

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025661.D
 Acq On : 27 Jul 2018 11:04
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:01 PM

Quant Time: Jul 27 12:49:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	254653	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	246692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	133366	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	4.89	113	110742	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	7.57	98	399439	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
62) 4-Bromofluorobenzene	10.31	95	153260	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	142925	81.64	ug/l	99
3) Chloromethane	1.33	50	125285	63.24	ug/l	100
4) Vinyl Chloride	1.40	62	117744	61.21	ug/l	99
5) Bromomethane	1.62	94	59109	42.06	ug/l	97
6) Chloroethane	1.69	64	67073	50.03	ug/l	97
7) Trichlorofluoromethane	1.88	101	172827	57.16	ug/l	100
8) Diethyl Ether	2.10	74	60199	53.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	99362	53.03	ug/l	97
10) Methyl Iodide	2.41	142	78431	42.88	ug/l	100
11) Tert butyl alcohol	2.83	59	143047	249.51	ug/l	100
12) 1,1-Dichloroethene	2.28	96	90838	52.98	ug/l	96
13) Acrolein	2.19	56	51697	136.31	ug/l	99
14) Allyl chloride	2.59	41	155798	50.10	ug/l	98
15) Acrylonitrile	2.94	53	301428	255.73	ug/l	99
16) Acetone	2.32	43	326222	229.88	ug/l	98
17) Carbon Disulfide	2.48	76	292616	55.09	ug/l	99
18) Methyl Acetate	2.62	43	168056	62.46	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	338261	51.86	ug/l	100
20) Methylene Chloride	2.70	84	111417	47.79	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	105402	53.79	ug/l	98
22) Diisopropyl ether	3.58	45	331532	52.21	ug/l	93
23) Vinyl Acetate	3.53	43	1448297	259.97	ug/l	99
24) 1,1-Dichloroethane	3.45	63	197114	55.04	ug/l	99
25) 2-Butanone	4.27	43	451457	247.84	ug/l	99
26) 2,2-Dichloropropane	4.23	77	176761	51.33	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	119712	52.80	ug/l	98
28) Bromochloromethane	4.55	49	91119	52.69	ug/l	100
29) Tetrahydrofuran	4.64	42	271434	248.43	ug/l	100
30) Chloroform	4.68	83	205478	54.17	ug/l	99
31) Cyclohexane	5.00	56	173494	43.60	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	188658	54.88	ug/l	99
36) 1,1-Dichloropropene	5.14	75	152777	53.96	ug/l	99
37) Ethyl Acetate	4.38	43	161215	51.06	ug/l	99
38) Carbon Tetrachloride	5.14	117	171232	56.19	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	175358	49.66	ug/l	99
40) Benzene	5.39	78	433151	53.09	ug/l	98
41) Methacrylonitrile	4.54	41	89033	50.86	ug/l	98
42) 1,2-Dichloroethane	5.41	62	165719	51.10	ug/l	100
43) Isopropyl Acetate	5.55	43	259763	51.38	ug/l	99
44) Trichloroethene	6.19	130	120598	51.48	ug/l	97
45) 1,2-Dichloropropane	6.44	63	116357	54.45	ug/l	98
46) Dibromomethane	6.56	93	81280	52.27	ug/l	98
47) Bromodichloromethane	6.76	83	159565	55.24	ug/l	99
48) Methyl methacrylate	6.63	41	131078	52.00	ug/l	97
49) 1,4-Dioxane	6.62	88	61871	1020.13	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	829045	252.28	ug/l	100
52) Toluene	7.64	92	277175	53.40	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	181370	57.14	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	187399	55.48	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	113554	52.53	ug/l	97
56) Ethyl methacrylate	8.02	69	166946	49.45	ug/l	98
57) 1,3-Dichloropropane	8.25	76	189009	52.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	353312	296.54	ug/l	100
59) 2-Hexanone	8.36	43	654877	245.68	ug/l	98
60) Dibromochloromethane	8.48	129	133084	57.01	ug/l	99
61) 1,2-Dibromoethane	8.59	107	127311	55.04	ug/l	100
64) Tetrachloroethene	8.23	164	110228	49.02	ug/l	99
65) Chlorobenzene	9.12	112	317671	51.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	120123	54.49	ug/l	99
67) Ethyl Benzene	9.25	91	538070	51.21	ug/l	100
68) m/p-Xylenes	9.38	106	427779	105.32	ug/l	98
69) o-Xylene	9.78	106	205723	50.59	ug/l	100
70) Styrene	9.80	104	342062	52.95	ug/l	99
71) Bromoform	9.96	173	104084	54.59	ug/l #	99
73) Isopropylbenzene	10.17	105	556472	45.70	ug/l	100
74) N-amyl acetate	10.01	43	230852	43.67	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	187327	47.02	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	175508m	48.36	ug/l	
77) Bromobenzene	10.45	156	148230	47.58	ug/l	98
78) n-propylbenzene	10.59	91	654757	48.46	ug/l	100
79) 2-Chlorotoluene	10.66	91	380508	45.00	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	484156	47.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	62158m	48.95	ug/l	
82) 4-Chlorotoluene	10.78	91	455732	47.63	ug/l	100
83) tert-Butylbenzene	11.10	119	465480	44.96	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	494379	47.08	ug/l	98
85) sec-Butylbenzene	11.33	105	582442	47.77	ug/l	99
86) p-Isopropyltoluene	11.48	119	526987	48.82	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	278879	48.98	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	283433	48.47	ug/l	99
89) n-Butylbenzene	11.89	91	481010	54.20	ug/l	99
90) Hexachloroethane	12.15	117	89228	48.82	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	276007	48.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45553	47.14	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	194162	51.54	ug/l	97
94) Hexachlorobutadiene	13.70	225	95575	46.48	ug/l	99
95) Naphthalene	13.74	128	584632	45.11	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	196902	48.47	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

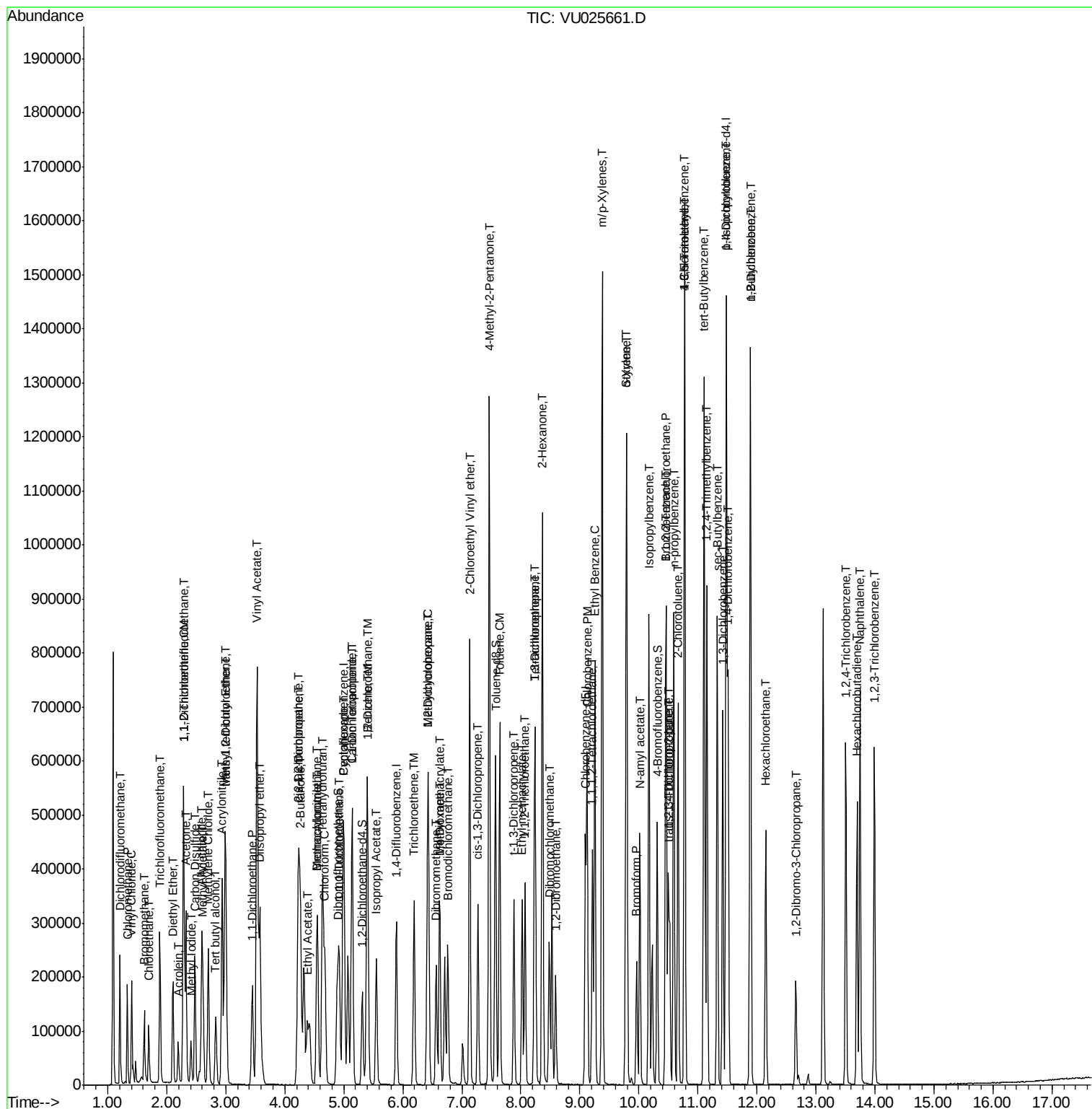
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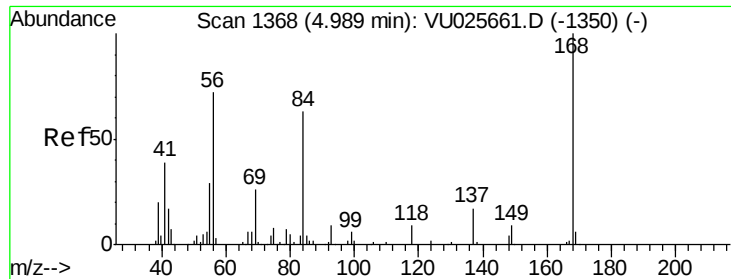
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 169154

Ion Ratio Lower Upper

168 100

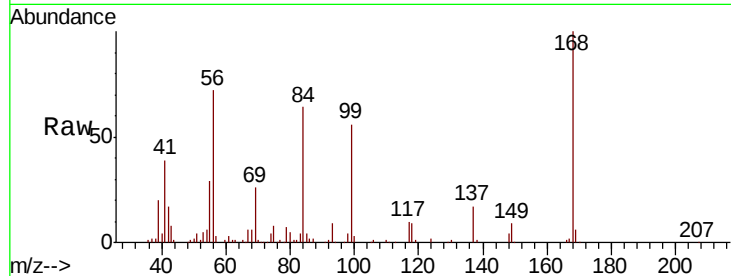
99 56.1 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

80000

60000

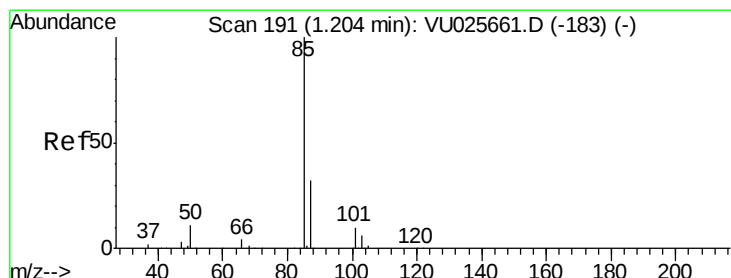
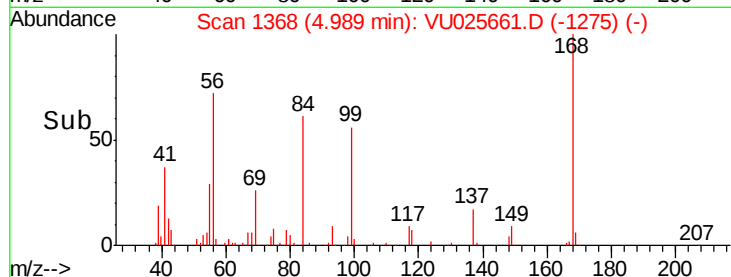
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 81.64 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025661.D

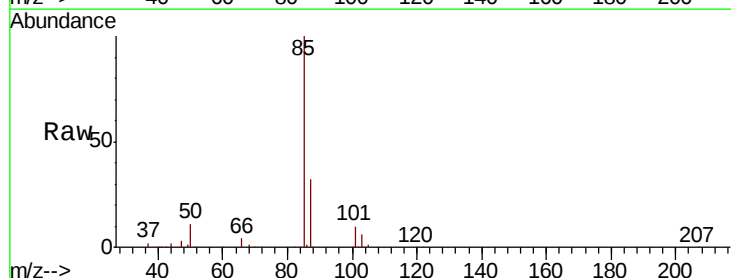
Acq: 27 Jul 2018 11:04

Tgt Ion: 85 Resp: 142925

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

150000

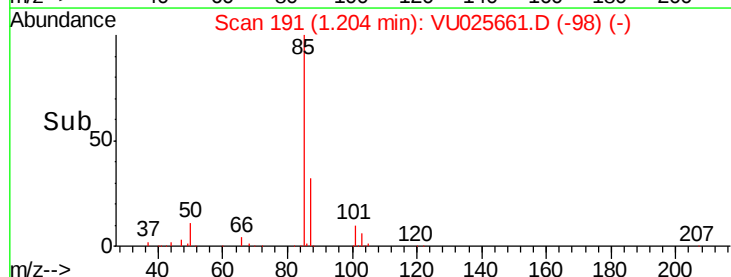
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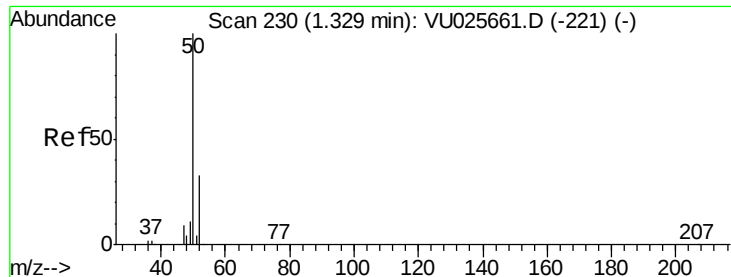
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 63.24 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 125285

Ion Ratio Lower Upper

50 100

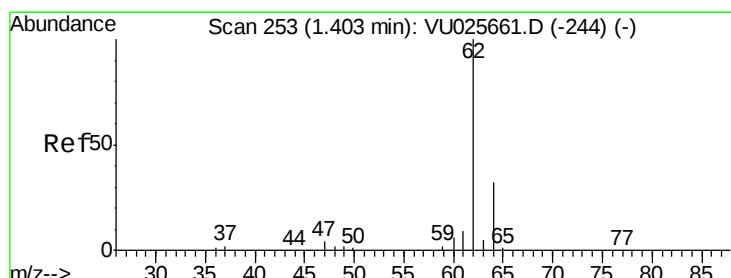
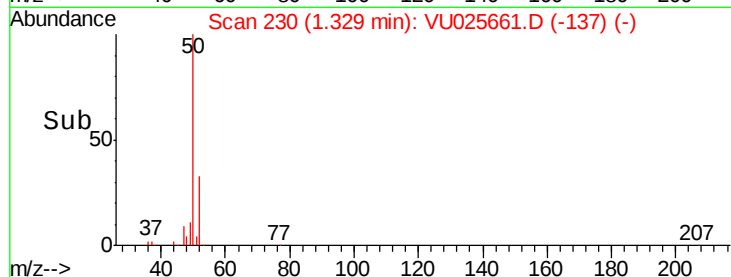
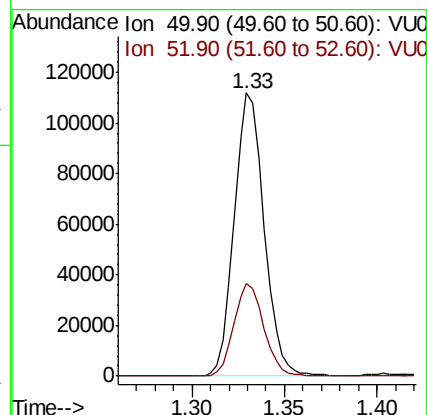
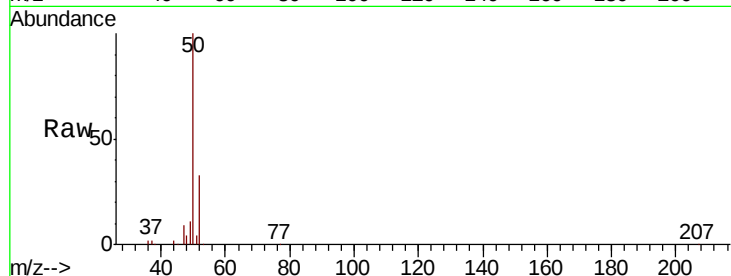
52 32.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 61.21 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025661.D

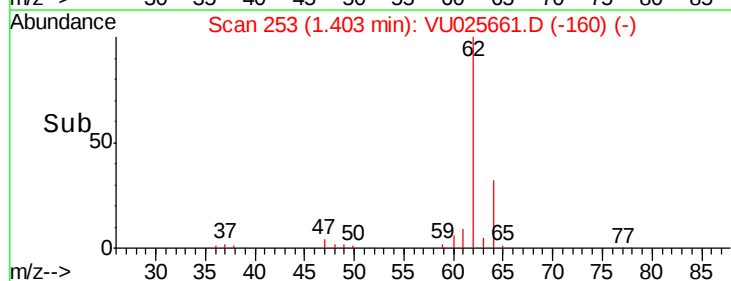
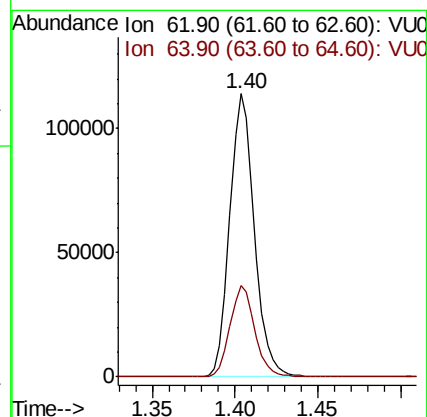
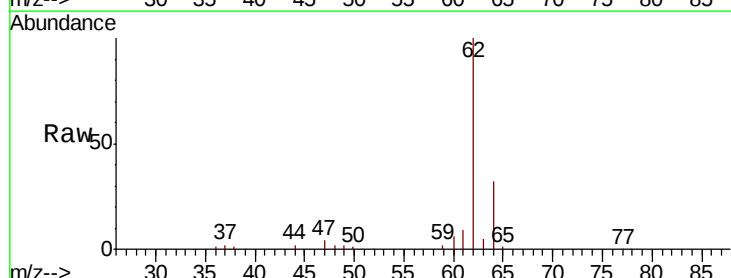
Acq: 27 Jul 2018 11:04

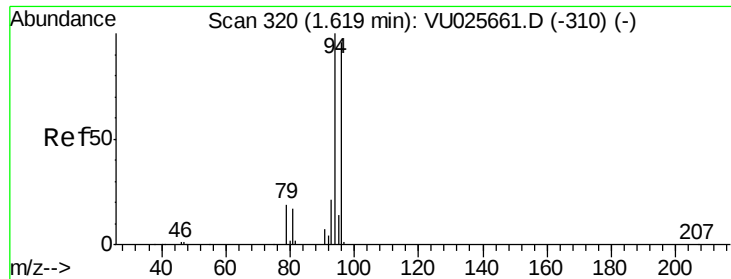
Tgt Ion: 62 Resp: 117744

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 42.06 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

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Tot Ion: 94 Resp: 59109

Ion Ratio Lower Upper

94 100

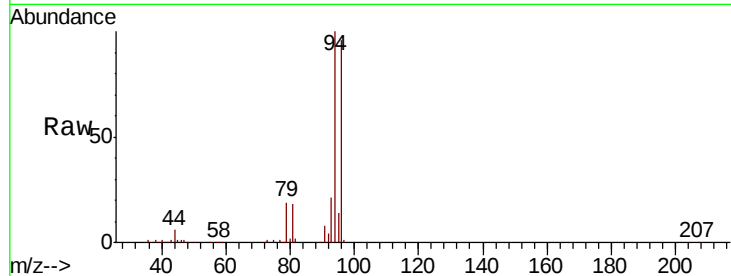
96 96.4 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

50000

40000

30000

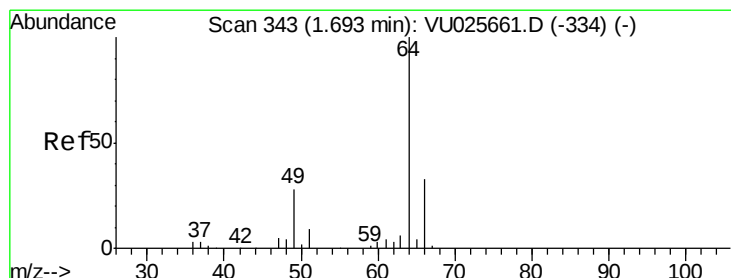
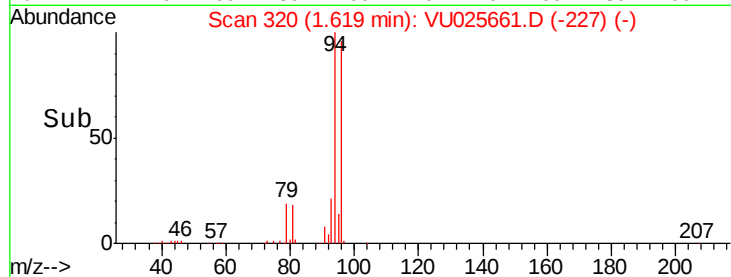
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10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 50.03 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025661.D

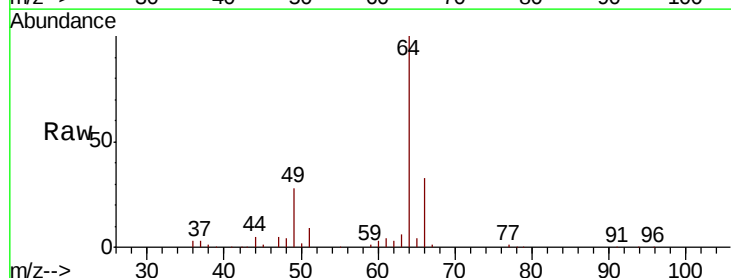
Acq: 27 Jul 2018 11:04

Tgt Ion: 64 Resp: 67073

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

60000

50000

40000

30000

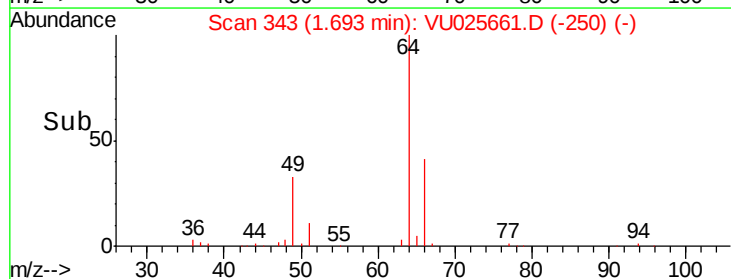
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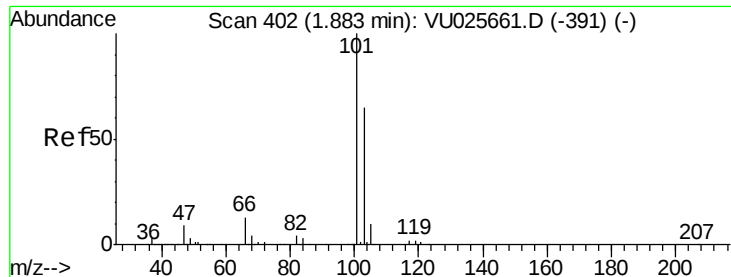
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1.65 1.70 1.75 1.80

Time-->





#7

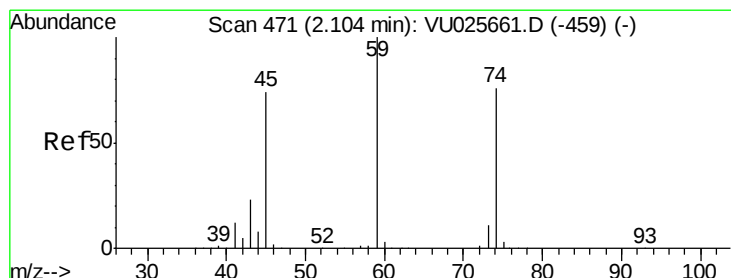
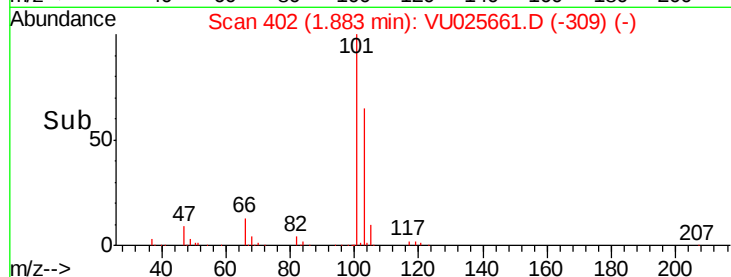
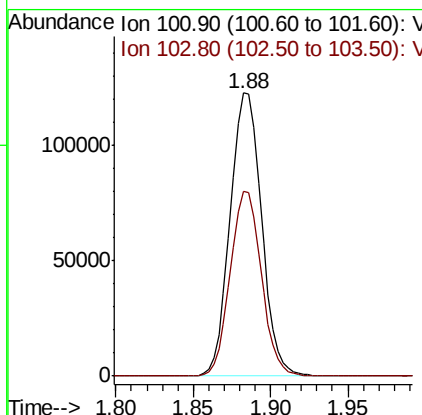
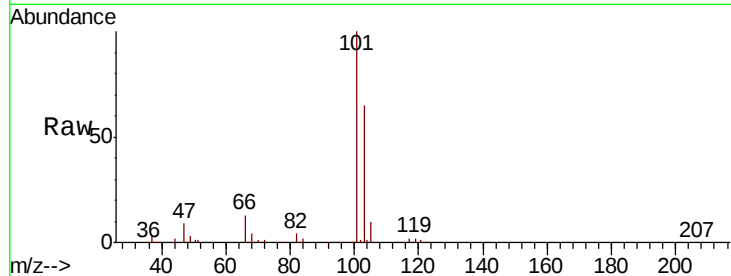
Trichlorofluoromethane
 Concen: 57.16 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

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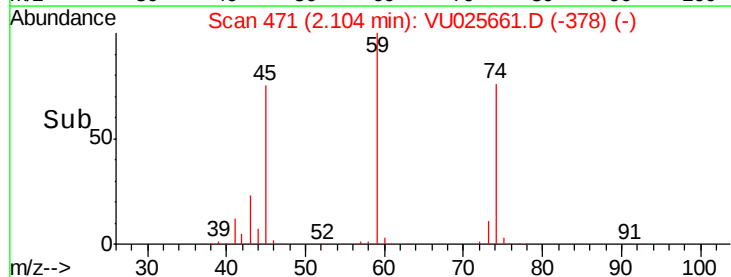
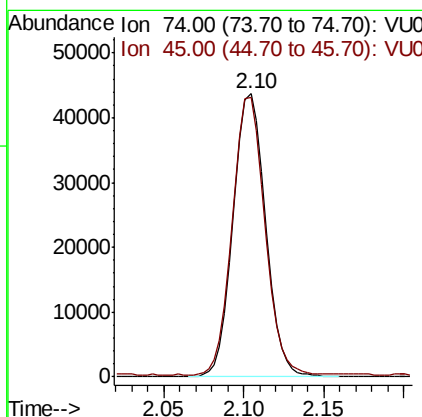
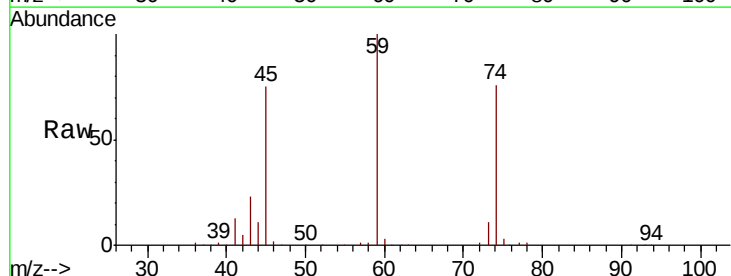
MMDadoda
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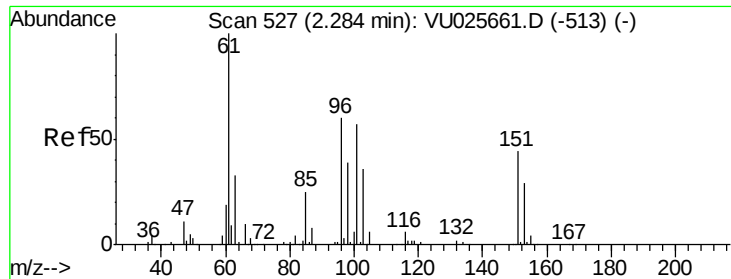


#8

Diethyl Ether
 Concen: 53.06 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.03 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

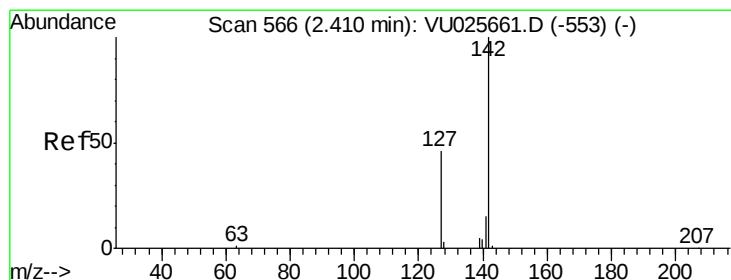
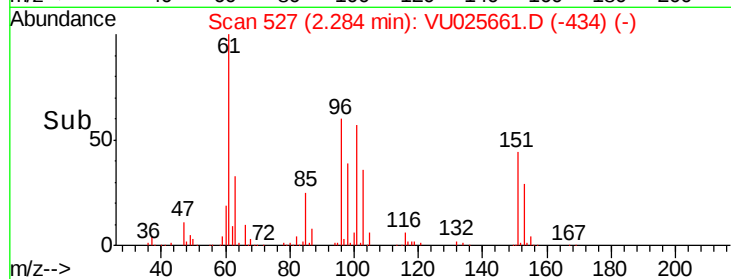
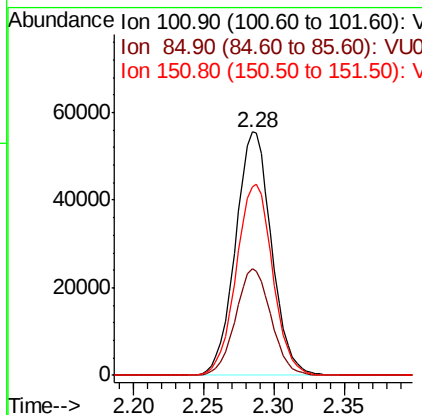
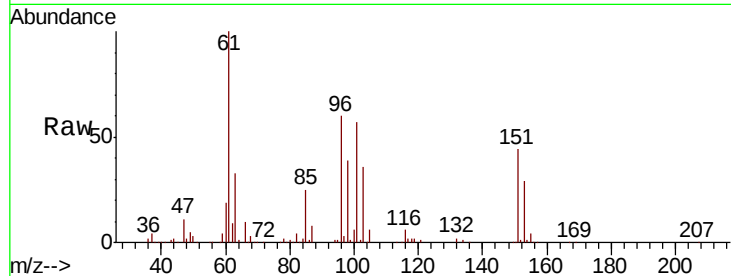
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	99362
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.0	54.0
151	79.5	65.6	98.4

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#10

Methyl Iodide

Concen: 42.88 ug/l

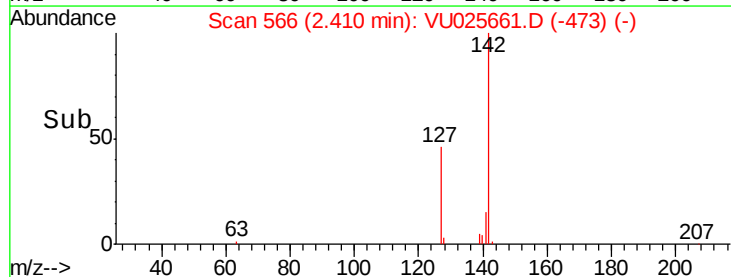
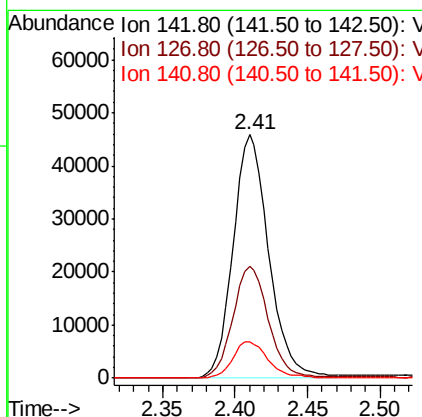
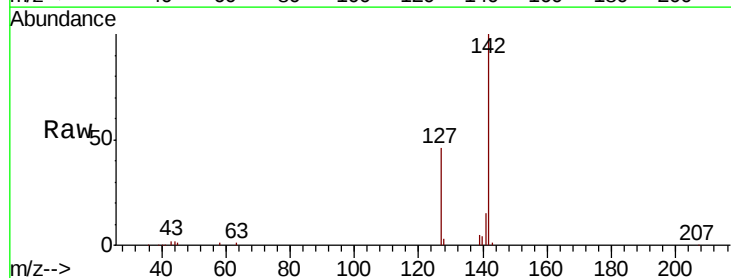
RT: 2.41 min Scan# 566

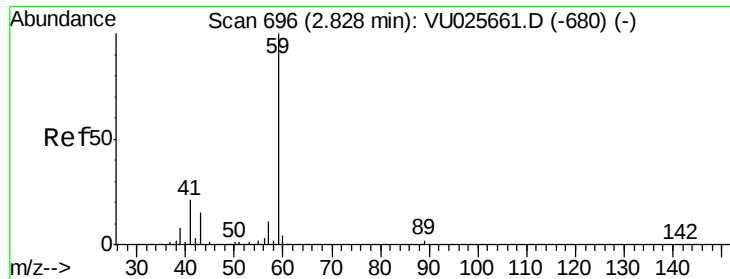
Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion:	142	Resp:	78431
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.5	54.7
141	14.9	11.4	17.2





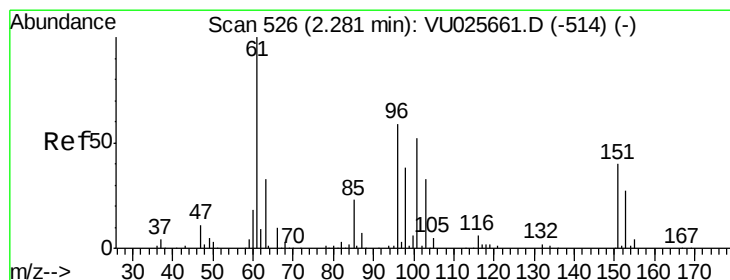
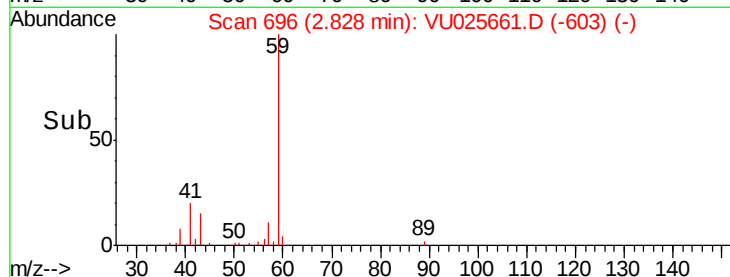
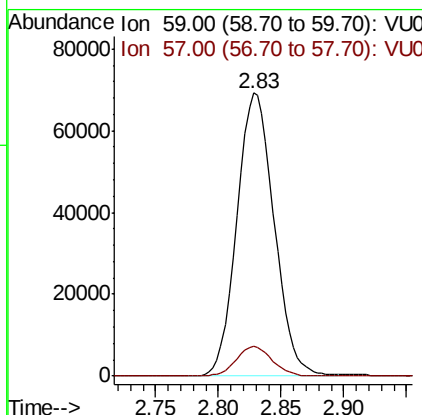
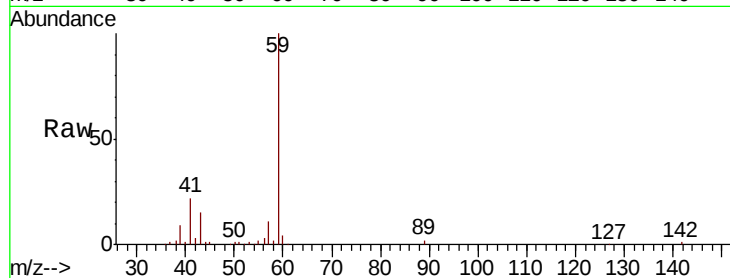
#11
Tert butyl alcohol
Concen: 249.51 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	59.00	Resp	143047
Ion Ratio	59	100	
Lower	57	10.2	8.2
Upper			12.2

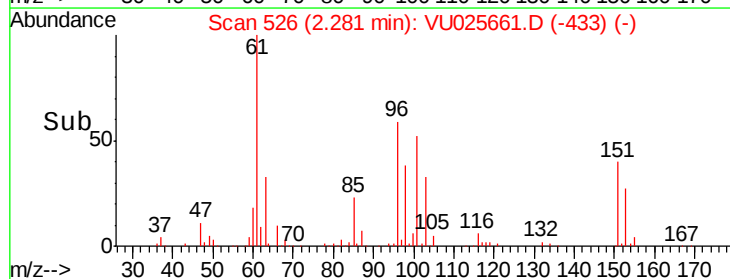
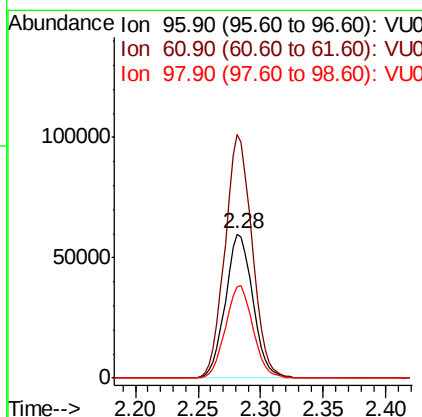
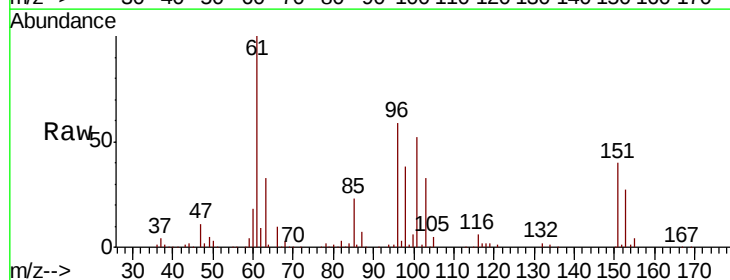
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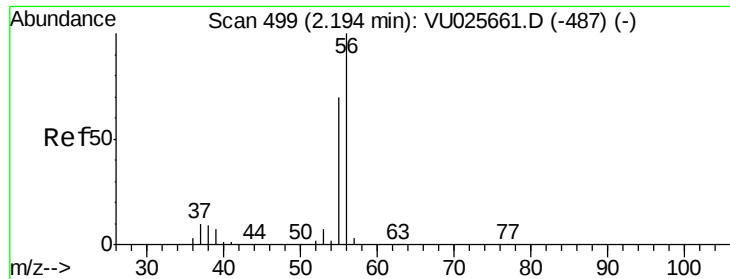
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.98 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	96	Resp	90838
Ion Ratio	96	100	
Lower	61	169.3	140.2
Upper	98	63.5	49.3





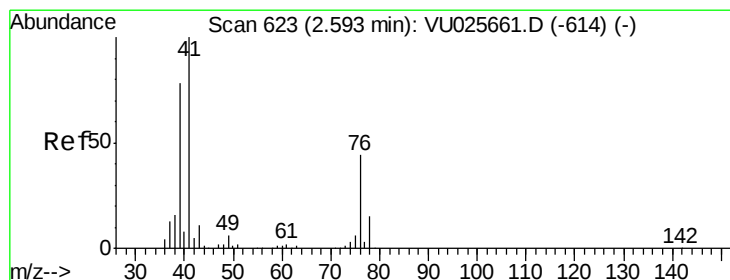
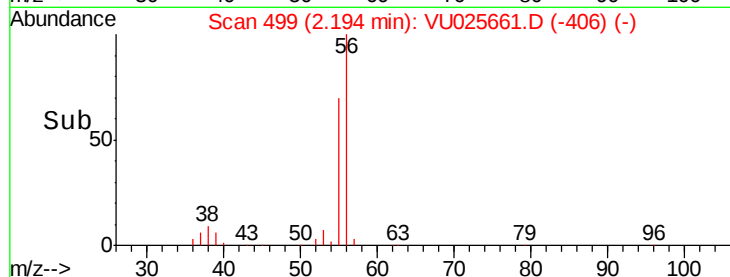
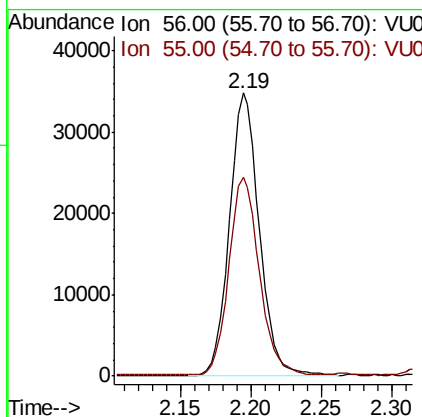
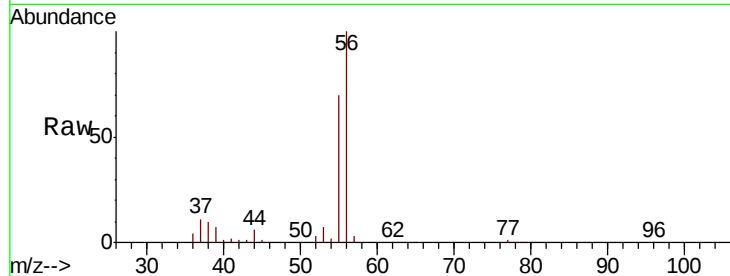
#13
Acrolein
Concen: 136.31 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	51697
Ion Ratio	100	Lower	Upper
55	70.9	57.2	85.8

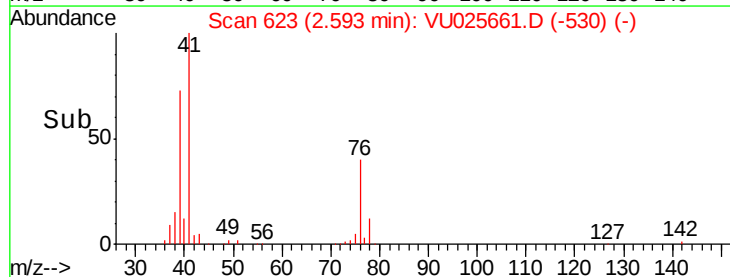
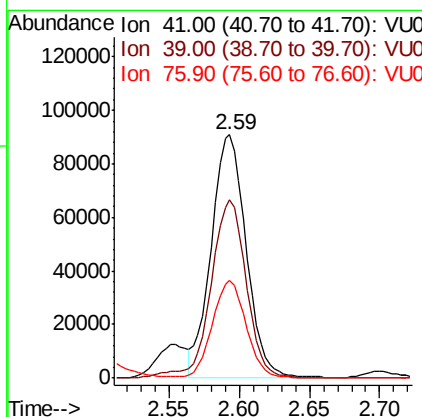
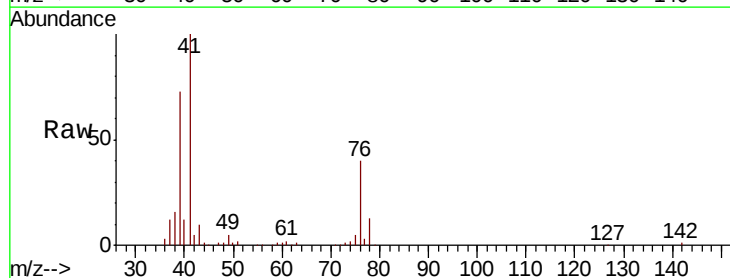
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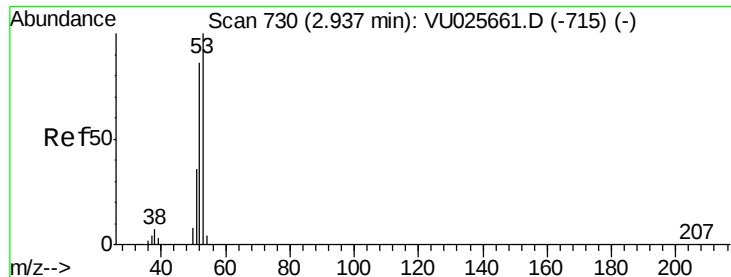
MMDadoda
7/31/2018 3:48:01 PM



#14
Allyl chloride
Concen: 50.10 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	41	Resp	155798
Ion Ratio	100	Lower	Upper
39	74.5	60.6	91.0
76	39.0	30.5	45.7





#15

Acrylonitrile

Concen: 255.73 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

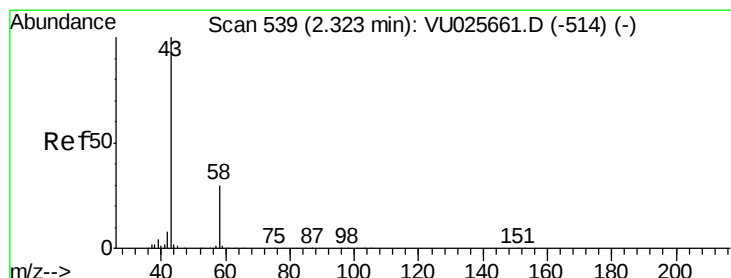
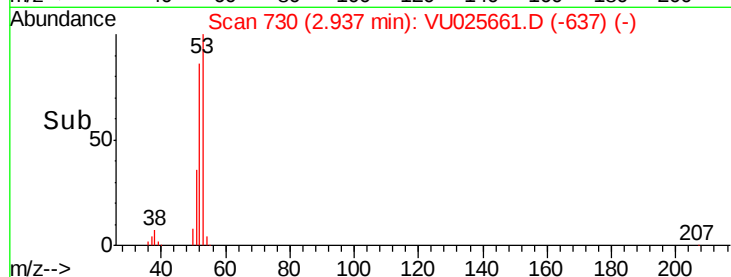
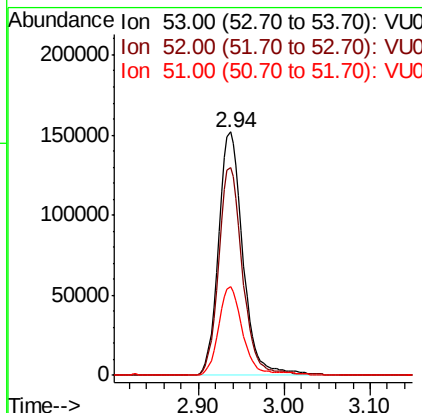
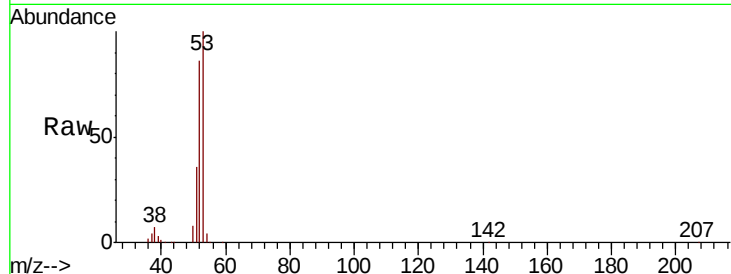
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	301428
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.6	99.8
51	35.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 229.88 ug/l

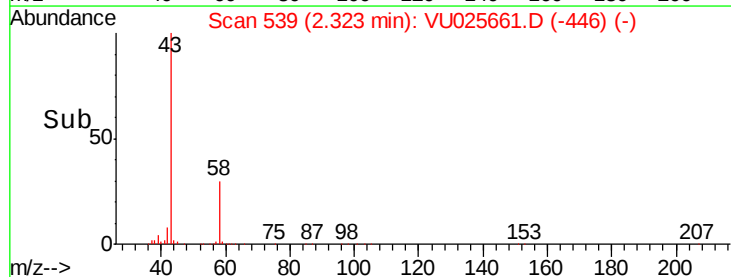
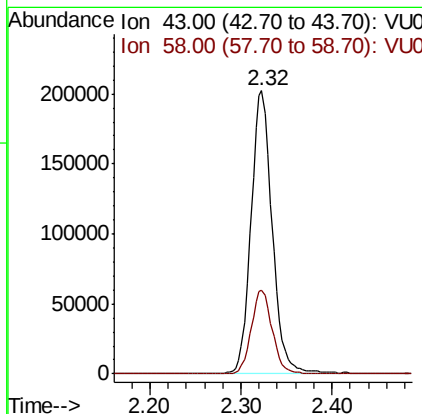
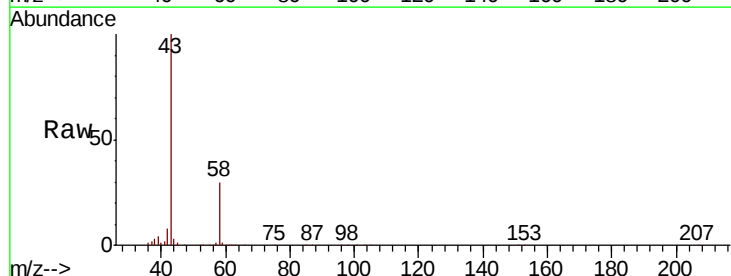
RT: 2.32 min Scan# 539

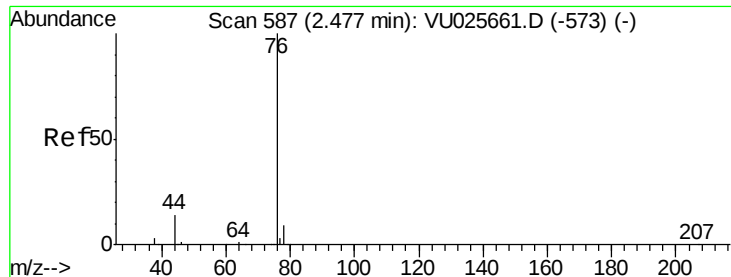
Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion:	43	Resp:	326222
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.1	34.7





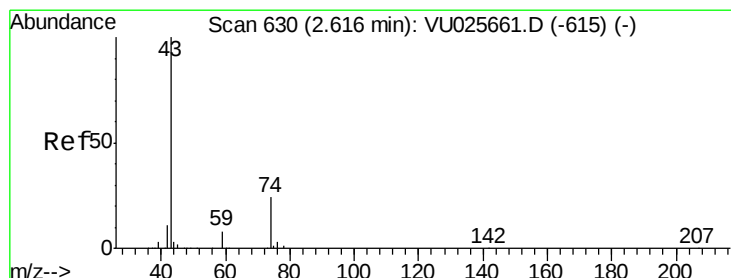
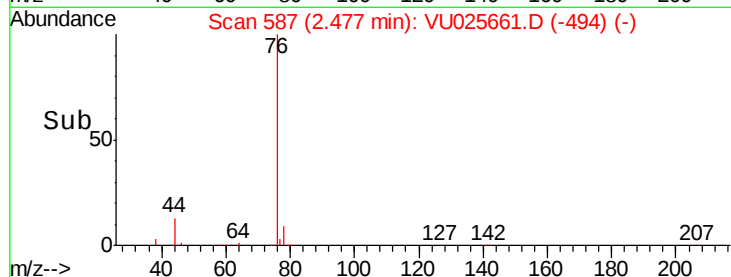
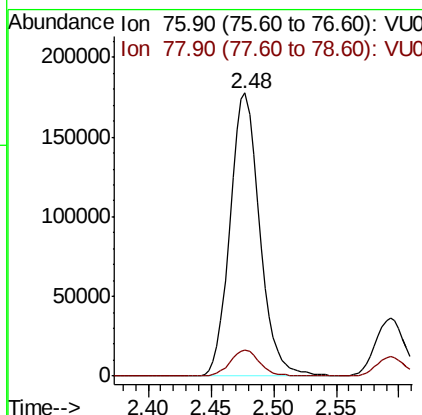
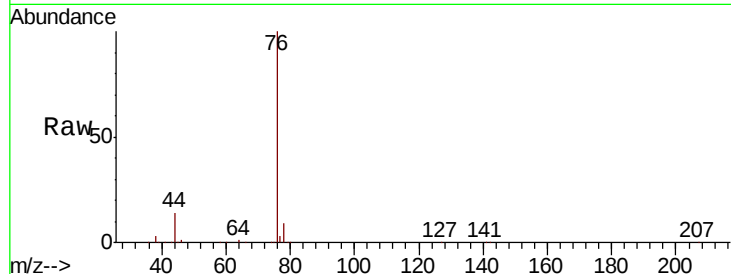
#17
Carbon Disulfide
Concen: 55.09 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

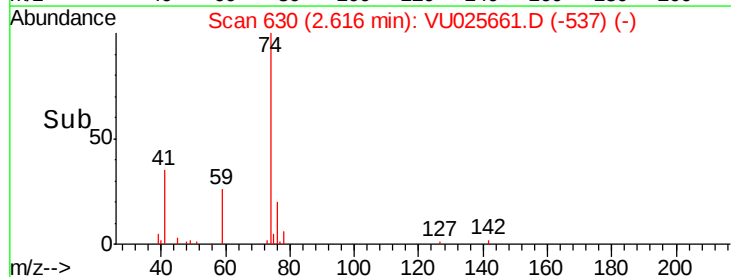
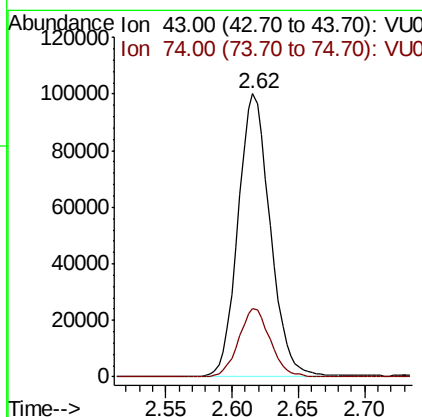
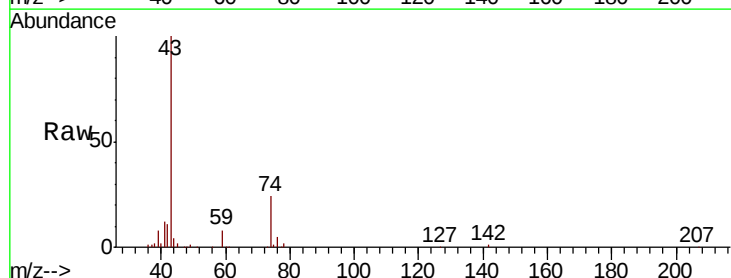
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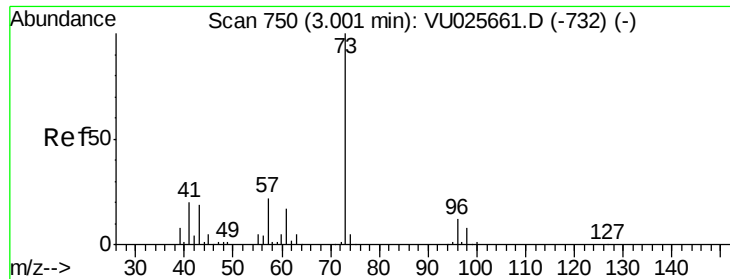
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#18
Methyl Acetate
Concen: 62.46 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.5	27.7





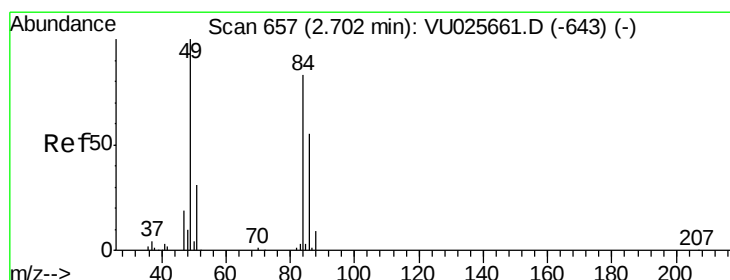
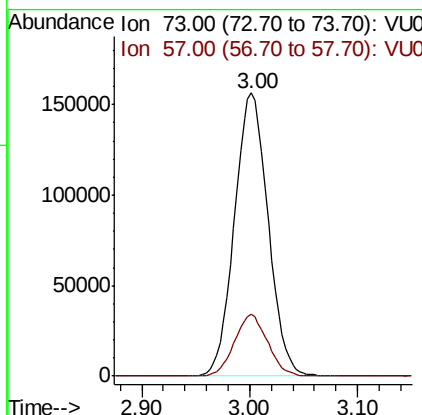
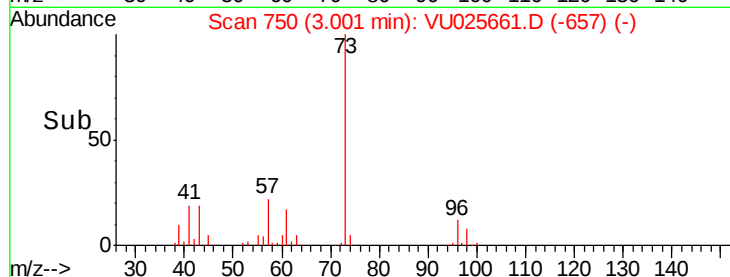
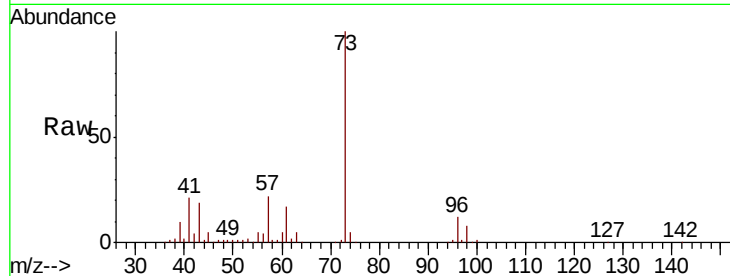
#19
Methvl tert-butvl Ether
Concen: 51.86 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

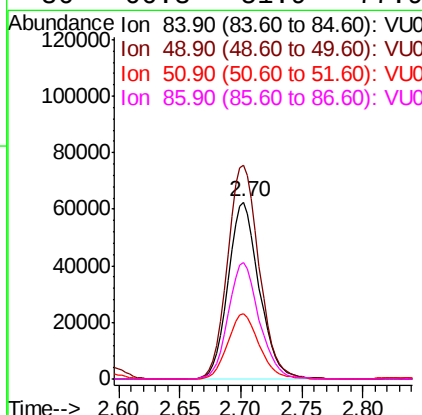
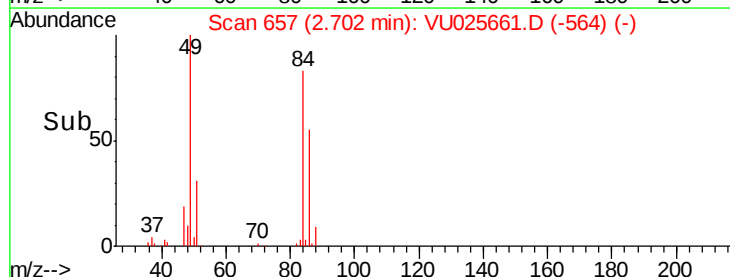
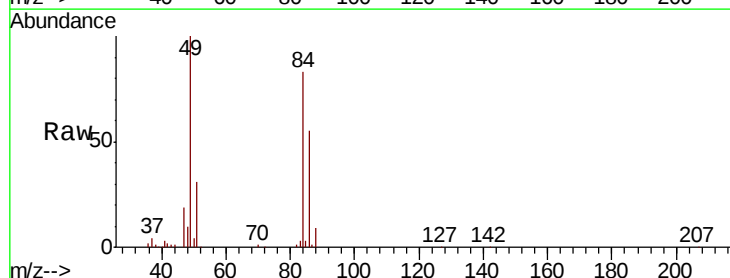
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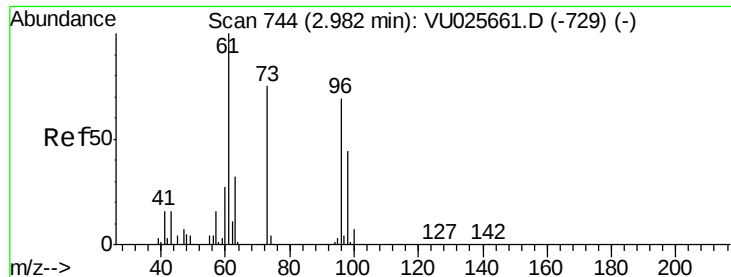
MMDadoda
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#20
Methylene Chloride
Concen: 47.79 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	101.8	152.6
51	37.0	30.8	46.2
86	66.3	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 53.79 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

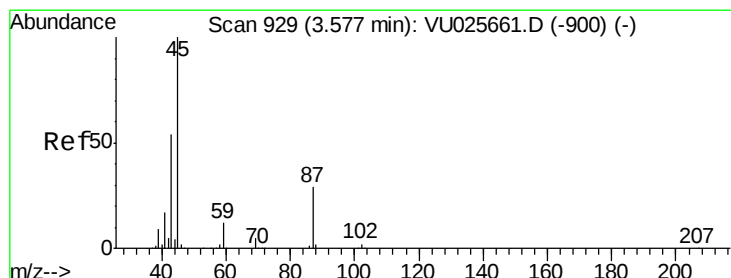
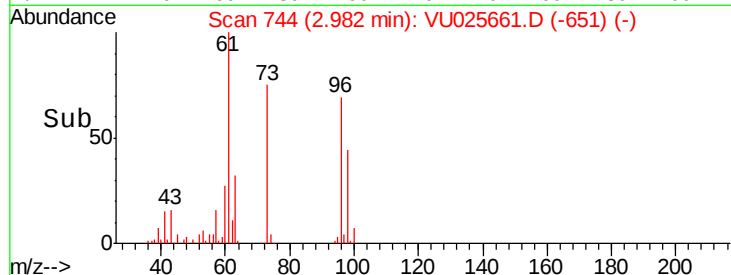
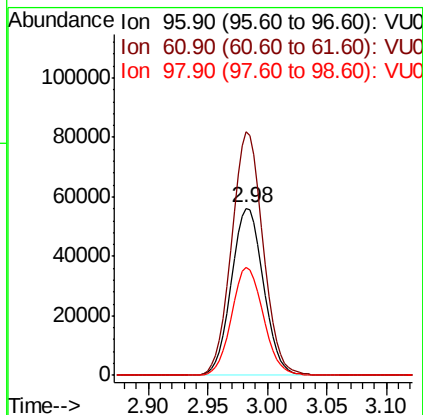
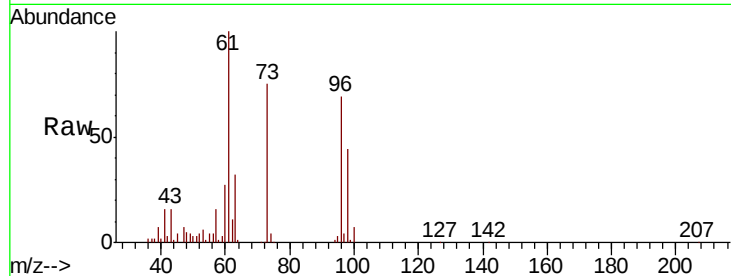
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	105402
Ion	Ratio	Lower	Upper
96	100		
61	145.6	114.5	171.7
98	64.7	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.21 ug/l

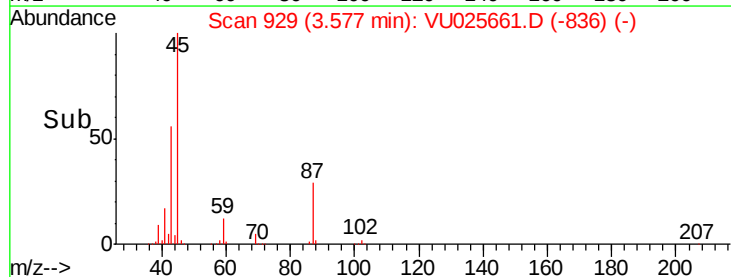
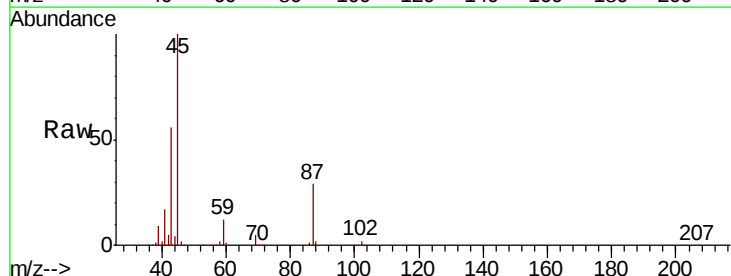
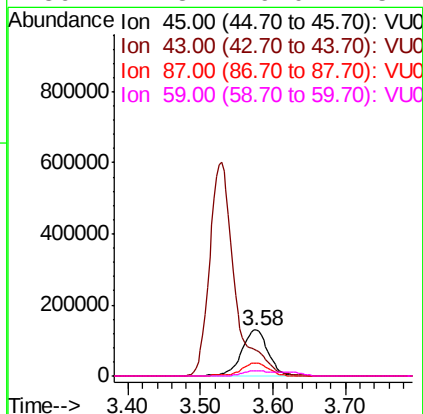
RT: 3.58 min Scan# 929

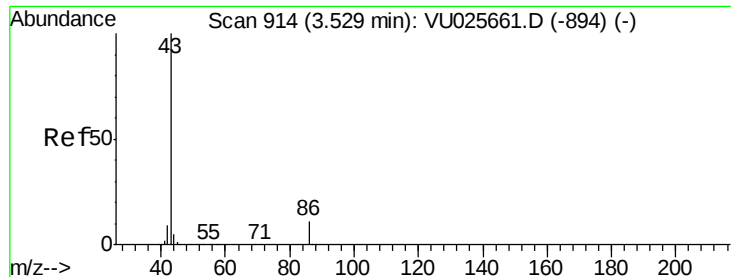
Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion:	45	Resp:	331532
Ion	Ratio	Lower	Upper
45	100		
43	55.2	50.9	76.3
87	29.0	23.8	35.8
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 259.97 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1448297

Ion Ratio Lower Upper

43 100

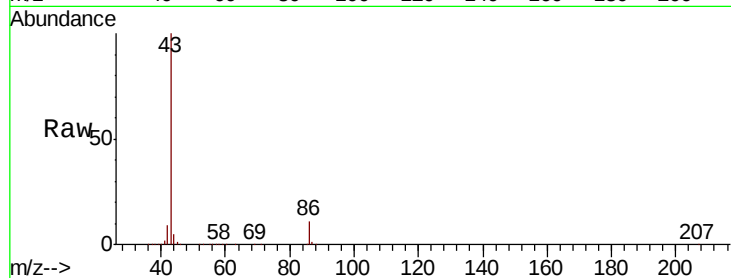
86 10.6 8.2 12.2

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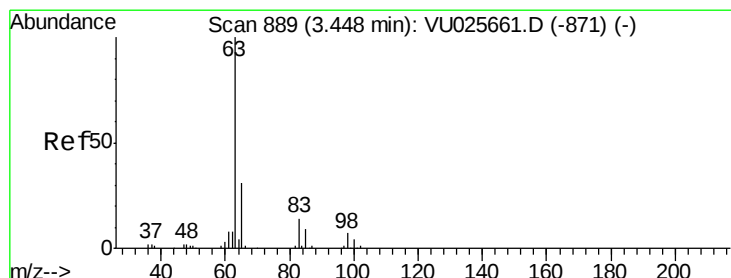
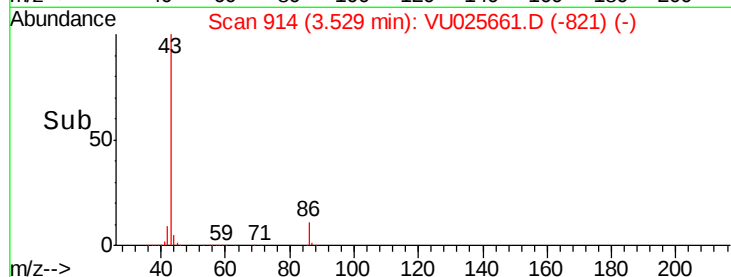
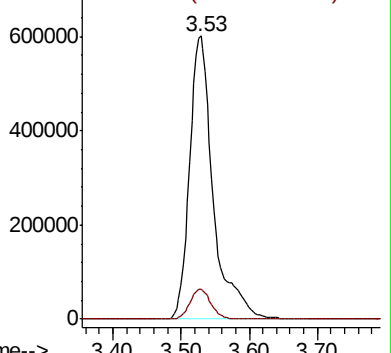
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 55.04 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

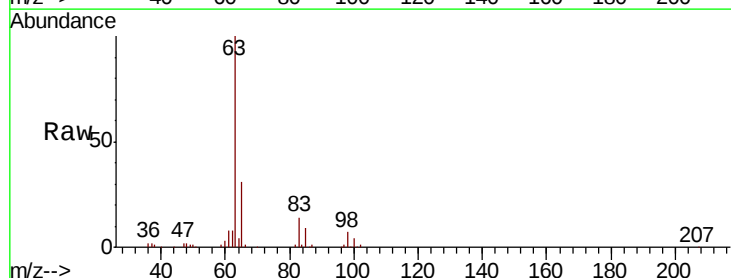
Tgt Ion: 63 Resp: 197114

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

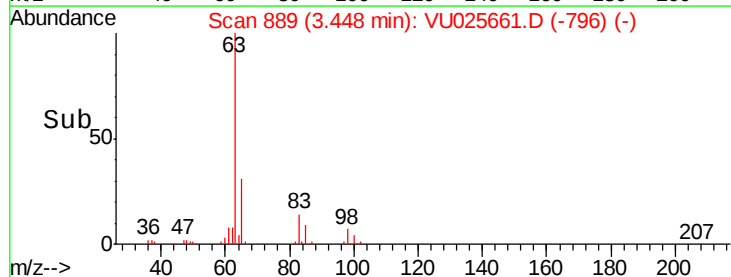
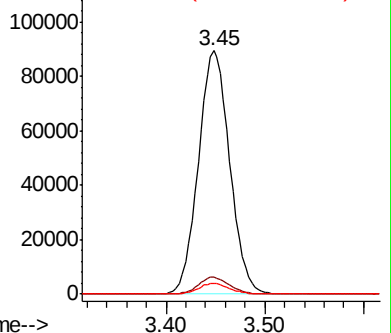
100 4.4 2.0 6.0

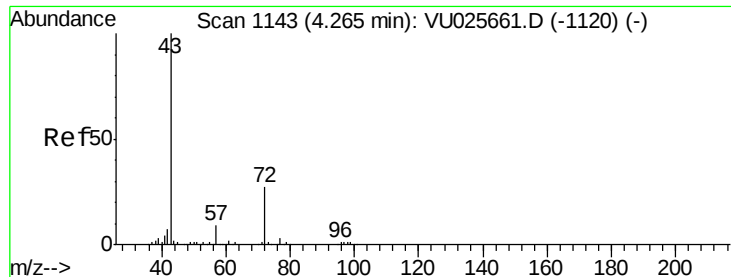


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 247.84 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 451457

Ion Ratio Lower Upper

43 100

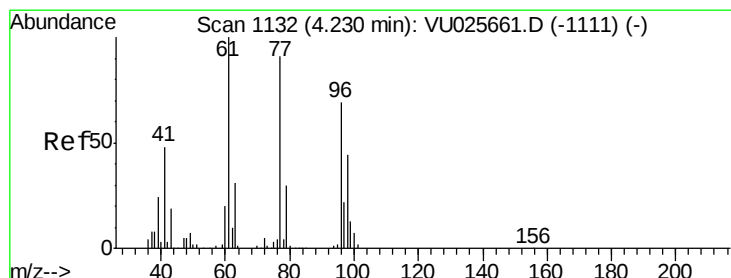
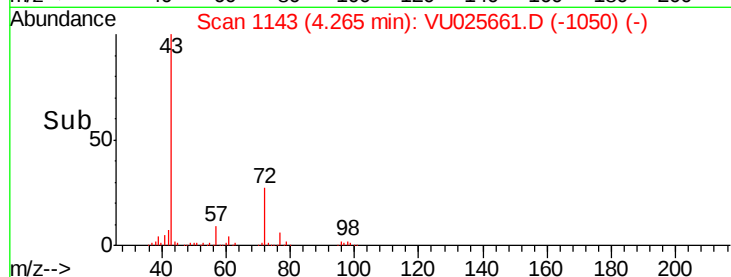
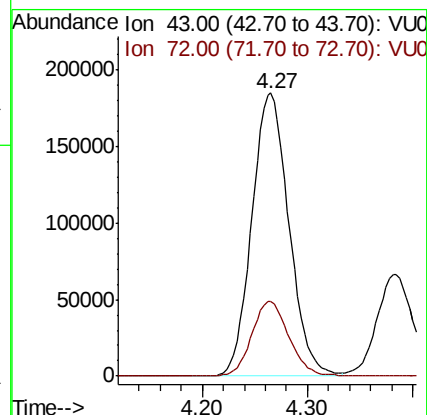
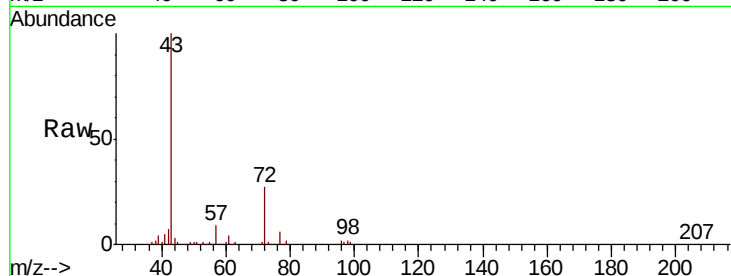
72 26.6 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.33 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025661.D

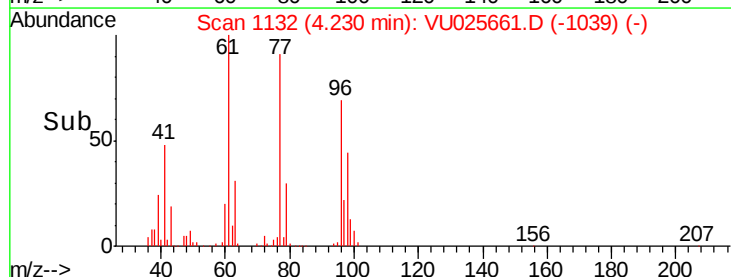
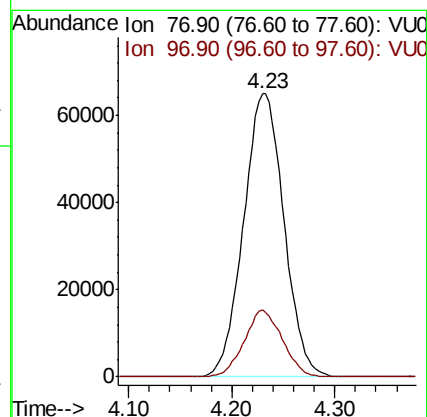
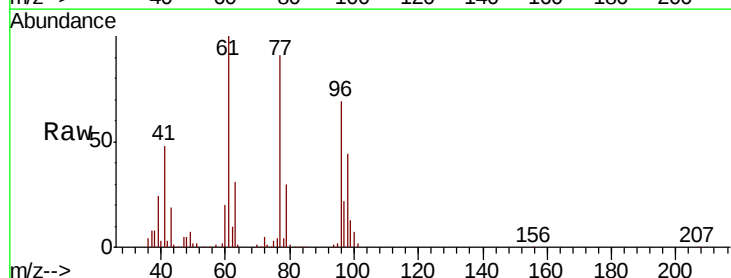
Acq: 27 Jul 2018 11:04

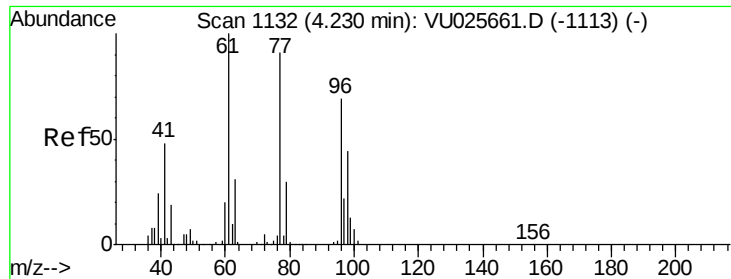
Tgt Ion: 77 Resp: 176761

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 52.80 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

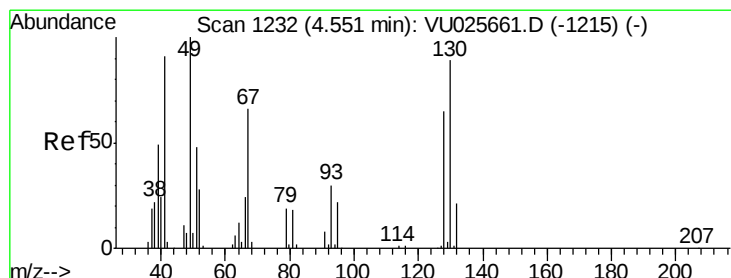
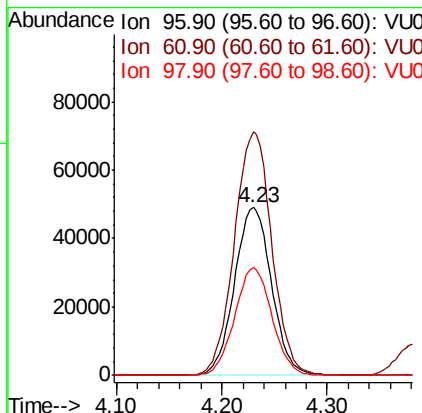
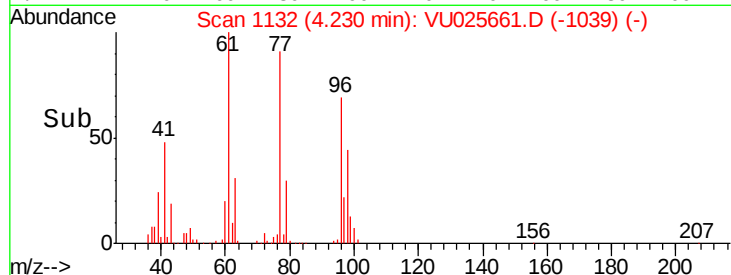
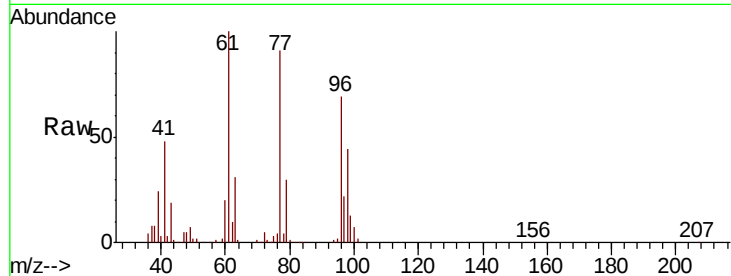
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	119712
Ion Ratio	Lower	Upper	
96	100		
61	147.0	0.0	299.8
98	64.8	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 52.69 ug/l

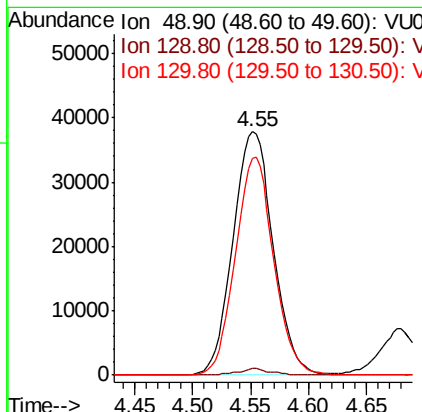
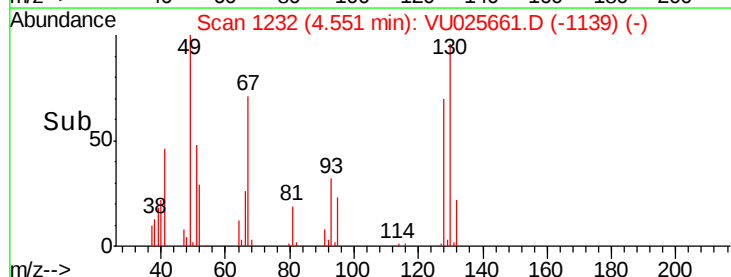
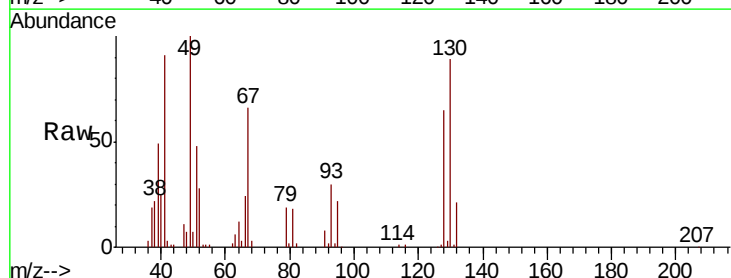
RT: 4.55 min Scan# 1232

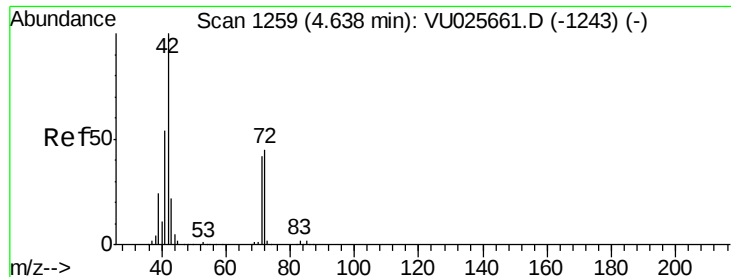
Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion:	49	Resp:	91119
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	85.3	68.6	102.8





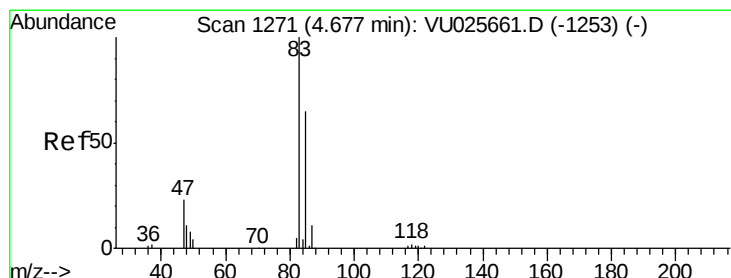
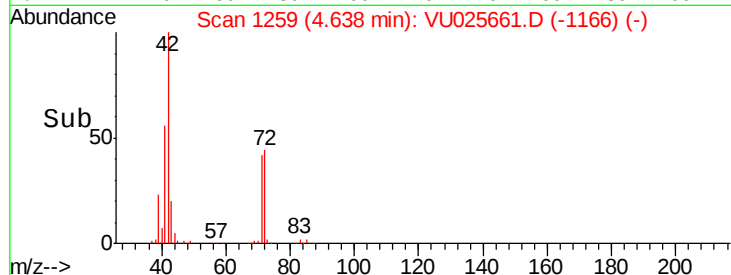
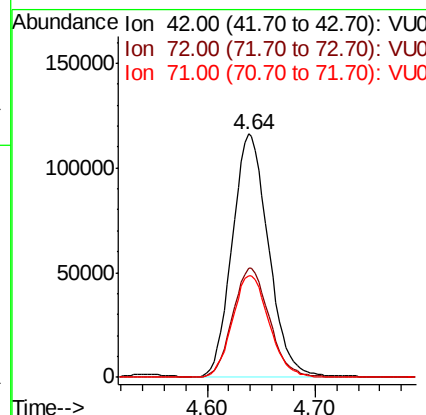
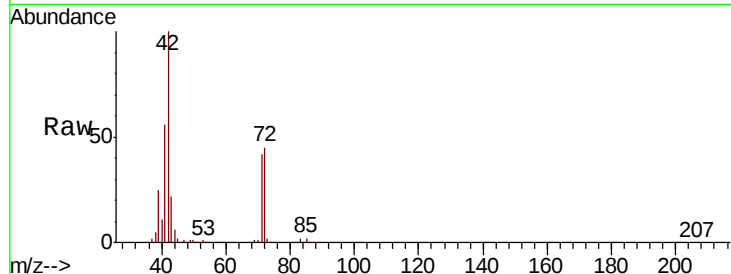
#29
Tetrahydrofuran
Concen: 248.43 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.7	55.1
71	42.5	33.9	50.9

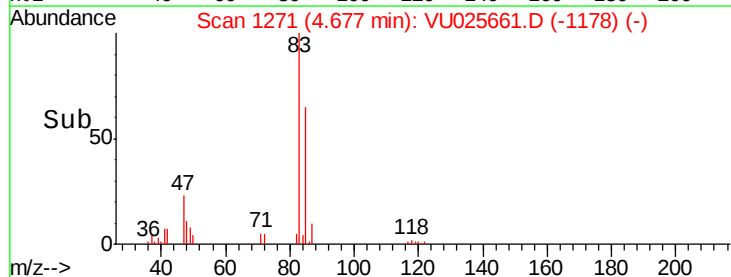
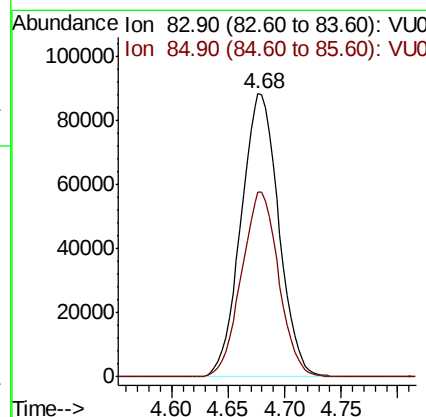
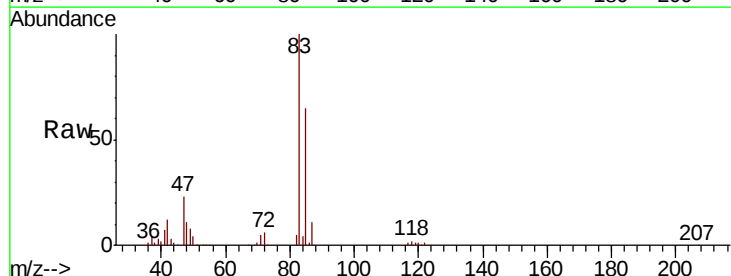
Manual Integrations
APPROVED

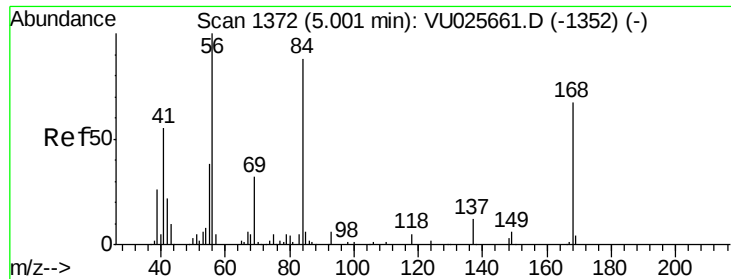
MMDadoda
7/31/2018 3:48:01 PM



#30
Chloroform
Concen: 54.17 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





#31

Cyclohexane

Concen: 43.60 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 173494

Ion Ratio Lower Upper

56 100

69 32.1 26.8 40.2

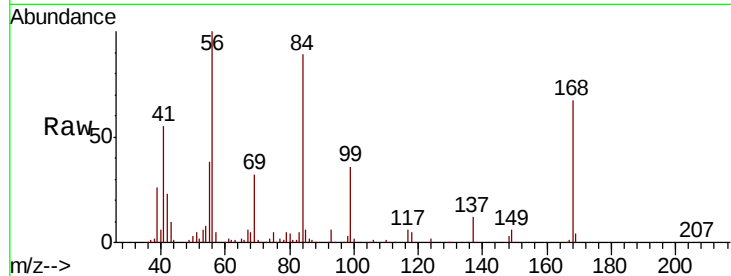
84 87.6 69.7 104.5

Manual Integrations

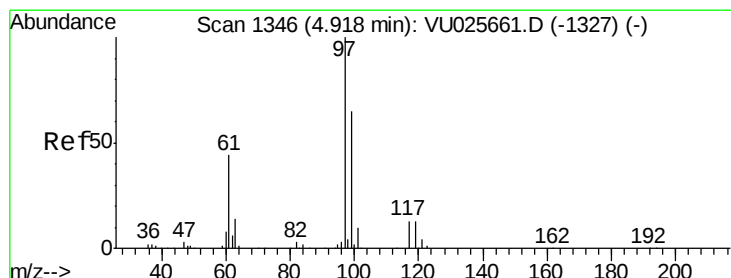
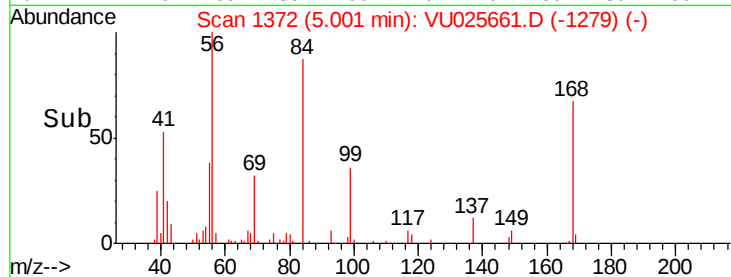
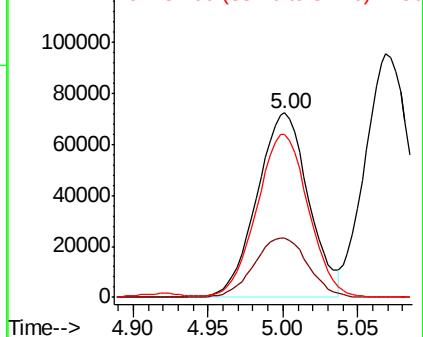
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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 54.88 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

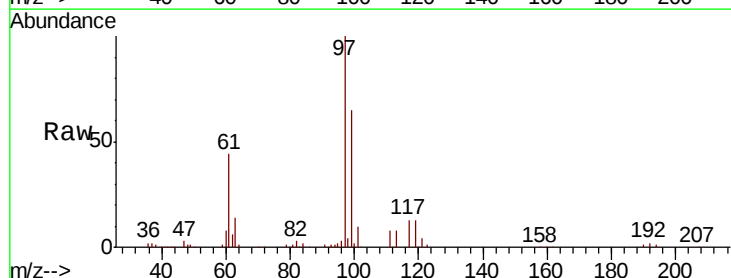
Tgt Ion: 97 Resp: 188658

Ion Ratio Lower Upper

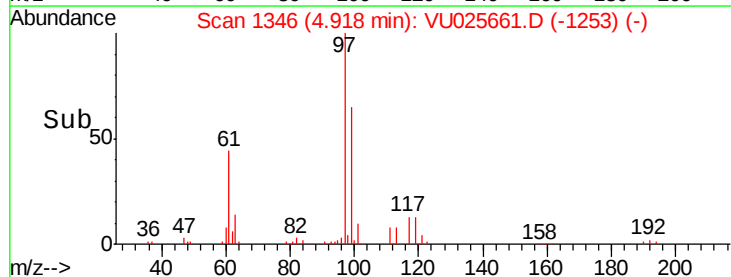
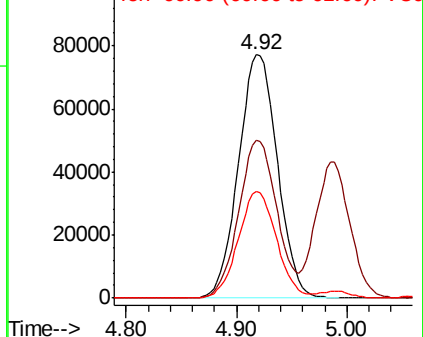
97 100

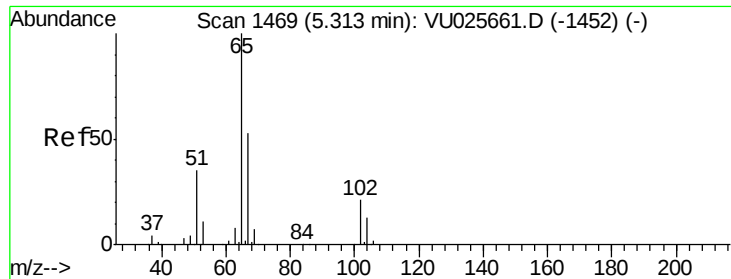
99 64.1 50.8 76.2

61 43.1 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





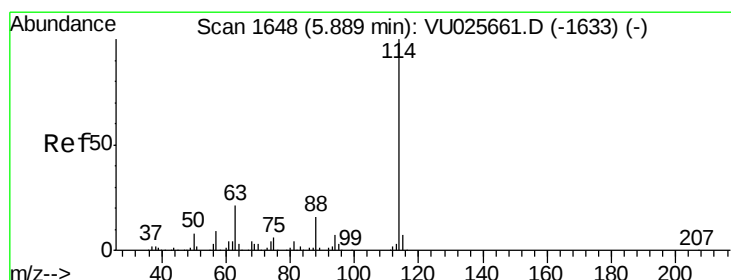
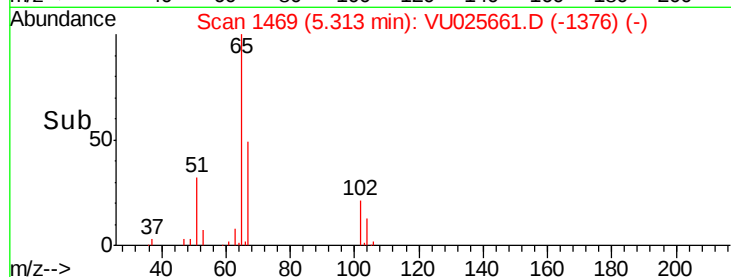
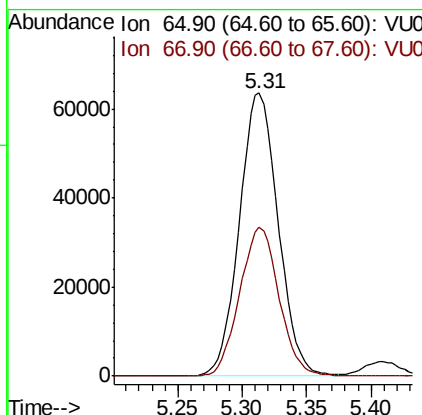
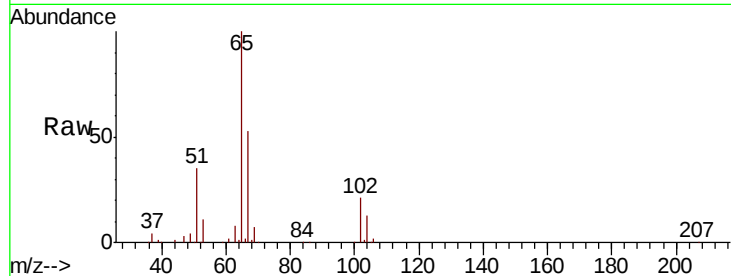
#33
 1,2-Dichloroethane-d4
 Concen: 50.75 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	103.6	

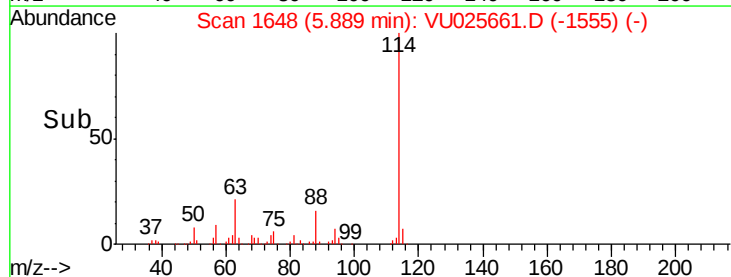
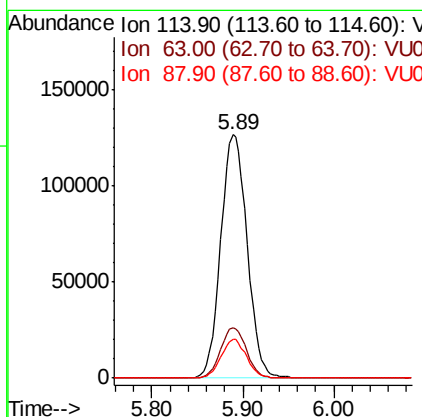
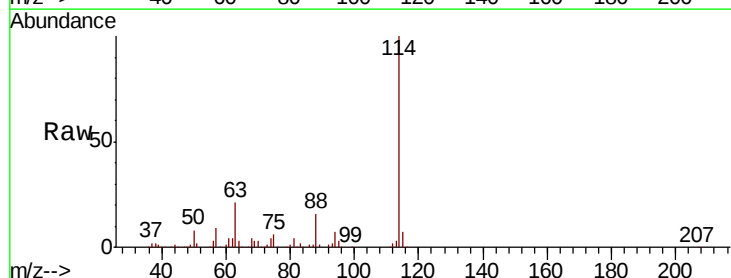
Manual Integrations
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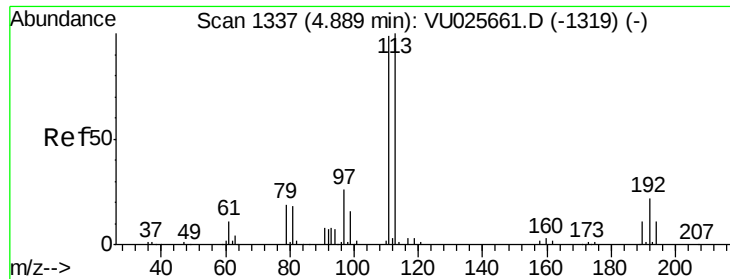
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	41.6	
88	16.0	0.0	32.4	





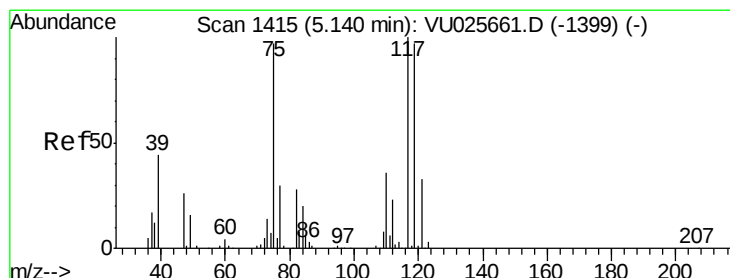
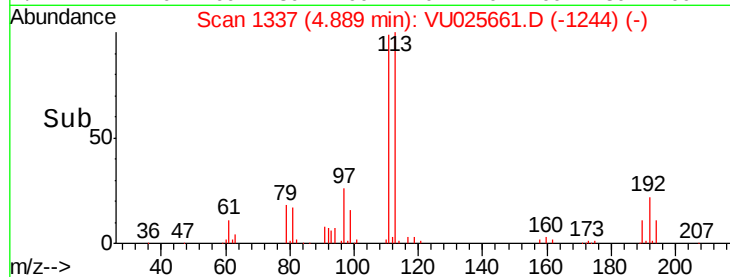
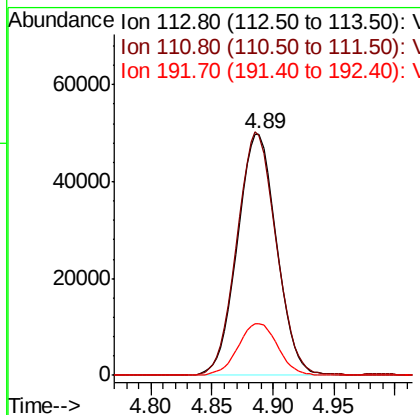
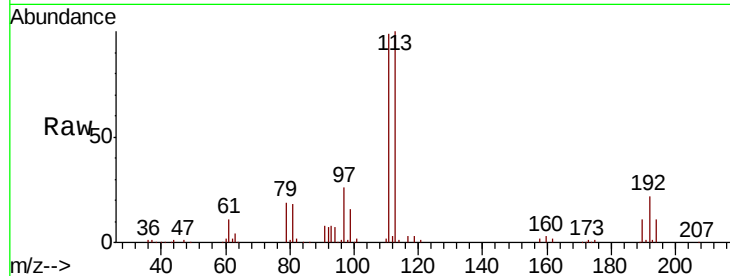
#35
 Dibromofluoromethane
 Concen: 51.55 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.7	122.5
192	21.6	17.1	25.7

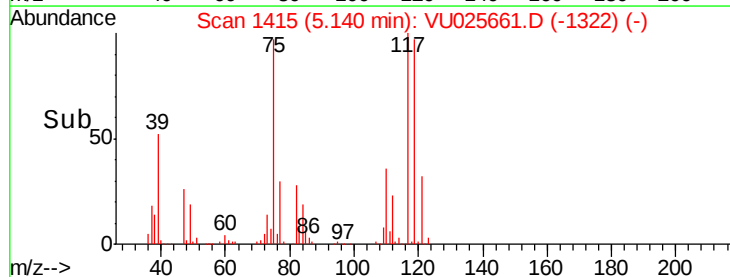
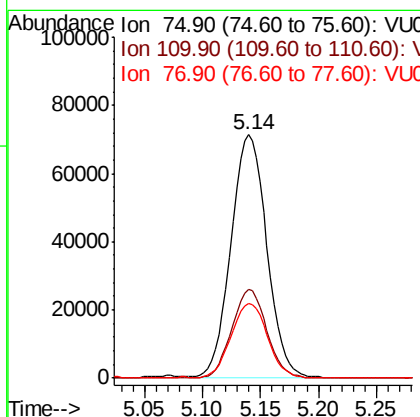
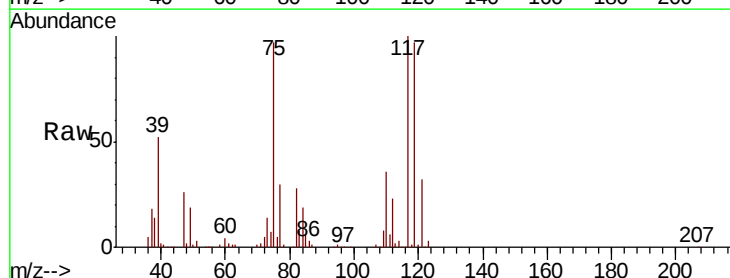
Manual Integrations
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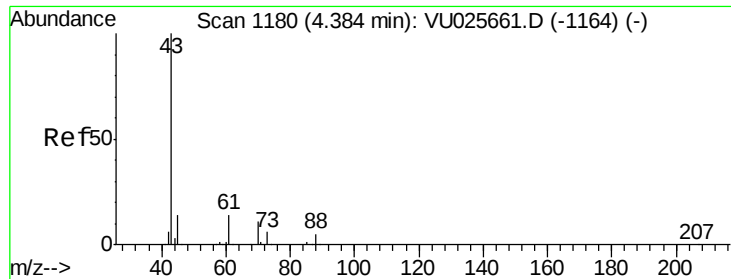
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 53.96 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.4	24.4	36.6





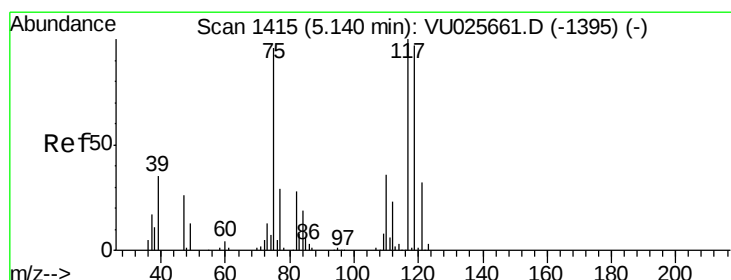
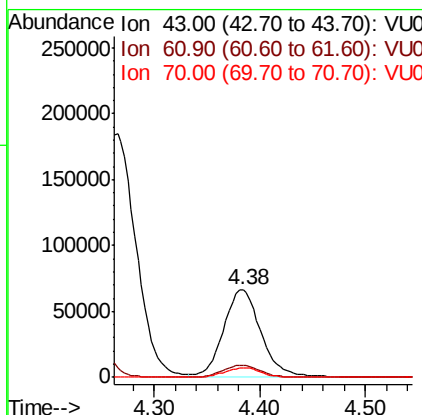
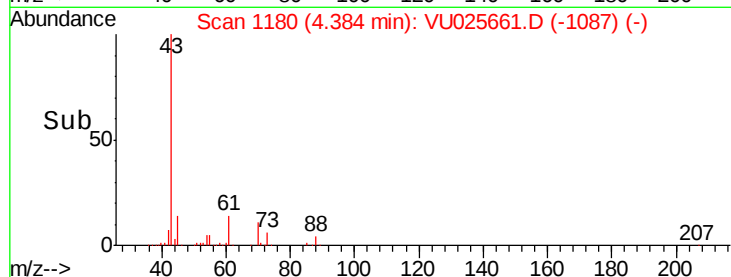
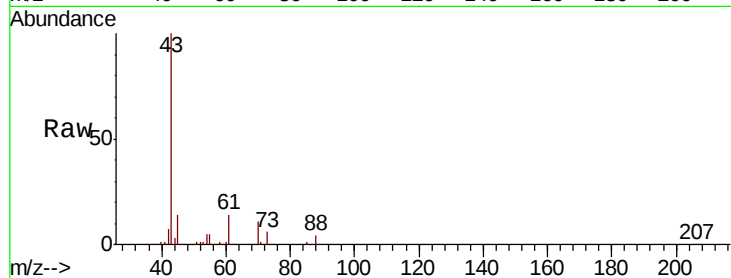
#37
Ethyl Acetate
Concen: 51.06 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.6	8.4	12.6

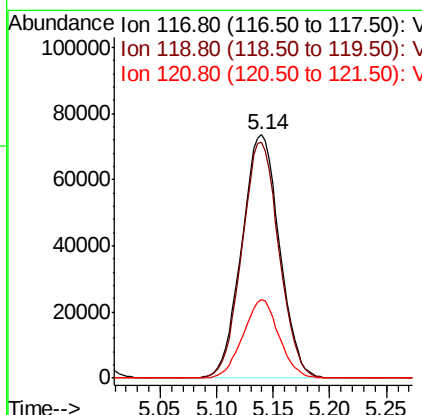
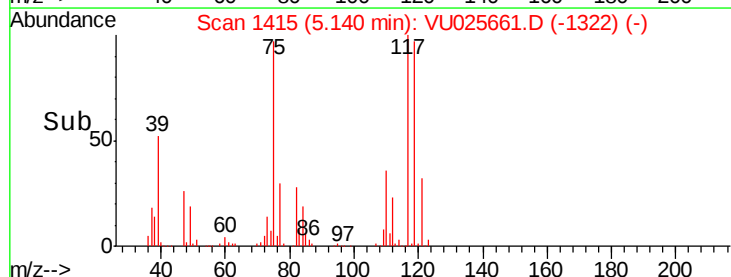
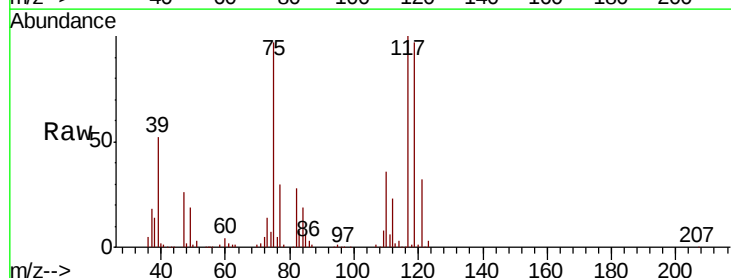
Manual Integrations
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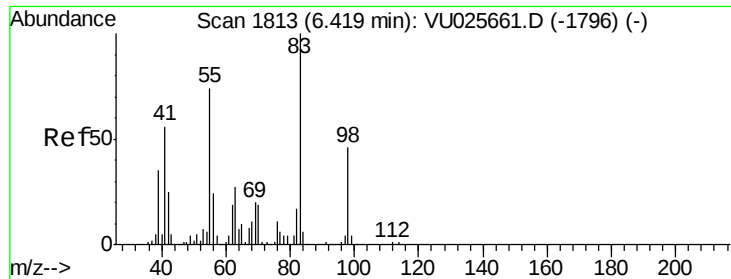
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#38
Carbon Tetrachloride
Concen: 56.19 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	32.3	24.6	36.8





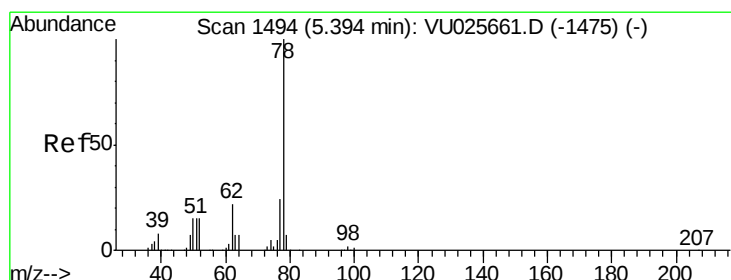
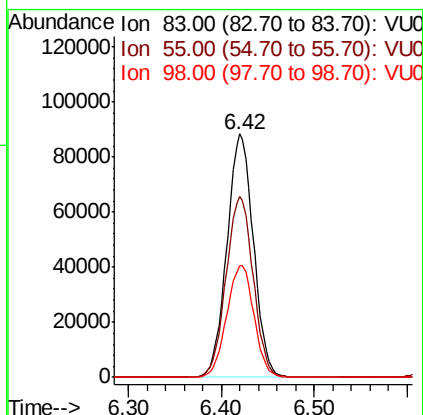
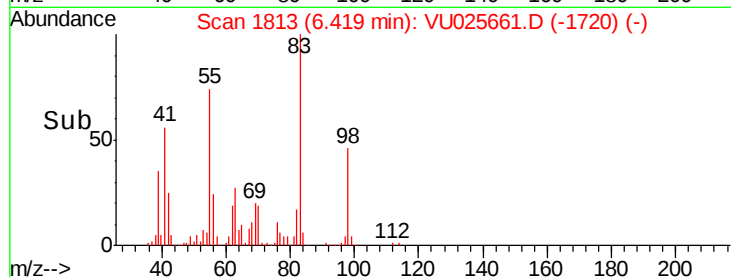
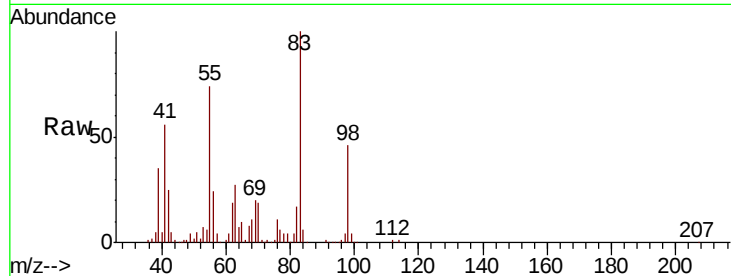
#39
Methvlcvclohexane
Concen: 49.66 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	175358
Ion Ratio	Lower	Upper	
83	100		
55	74.3	60.0	90.0
98	45.7	36.1	54.1

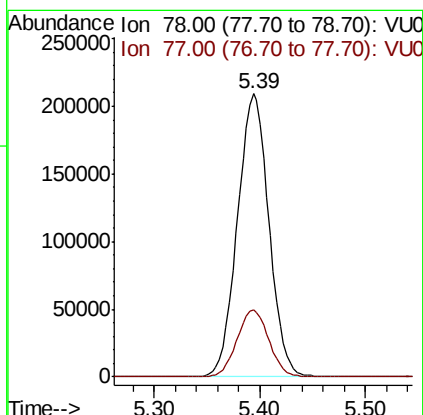
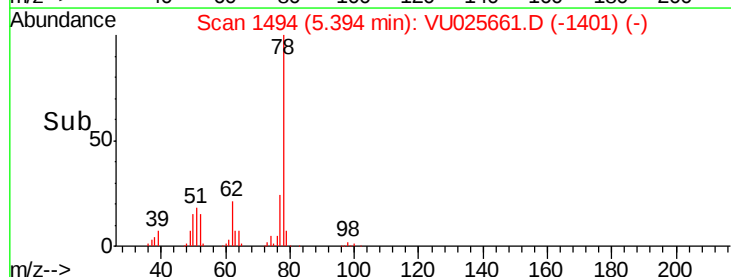
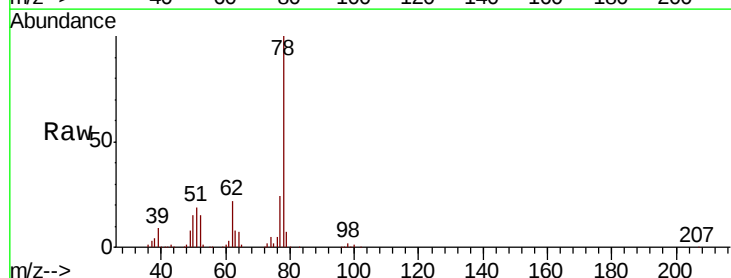
Manual Integrations
APPROVED

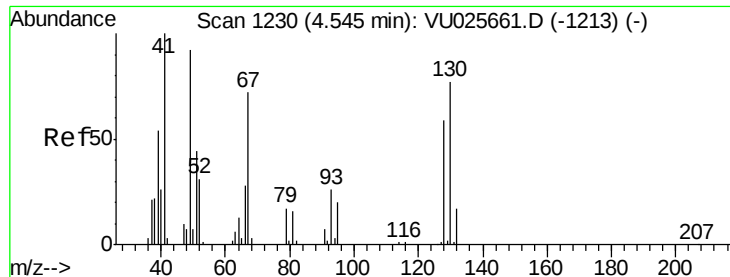
MMDadoda
7/31/2018 3:48:01 PM



#40
Benzene
Concen: 53.09 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	78	Resp	433151
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.8	29.6





#41

Methacrylonitrile

Concen: 50.86 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 89033

Ion Ratio Lower Upper

41 100

39 54.0 44.4 66.6

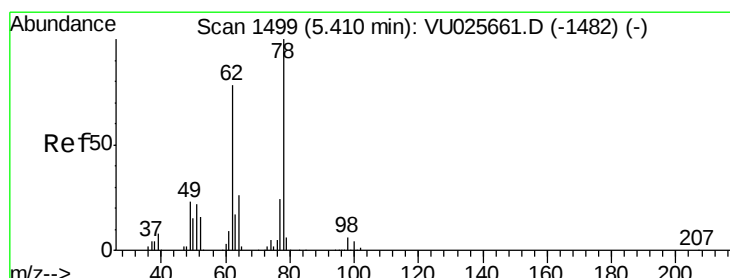
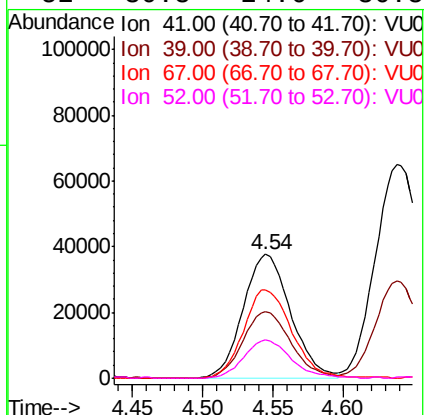
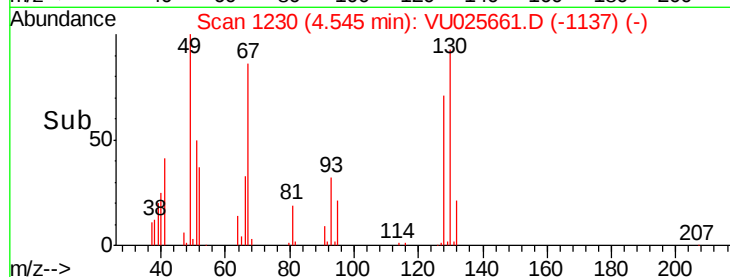
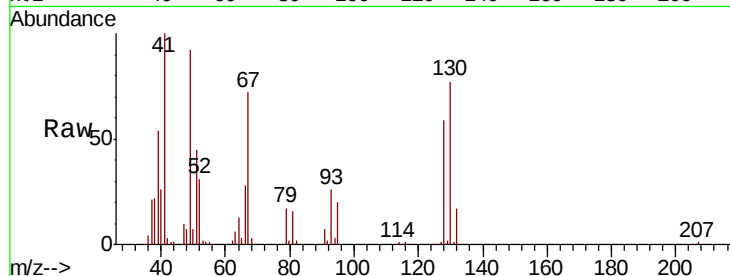
67 72.0 56.0 84.0

52 30.8 24.6 36.8

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#42

1,2-Dichloroethane

Concen: 51.10 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025661.D

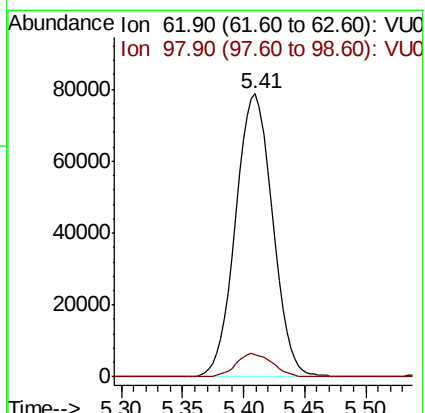
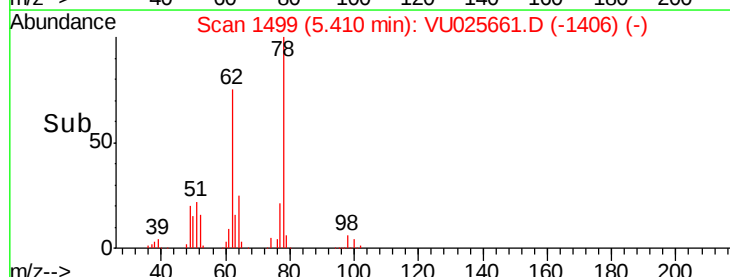
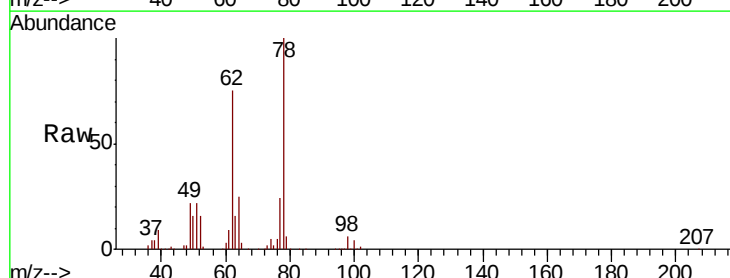
Acq: 27 Jul 2018 11:04

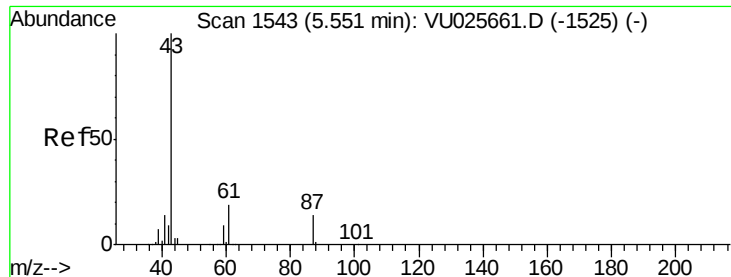
Tgt Ion: 62 Resp: 165719

Ion Ratio Lower Upper

62 100

98 8.1 0.0 16.4





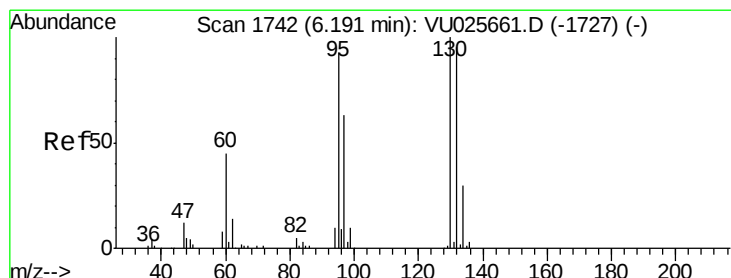
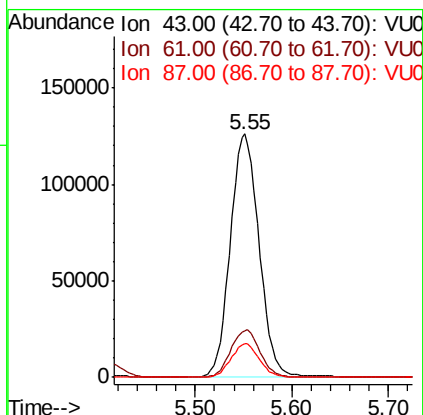
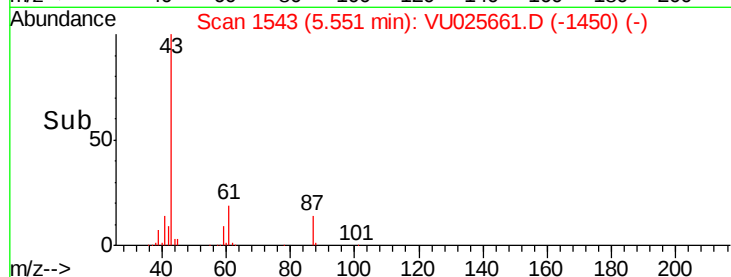
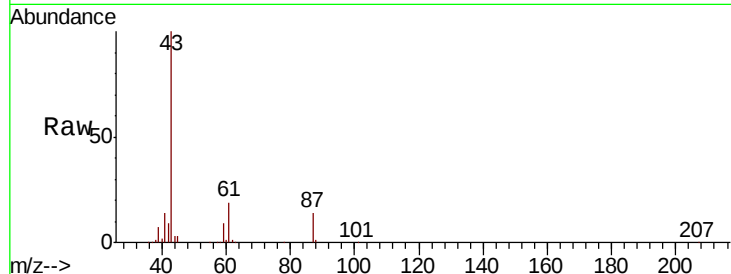
#43
Isopropyl Acetate
Concen: 51.38 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.6	10.6	16.0

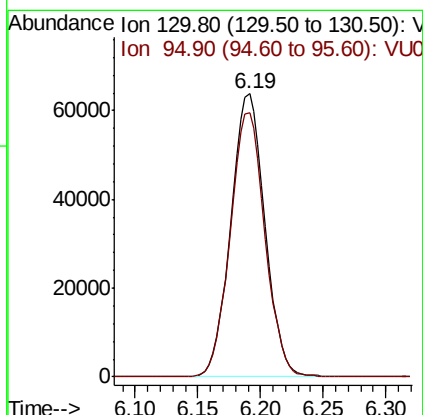
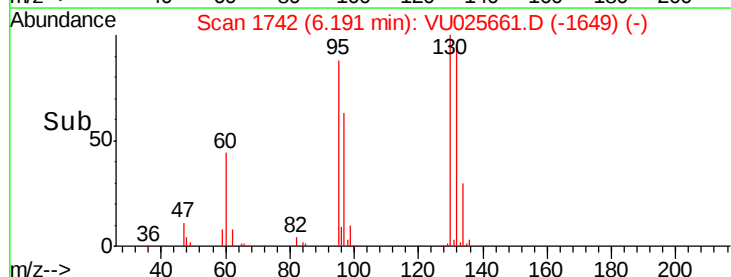
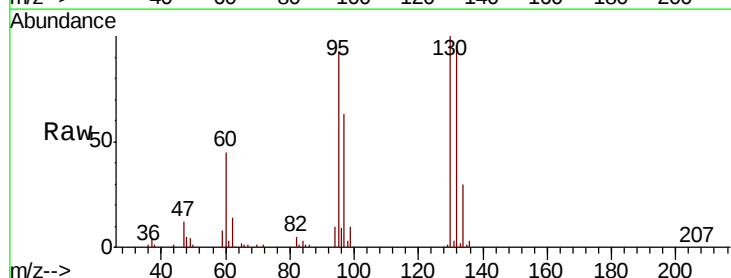
Manual Integrations
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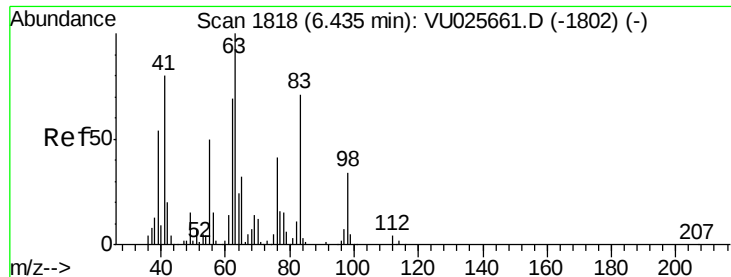
MMDadoda
7/31/2018 3:48:01 PM



#44
Trichloroethene
Concen: 51.48 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	192.2





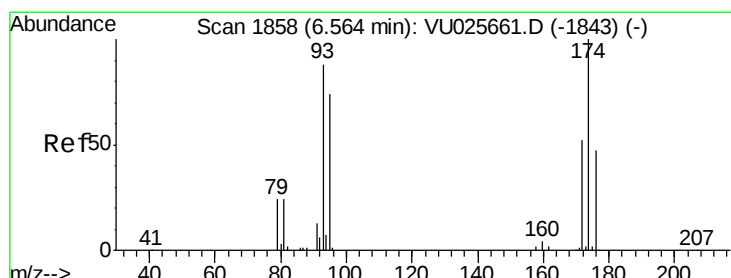
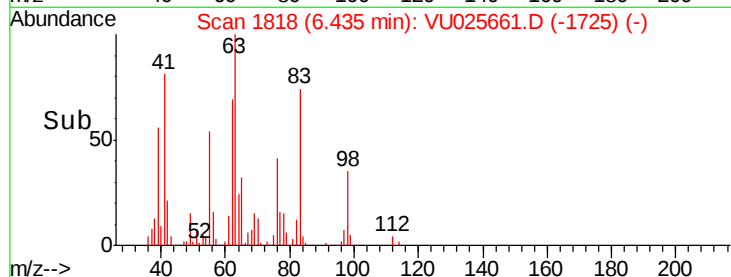
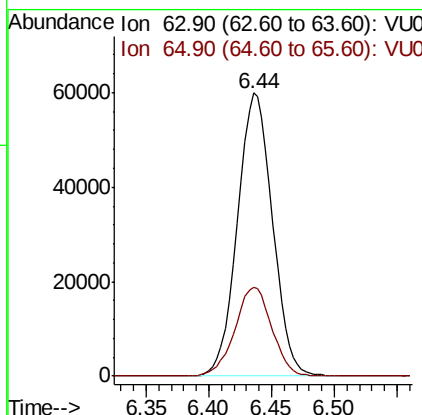
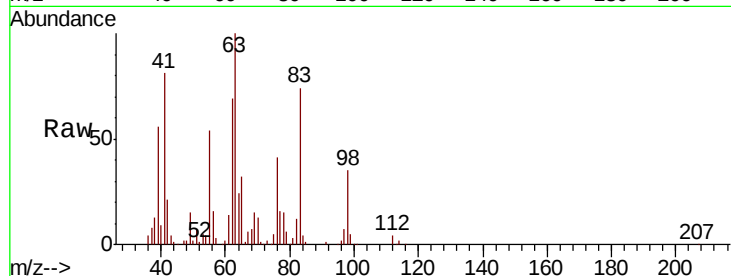
#45
 1,2-Dichloropropane
 Concen: 54.45 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	26.1	39.1

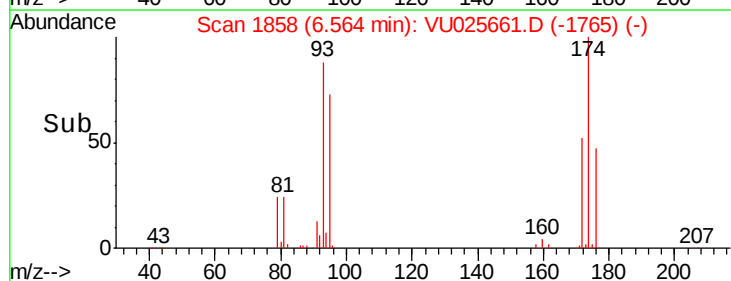
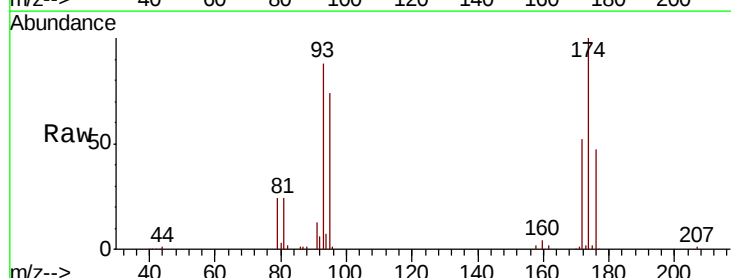
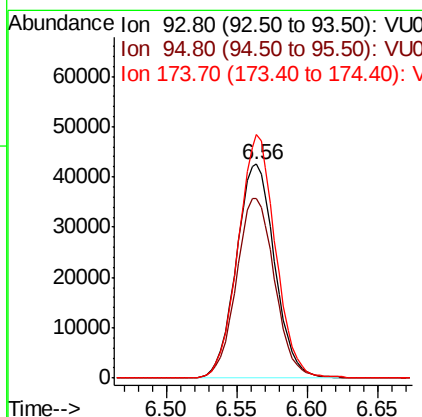
Manual Integrations
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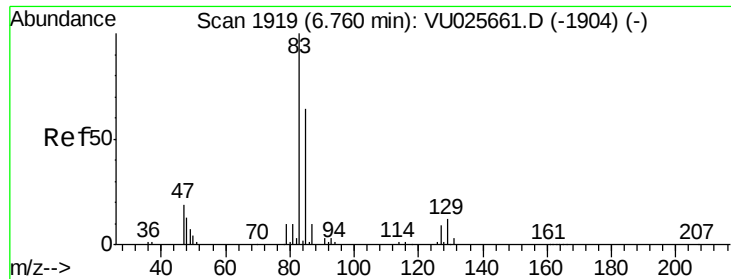
MMDadoda
 7/31/2018 3:48:01 PM



#46
 Dibromomethane
 Concen: 52.27 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.6	100.0
174	110.5	85.8	128.8





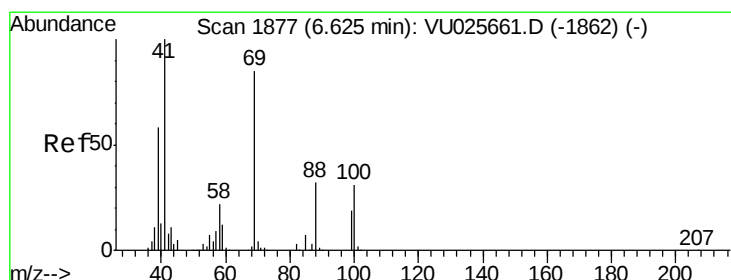
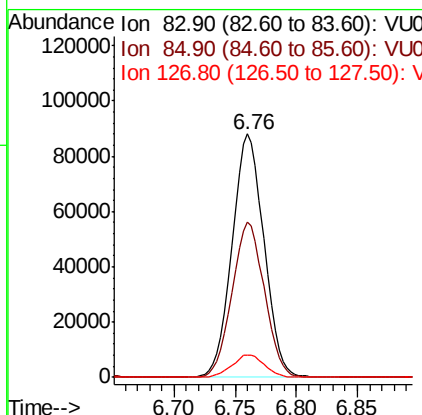
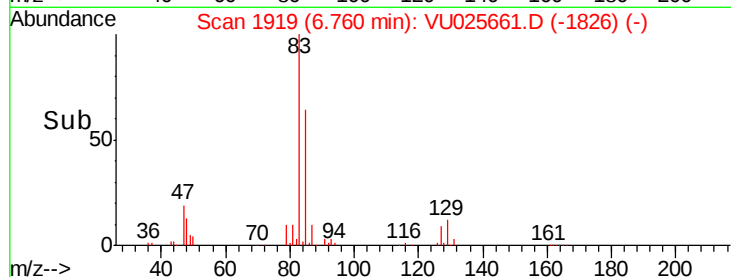
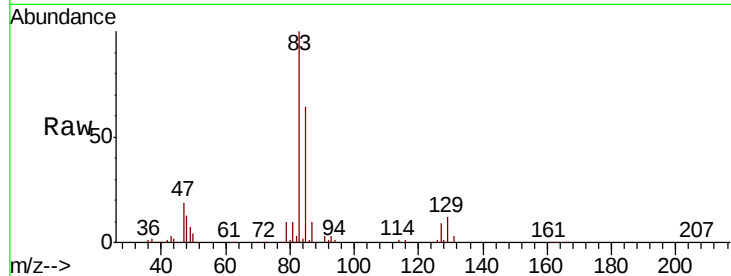
#47
Bromodichloromethane
Concen: 55.24 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.6	50.2	75.4	
127	9.4	7.2	10.8	

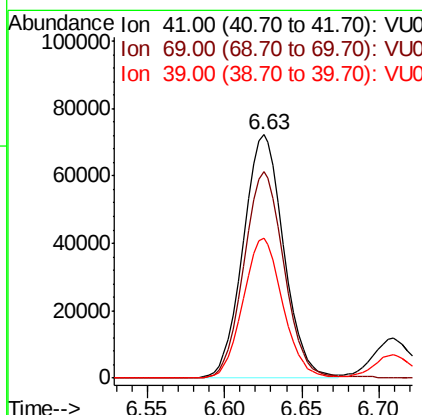
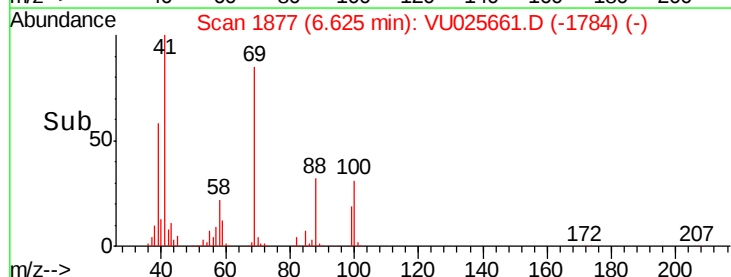
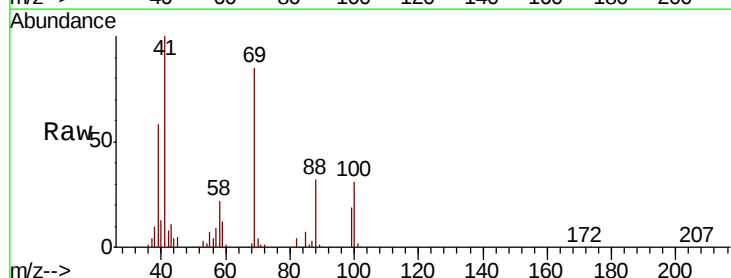
Manual Integrations
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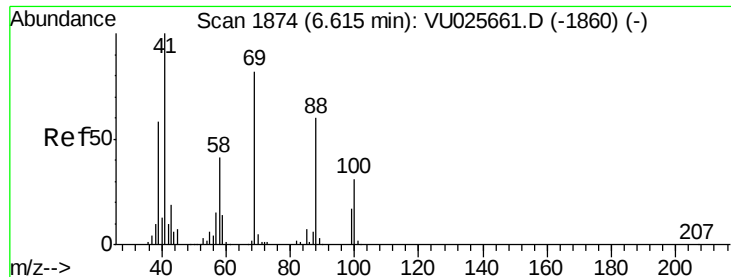
MMDadoda
7/31/2018 3:48:01 PM



#48
Methyl methacrylate
Concen: 52.00 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	84.9	65.0	97.4	
39	56.5	46.4	69.6	





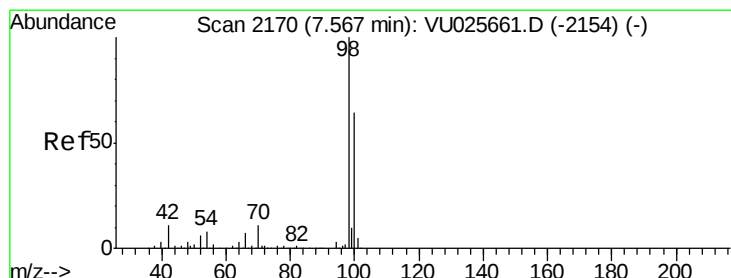
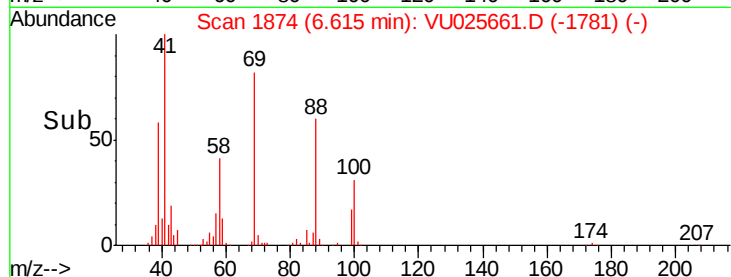
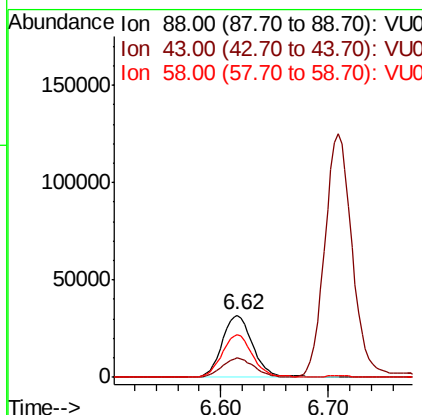
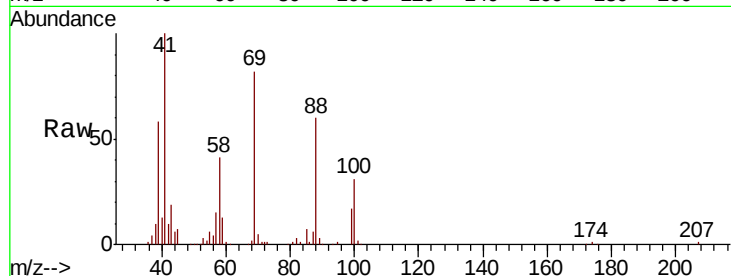
#49
1,4-Dioxane
Concen: 1020.13 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.3	40.9
58	69.8	57.6	86.4

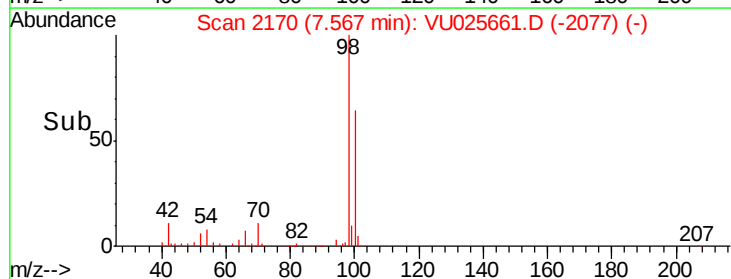
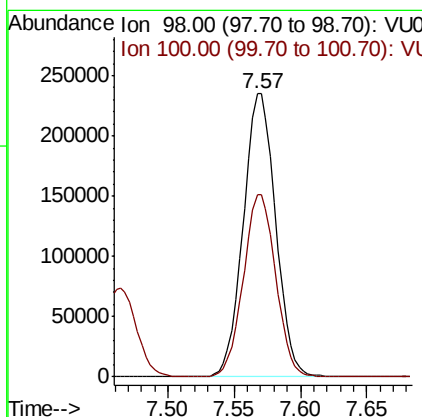
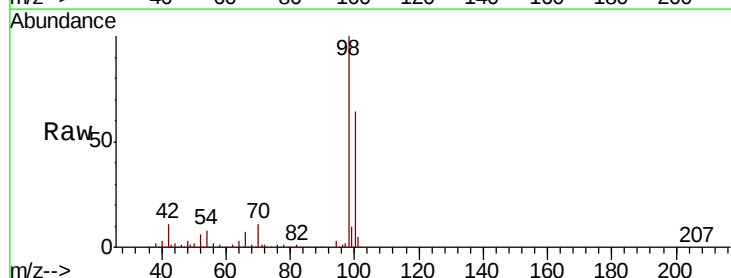
Manual Integrations
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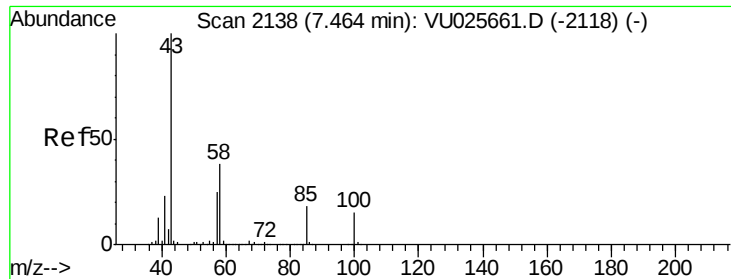
MMDadoda
7/31/2018 3:48:01 PM



#50
Toluene-d8
Concen: 54.30 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 252.28 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 829045

Ion Ratio Lower Upper

43 100

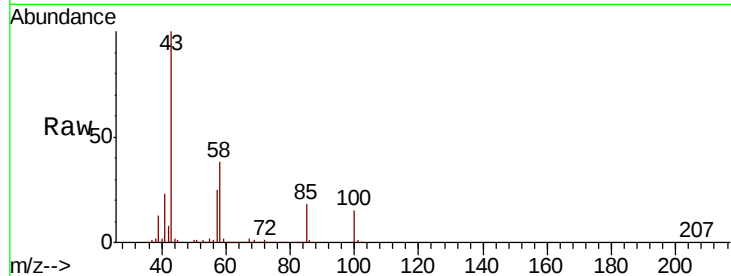
58 38.7 31.0 46.4

Manual Integrations

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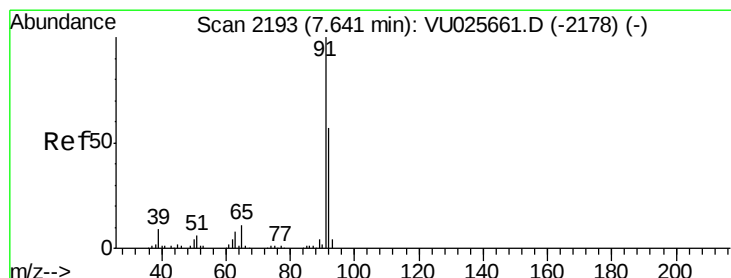
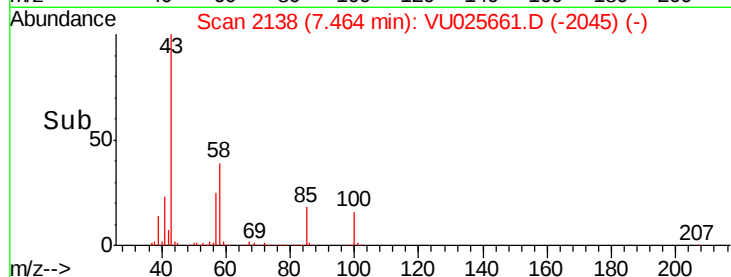
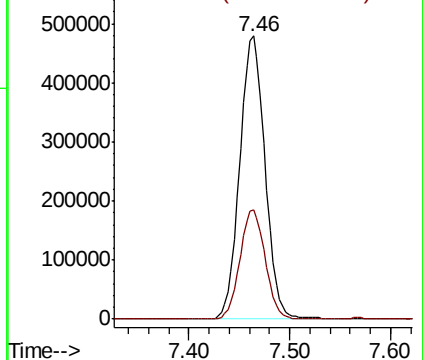
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 53.40 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025661.D

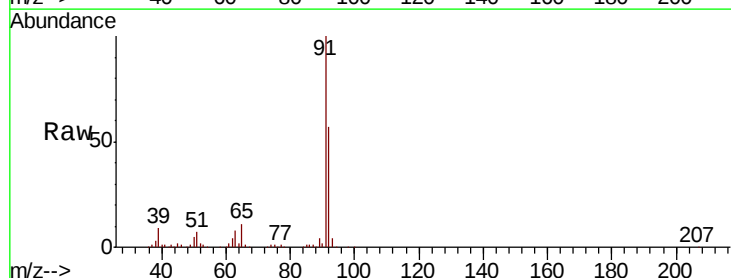
Acq: 27 Jul 2018 11:04

Tgt Ion: 92 Resp: 277175

Ion Ratio Lower Upper

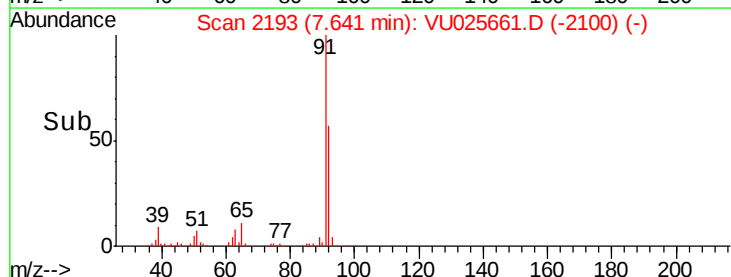
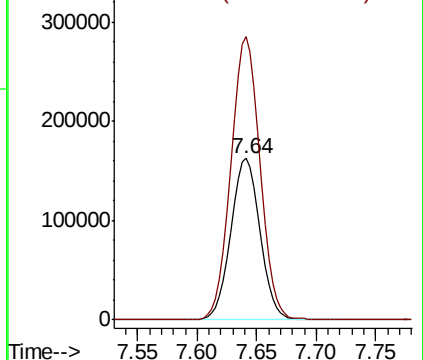
92 100

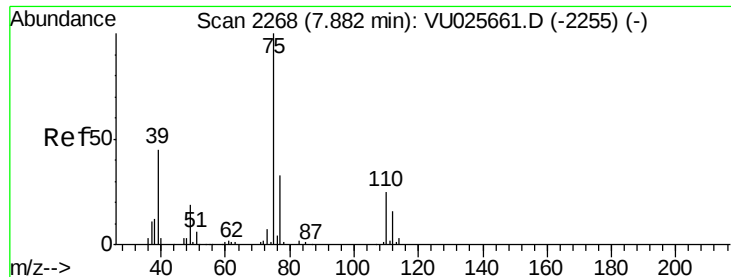
91 174.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 57.14 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 181370

Ion Ratio Lower Upper

75 100

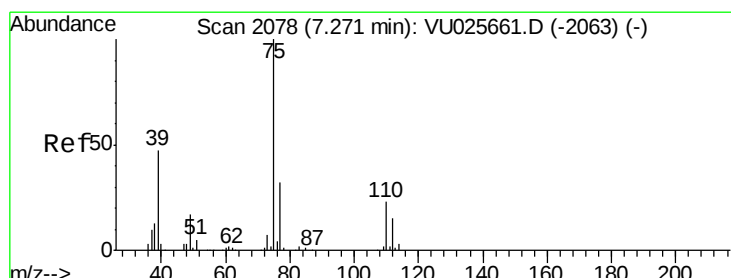
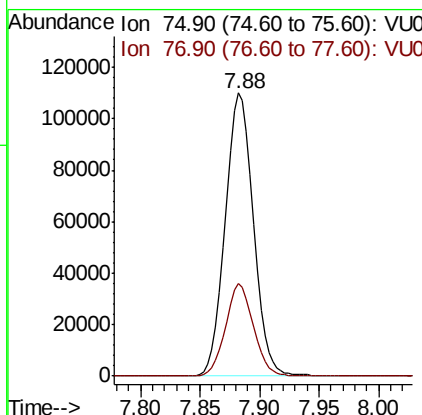
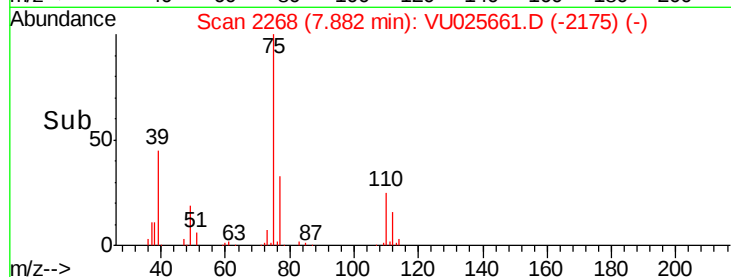
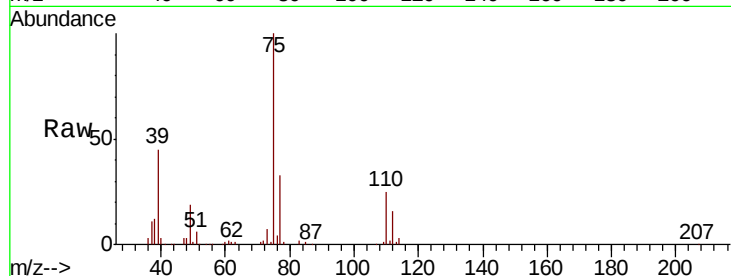
77 32.6 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.48 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

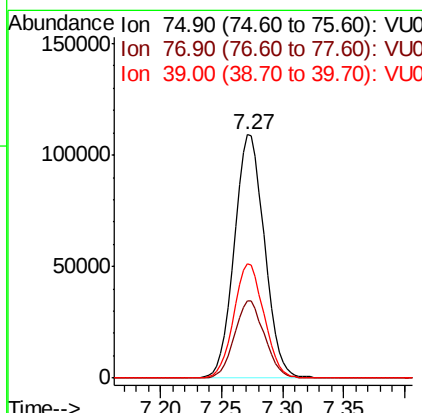
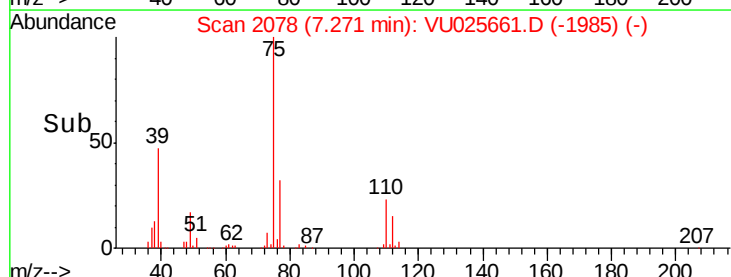
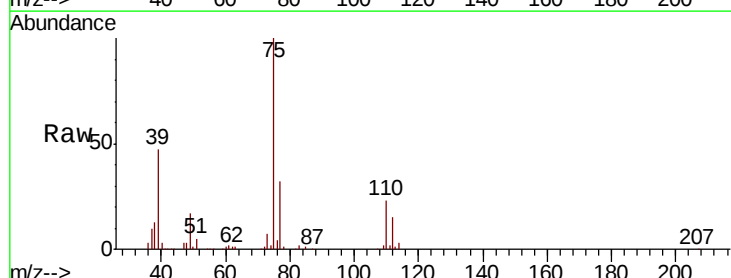
Tgt Ion: 75 Resp: 187399

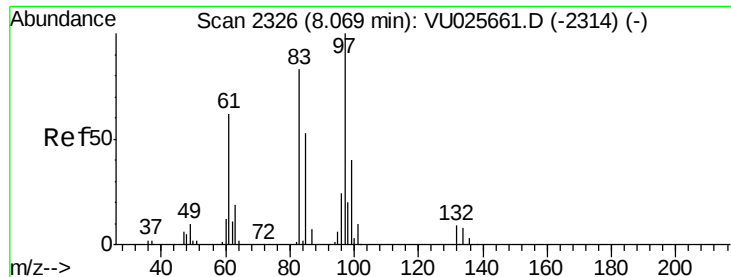
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 47.0 40.0 60.0





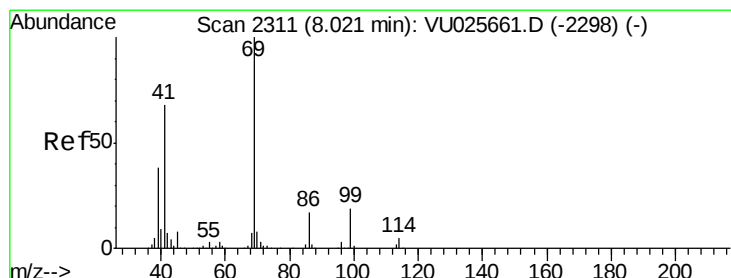
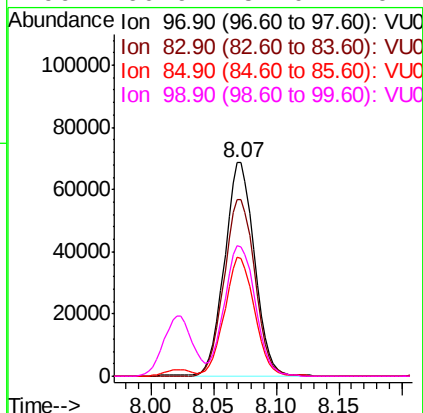
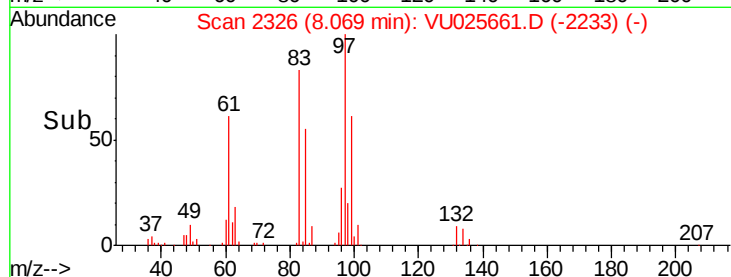
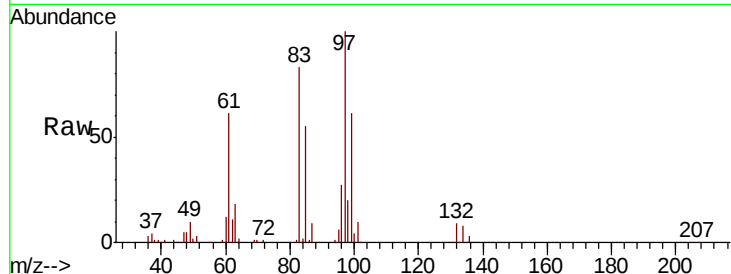
#55
 1,1,2-Trichloroethane
 Concen: 52.53 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		113554		
83	82.9	68.9	103.3		
85	55.5	44.4	66.6		
99	60.9	51.0	76.4		

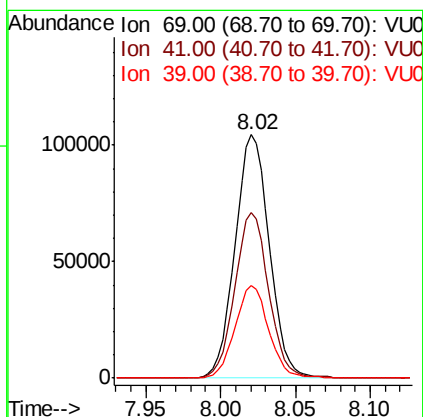
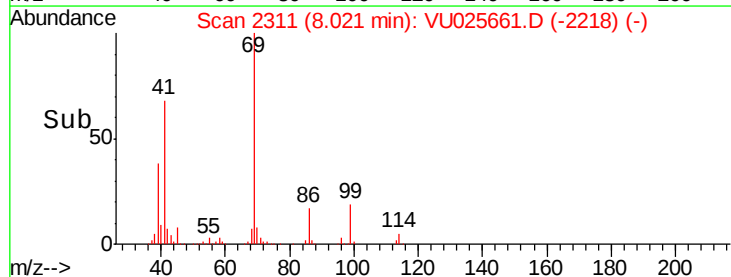
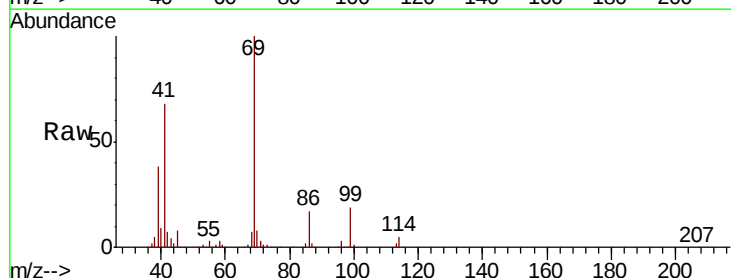
Manual Integrations
 APPROVED

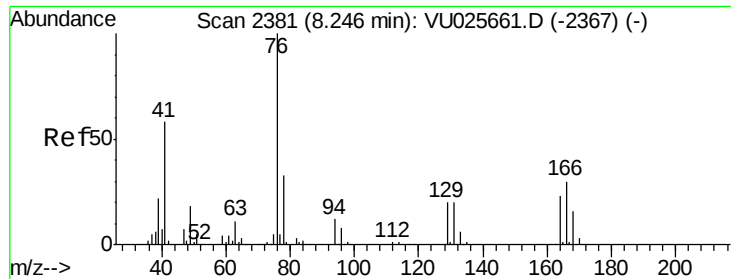
MMDadoda
 7/31/2018 3:48:01 PM



#56
 Ethyl methacrylate
 Concen: 49.45 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		166946		
41	67.2	54.8	82.2		
39	36.9	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 52.67 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tot Ion: 76 Resp: 189009

Ion Ratio Lower Upper

76 100

78 32.9 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

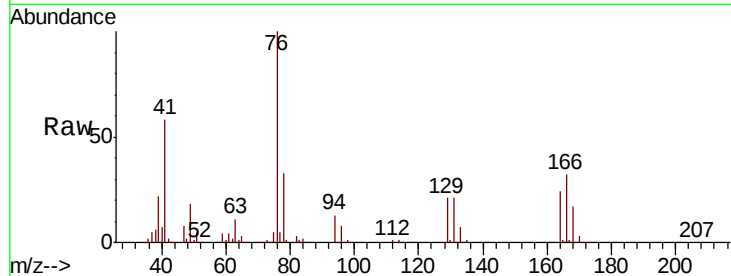
VSTDICCC050

Manual Integrations

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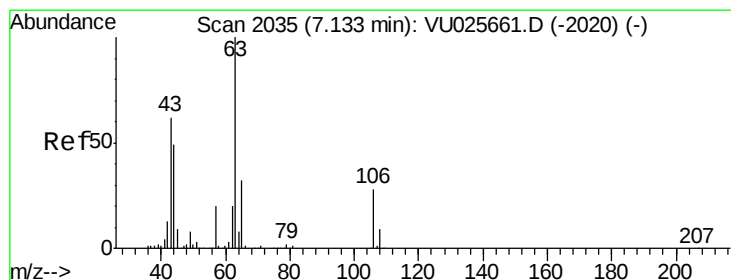
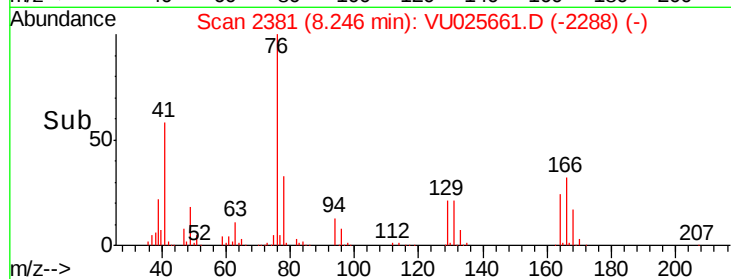
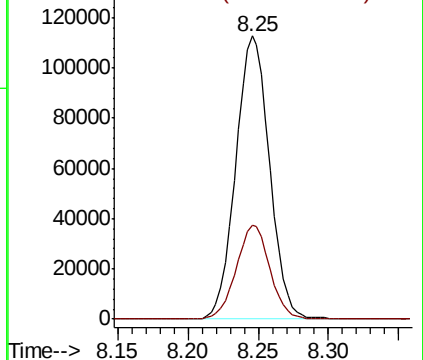
MMDadoda

7/31/2018 3:48:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 296.54 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025661.D

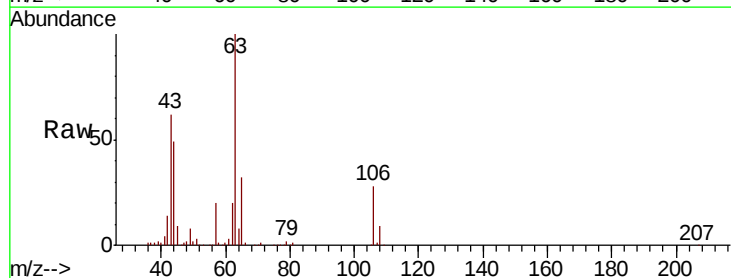
Acq: 27 Jul 2018 11:04

Tgt Ion: 63 Resp: 353312

Ion Ratio Lower Upper

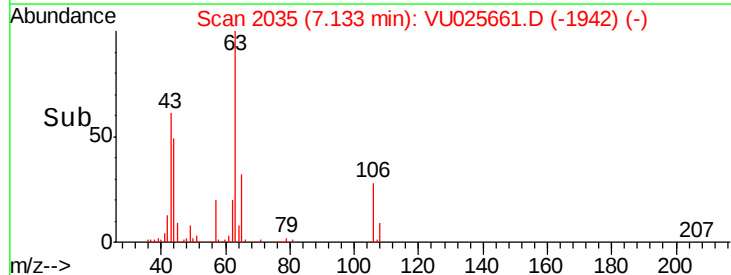
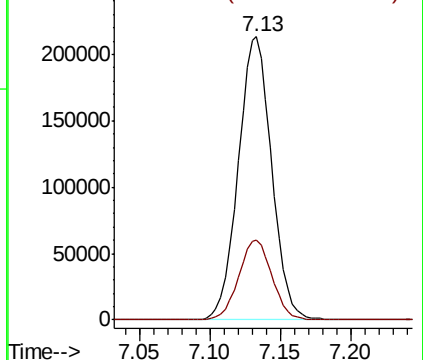
63 100

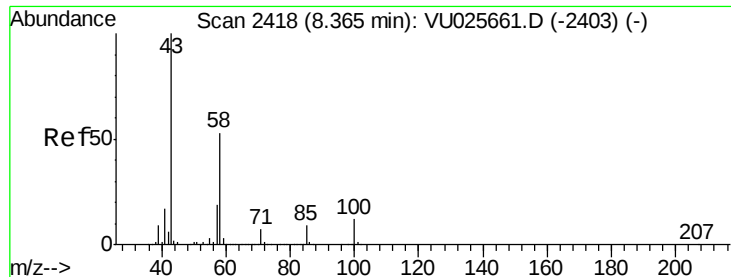
106 28.2 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





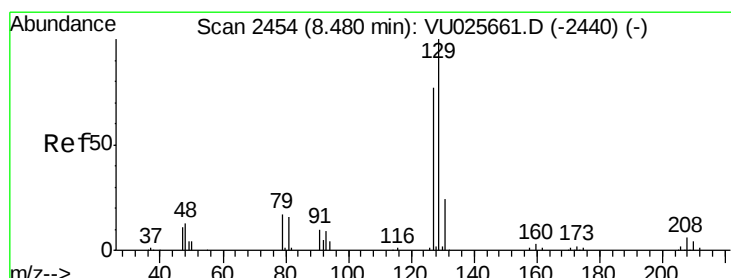
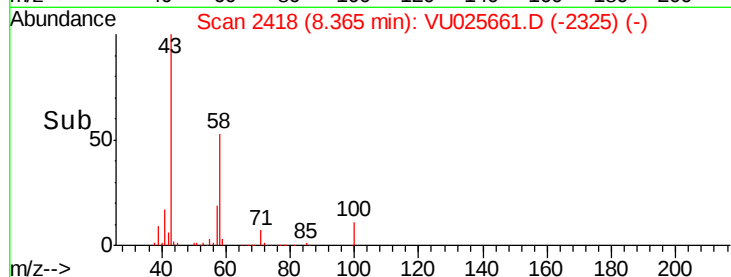
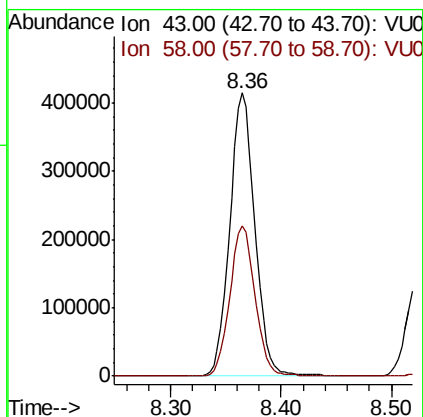
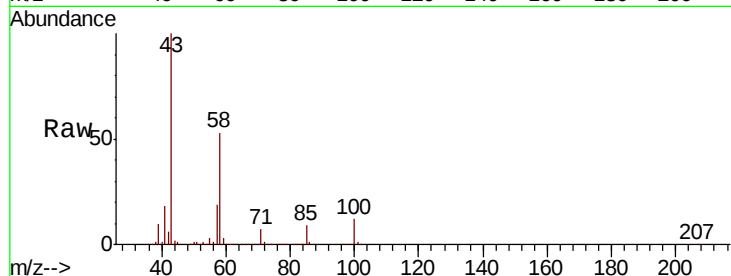
#59
2-Hexanone
Concen: 245.68 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 654877
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.5

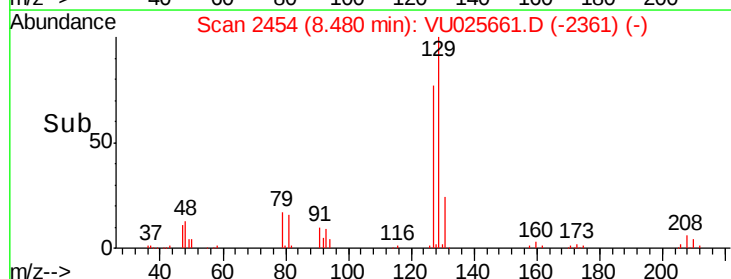
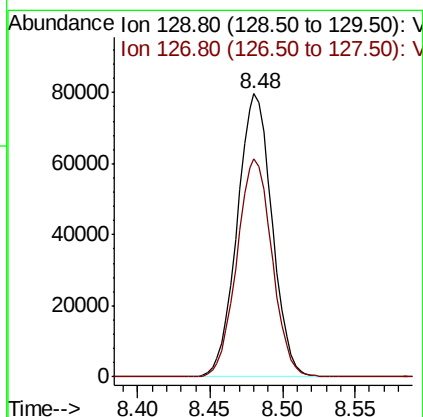
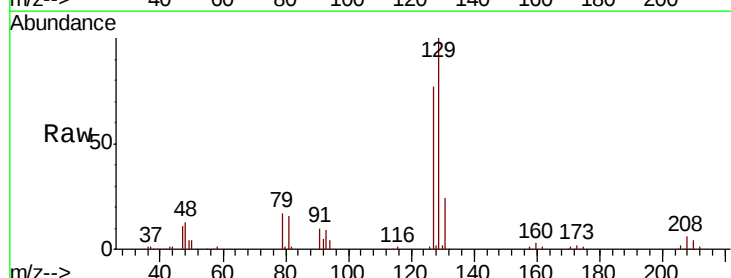
Manual Integrations
APPROVED

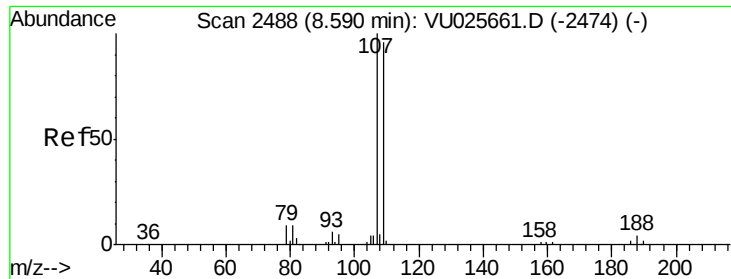
MMDadoda
7/31/2018 3:48:01 PM



#60
Dibromochloromethane
Concen: 57.01 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion: 129 Resp: 133084
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.04 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 127311

Ion Ratio Lower Upper

107 100

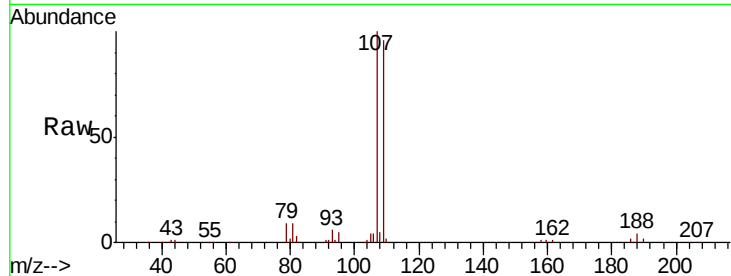
109 94.4 75.8 113.8

Manual Integrations

APPROVED

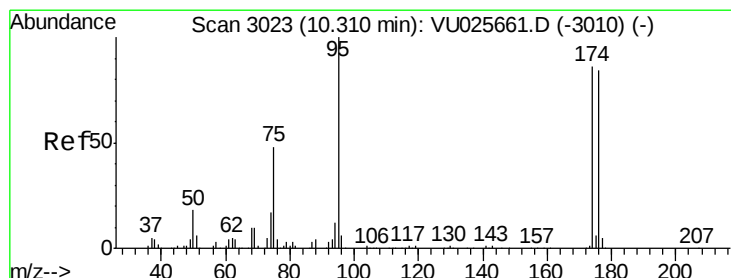
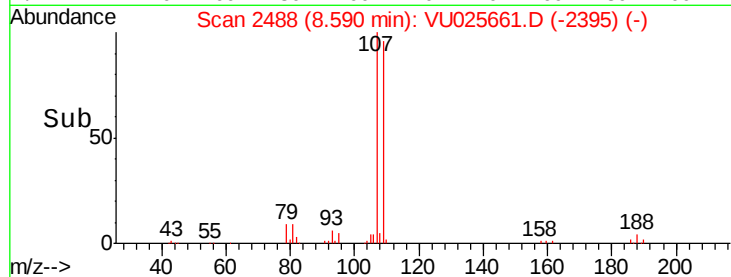
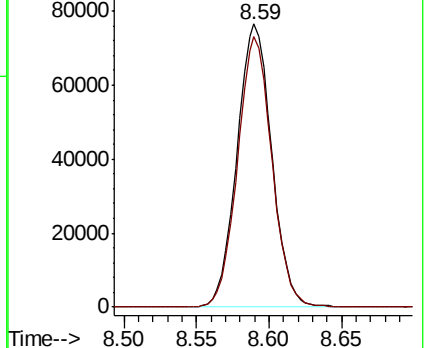
MMDadoda

7/31/2018 3:48:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.75 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

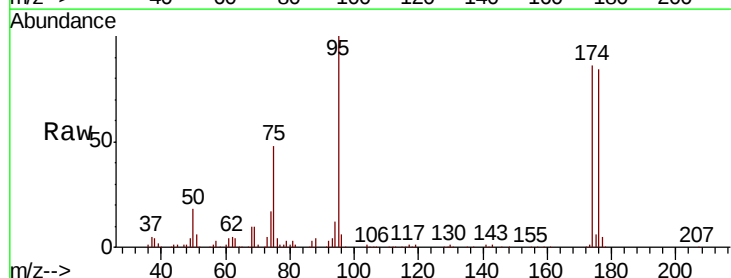
Tgt Ion: 95 Resp: 153260

Ion Ratio Lower Upper

95 100

174 87.2 0.0 172.2

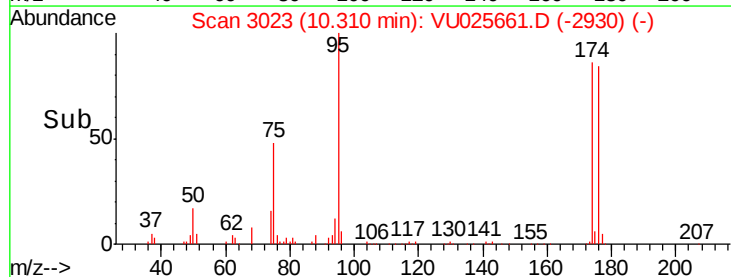
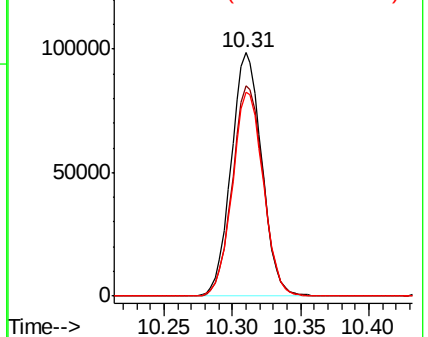
176 84.7 0.0 162.6

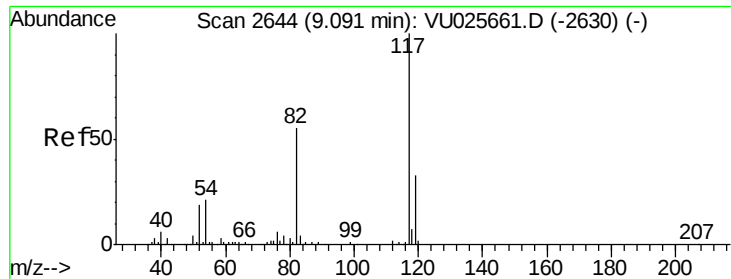


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





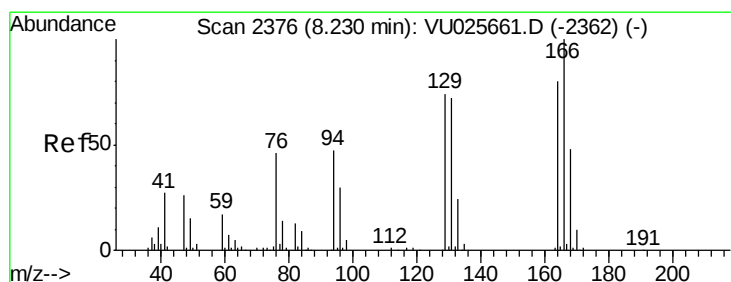
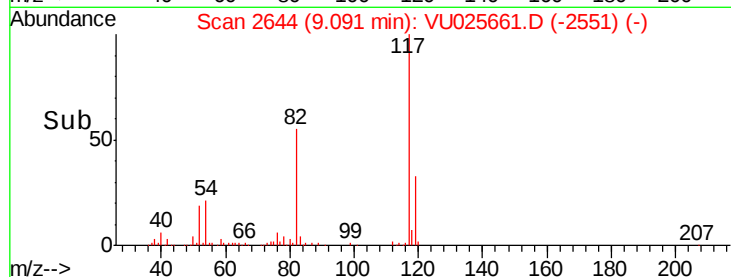
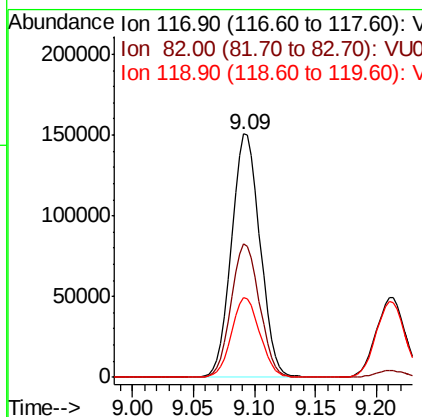
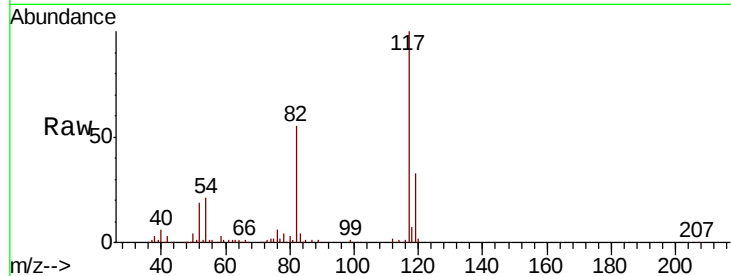
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246692		
82	54.6	46.0	69.0	
119	32.8	26.0	39.0	

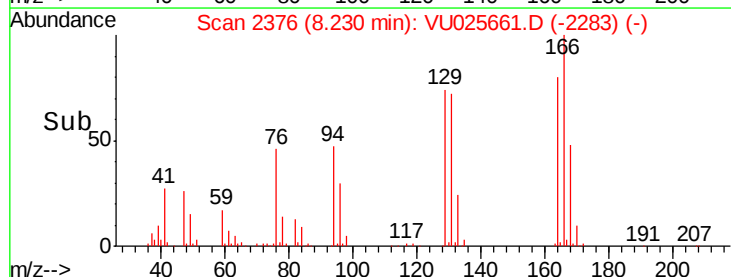
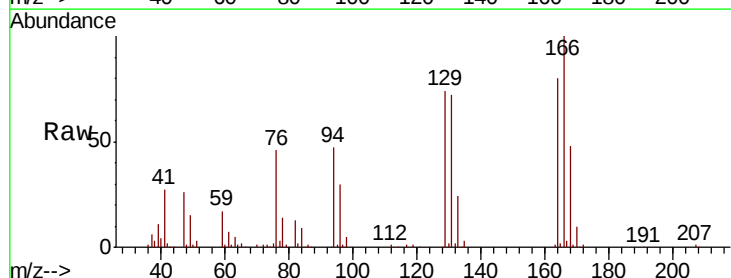
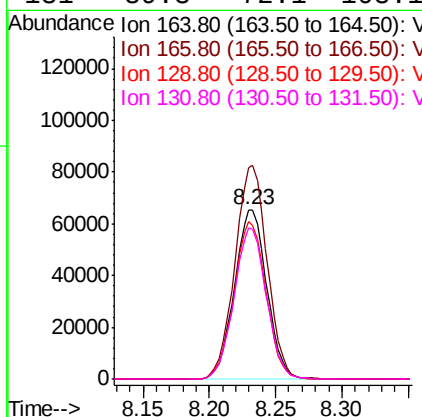
Manual Integrations
APPROVED

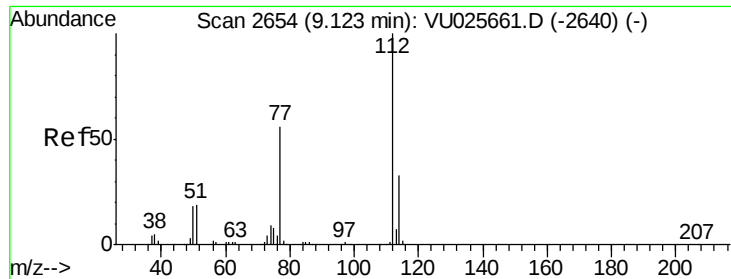
MMDadoda
7/31/2018 3:48:01 PM



#64
Tetrachloroethene
Concen: 49.02 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110228		
166	124.4	101.1	151.7	
129	92.6	73.0	109.6	
131	89.3	72.1	108.1	





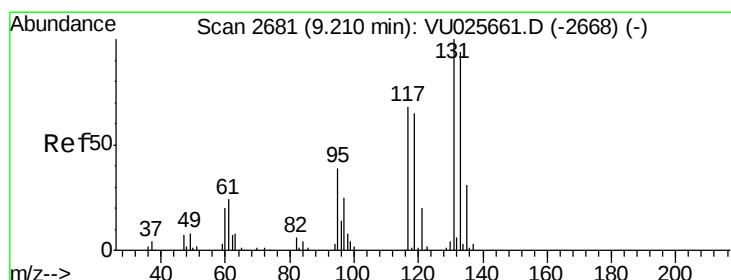
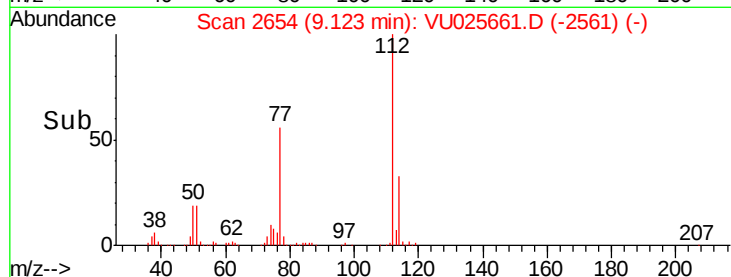
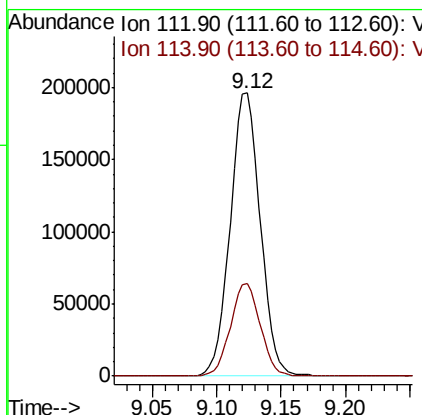
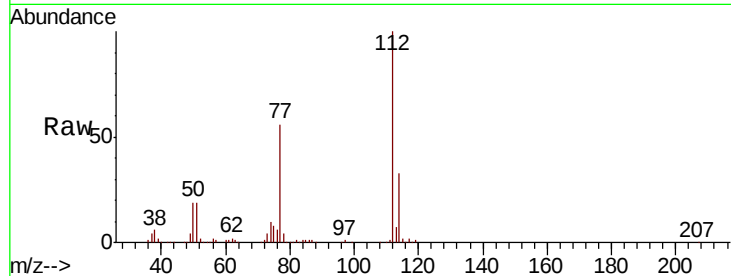
#65
Chlorobenzene
Concen: 51.55 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	317671		
114	32.7	25.8	38.8	

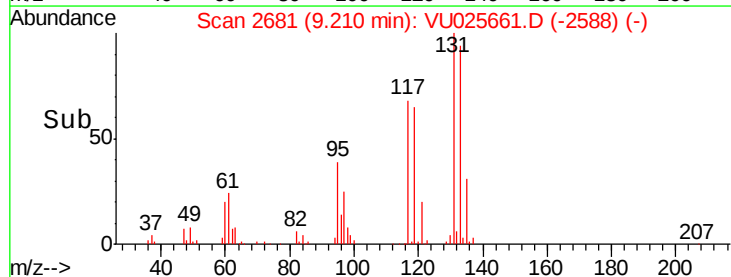
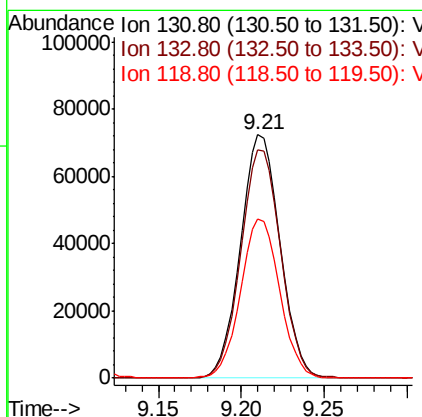
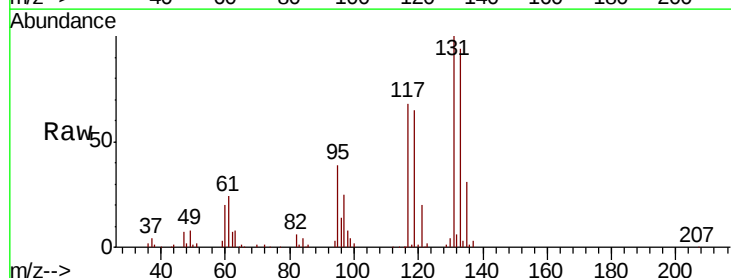
Manual Integrations
APPROVED

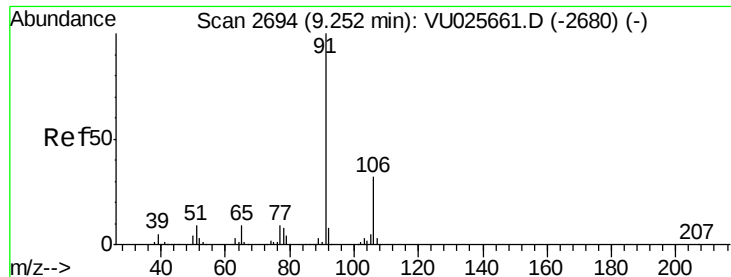
MMDadoda
7/31/2018 3:48:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.49 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	120123		
133	94.7	47.8	143.3	
119	64.6	31.6	95.0	





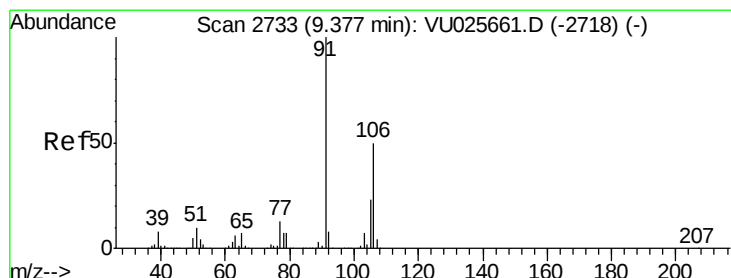
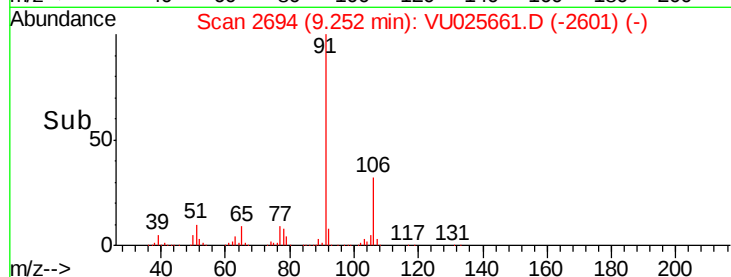
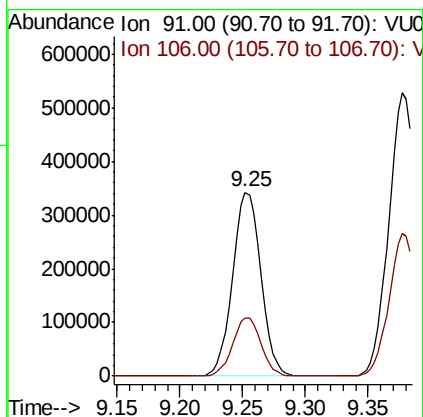
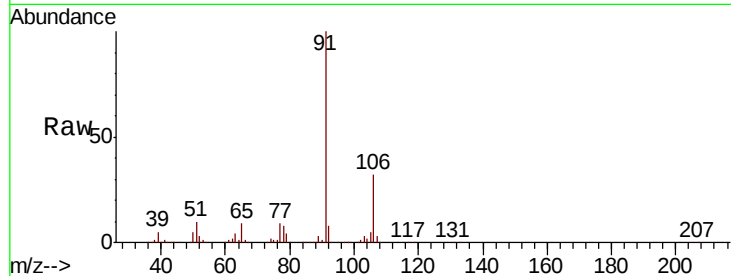
#67
Ethyl Benzene
Concen: 51.21 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	91	106	Ratio	Lower	Upper
Resp	538070				
Ion	100	31.9		25.3	37.9

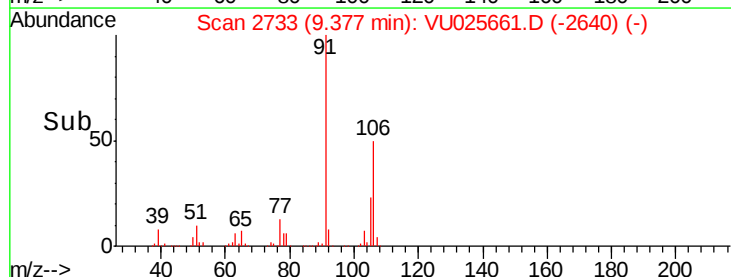
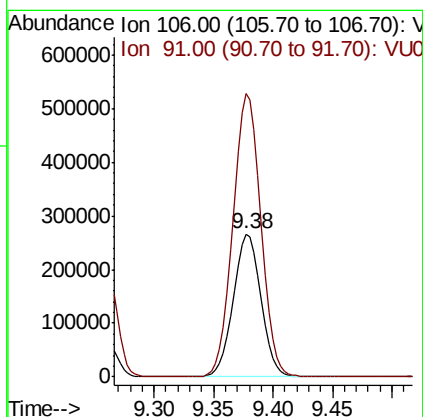
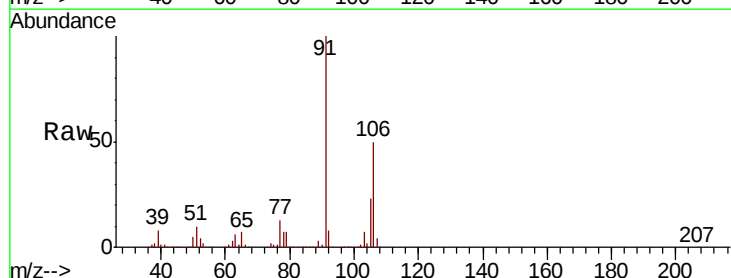
Manual Integrations
APPROVED

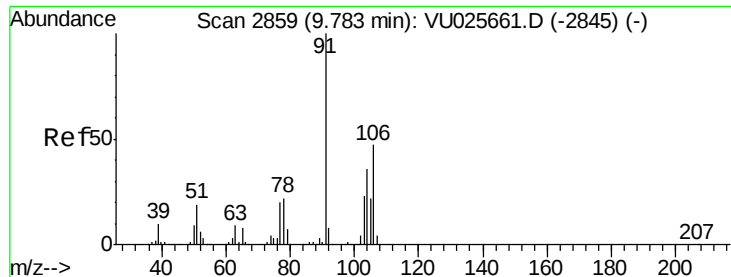
MMDadoda
7/31/2018 3:48:01 PM



#68
m/p-Xylenes
Concen: 105.32 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	106	91	Ratio	Lower	Upper
Resp	427779				
Ion	100	199.6		162.3	243.5





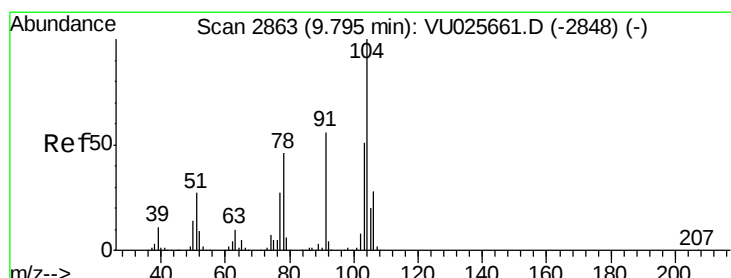
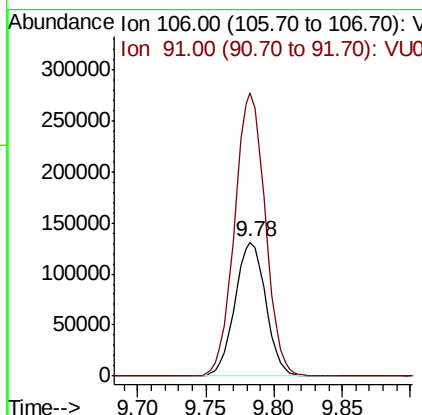
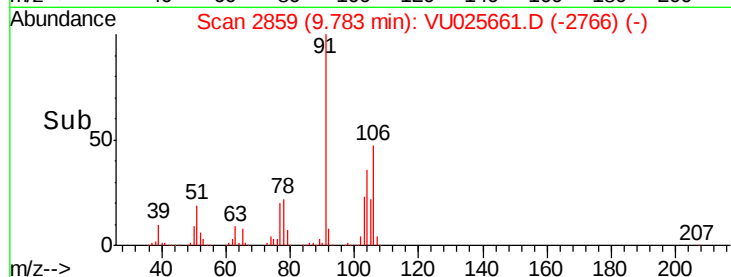
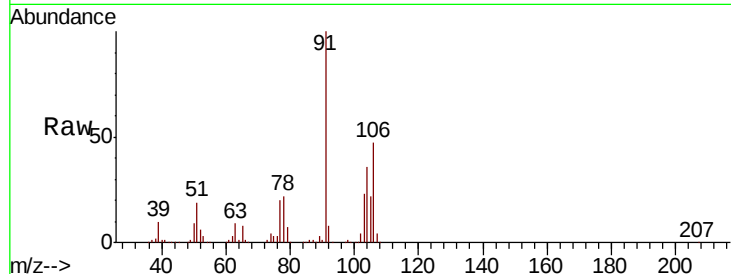
#69
o-Xylene
Concen: 50.59 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		205723		
91	210.5	105.3	315.8		

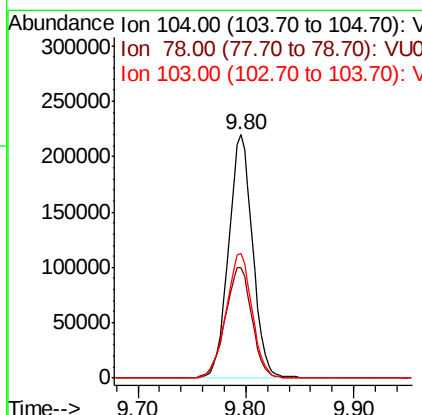
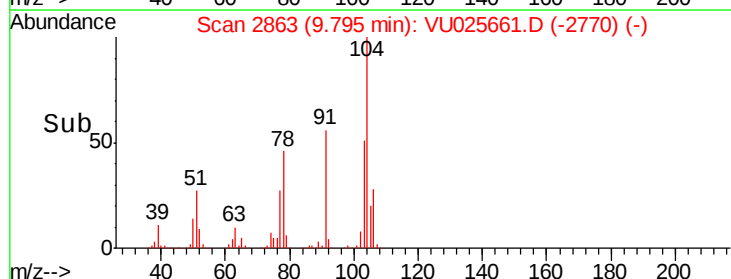
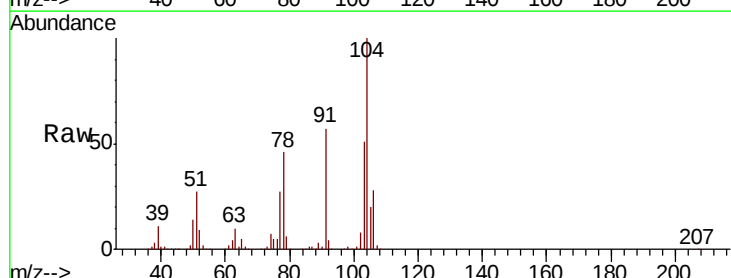
Manual Integrations
APPROVED

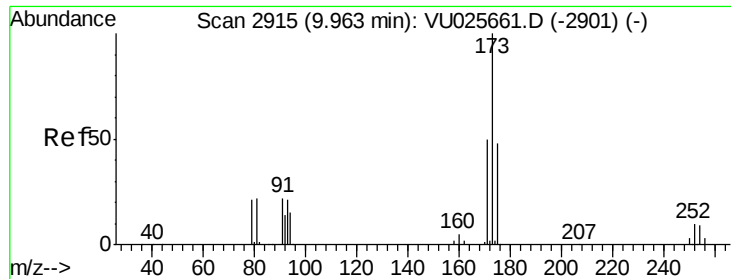
MMDadoda
7/31/2018 3:48:01 PM



#70
Styrene
Concen: 52.95 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		342062		
78	50.2	41.6	62.4		
103	55.3	44.6	66.8		





#71

Bromoform

Concen: 54.59 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

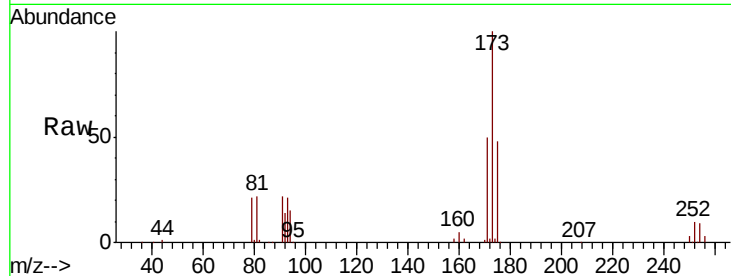
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.4	24.0	72.0	
254	0.0	0.0	0.0	

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:48:01 PM

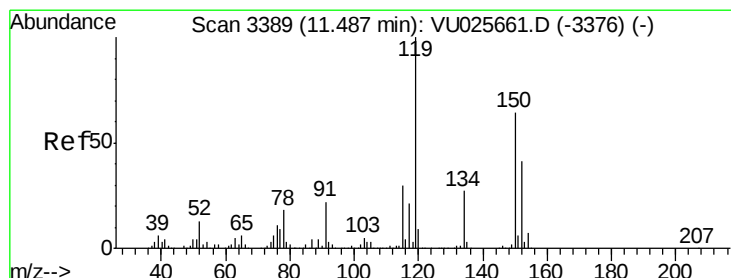
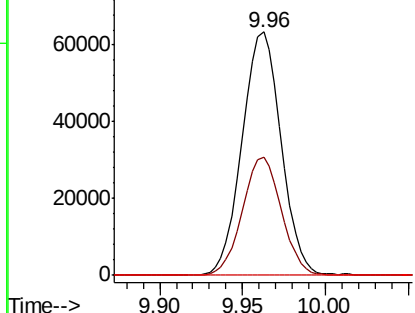
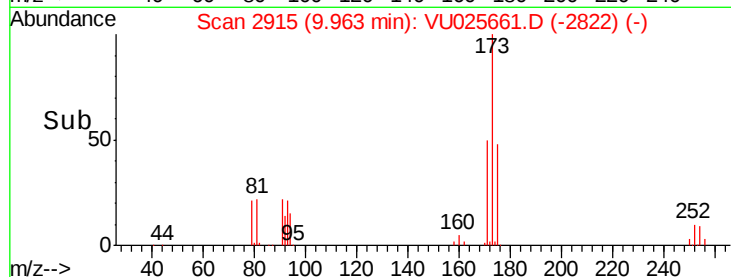


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

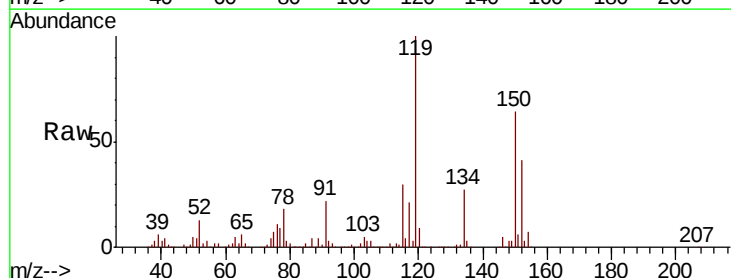
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	81.1	40.1	120.3	
150	174.6	0.0	351.4	

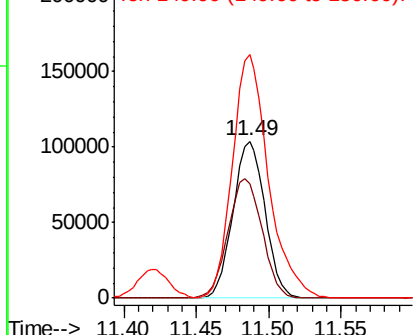
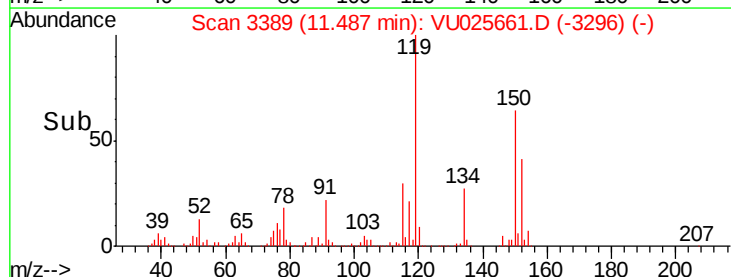


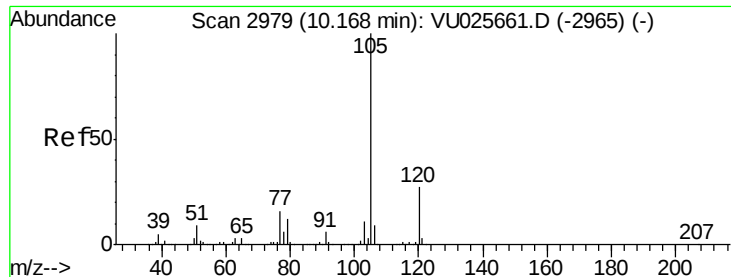
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.70 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 556472

Ion Ratio Lower Upper

105 100

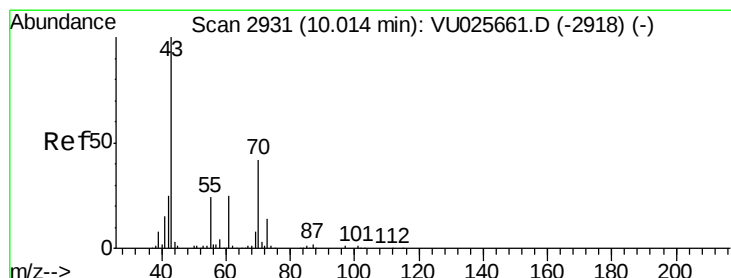
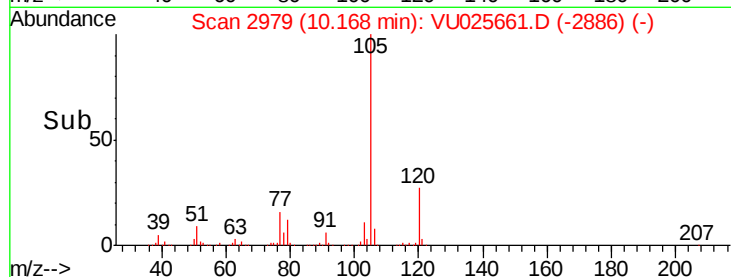
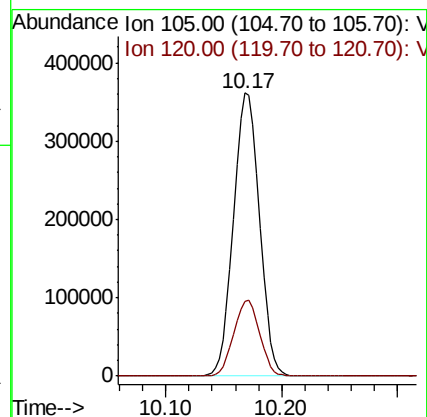
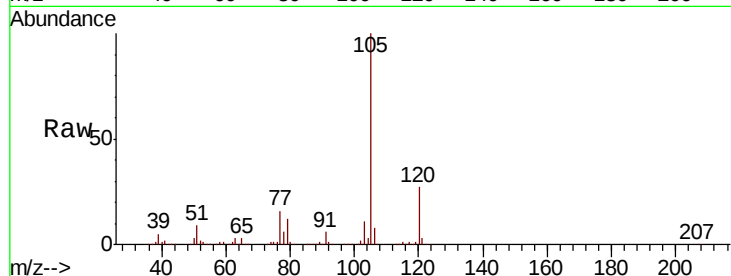
120 26.8 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.67 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion: 43 Resp: 230852

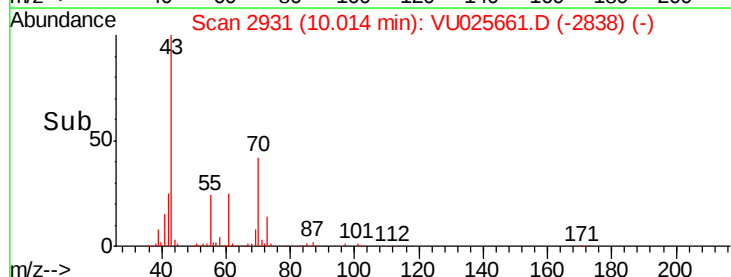
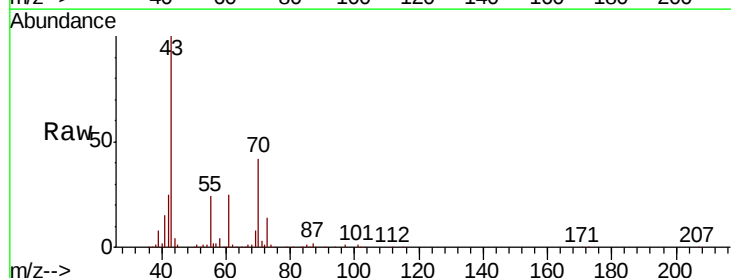
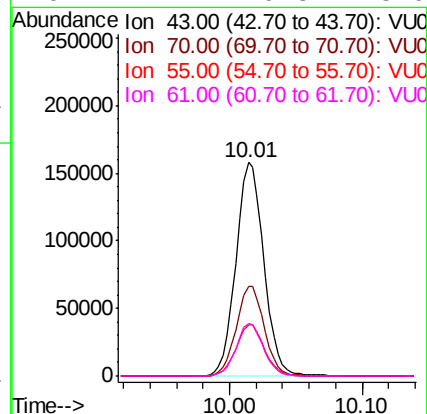
Ion Ratio Lower Upper

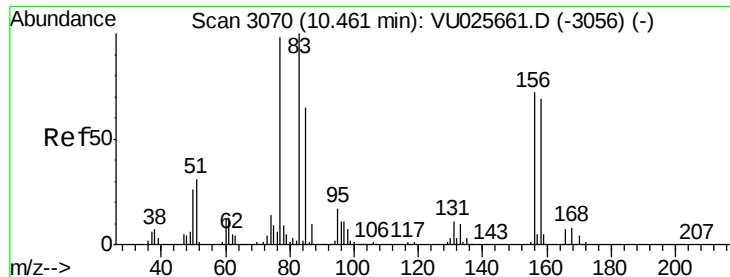
43 100

70 42.2 33.4 50.2

55 24.5 19.0 28.6

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.02 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 187327

Ion Ratio Lower Upper

83 100

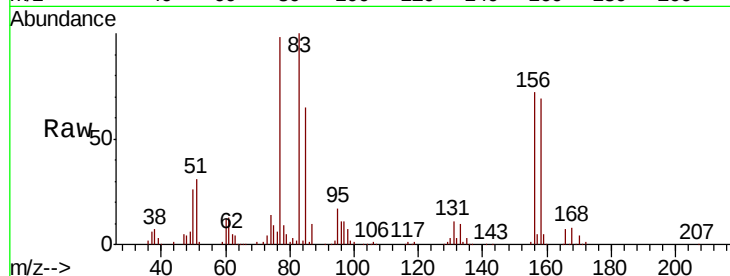
131 10.3 5.5 16.4

85 65.7 31.6 94.8

Manual Integrations
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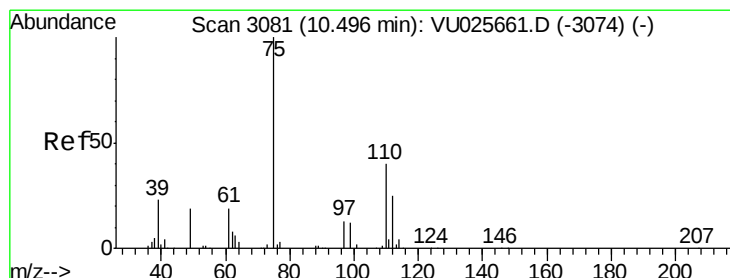
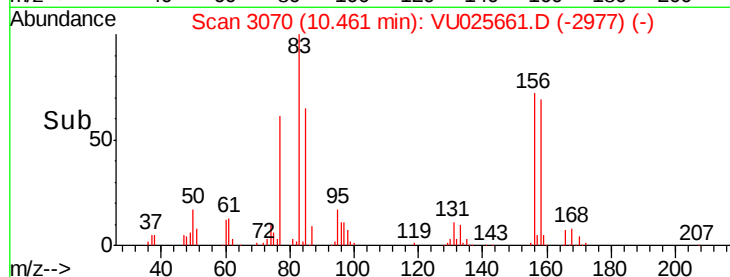
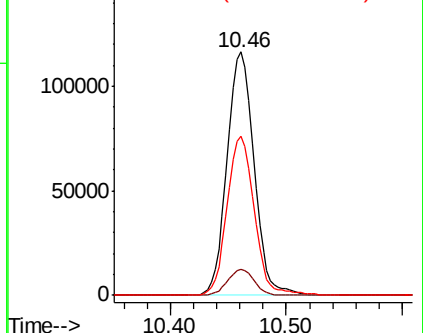
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Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025661.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-3056) (-)



#76

1,2,3-Trichloropropane

Concen: 48.36 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025661.D

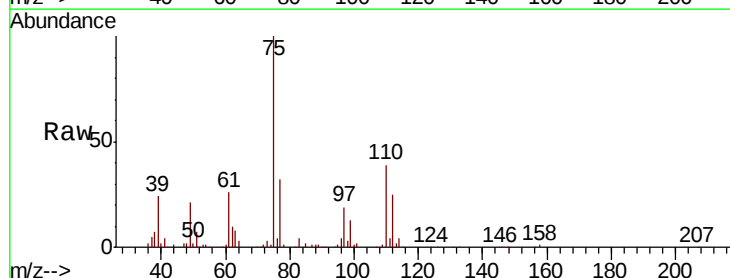
Acq: 27 Jul 2018 11:04

Tgt Ion: 75 Resp: 175508

Ion Ratio Lower Upper

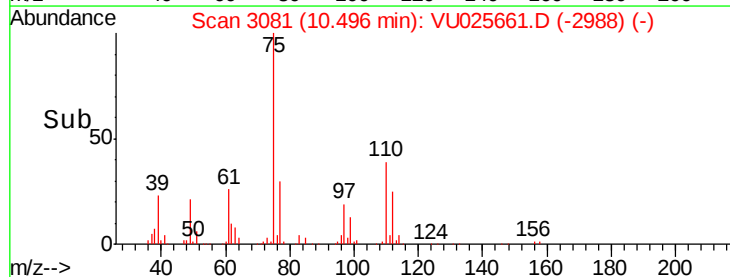
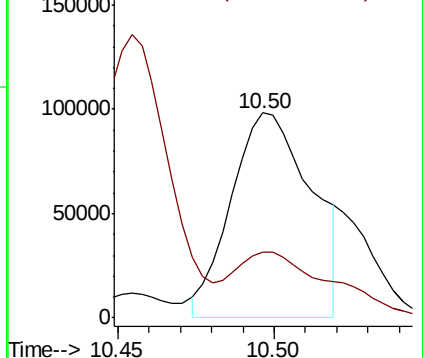
75 100

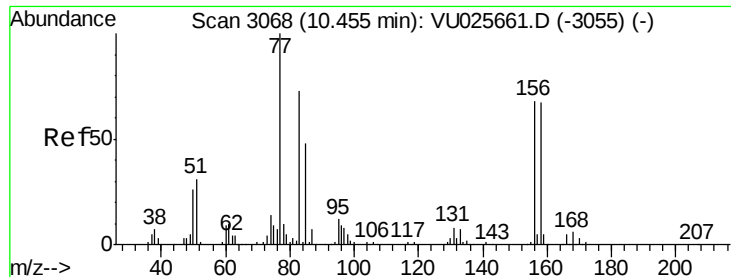
77 37.6 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3074) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-3074) (-)





#77

Bromobenzene

Concen: 47.58 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

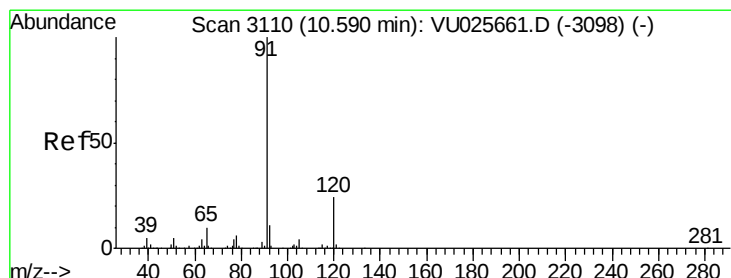
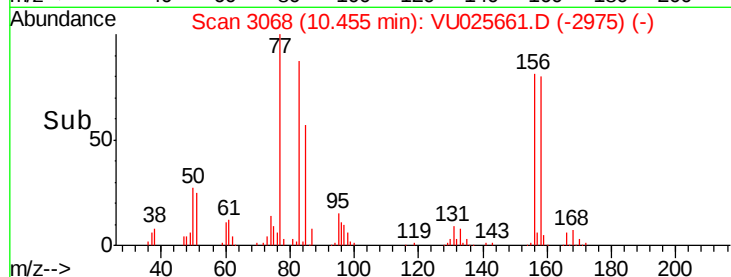
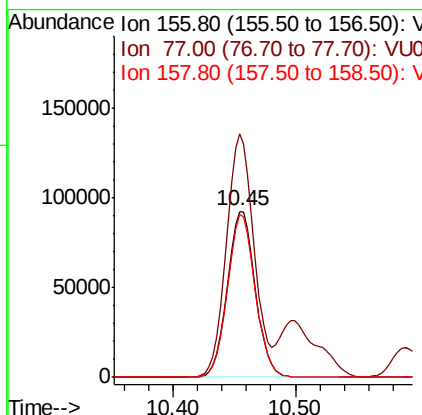
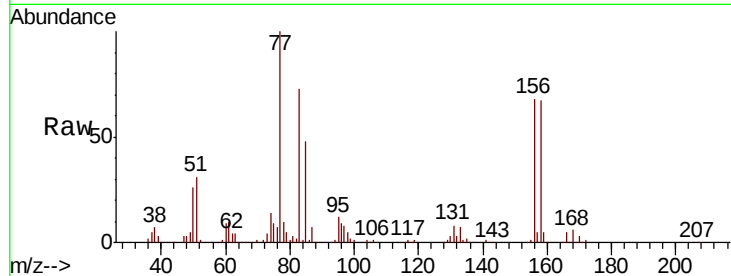
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	145.4	73.8	221.4	
158	97.1	48.0	144.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 48.46 ug/l

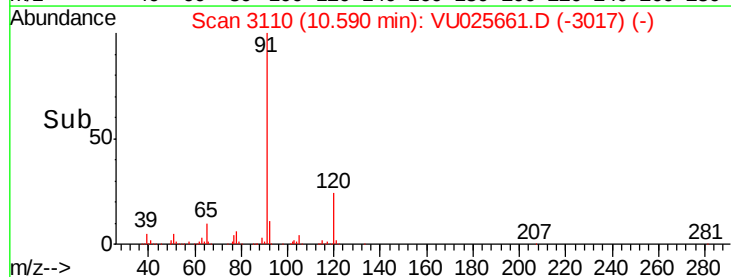
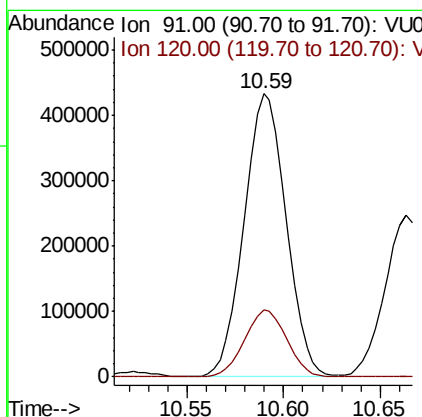
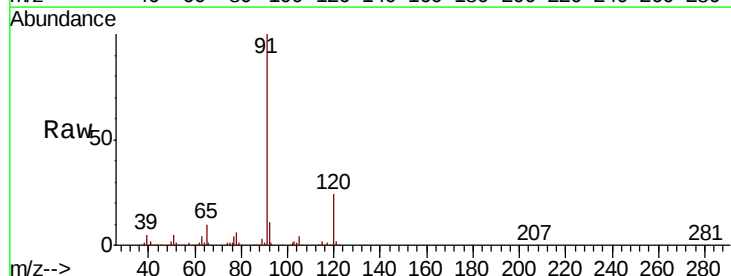
RT: 10.59 min Scan# 3110

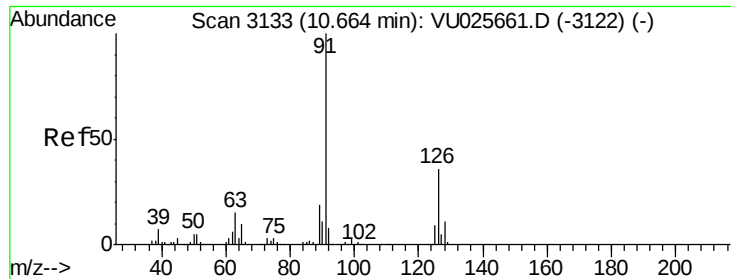
Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.8	35.3	





#79

2-Chlorotoluene

Concen: 45.00 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 380508

Ion Ratio Lower Upper

91 100

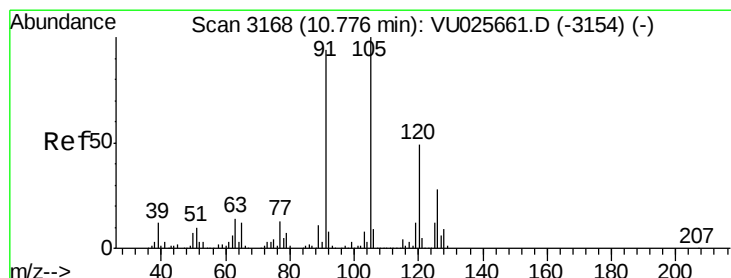
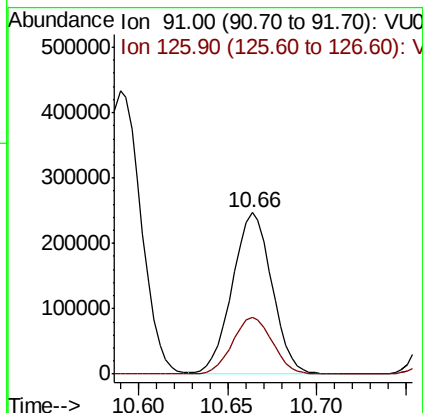
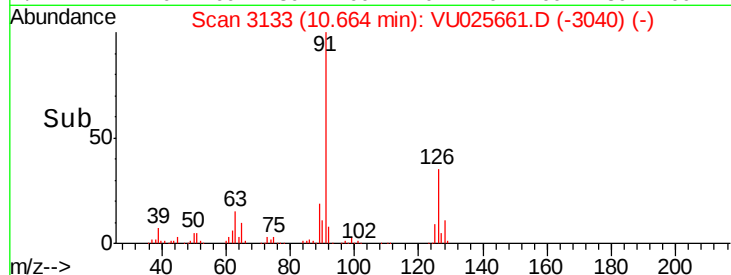
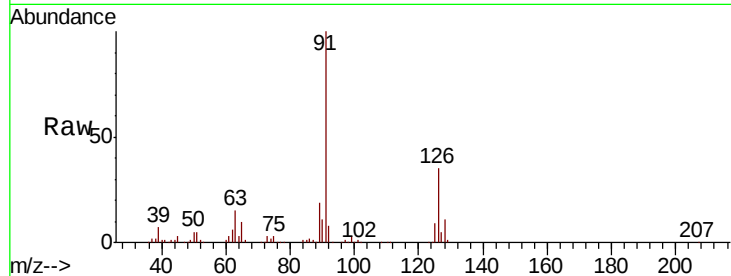
126 35.7 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.25 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025661.D

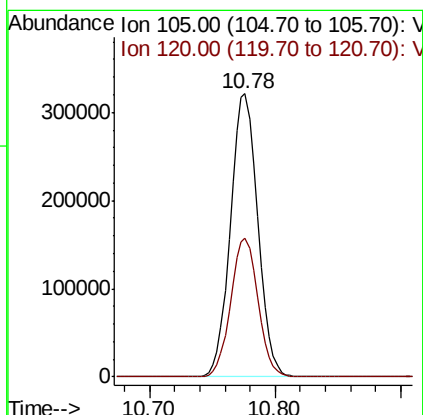
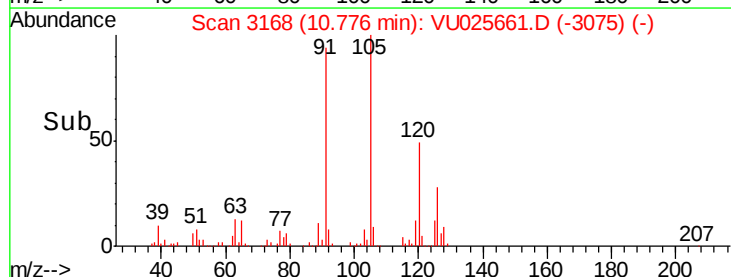
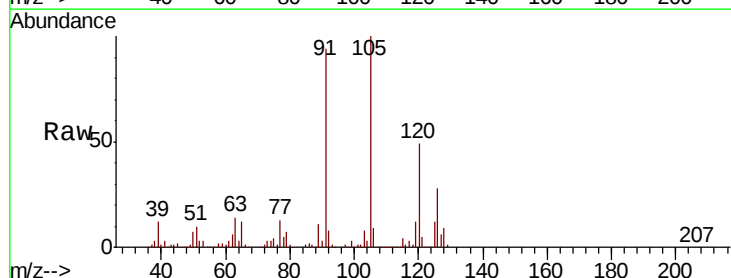
Acq: 27 Jul 2018 11:04

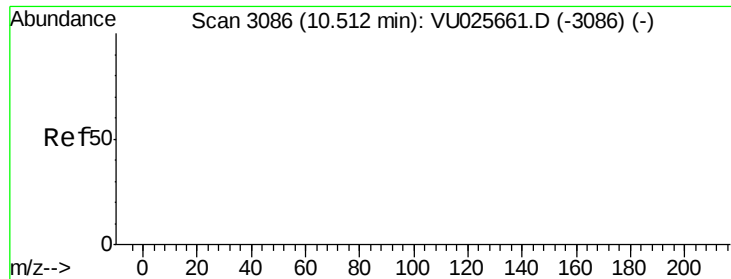
Tgt Ion: 105 Resp: 484156

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





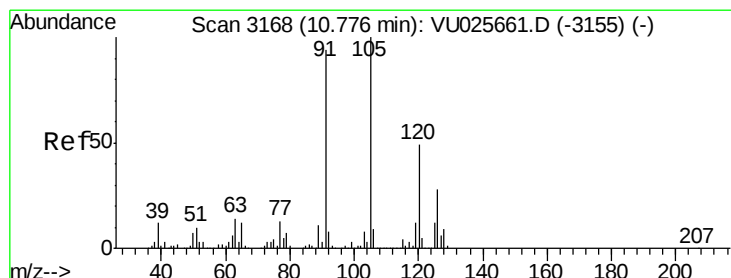
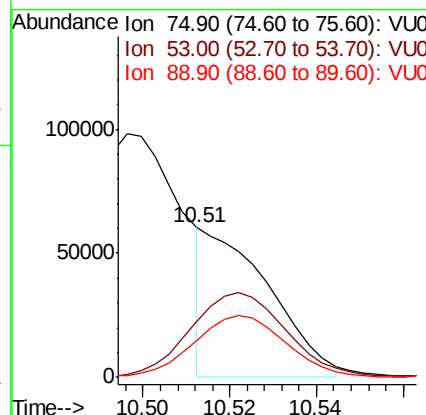
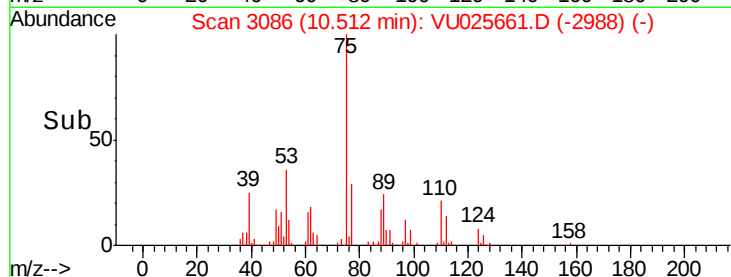
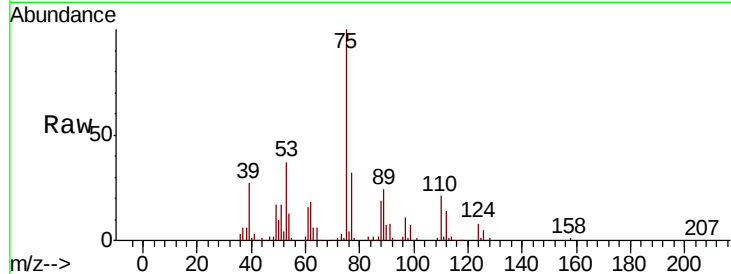
#81
trans-1,4-Dichloro-2-butene
Concen: 48.95 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

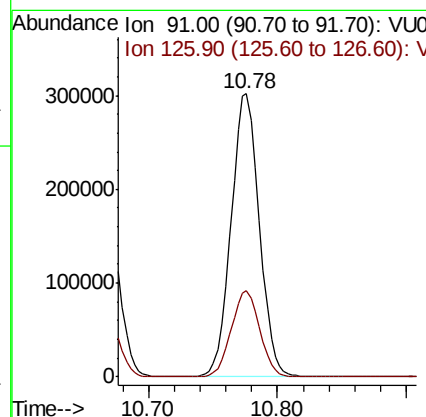
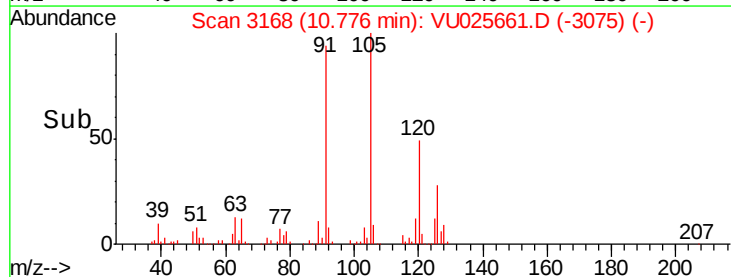
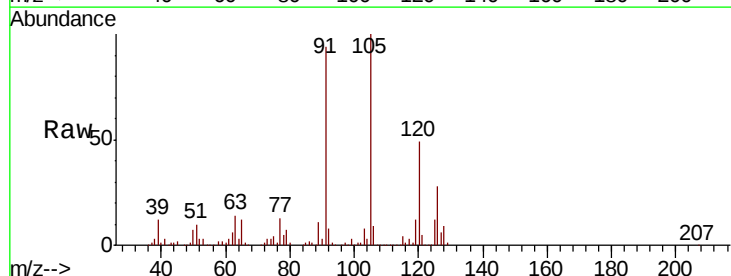
Manual Integrations
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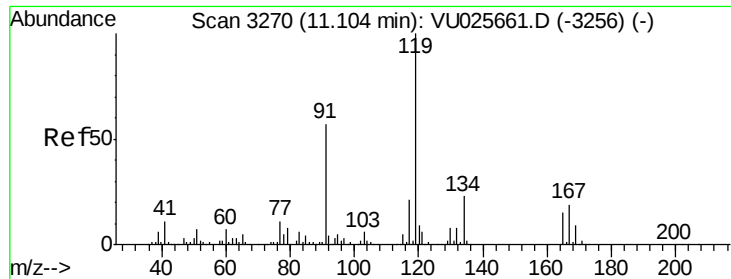
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.63 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.9





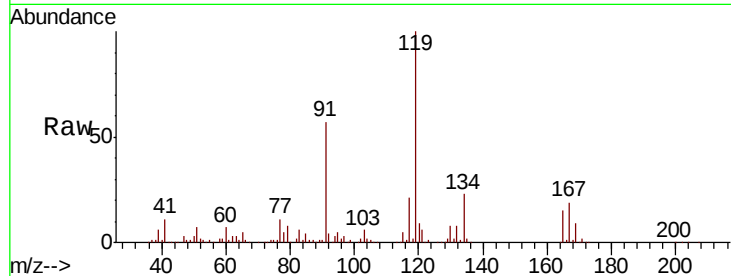
#83
 tert-Butylbenzene
 Concen: 44.96 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

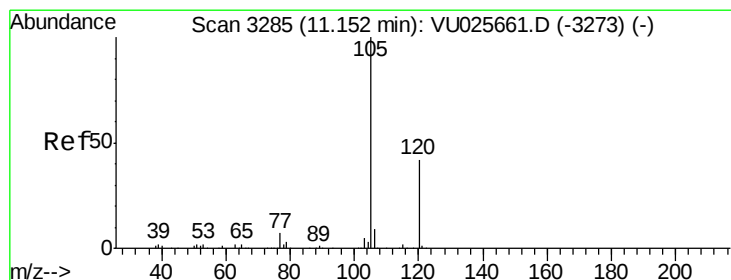
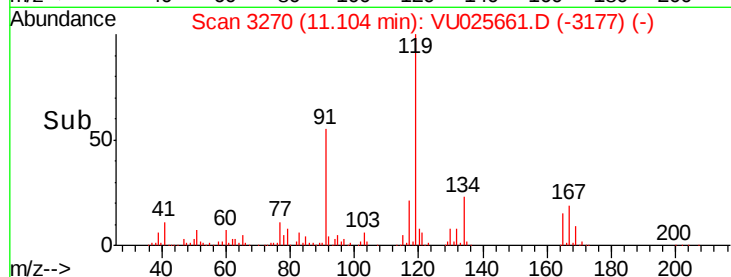
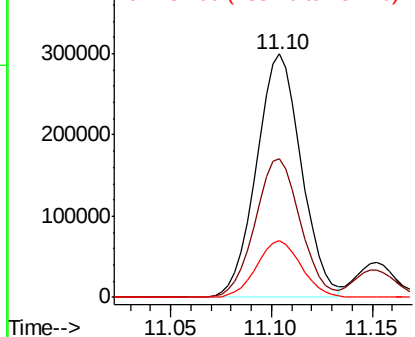
Tot Ion	Ratio	Resp	Lower	Upper
119	100	465480		
91	57.6	29.7	89.1	
134	23.1	11.5	34.5	

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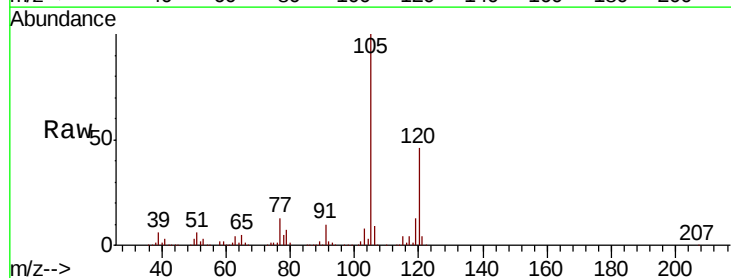


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

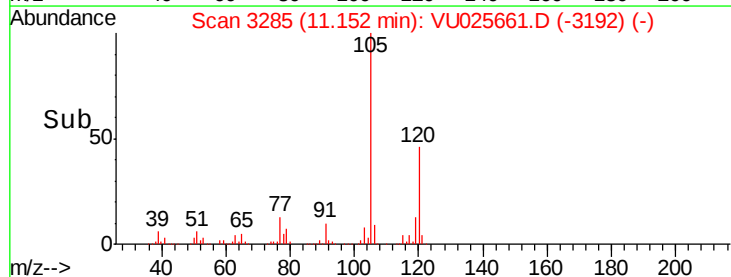
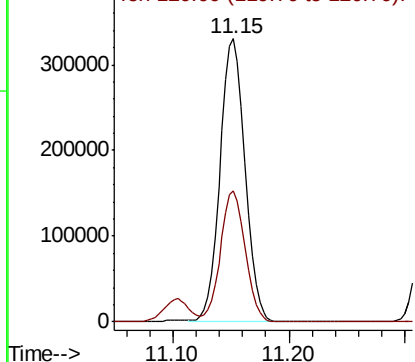


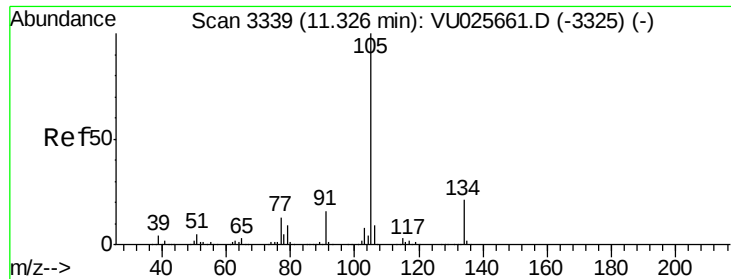
#84
 1,2,4-Trimethylbenzene
 Concen: 47.08 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	494379		
120	45.6	22.3	66.8	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.77 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 582442

Ion Ratio Lower Upper

105 100

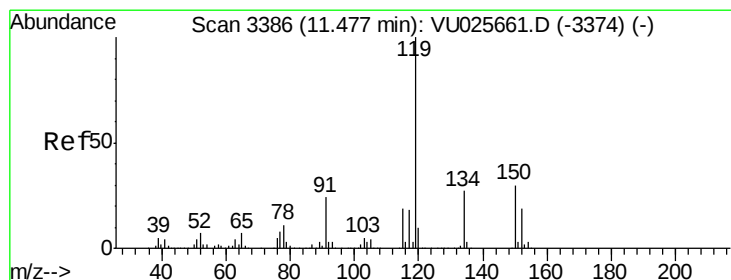
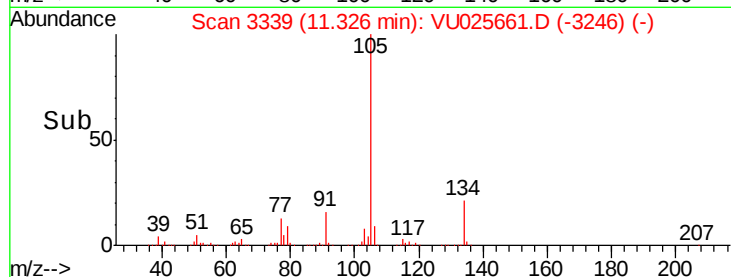
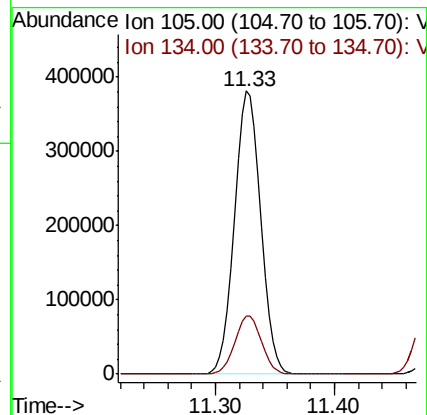
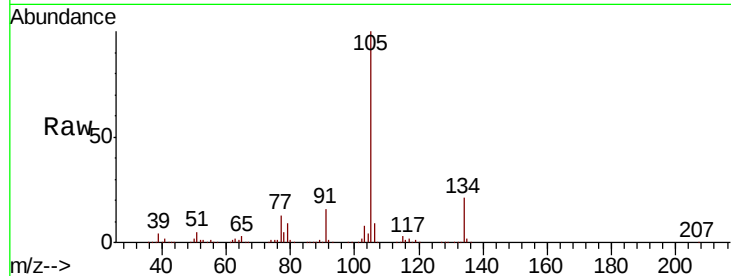
134 20.8 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.82 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

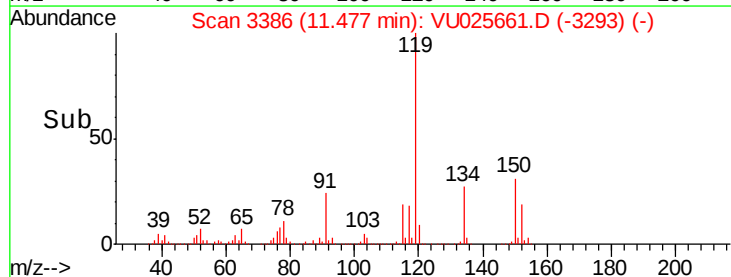
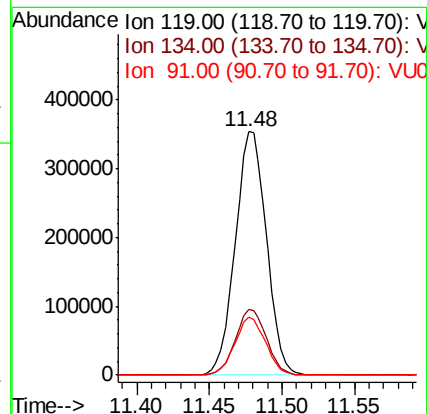
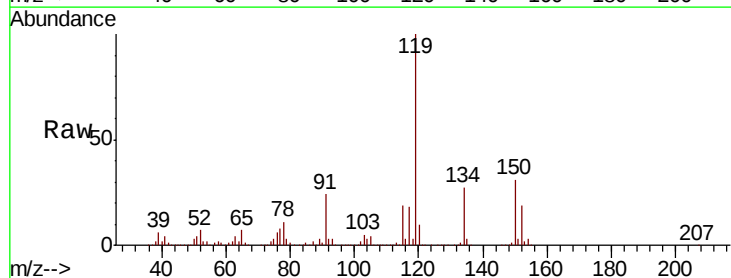
Tgt Ion:119 Resp: 526987

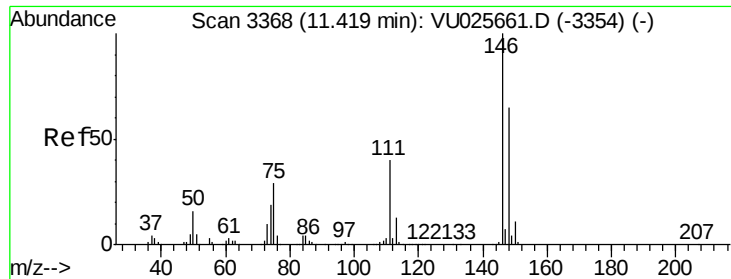
Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

91 23.5 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 48.98 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

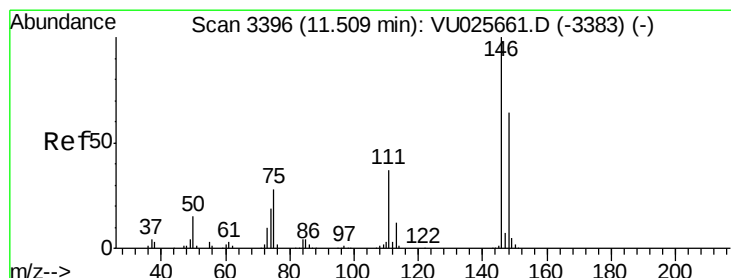
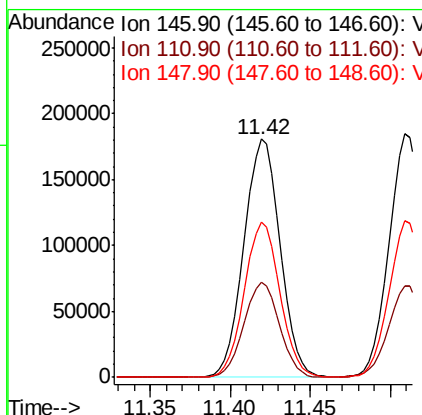
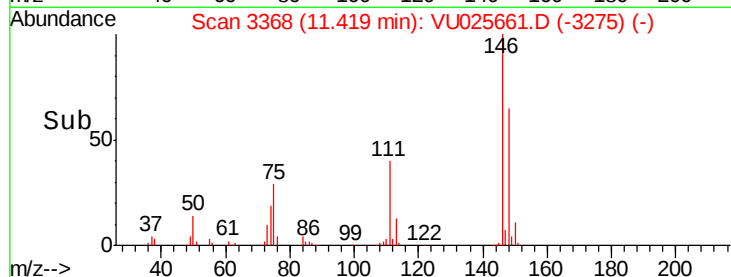
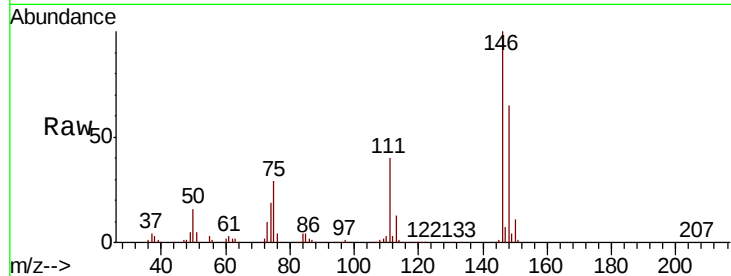
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	278879
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.7	59.1
148	64.0	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.47 ug/l

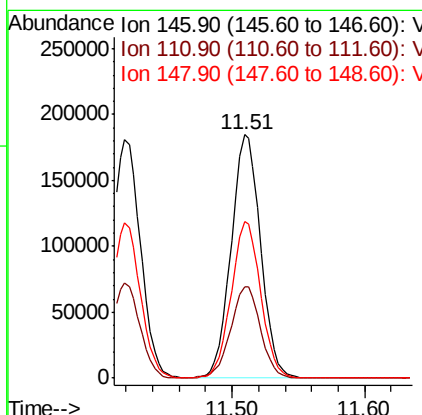
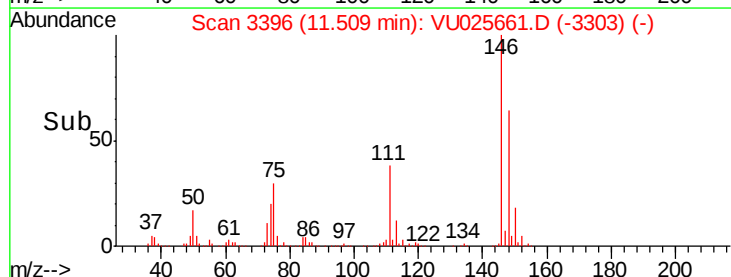
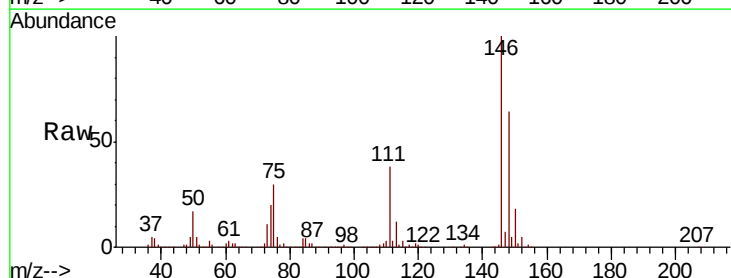
RT: 11.51 min Scan# 3396

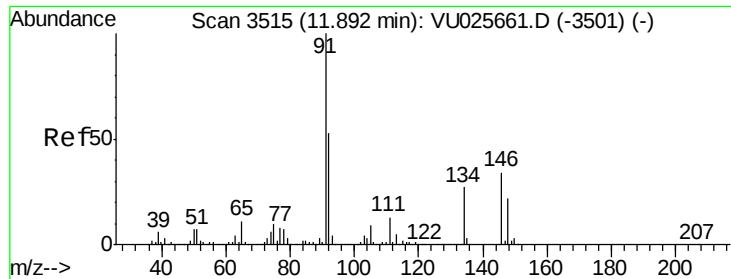
Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Tgt Ion:	146	Resp:	283433
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.4	58.1
148	64.6	31.7	95.1





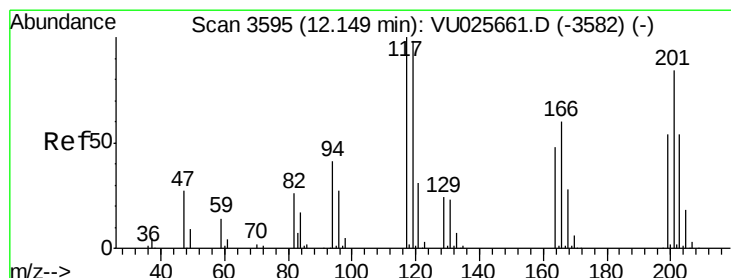
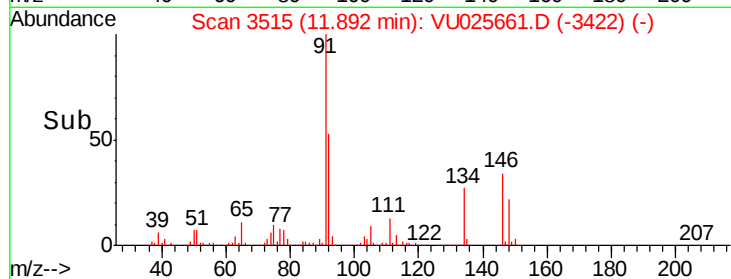
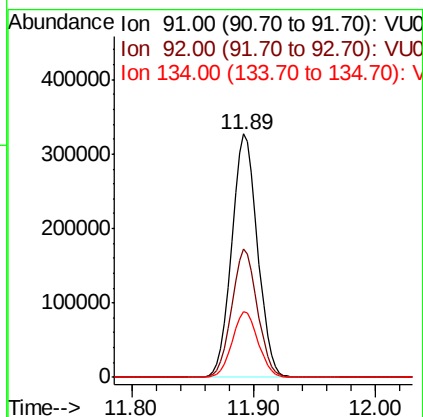
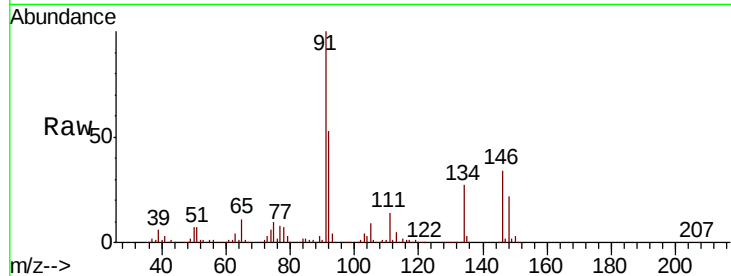
#89
n-Butylbenzene
Concen: 54.20 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.5
134	27.0	13.6	40.7

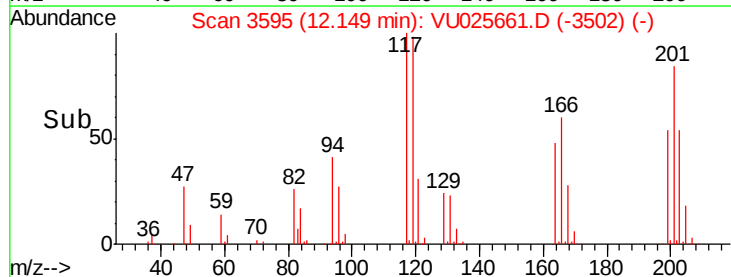
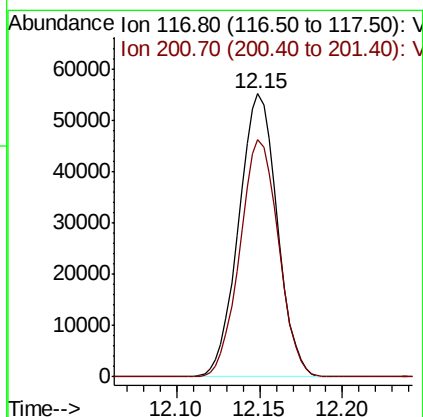
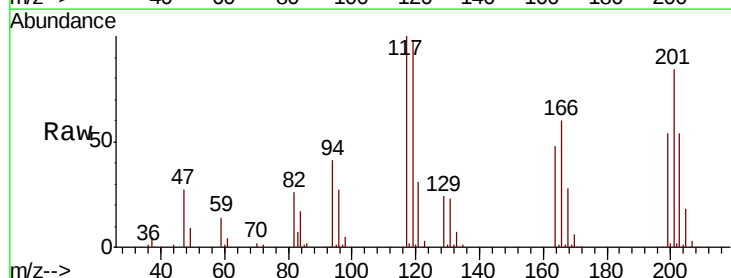
Manual Integrations
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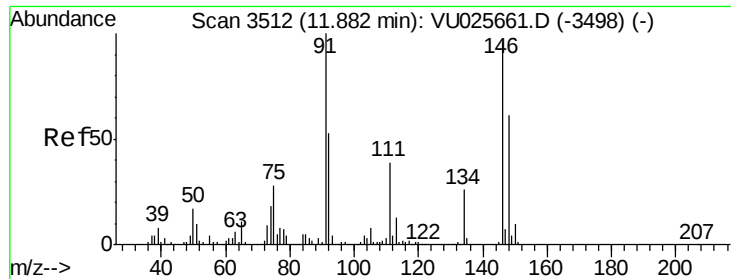
MMDadoda
7/31/2018 3:48:01 PM



#90
Hexachloroethane
Concen: 48.82 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025661.D
Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.5	127.6





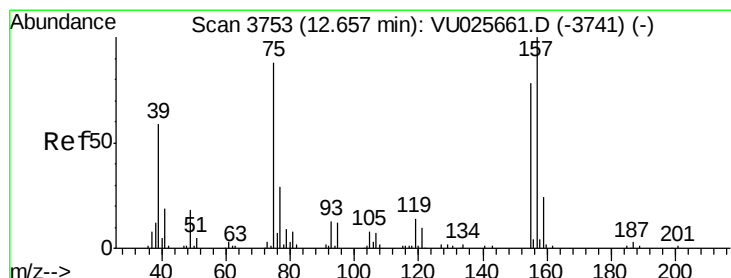
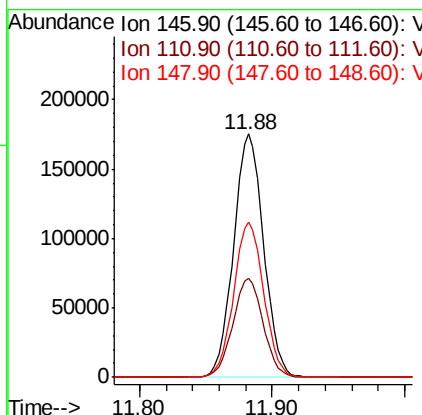
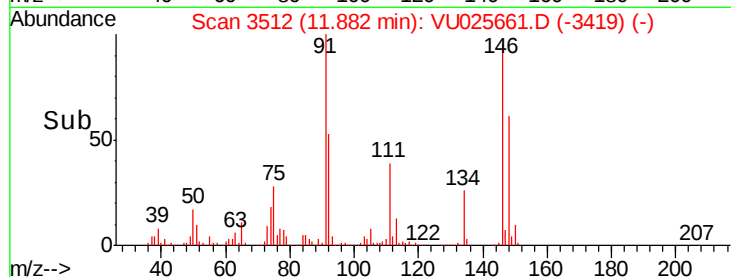
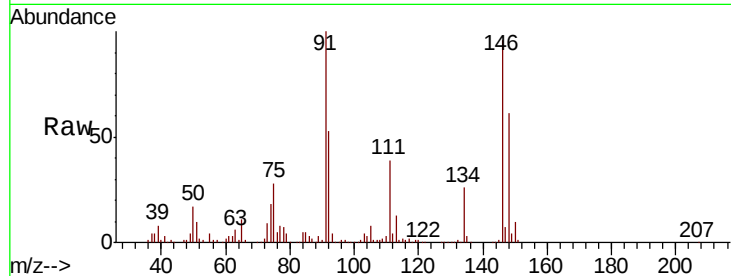
#91
 1,2-Dichlorobenzene
 Concen: 48.00 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.8
148	63.5	31.5	94.5

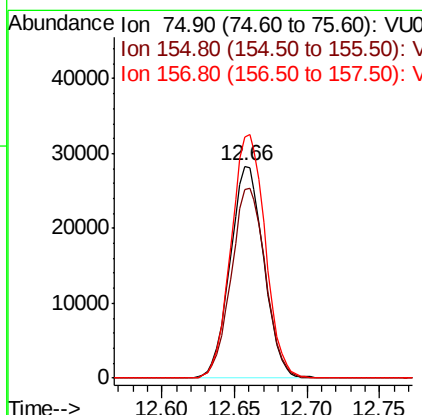
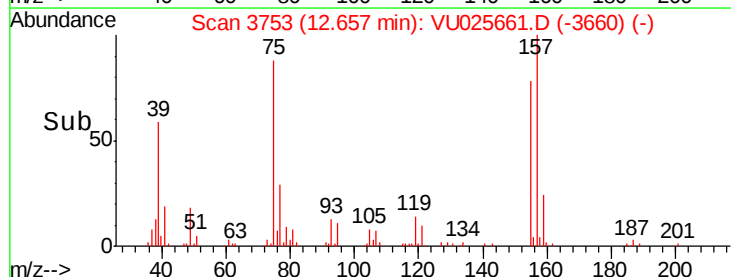
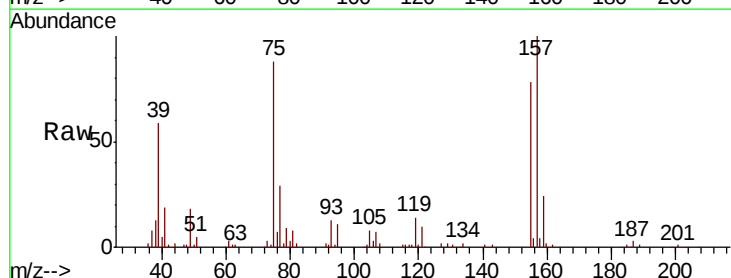
Manual Integrations
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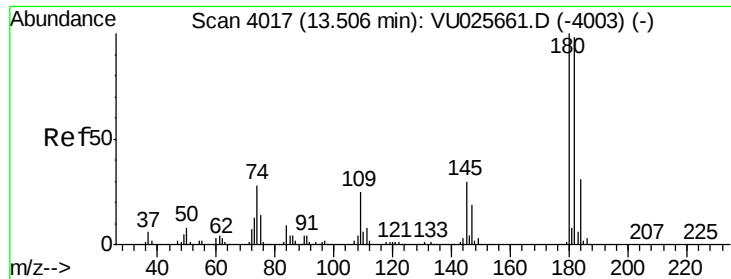
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.14 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	44.5	133.3
157	116.2	57.0	170.8





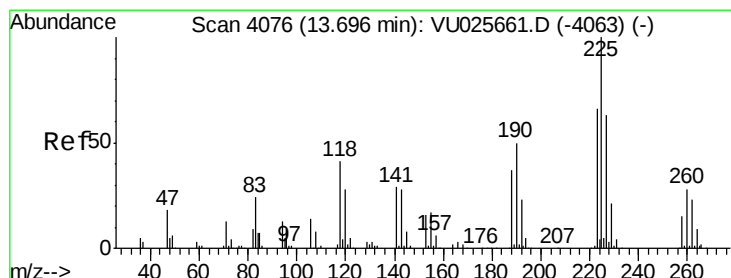
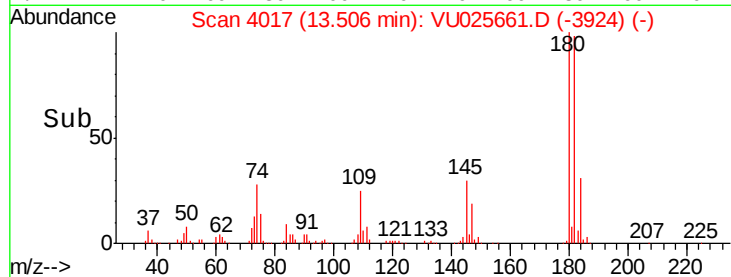
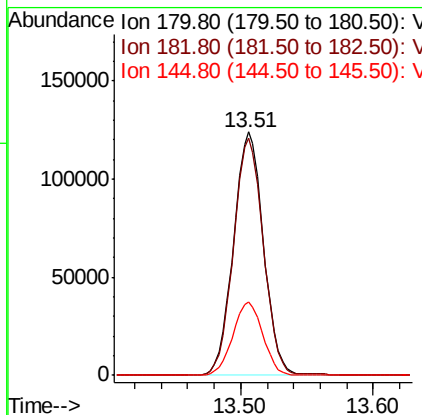
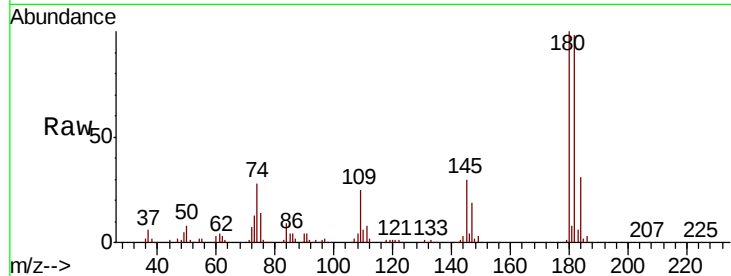
#93
 1,2,4-Trichlorobenzene
 Concen: 51.54 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194162		
182	97.8	47.3	141.9	
145	30.2	14.9	44.7	

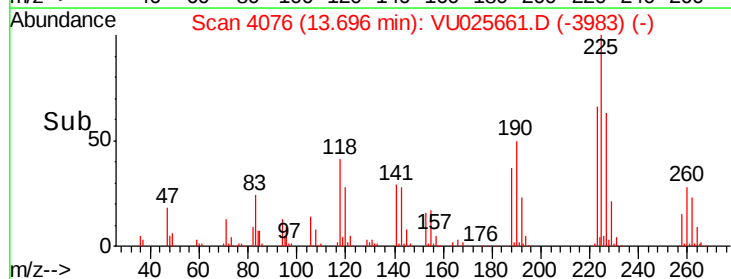
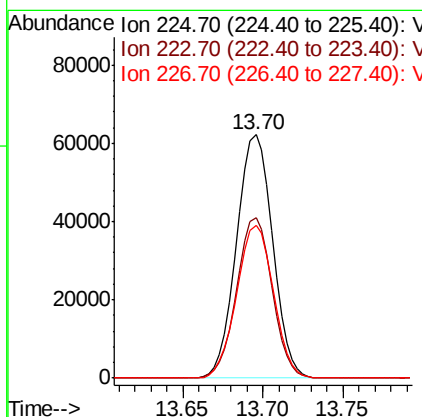
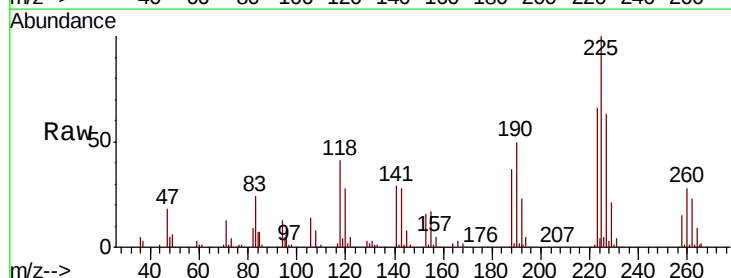
Manual Integrations
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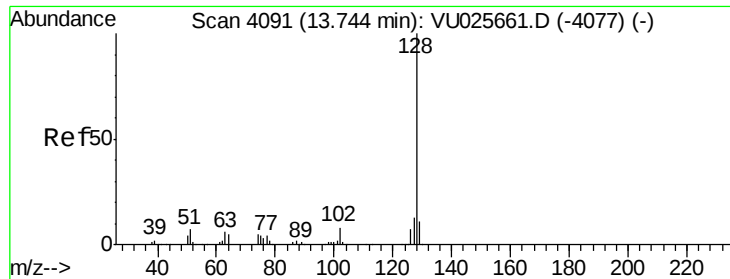
MMDadoda
 7/31/2018 3:48:01 PM



#94
 Hexachlorobutadiene
 Concen: 46.48 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025661.D
 Acq: 27 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95575		
223	64.8	31.9	95.7	
227	63.6	32.3	96.9	





#95

Naphthalene

Concen: 45.11 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 584632

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

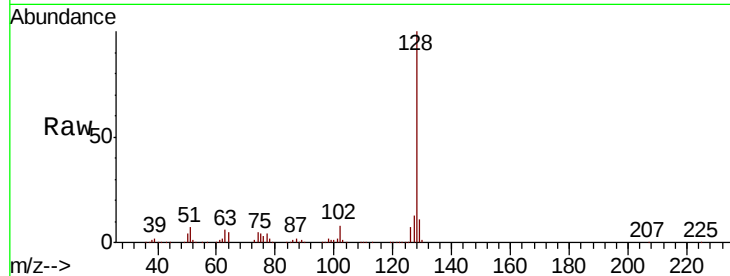
129 10.7 8.3 12.5

Manual Integrations

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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

500000

400000

300000

200000

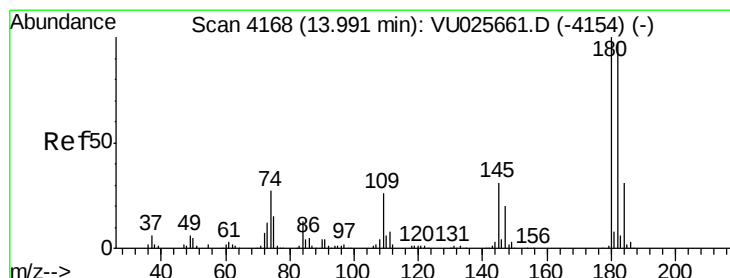
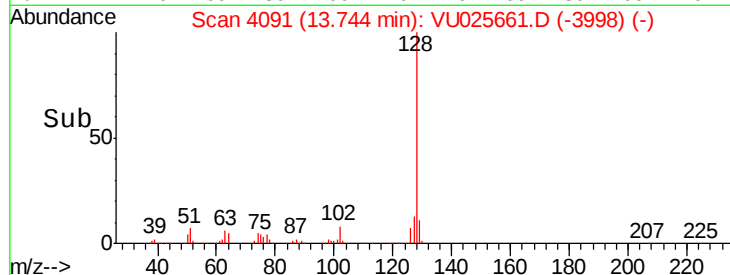
100000

0

13.74

13.70 13.80

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 48.47 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025661.D

Acq: 27 Jul 2018 11:04

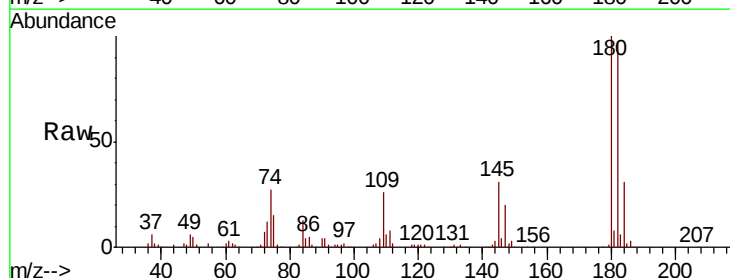
Tgt Ion:180 Resp: 196902

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

145 31.3 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

150000

100000

50000

0

13.99

13.90 14.00 14.10

Time-->

