

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025682.D
 Acq On : 27 Jul 2018 20:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:49:42 PM

Quant Time: Jul 28 05:23:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	265582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166753	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	137509	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	4.89	113	113813	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	7.57	98	403451	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	10.31	95	156306	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	136052	51.42	ug/l	100
3) Chloromethane	1.33	50	120075	47.48	ug/l	100
4) Vinyl Chloride	1.40	62	114368	48.06	ug/l	100
5) Bromomethane	1.62	94	57396	49.38	ug/l	98
6) Chloroethane	1.69	64	66790	48.00	ug/l	100
7) Trichlorofluoromethane	1.88	101	164791	47.89	ug/l	99
8) Diethyl Ether	2.10	74	58276	46.81	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	94625	47.52	ug/l	99
10) Methyl Iodide	2.41	142	87294	47.52	ug/l	99
11) Tert butyl alcohol	2.83	59	154146	258.13	ug/l	99
12) 1,1-Dichloroethene	2.28	96	90386	48.09	ug/l	96
13) Acrolein	2.19	56	46471	214.59	ug/l	97
14) Allyl chloride	2.59	41	156106	46.22	ug/l	97
15) Acrylonitrile	2.94	53	312573	262.17	ug/l	98
16) Acetone	2.32	43	286386	215.36	ug/l	97
17) Carbon Disulfide	2.47	76	284610	46.79	ug/l	99
18) Methyl Acetate	2.62	43	173078	54.08	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	337393	49.53	ug/l	100
20) Methylene Chloride	2.70	84	108335	45.97	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	103478	47.63	ug/l	99
22) Diisopropyl ether	3.58	45	329182	49.46	ug/l	92
23) Vinyl Acetate	3.53	43	1435935	247.55	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192025	48.06	ug/l	99
25) 2-Butanone	4.27	43	448960	248.02	ug/l	100
26) 2,2-Dichloropropane	4.23	77	148506	40.89	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	117221	47.85	ug/l	97
28) Bromochloromethane	4.55	49	86643	48.50	ug/l	97
29) Tetrahydrofuran	4.64	42	280227	258.39	ug/l	100
30) Chloroform	4.68	83	202604	48.04	ug/l	99
31) Cyclohexane	5.00	56	167669	48.19	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	183578	48.35	ug/l	99
36) 1,1-Dichloropropene	5.14	75	148595	47.88	ug/l	98
37) Ethyl Acetate	4.38	43	161517	50.19	ug/l	98
38) Carbon Tetrachloride	5.14	117	169106	48.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	168262	47.31	ug/l	98
40) Benzene	5.39	78	430731	47.48	ug/l	98
41) Methacrylonitrile	4.54	41	90605	50.69	ug/l	99
42) 1,2-Dichloroethane	5.41	62	165897	47.49	ug/l	100
43) Isopropyl Acetate	5.55	43	262331	49.33	ug/l	100
44) Trichloroethene	6.19	130	122349	48.42	ug/l	99
45) 1,2-Dichloropropane	6.44	63	114513	48.40	ug/l	100
46) Dibromomethane	6.56	93	81337	47.44	ug/l	99
47) Bromodichloromethane	6.76	83	156245	47.78	ug/l	98
48) Methyl methacrylate	6.63	41	133910	51.38	ug/l	98
49) 1,4-Dioxane	6.62	88	65453	1031.92	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	847399	254.51	ug/l	99
52) Toluene	7.64	92	277835	49.29	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	178808	48.70	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	183155	48.56	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	112261	47.93	ug/l	98
56) Ethyl methacrylate	8.02	69	170440	50.93	ug/l	97
57) 1,3-Dichloropropane	8.25	76	189941	48.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	358157	236.72	ug/l	100
59) 2-Hexanone	8.36	43	673986	258.24	ug/l	99
60) Dibromochloromethane	8.48	129	133142	48.20	ug/l	100
61) 1,2-Dibromoethane	8.59	107	126674	48.63	ug/l	100
64) Tetrachloroethene	8.23	164	109707	48.10	ug/l	98
65) Chlorobenzene	9.12	112	318699	47.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	118764	49.14	ug/l	99
67) Ethyl Benzene	9.25	91	535042	48.35	ug/l	100
68) m/p-Xylenes	9.38	106	422193	99.38	ug/l	99
69) o-Xylene	9.78	106	204017	49.14	ug/l	98
70) Styrene	9.80	104	335006	49.95	ug/l	99
71) Bromoform	9.96	173	103286	49.29	ug/l #	100
73) Isopropylbenzene	10.17	105	552811	48.57	ug/l	99
74) N-amyl acetate	10.01	43	233986	50.36	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	187767	47.71	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	158846m	43.23	ug/l	
77) Bromobenzene	10.45	156	149323	47.57	ug/l	99
78) n-propylbenzene	10.59	91	648956	48.85	ug/l	99
79) 2-Chlorotoluene	10.66	91	378132	48.60	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	476734	49.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	134868m	92.04	ug/l	
82) 4-Chlorotoluene	10.78	91	449889	49.05	ug/l	98
83) tert-Butylbenzene	11.10	119	462108	48.12	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	485608	49.58	ug/l	98
85) sec-Butylbenzene	11.33	105	572007	48.78	ug/l	100
86) p-Isopropyltoluene	11.48	119	516784	49.22	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	278014	47.71	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	282506	46.51	ug/l	98
89) n-Butylbenzene	11.89	91	473074	48.83	ug/l	99
90) Hexachloroethane	12.15	117	89072	47.72	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	274770	48.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	47755	51.18	ug/l	99

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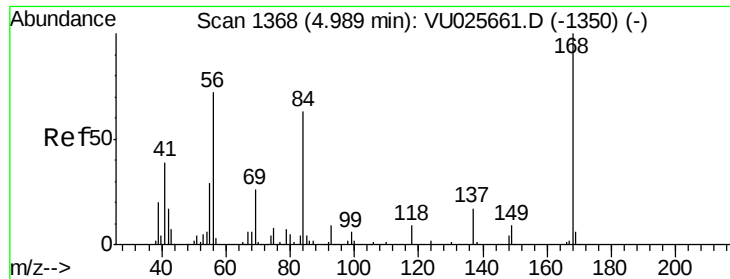
Manual Integrations
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7/31/2018 3:49:42 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	194412	50.43	ug/l	98
94) Hexachlorobutadiene	13.70	225	95672	47.08	ug/l	97
95) Naphthalene	13.74	128	601631	48.62	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	198643	51.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 175053

Ion Ratio Lower Upper

168 100

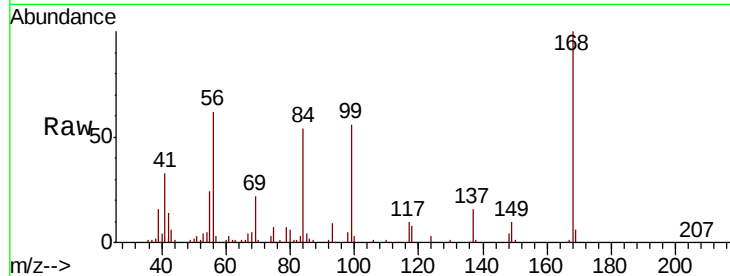
99 55.7 42.8 64.2

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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

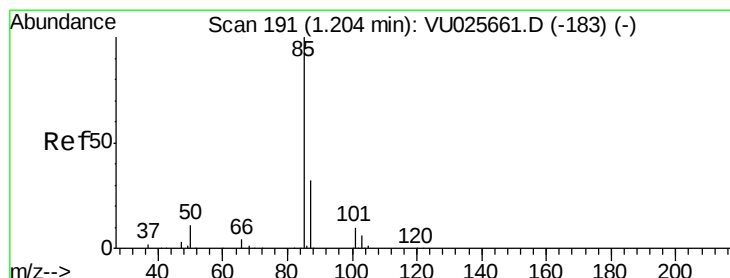
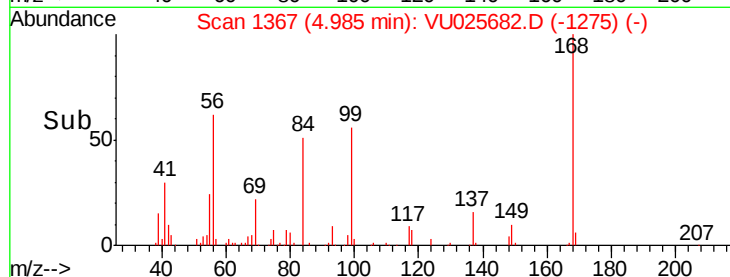
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.42 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025682.D

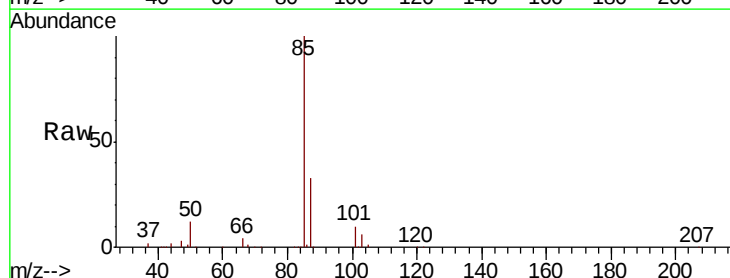
Acq: 27 Jul 2018 20:23

Tgt Ion: 85 Resp: 136052

Ion Ratio Lower Upper

85 100

87 32.8 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

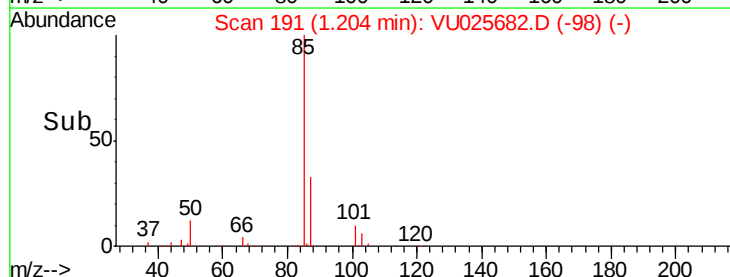
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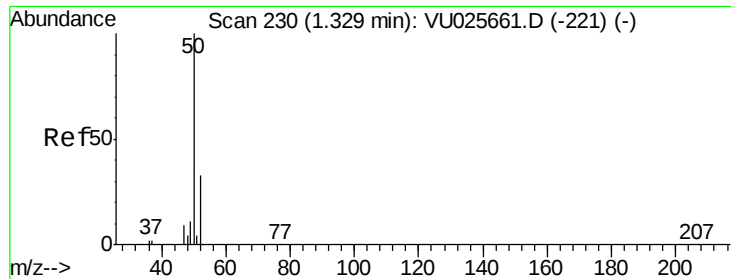
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.48 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 120075

Ion Ratio Lower Upper

50 100

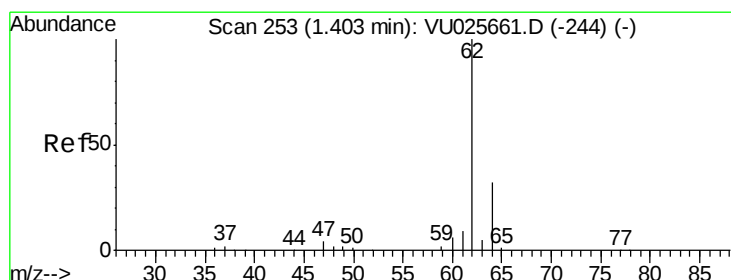
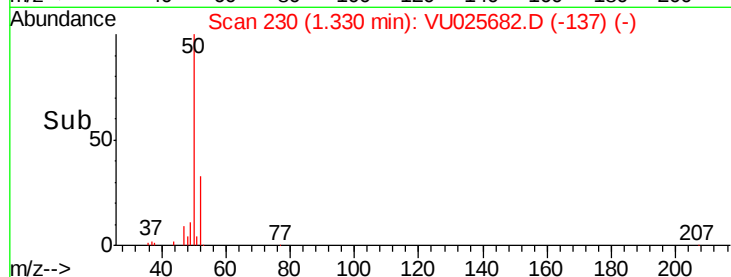
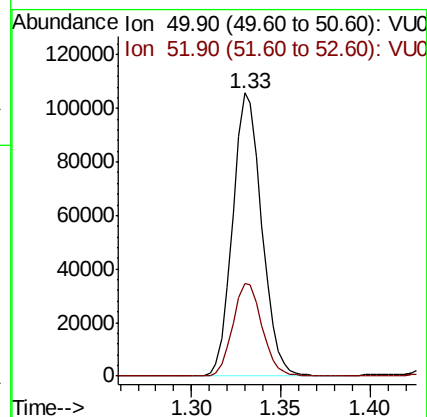
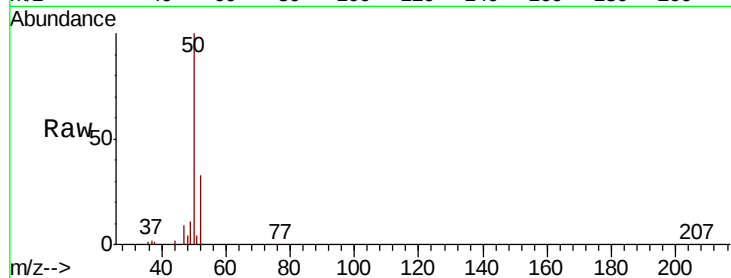
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.06 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025682.D

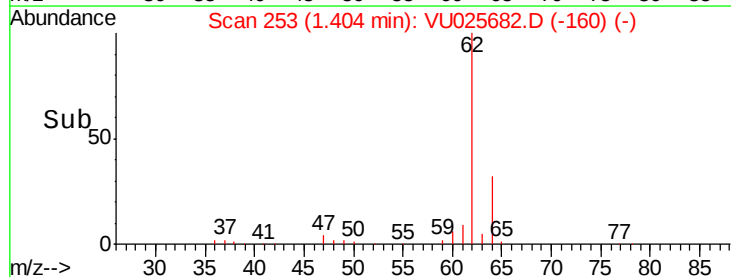
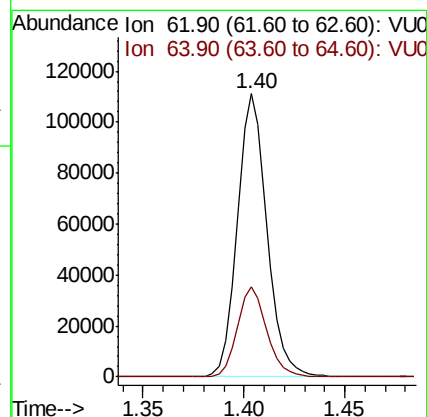
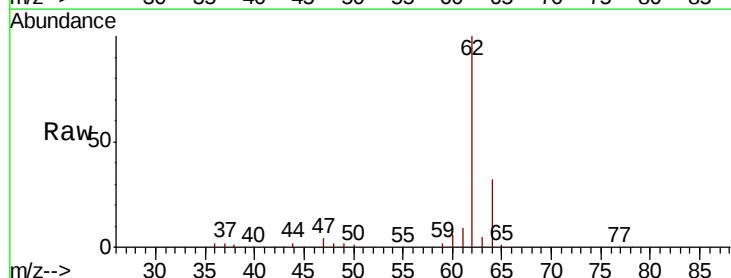
Acq: 27 Jul 2018 20:23

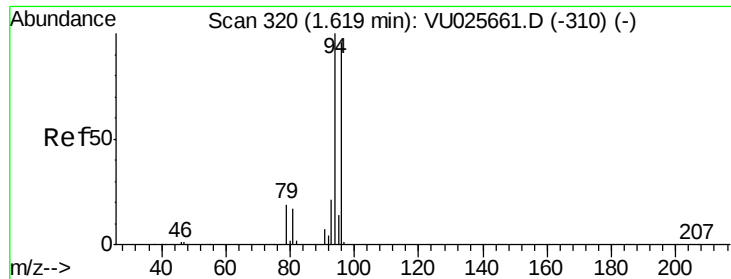
Tgt Ion: 62 Resp: 114368

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 49.38 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 57396

Ion Ratio Lower Upper

94 100

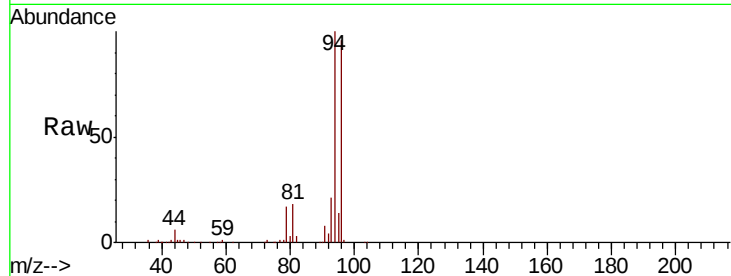
96 95.9 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.62

50000

40000

30000

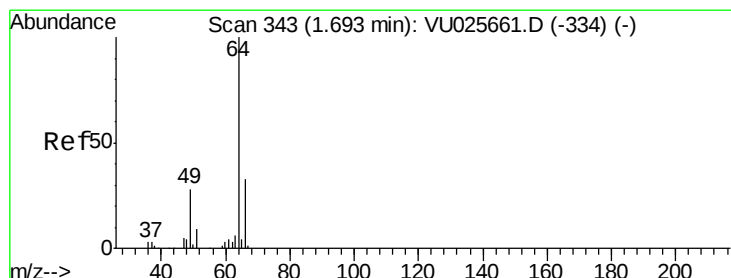
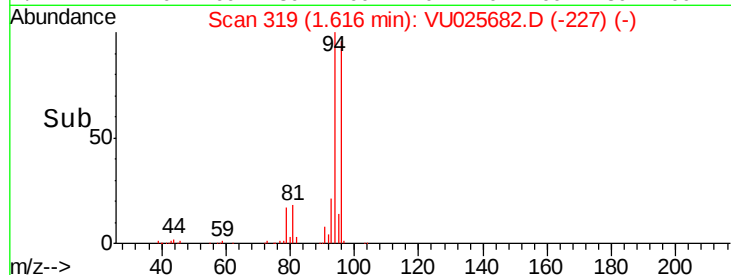
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10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 48.00 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025682.D

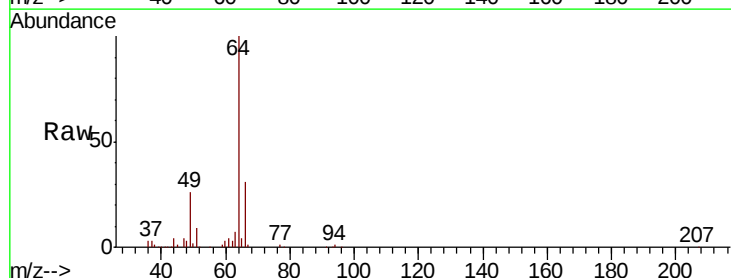
Acq: 27 Jul 2018 20:23

Tgt Ion: 64 Resp: 66790

Ion Ratio Lower Upper

64 100

66 31.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

60000

50000

40000

30000

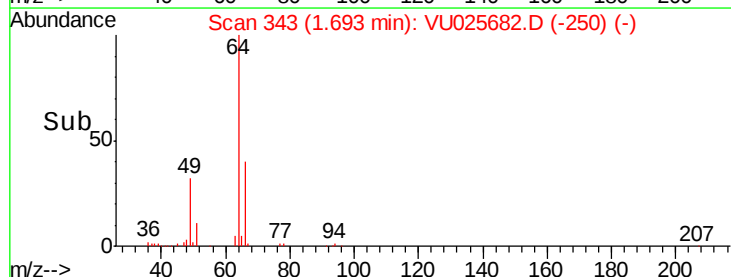
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10000

0

Time-->

1.65 1.70 1.75





#7

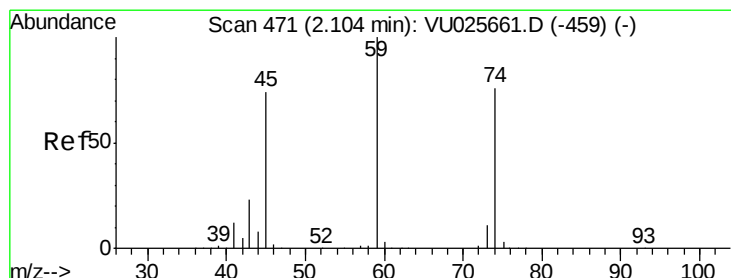
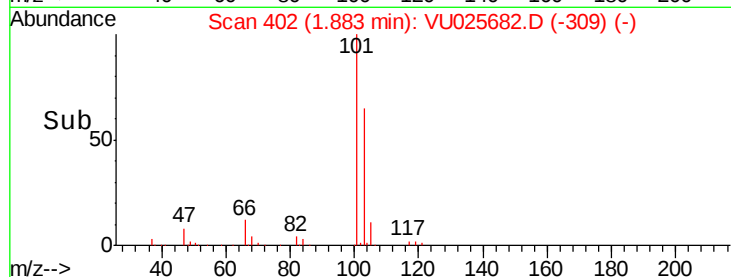
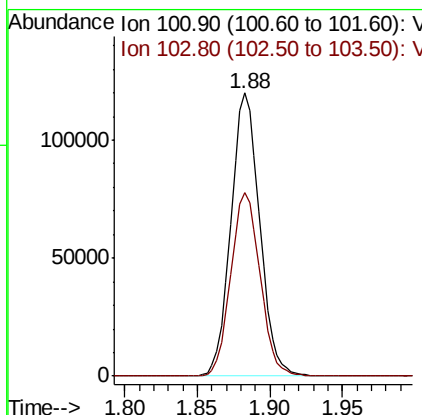
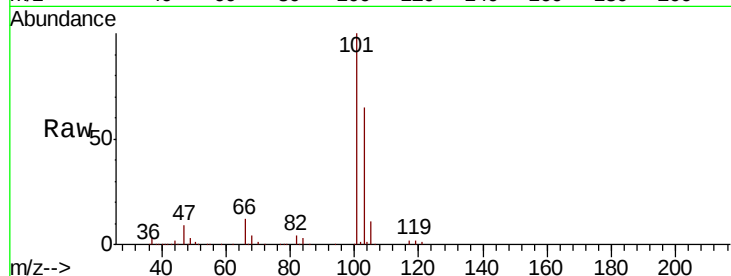
Trichlorofluoromethane
 Concen: 47.89 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

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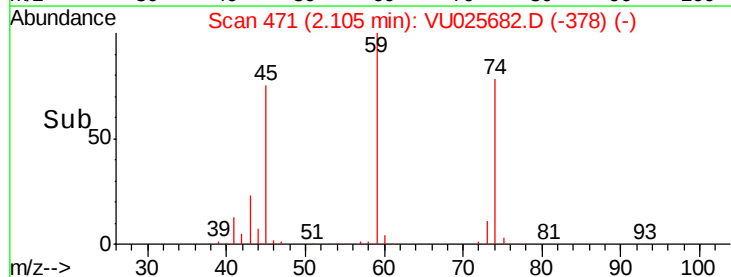
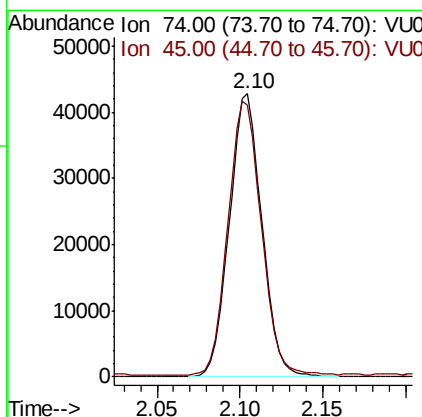
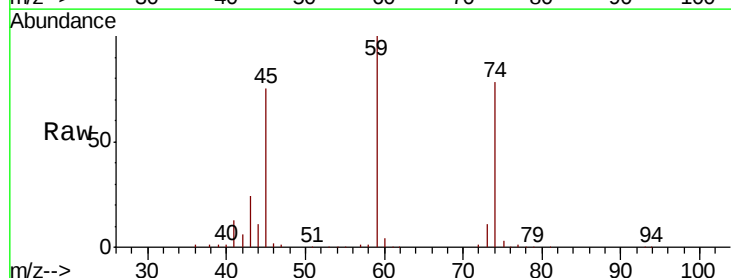
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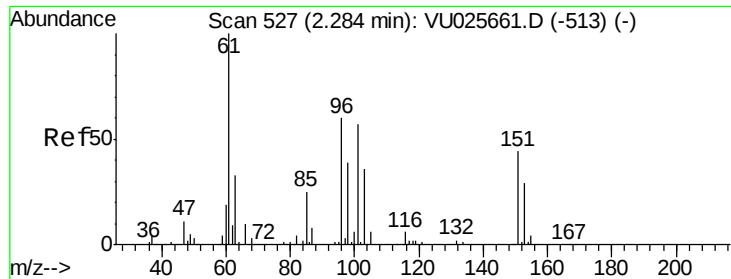


#8

Diethyl Ether
 Concen: 46.81 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.52 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

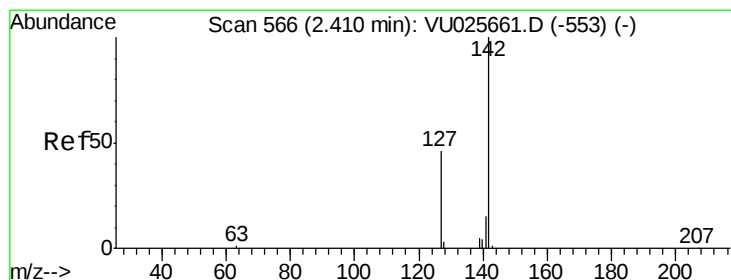
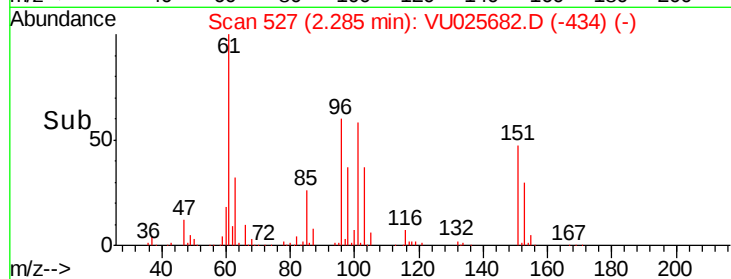
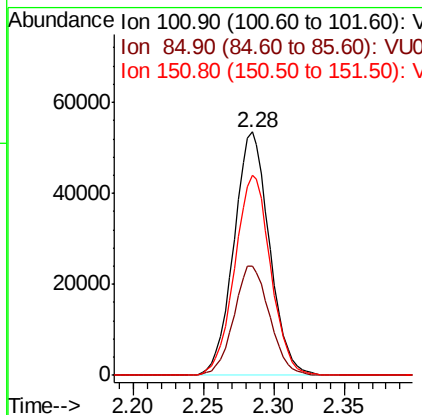
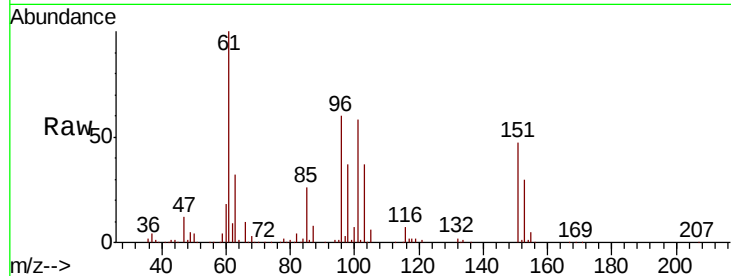
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	94625
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	82.8	65.6	98.4

Manual Integrations
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7/31/2018 3:49:42 PM



#10

Methyl Iodide

Concen: 47.52 ug/l

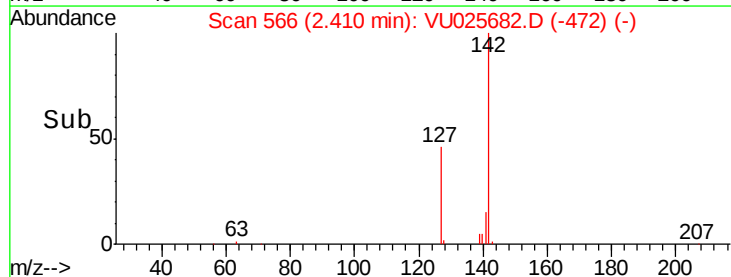
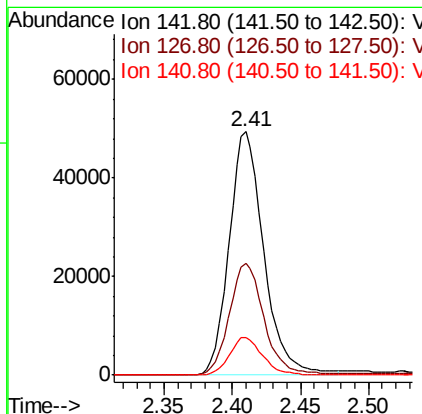
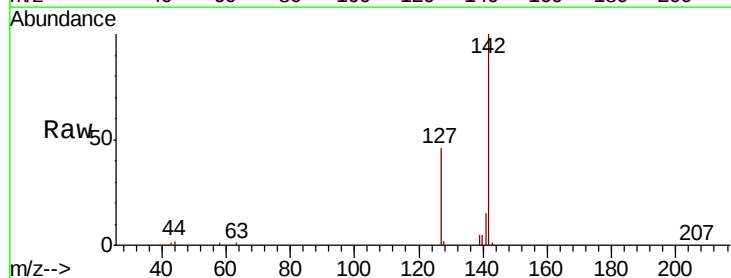
RT: 2.41 min Scan# 566

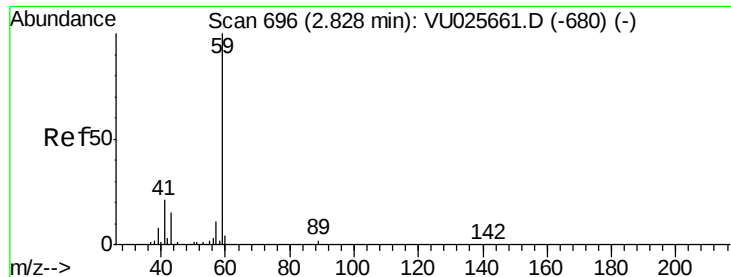
Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion:	142	Resp:	87294
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.5	54.7
141	14.9	11.4	17.2





#11

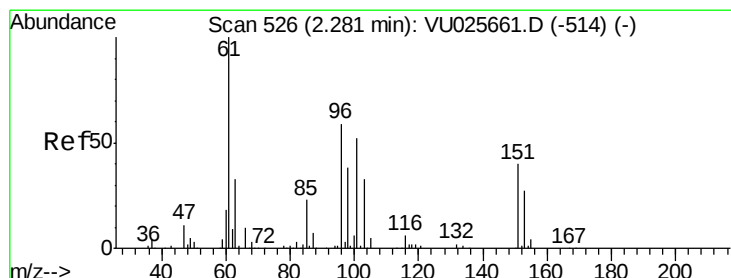
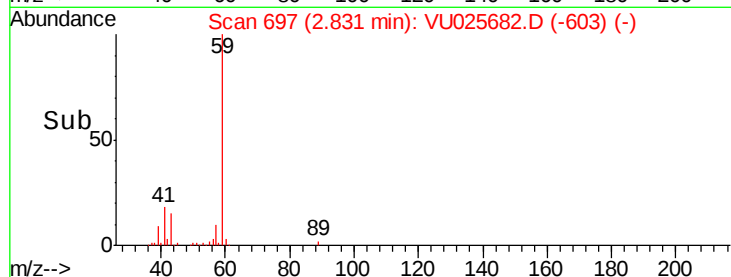
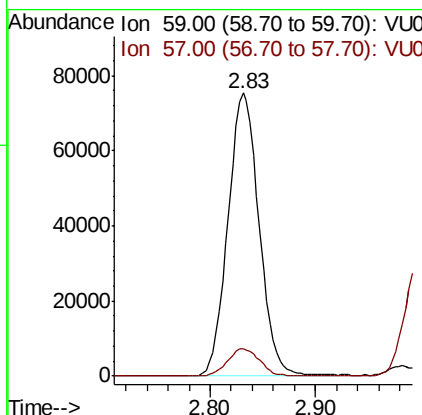
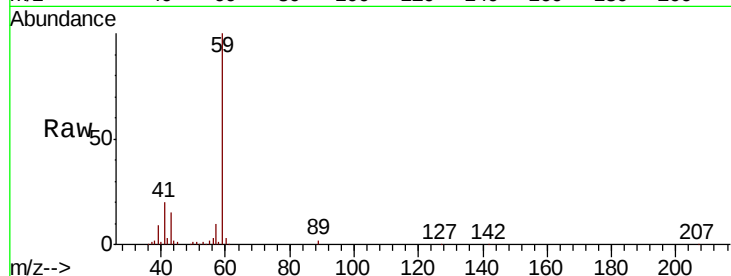
Tert butyl alcohol
 Concen: 258.13 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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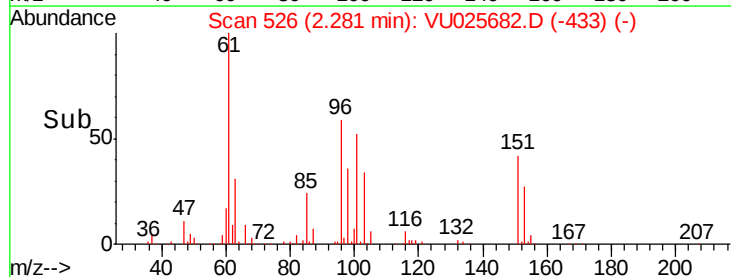
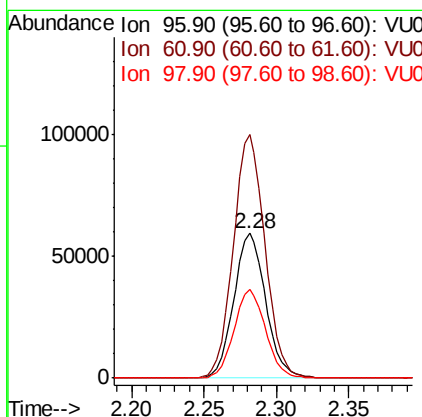
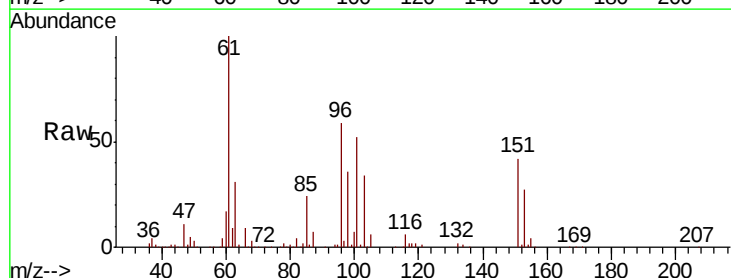
MMDadoda
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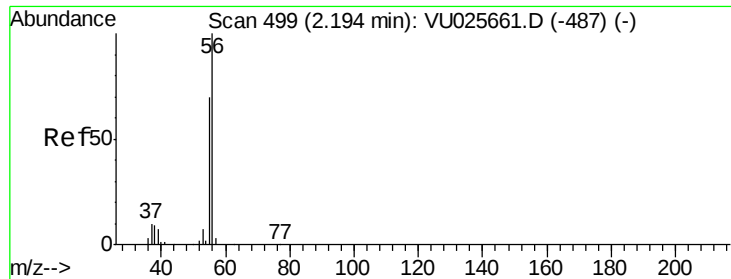


#12

1,1-Dichloroethene
 Concen: 48.09 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.4	140.2	210.4
98	61.0	49.3	73.9





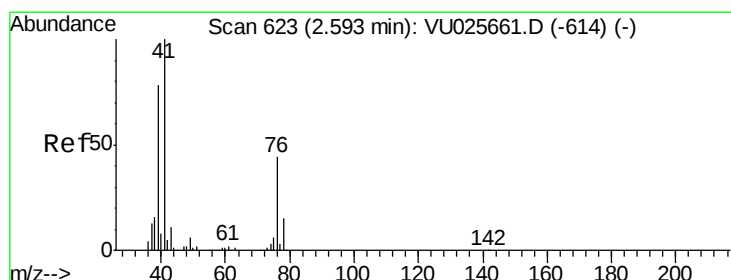
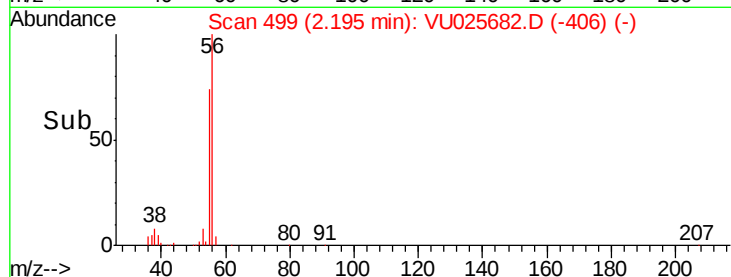
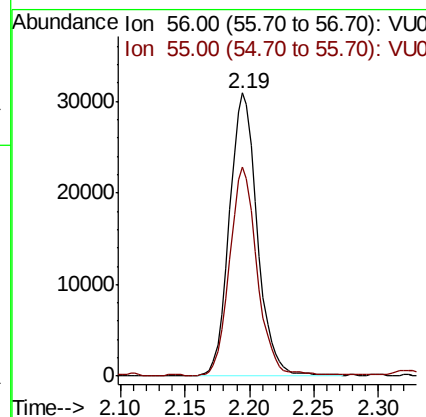
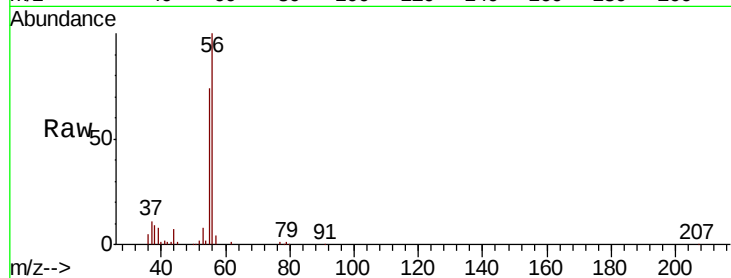
#13
Acrolein
Concen: 214.59 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	46471
Ion Ratio	100	Lower	Upper
55	73.9	57.2	85.8

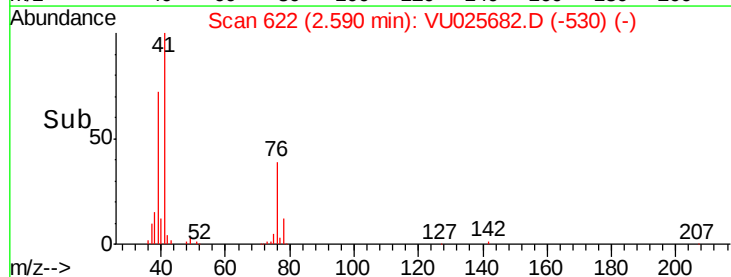
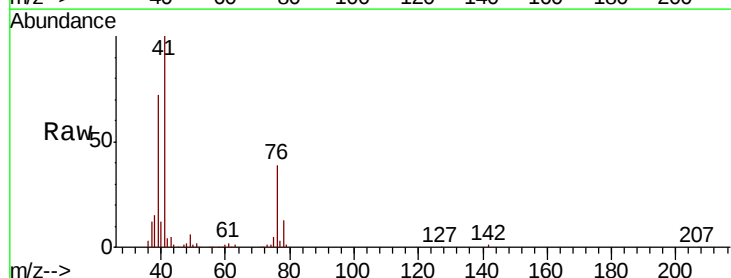
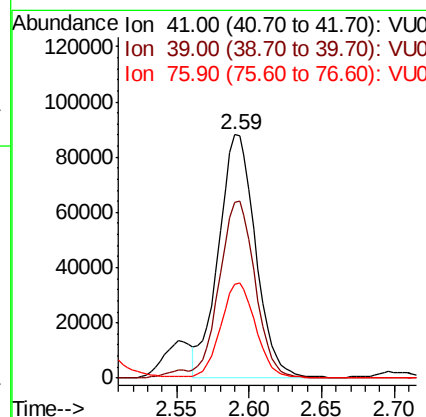
Manual Integrations
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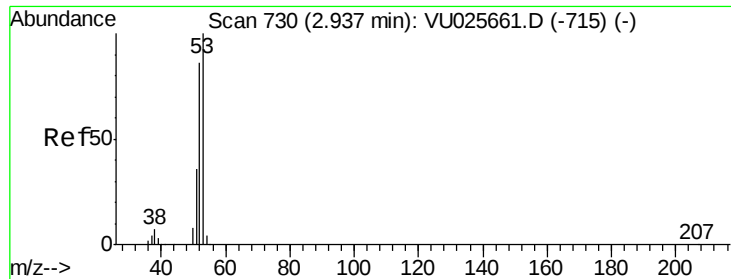
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#14
Allyl chloride
Concen: 46.22 ug/l
RT: 2.59 min Scan# 622
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	41	Resp	156106
Ion Ratio	100	Lower	Upper
39	72.9	60.6	91.0
76	37.0	30.5	45.7





#15

Acrylonitrile

Concen: 262.17 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

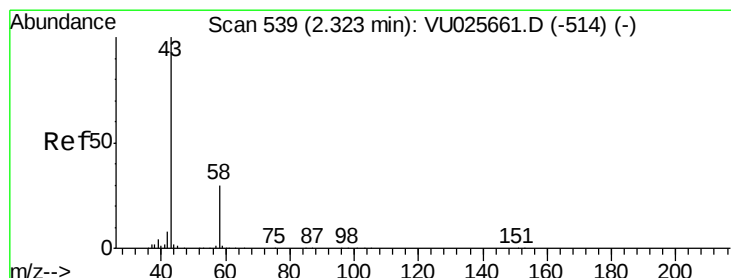
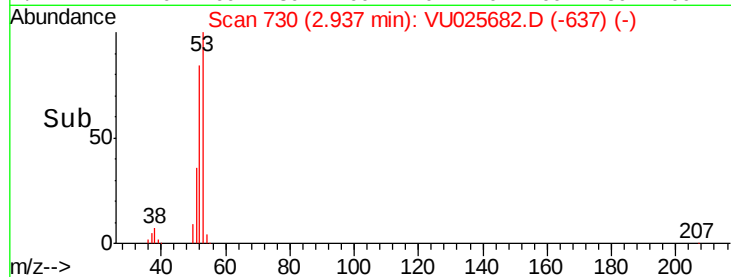
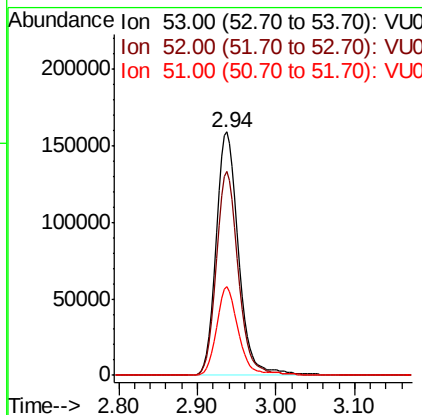
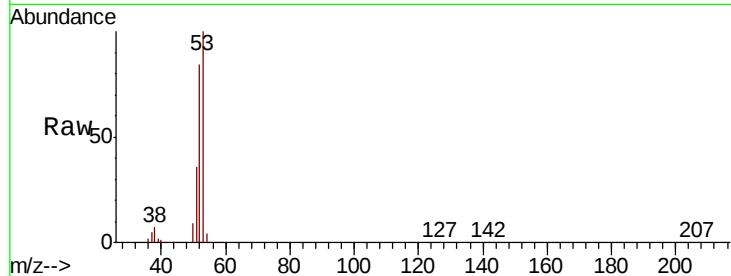
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	312573
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.6	99.8
51	34.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 215.36 ug/l

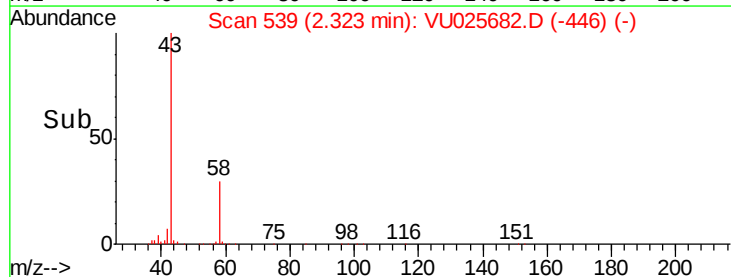
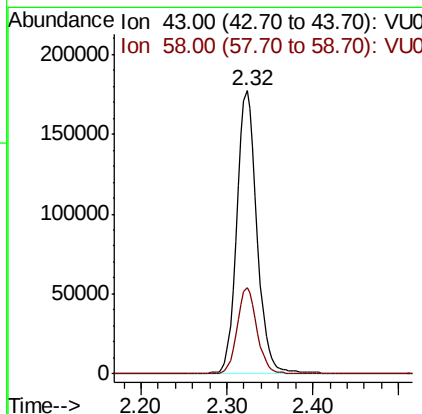
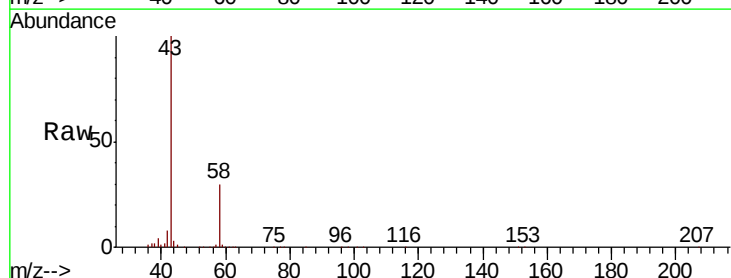
RT: 2.32 min Scan# 539

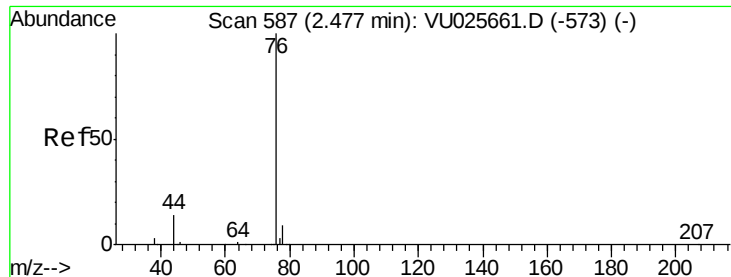
Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion:	43	Resp:	286386
Ion Ratio	Lower	Upper	
43	100		
58	30.3	23.1	34.7





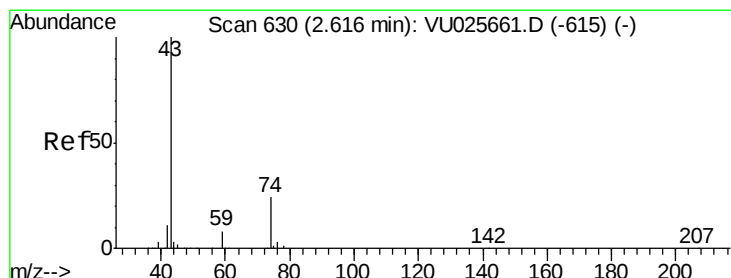
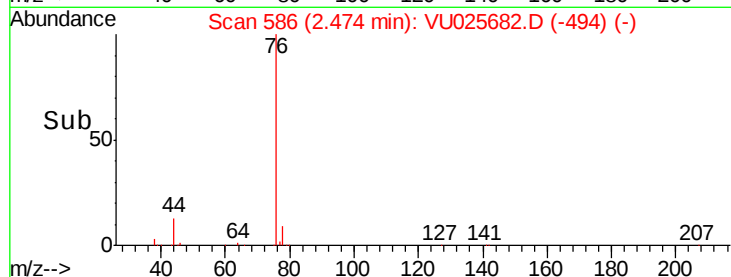
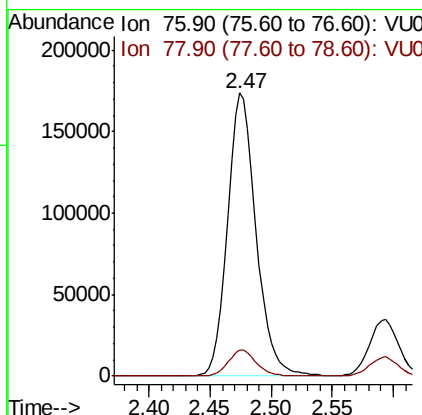
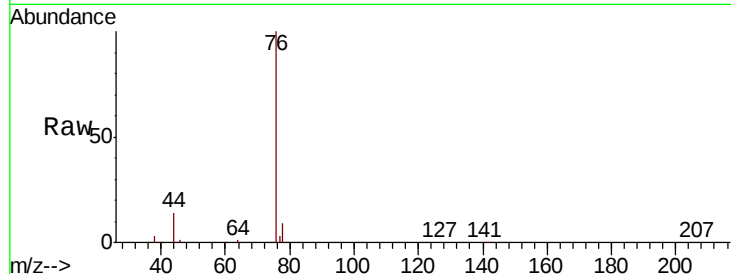
#17
Carbon Disulfide
Concen: 46.79 ug/l
RT: 2.47 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

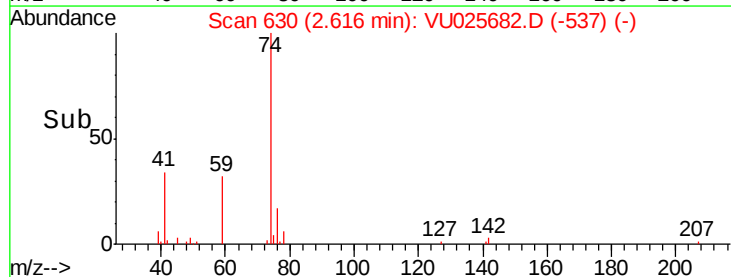
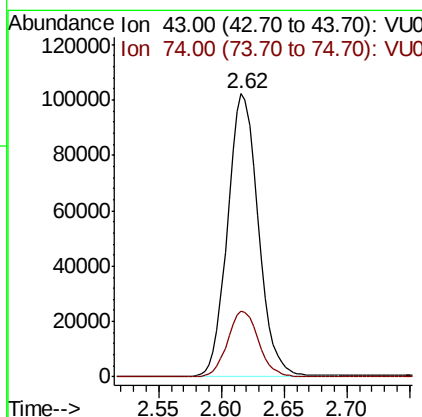
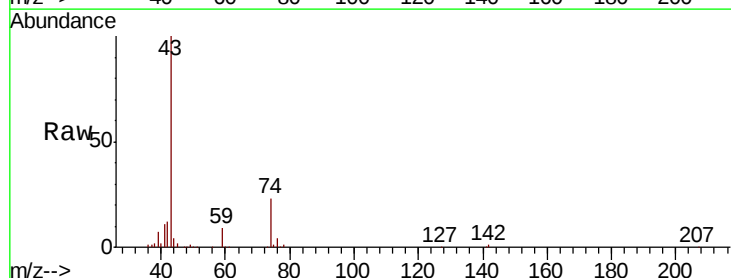
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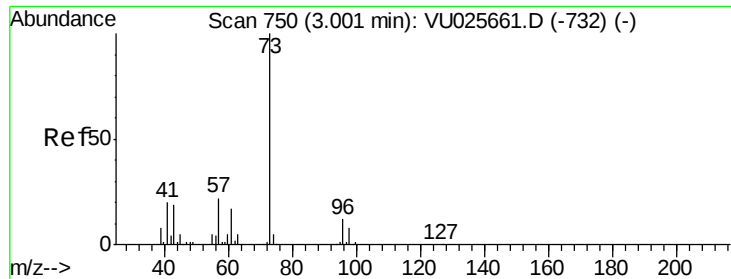
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#18
Methyl Acetate
Concen: 54.08 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.5	27.7





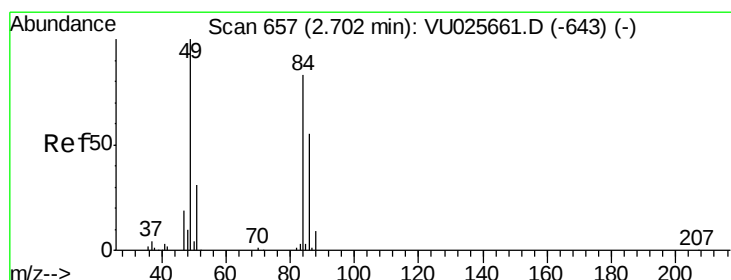
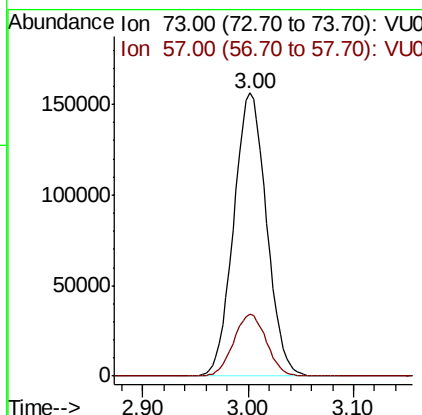
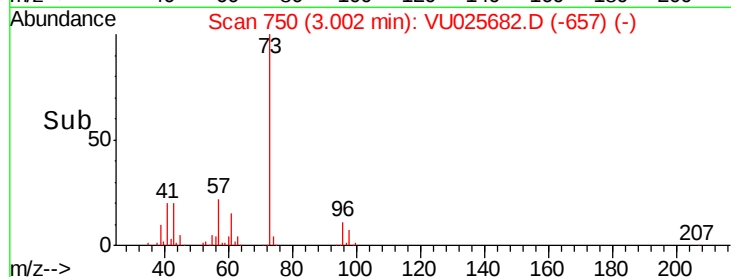
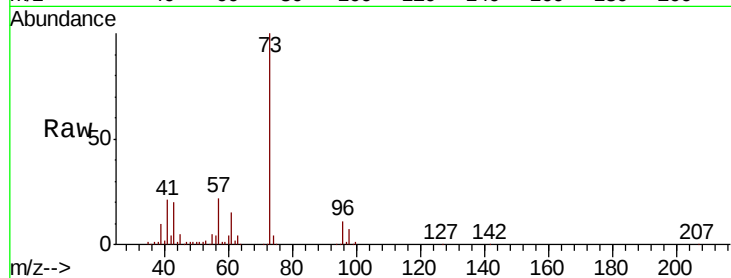
#19
Methyl tert-butyl Ether
Concen: 49.53 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

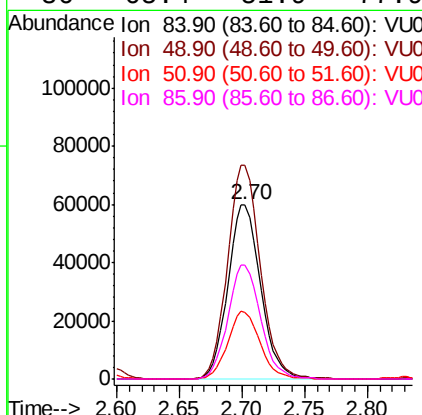
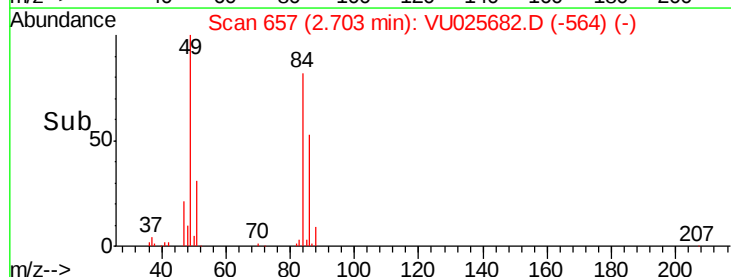
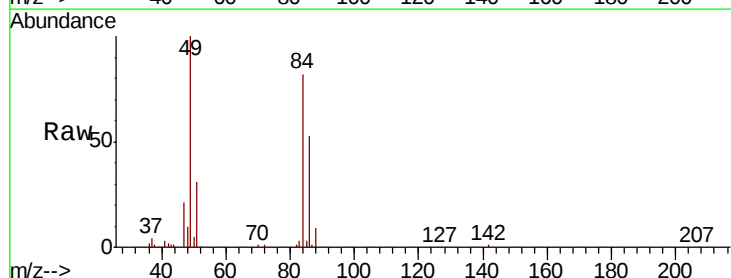
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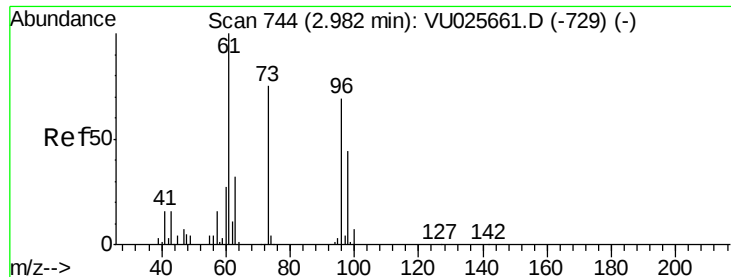
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#20
Methylene Chloride
Concen: 45.97 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	101.8	152.6
51	38.1	30.8	46.2
86	65.4	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 47.63 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

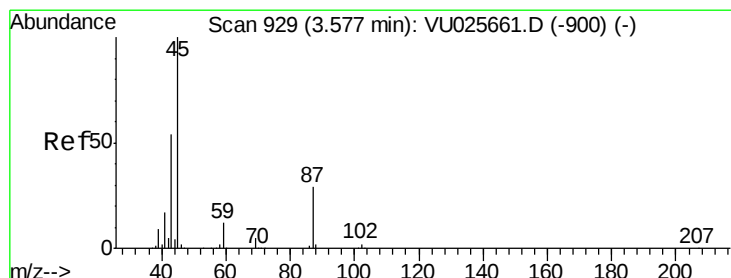
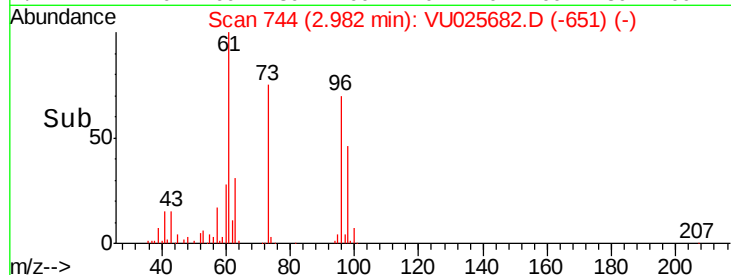
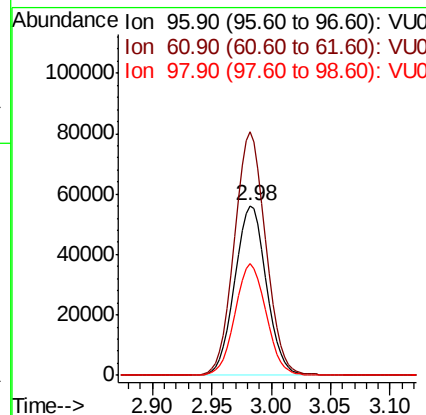
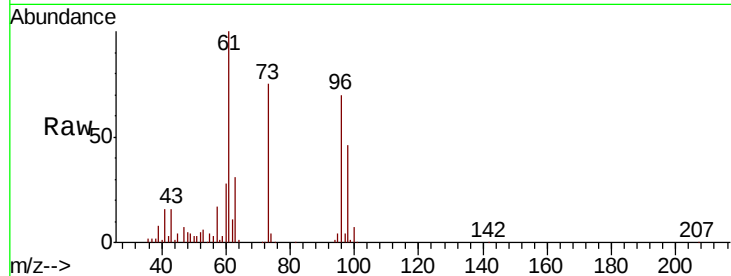
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	103478
Ion	Ratio	Lower	Upper
96	100		
61	143.8	114.5	171.7
98	65.8	50.5	75.7

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#22

Diisopropyl ether

Concen: 49.46 ug/l

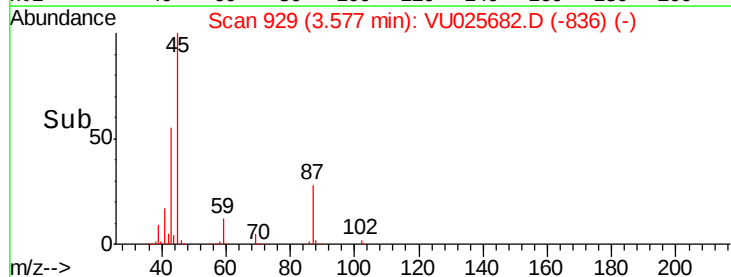
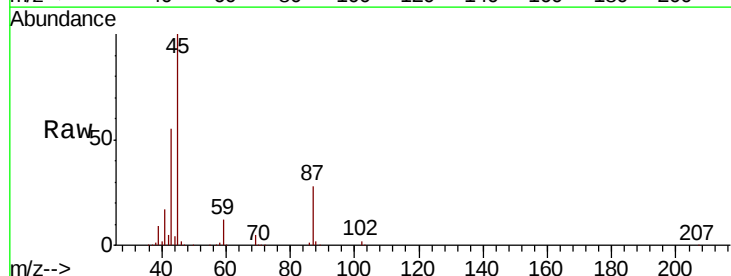
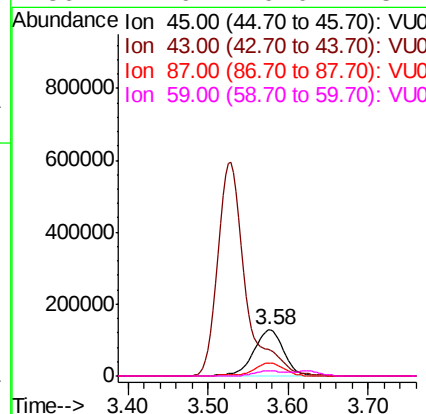
RT: 3.58 min Scan# 929

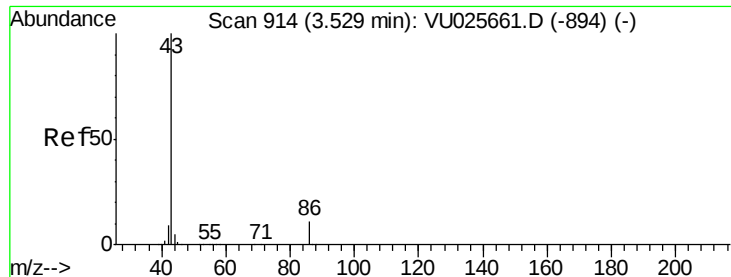
Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion:	45	Resp:	329182
Ion	Ratio	Lower	Upper
45	100		
43	54.6	50.9	76.3
87	28.4	23.8	35.8
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 247.55 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1435935

Ion Ratio Lower Upper

43 100

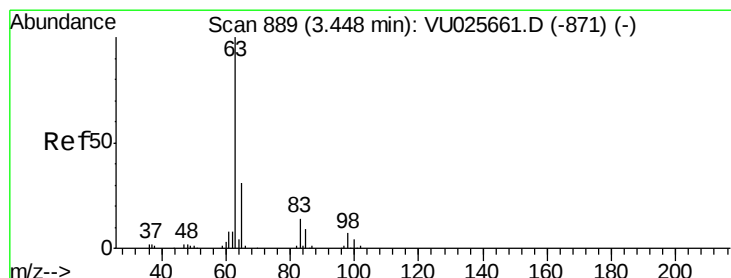
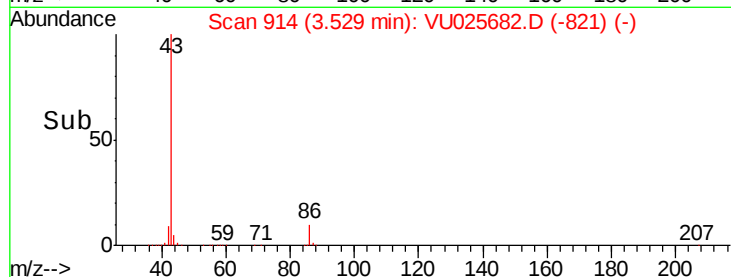
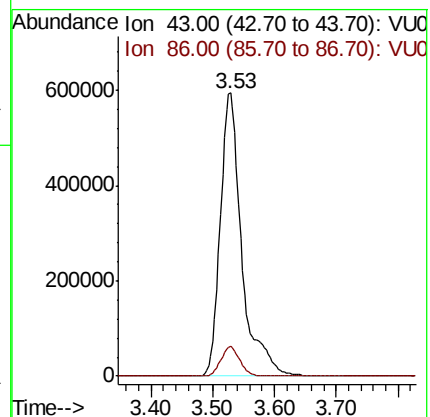
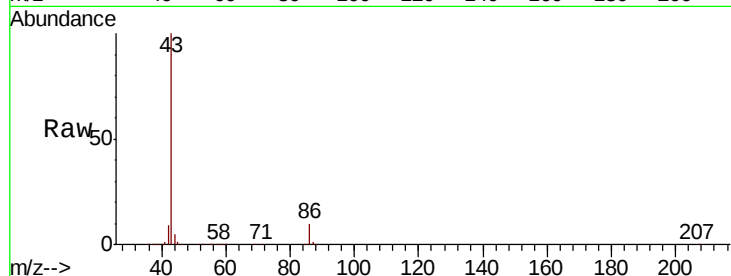
86 10.4 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.06 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

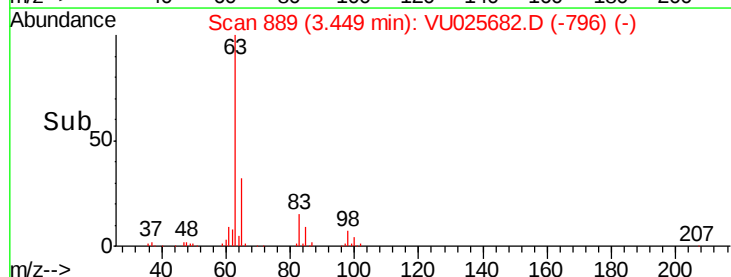
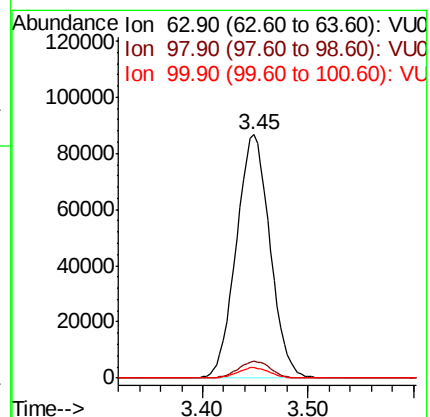
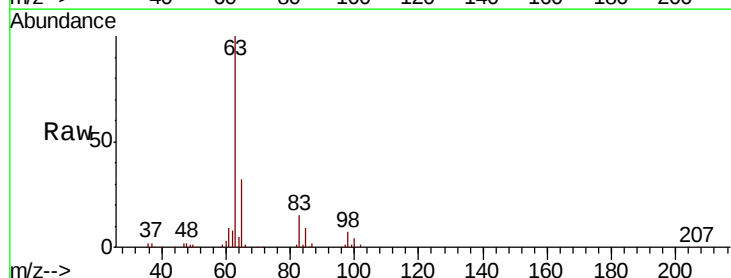
Tgt Ion: 63 Resp: 192025

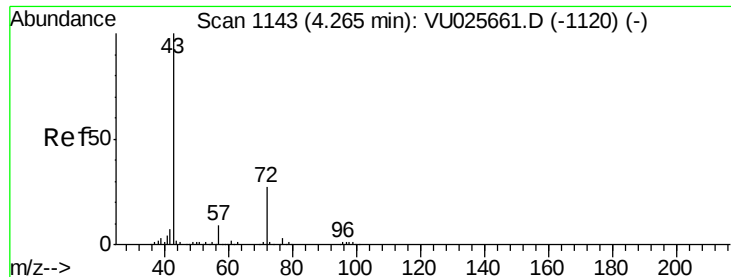
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.3 2.0 6.0





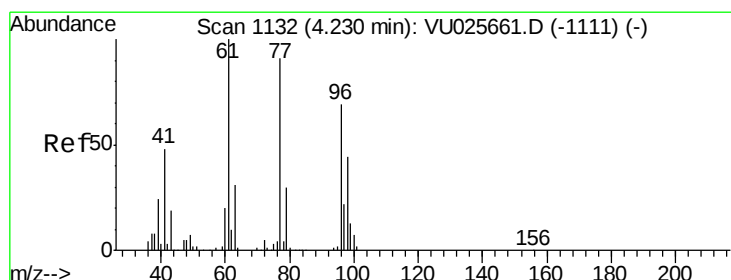
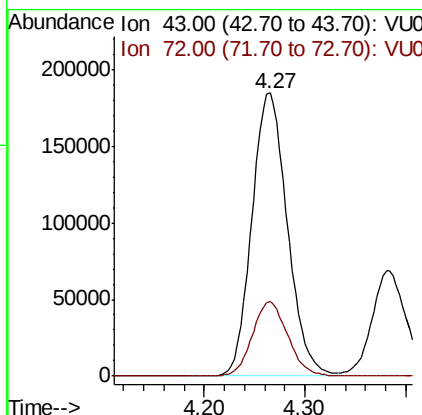
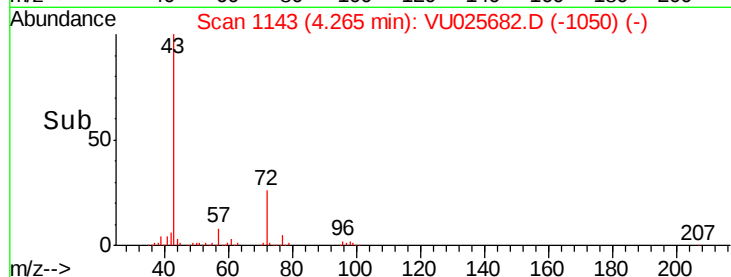
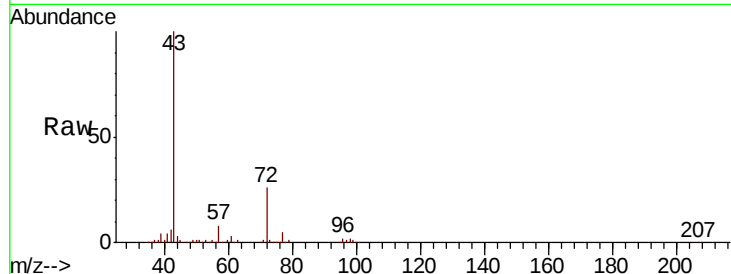
#25
2-Butanone
Concen: 248.02 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 448960
Ion Ratio Lower Upper
43 100
72 26.3 21.0 31.4

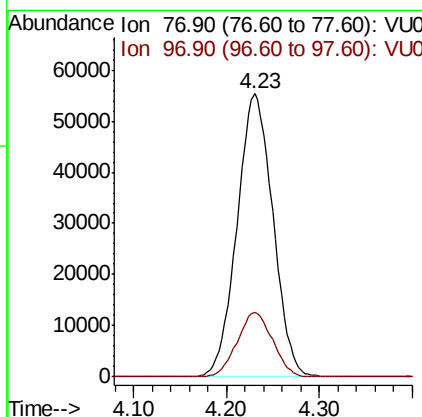
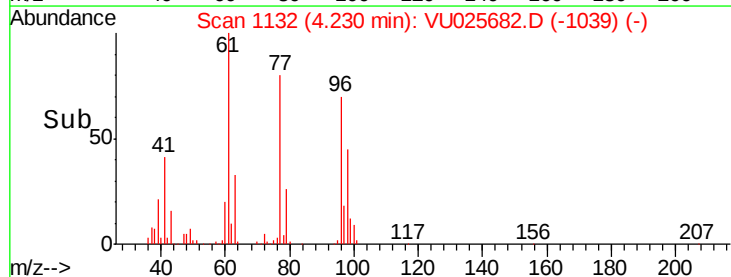
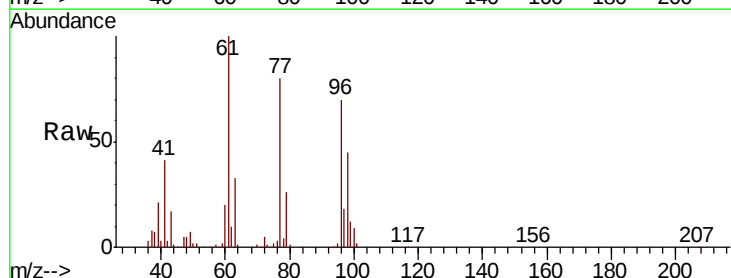
Manual Integrations
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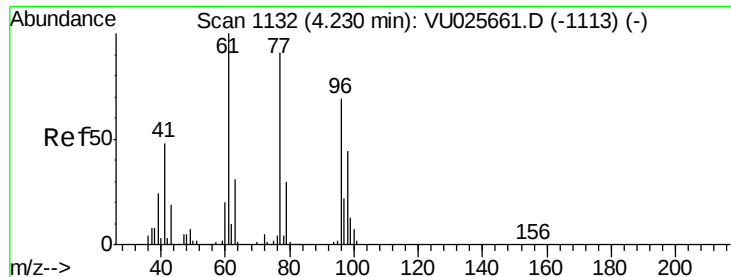
MMDadoda
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#26
2,2-Dichloropropane
Concen: 40.89 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion: 77 Resp: 148506
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 47.85 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

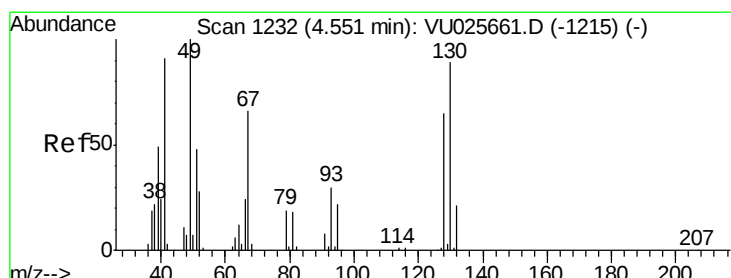
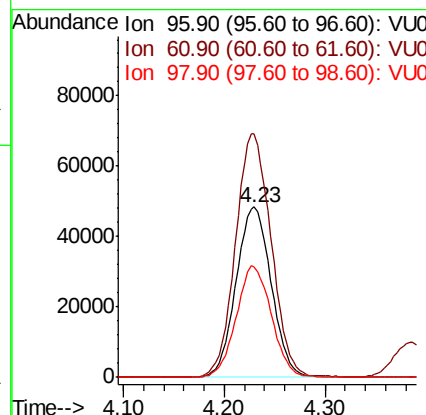
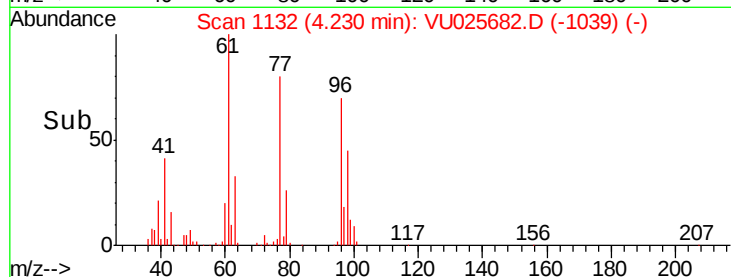
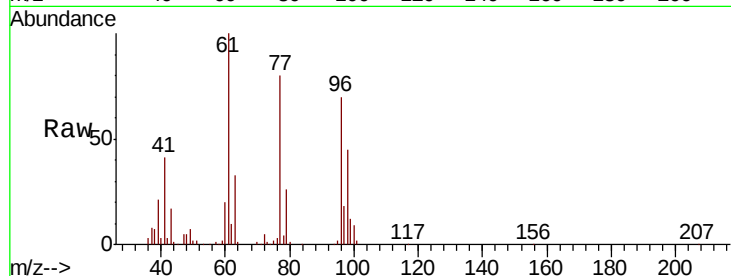
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117221		
61	144.6	0.0	299.8	
98	65.4	0.0	128.6	

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#28

Bromochloromethane

Concen: 48.50 ug/l

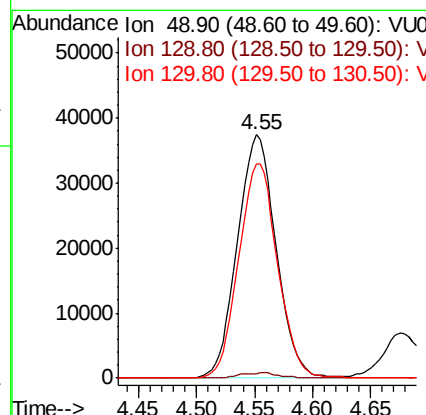
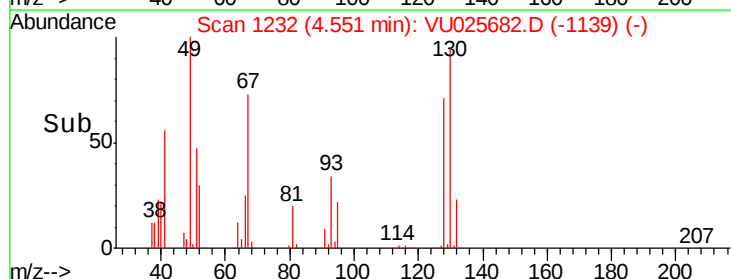
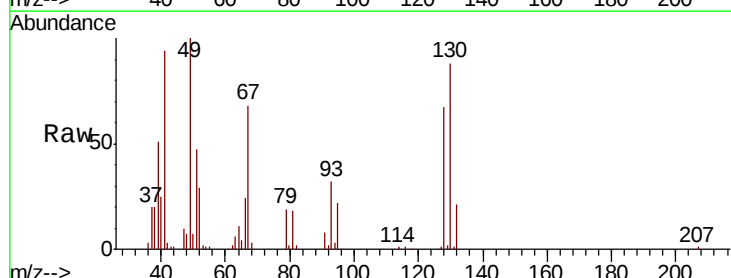
RT: 4.55 min Scan# 1232

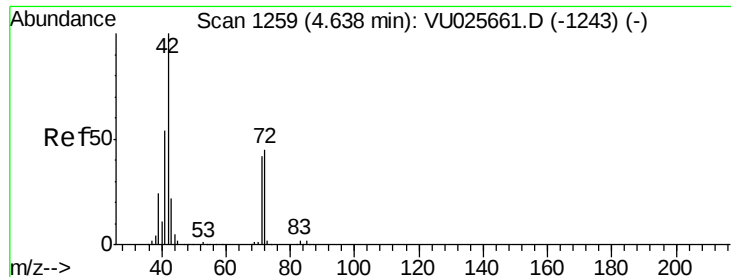
Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86643		
129	2.2	0.0	4.6	
130	88.4	68.6	102.8	





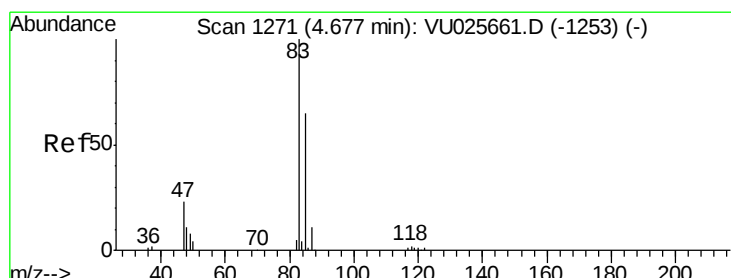
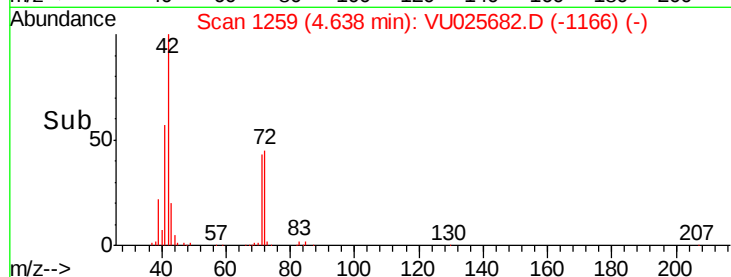
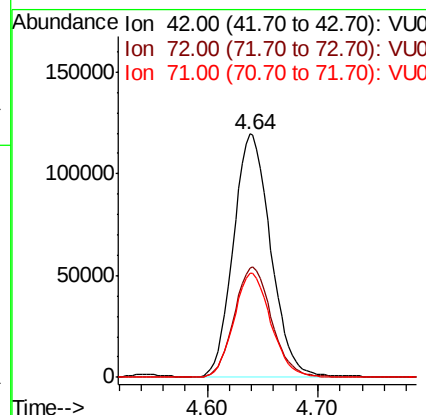
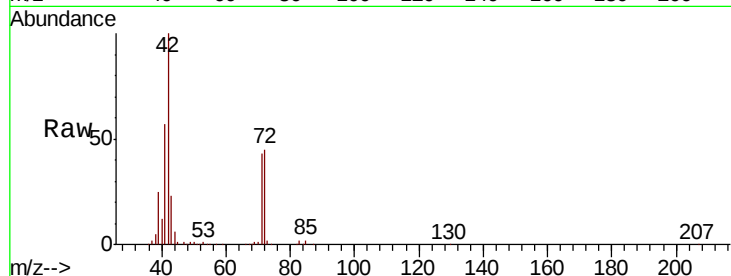
#29
Tetrahydrofuran
Concen: 258.39 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.7	55.1
71	42.7	33.9	50.9

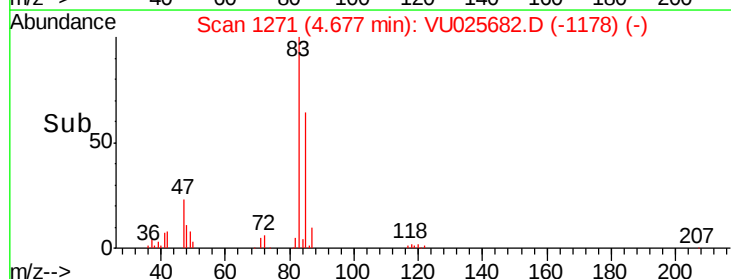
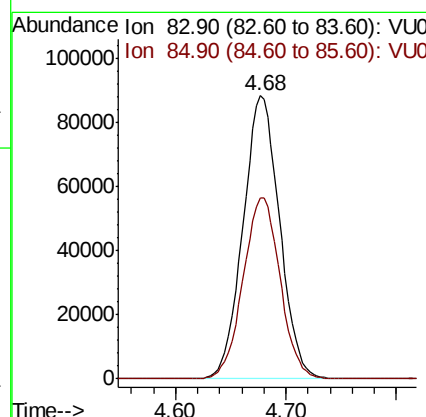
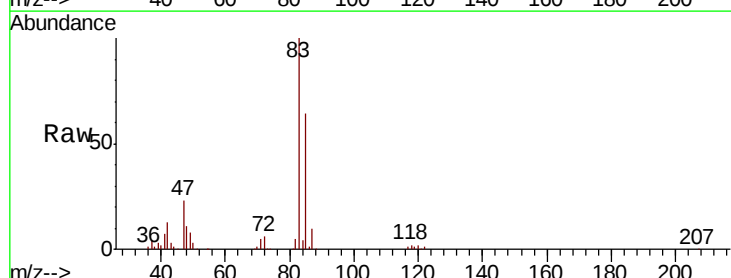
Manual Integrations
APPROVED

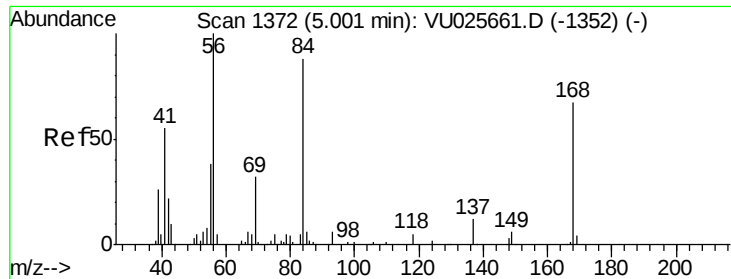
MMDadoda
7/31/2018 3:49:42 PM



#30
Chloroform
Concen: 48.04 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





#31

Cyclohexane

Concen: 48.19 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 167669

Ion Ratio Lower Upper

56 100

69 32.1 26.8 40.2

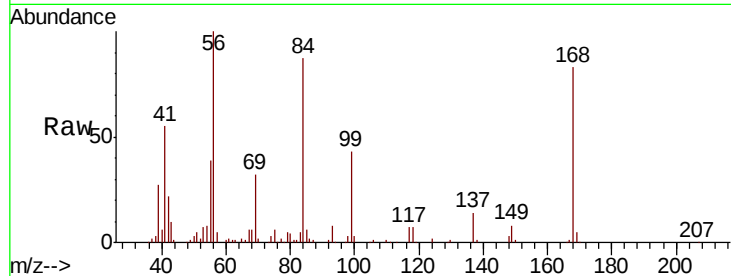
84 86.0 69.7 104.5

Manual Integrations

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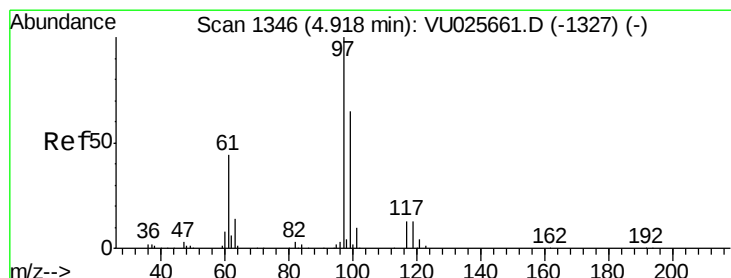
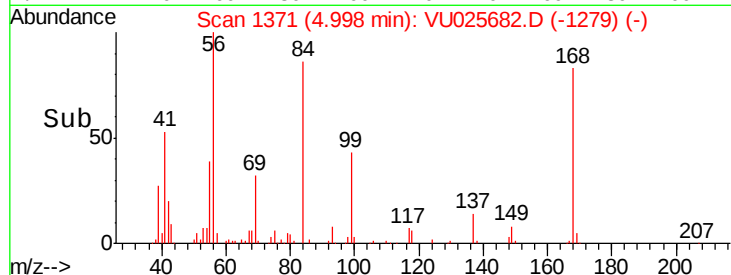
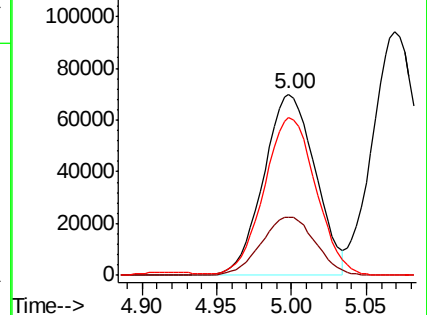
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 48.35 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

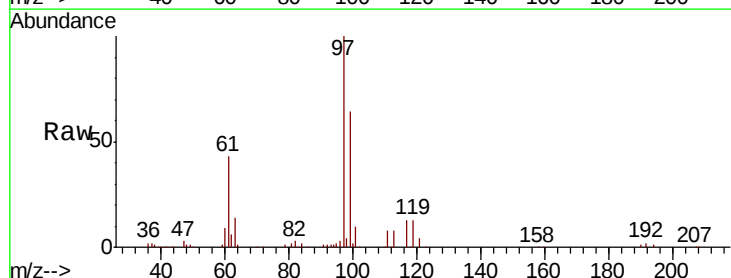
Tgt Ion: 97 Resp: 183578

Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

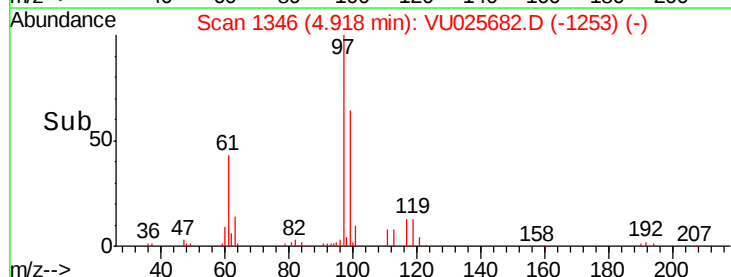
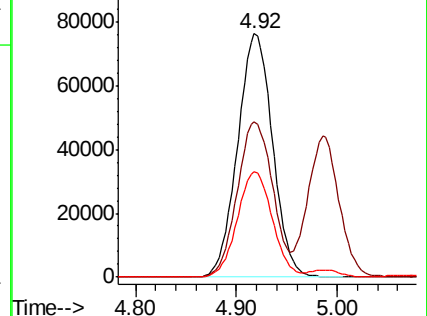
61 43.5 35.2 52.8

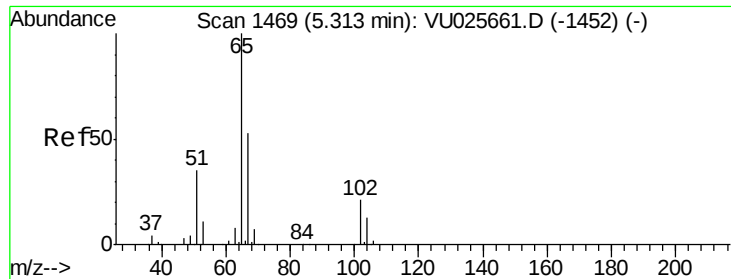


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 50.42 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 137509

Ion Ratio Lower Upper

65 100

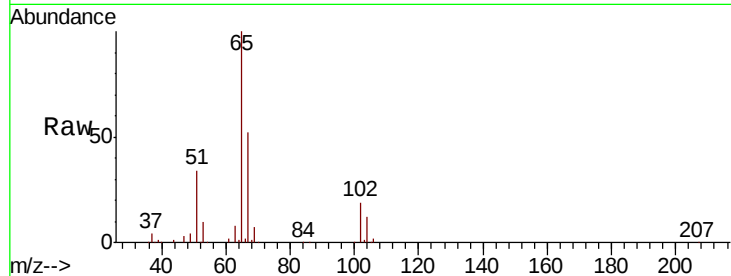
67 53.2 0.0 103.6

Manual Integrations

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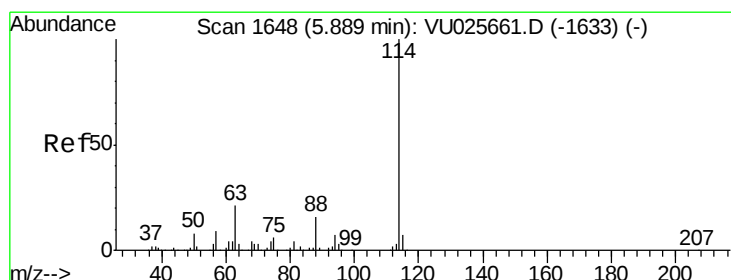
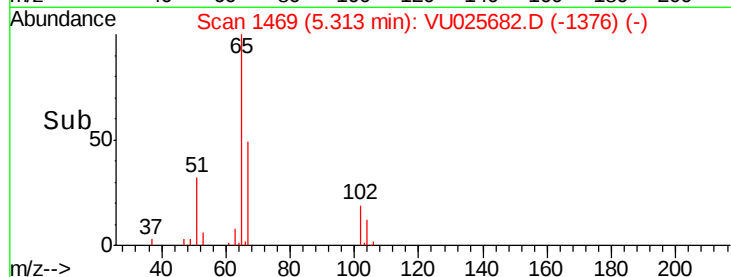
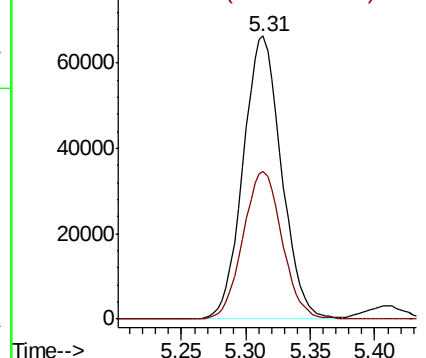
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Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

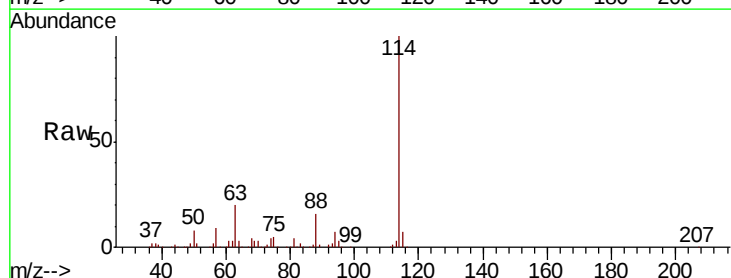
Tgt Ion: 114 Resp: 265582

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

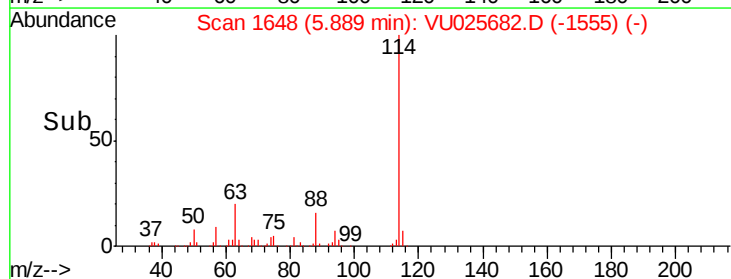
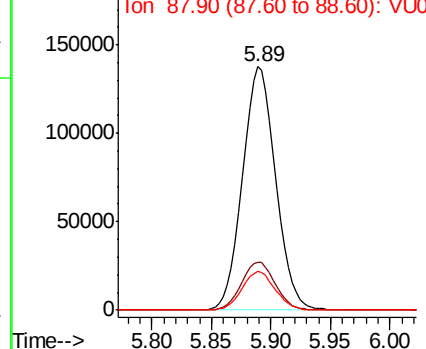
88 15.7 0.0 32.4

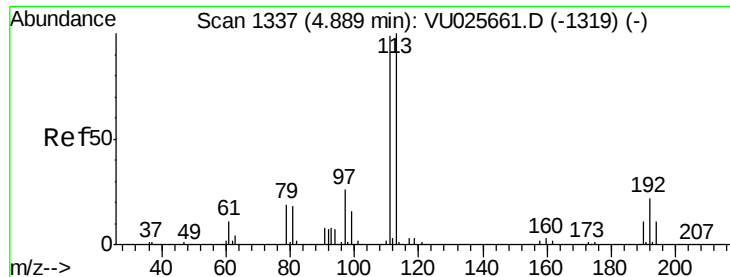


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





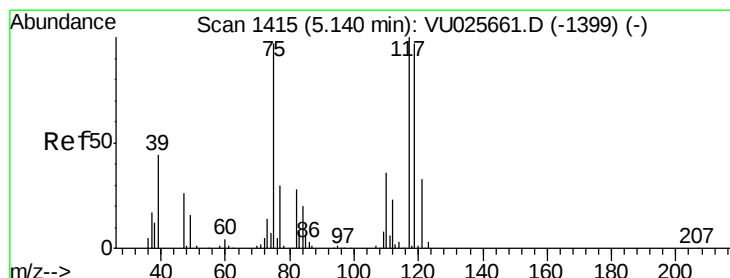
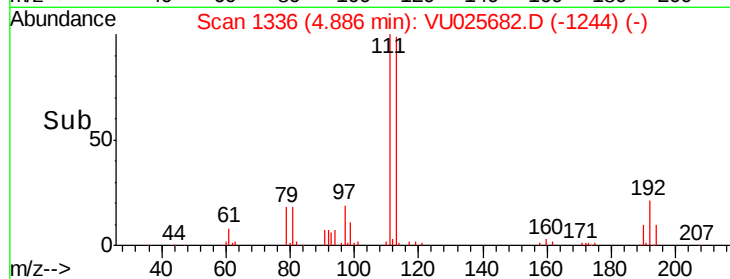
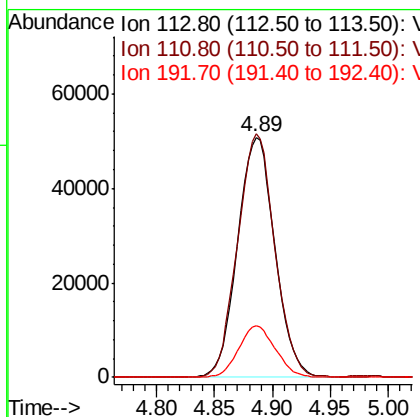
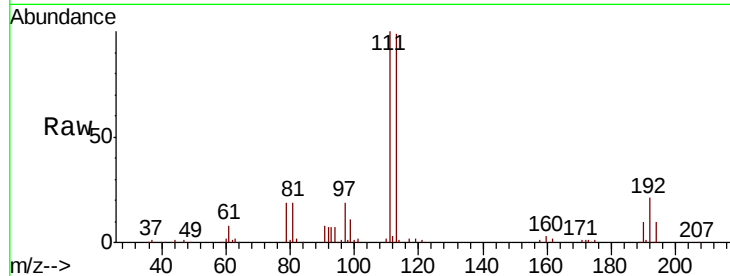
#35
 Dibromofluoromethane
 Concen: 49.27 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113813		
111	101.1	81.7	122.5	
192	21.1	17.1	25.7	

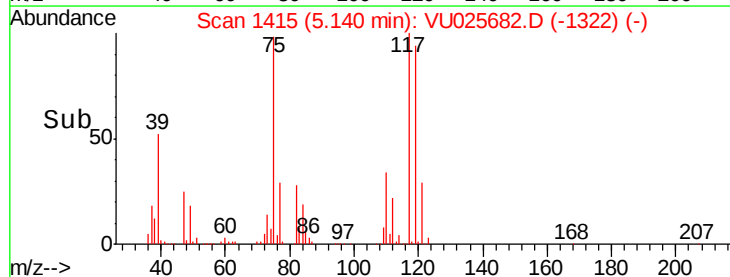
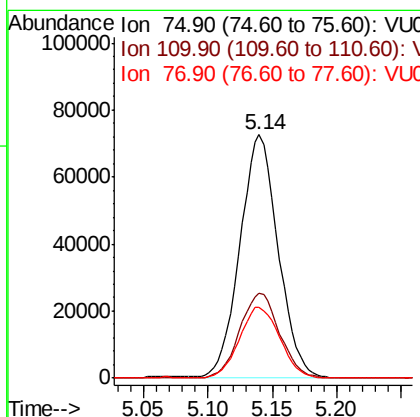
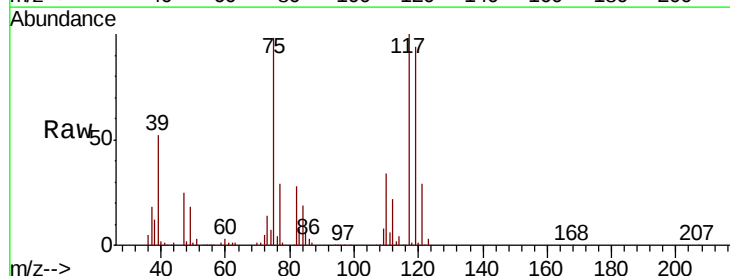
Manual Integrations
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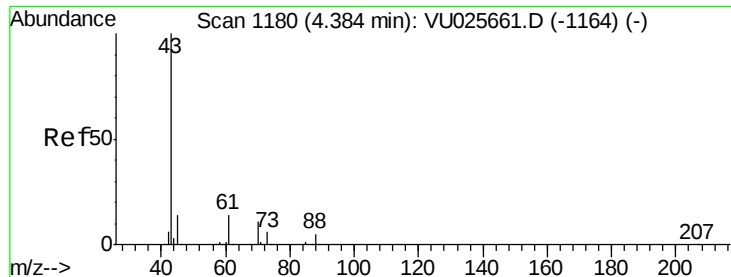
MMDadoda
 7/31/2018 3:49:42 PM



#36
 1,1-Dichloropropene
 Concen: 47.88 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148595		
110	36.7	17.6	52.9	
77	31.1	24.4	36.6	





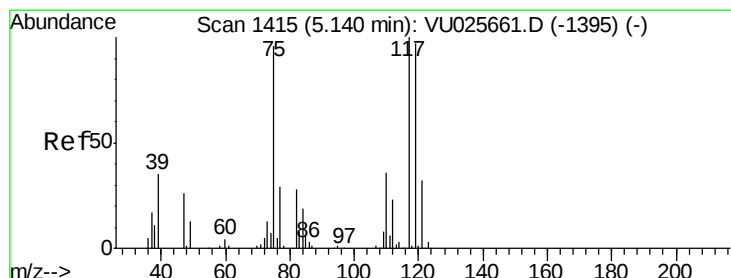
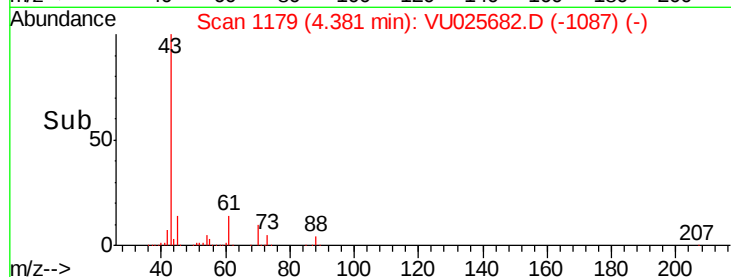
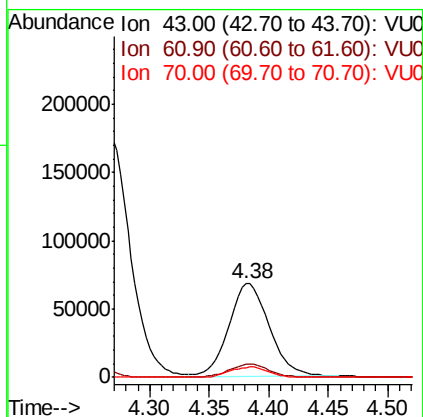
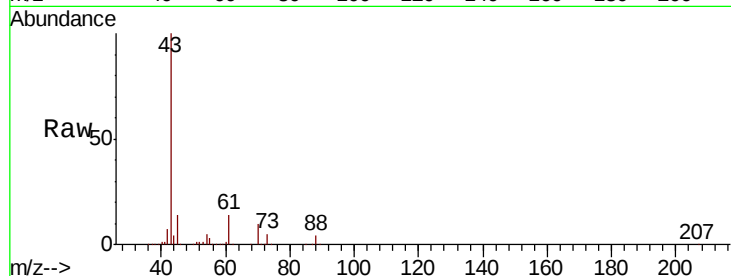
#37
Ethyl Acetate
Concen: 50.19 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.7	16.1
70	10.7	8.4	12.6

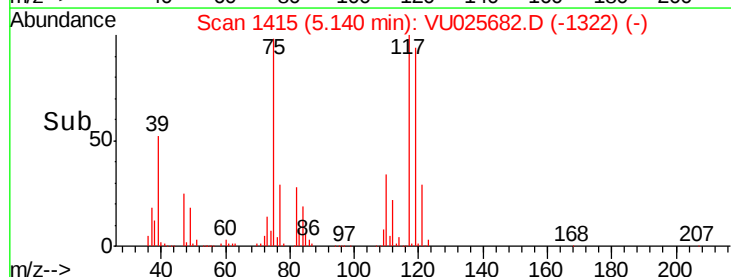
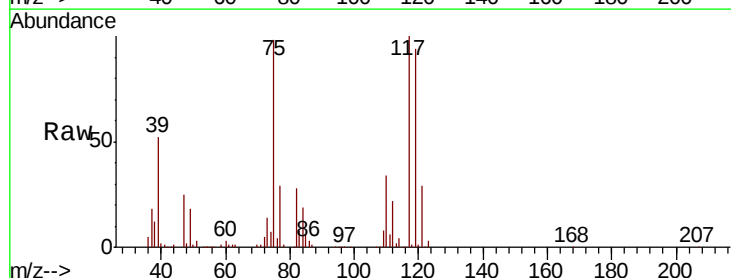
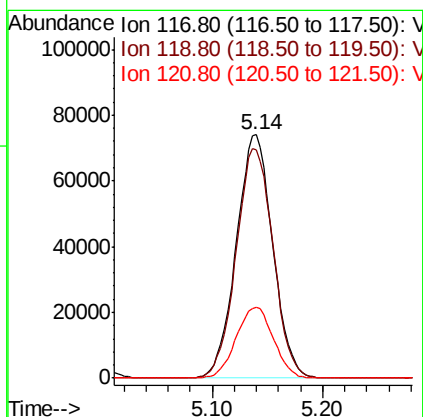
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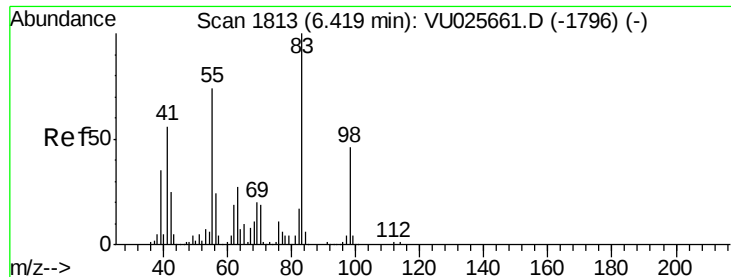
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#38
Carbon Tetrachloride
Concen: 48.10 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.7	113.5
121	29.3	24.6	36.8





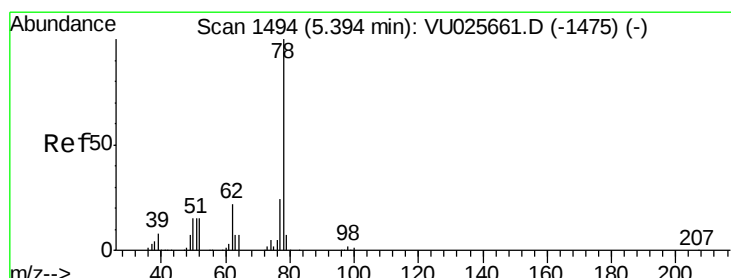
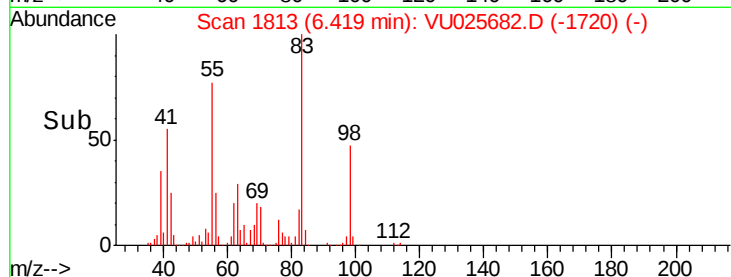
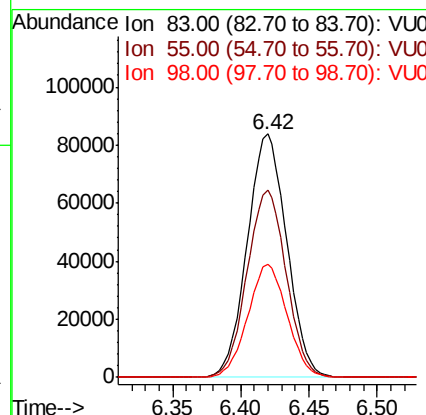
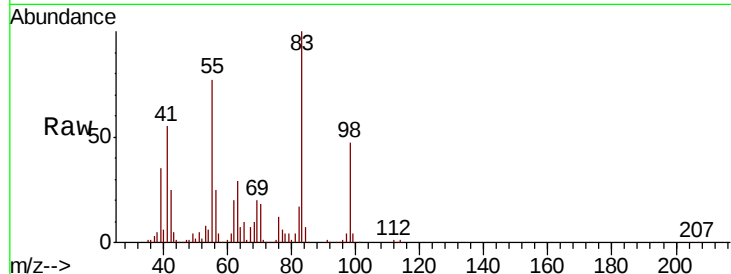
#39
Methvlcvclohexane
Concen: 47.31 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.0	90.0
98	46.6	36.1	54.1

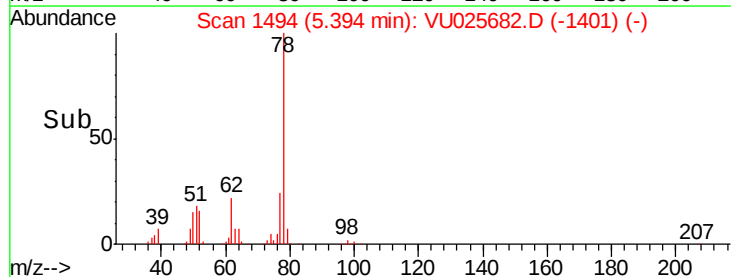
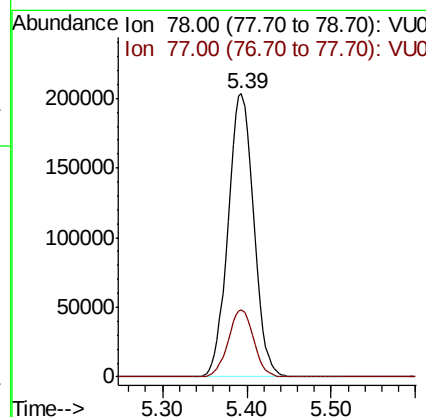
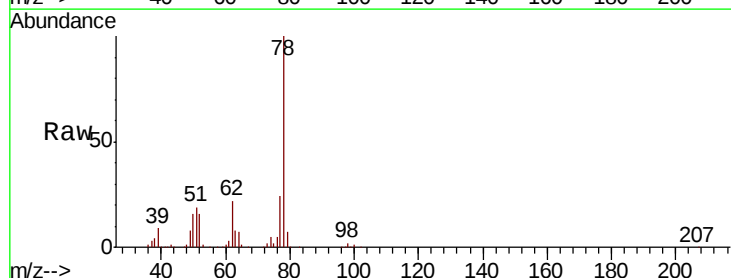
Manual Integrations
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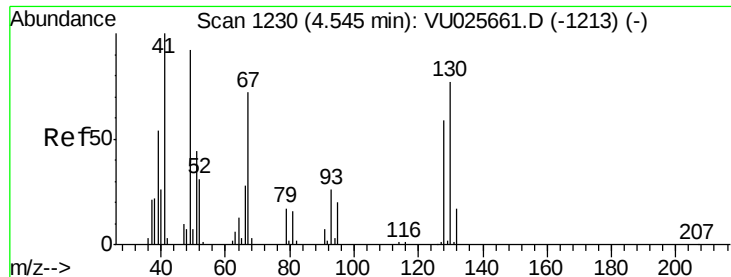
MMDadoda
7/31/2018 3:49:42 PM



#40
Benzene
Concen: 47.48 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.6





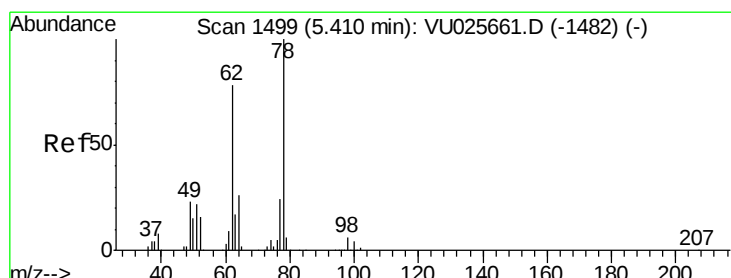
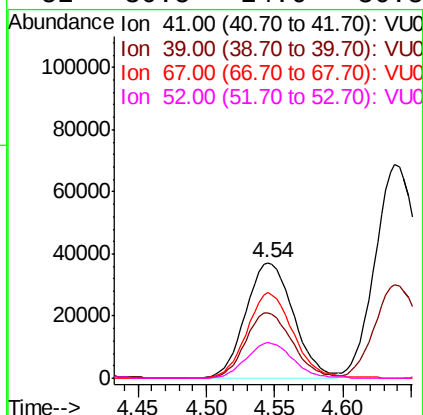
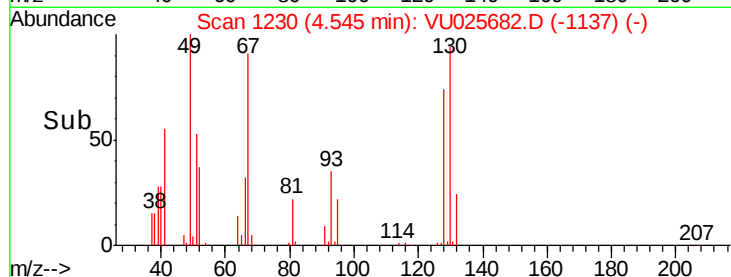
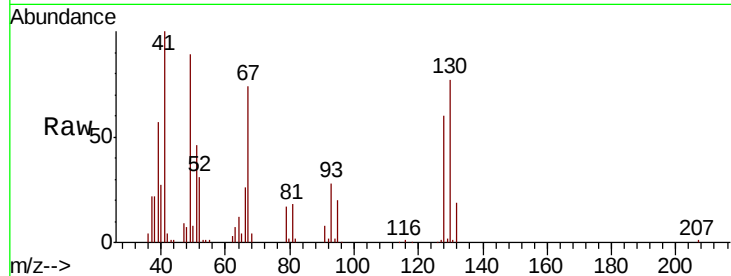
#41
Methacrylonitrile
Concen: 50.69 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	44.4	66.6	
67	71.6	56.0	84.0	
52	30.5	24.6	36.8	

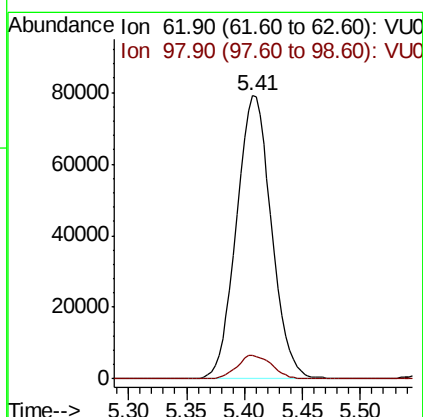
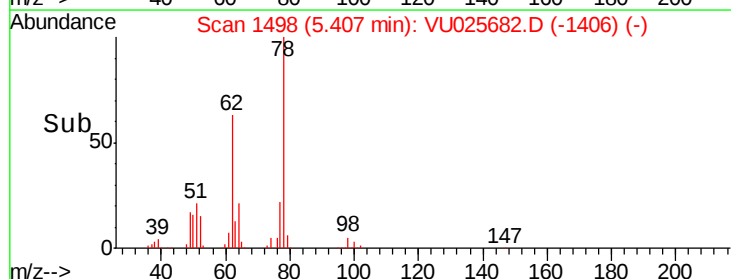
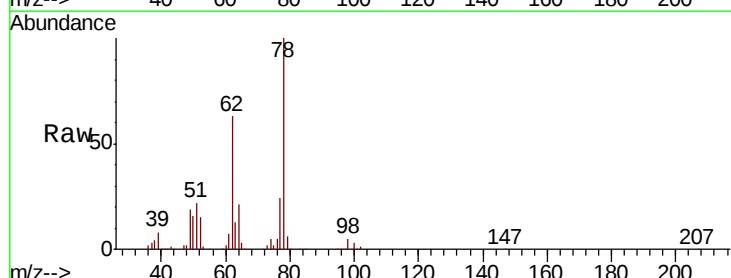
Manual Integrations
APPROVED

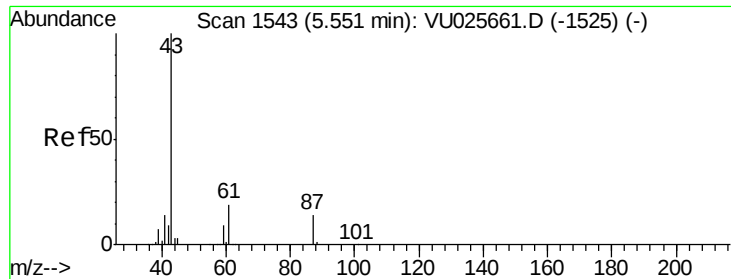
MMDadoda
7/31/2018 3:49:42 PM



#42
1,2-Dichloroethane
Concen: 47.49 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.4	





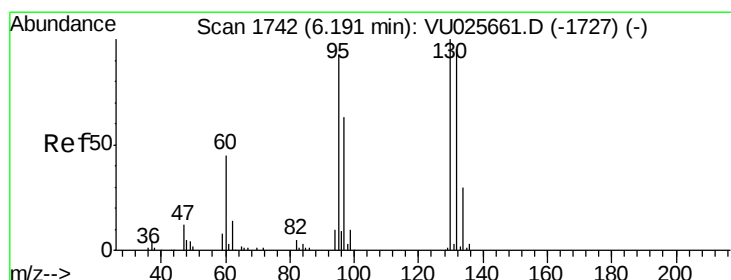
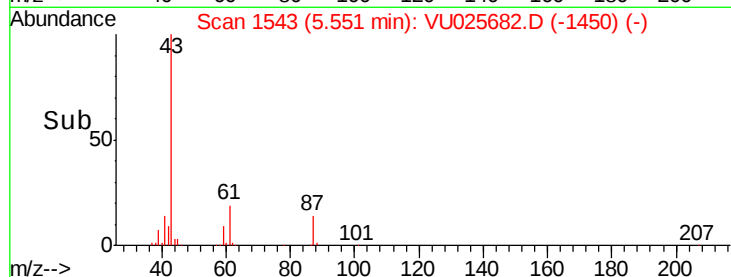
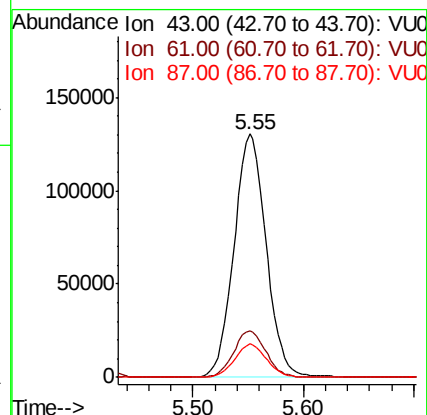
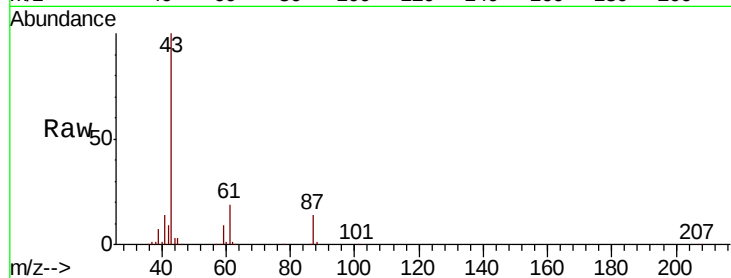
#43
Isopropyl Acetate
Concen: 49.33 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.6	10.6	16.0

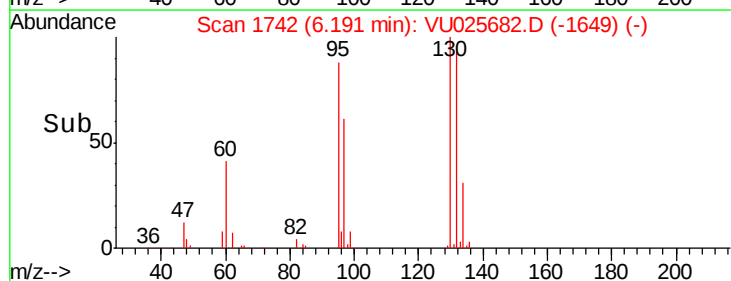
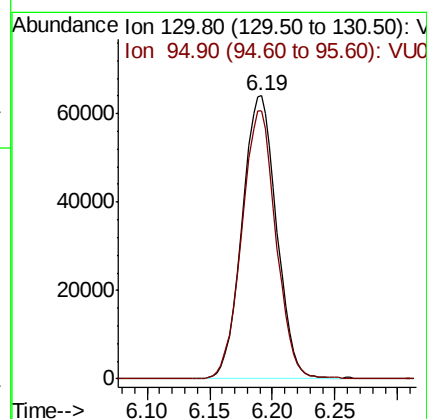
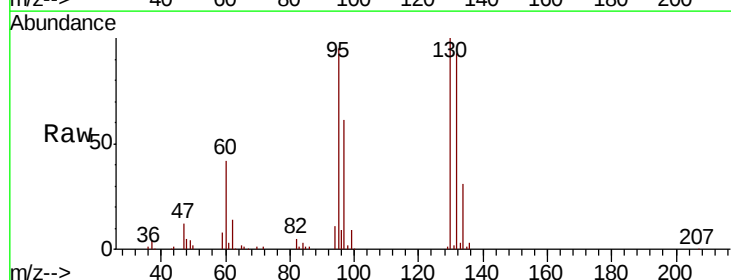
Manual Integrations
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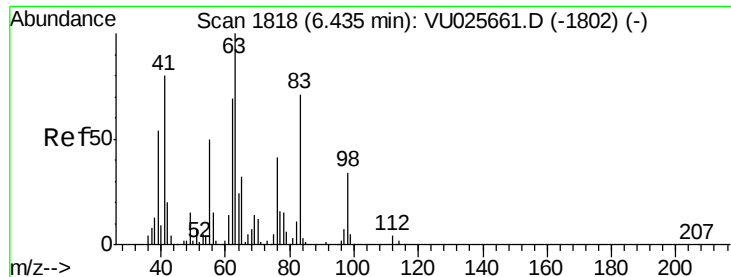
MMDadoda
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#44
Trichloroethene
Concen: 48.42 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	192.2





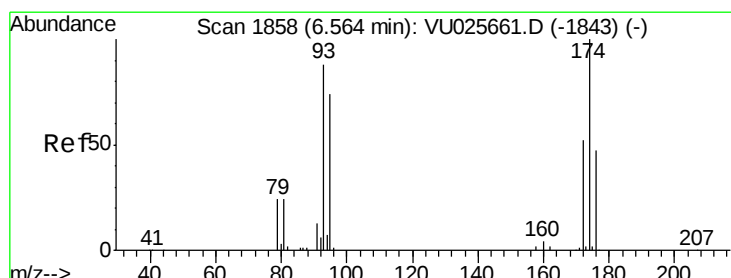
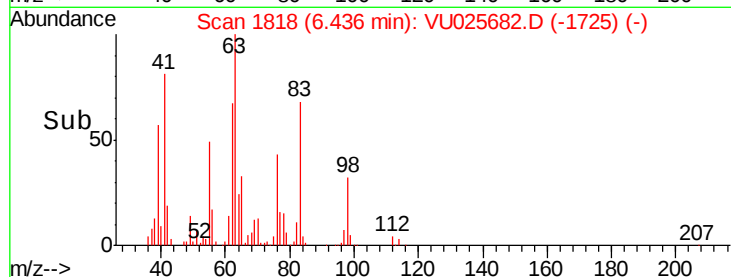
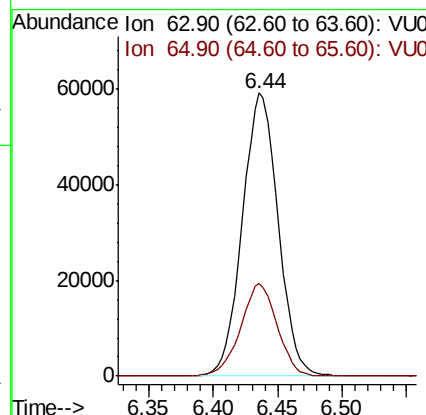
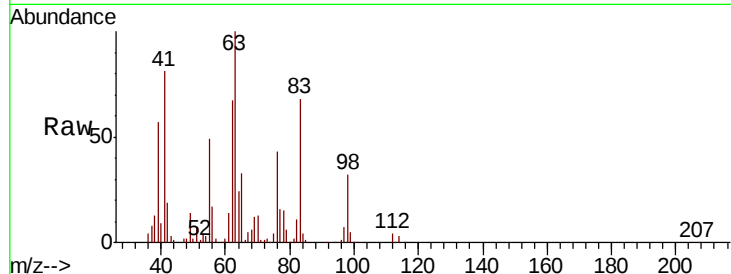
#45
 1,2-Dichloropropane
 Concen: 48.40 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 114513
 Ion Ratio Lower Upper
 63 100
 65 32.7 26.1 39.1

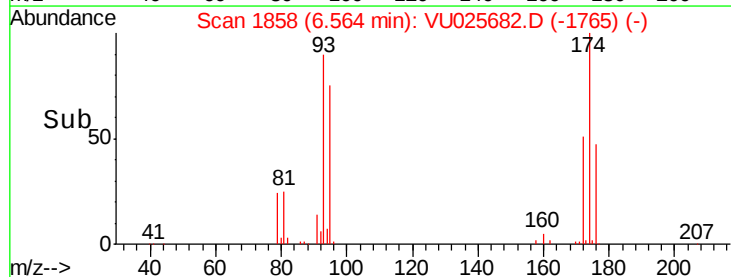
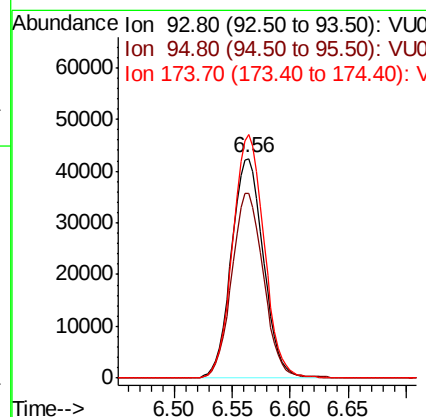
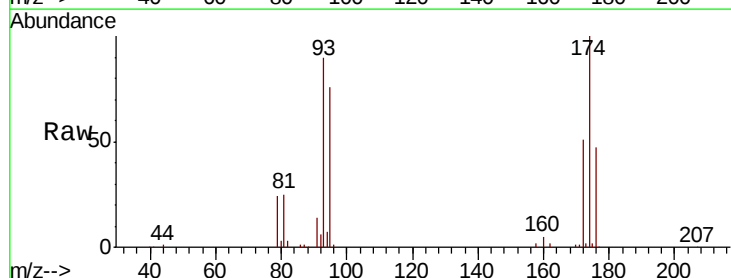
Manual Integrations
 APPROVED

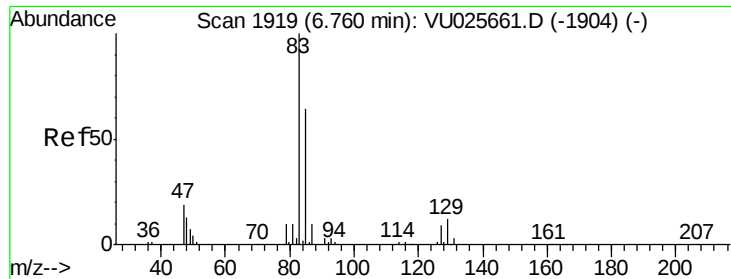
MMDadoda
 7/31/2018 3:49:42 PM



#46
 Dibromomethane
 Concen: 47.44 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion: 93 Resp: 81337
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 108.2 85.8 128.8





#47

Bromodichloromethane

Concen: 47.78 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

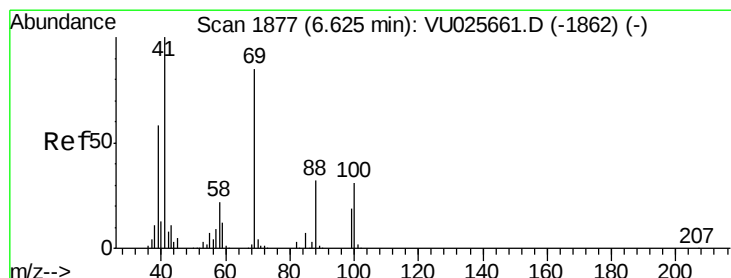
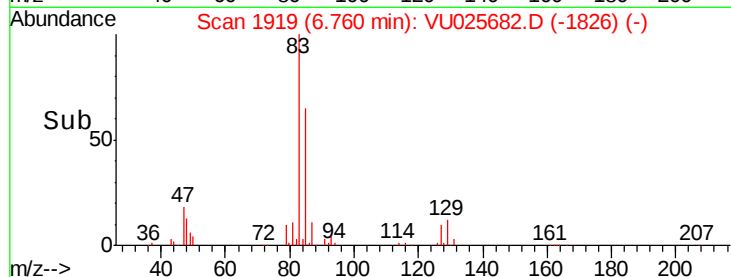
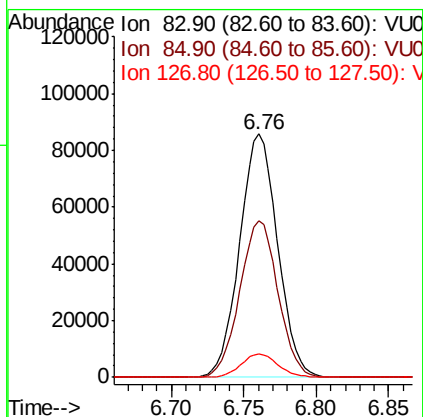
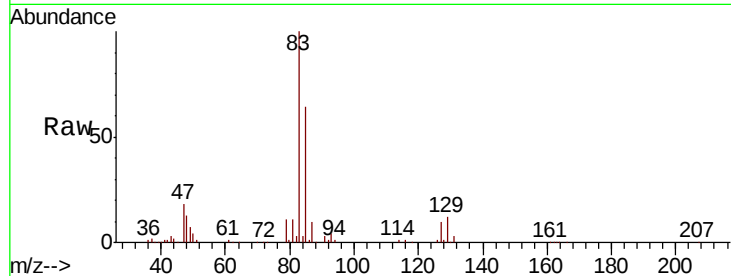
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	156245
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.2	75.4
127	9.6	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.38 ug/l

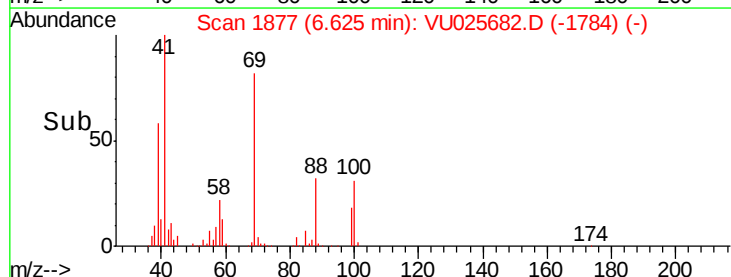
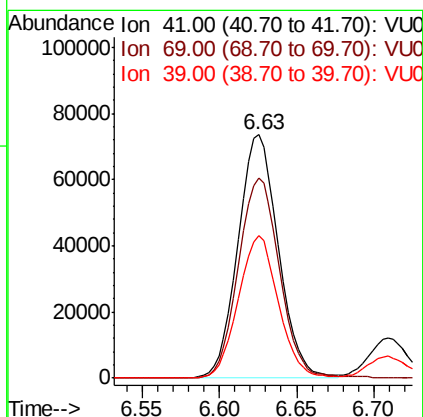
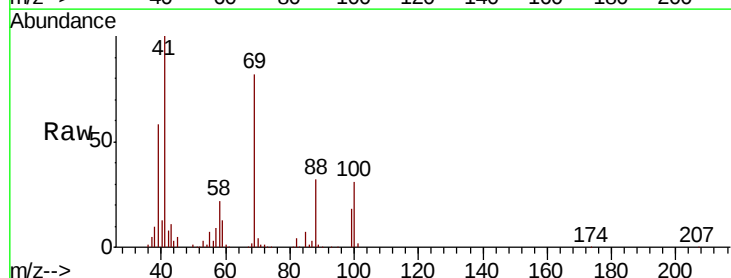
RT: 6.63 min Scan# 1877

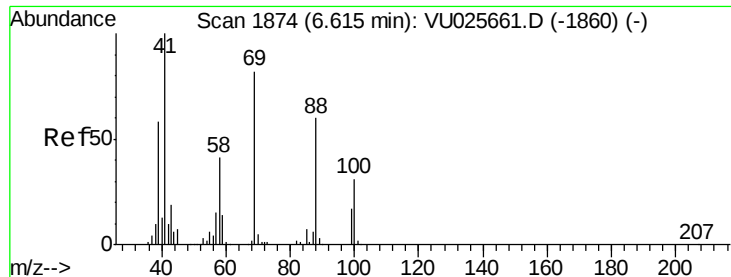
Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion	41	Resp	133910
Ion Ratio	Lower	Upper	
41	100		
69	83.8	65.0	97.4
39	57.9	46.4	69.6





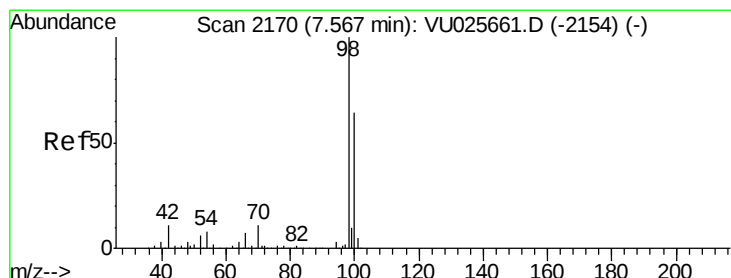
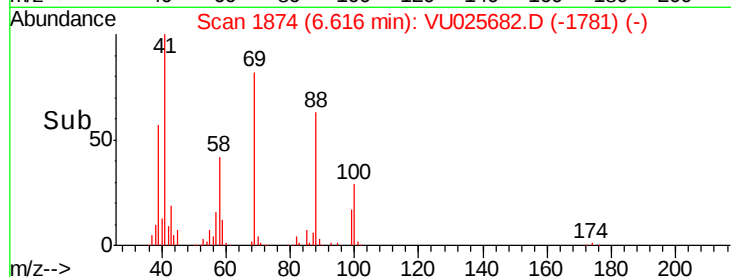
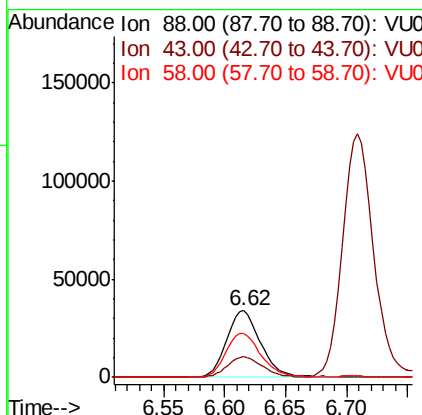
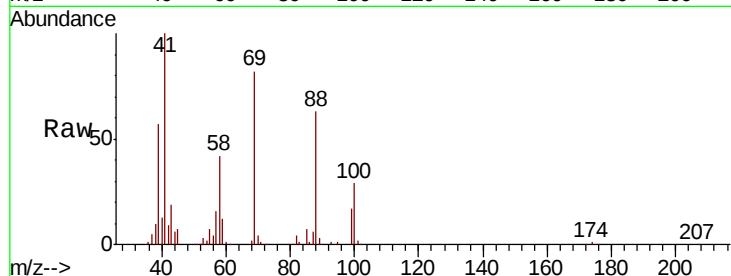
#49
1,4-Dioxane
Concen: 1031.92 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	27.3	40.9
58	69.4	57.6	86.4

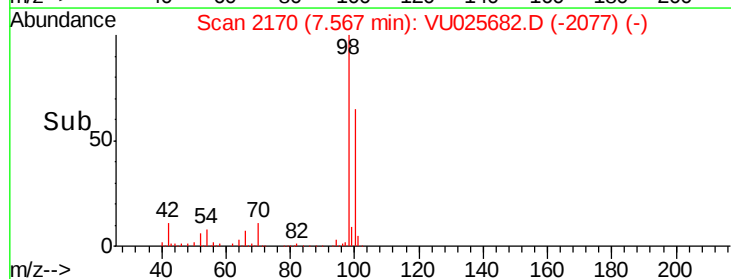
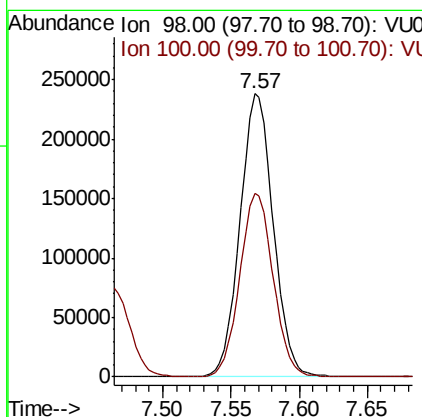
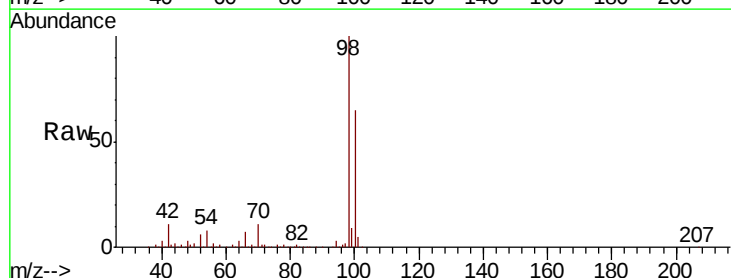
Manual Integrations
APPROVED

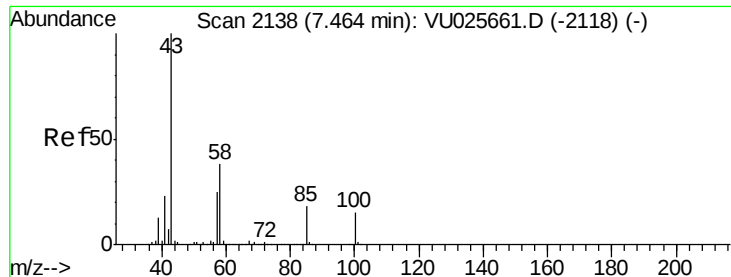
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#50
Toluene-d8
Concen: 49.91 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 254.51 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 847399

Ion Ratio Lower Upper

43 100

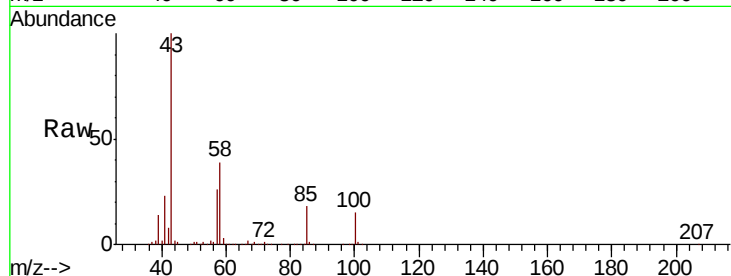
58 39.2 31.0 46.4

Manual Integrations

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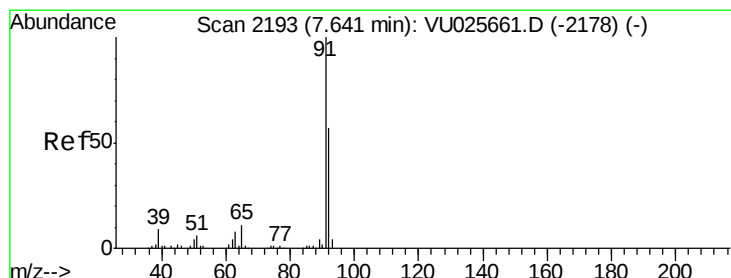
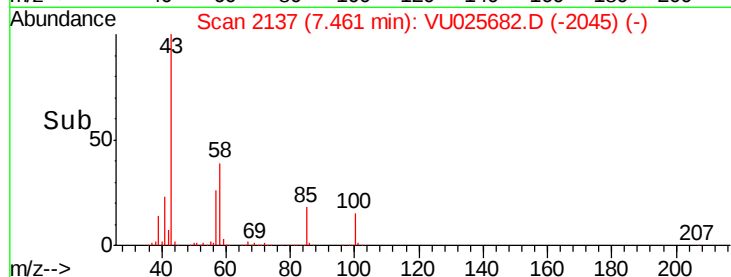
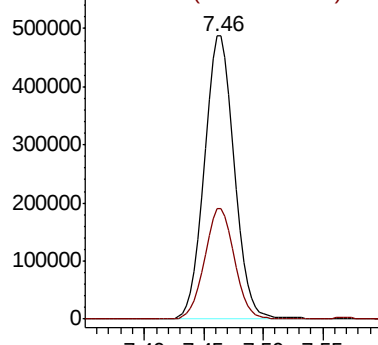
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.29 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025682.D

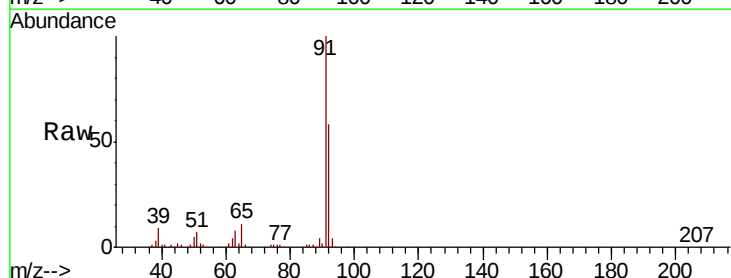
Acq: 27 Jul 2018 20:23

Tgt Ion: 92 Resp: 277835

Ion Ratio Lower Upper

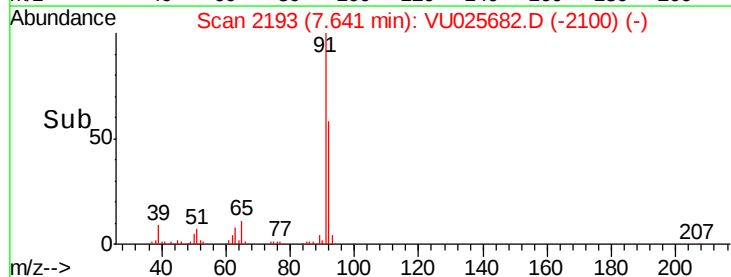
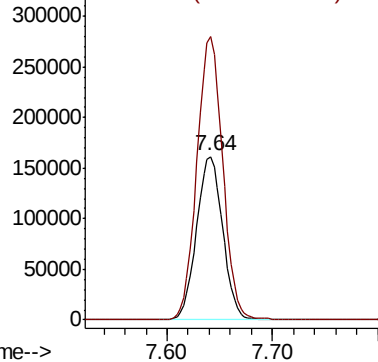
92 100

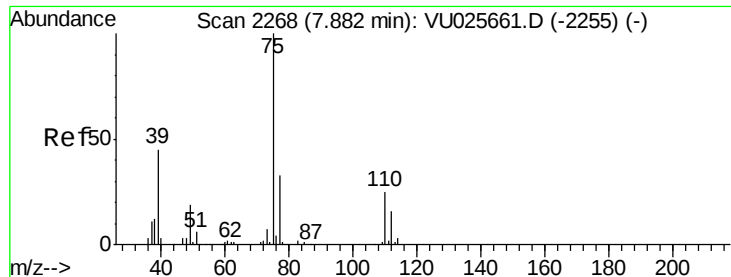
91 170.9 139.2 208.8



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: 48.70 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 178808

Ion Ratio Lower Upper

75 100

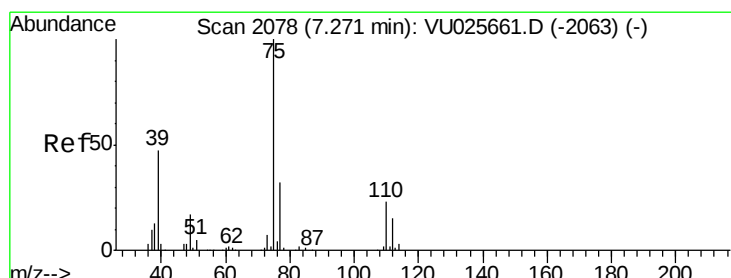
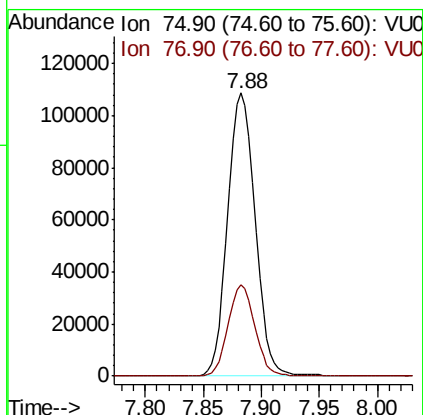
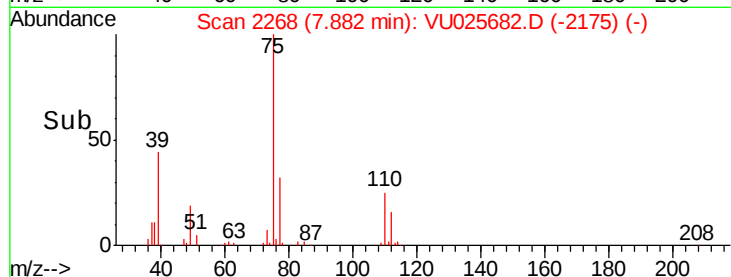
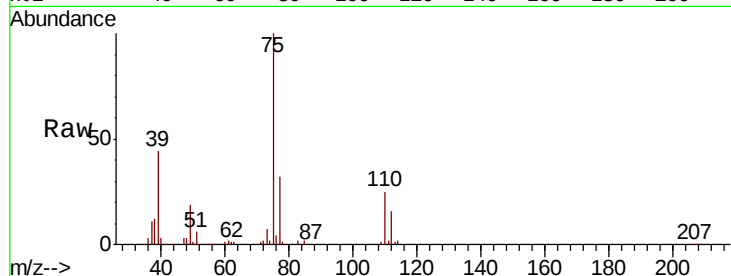
77 32.2 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.56 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

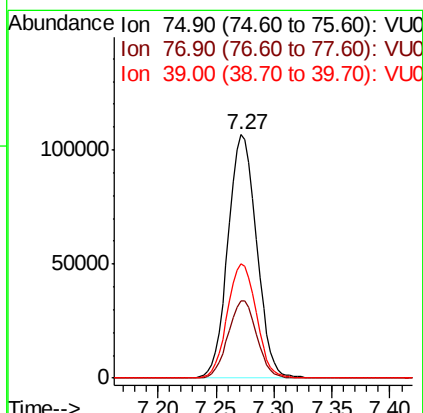
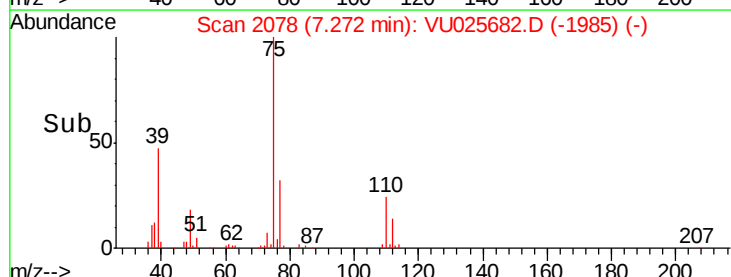
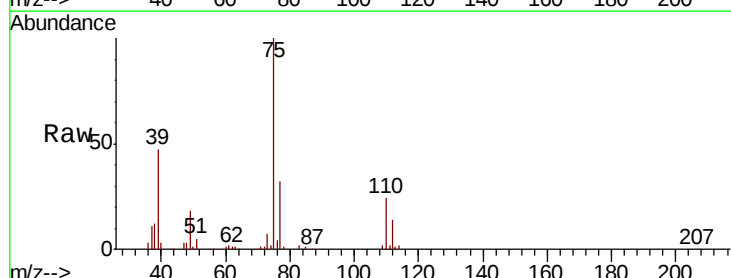
Tgt Ion: 75 Resp: 183155

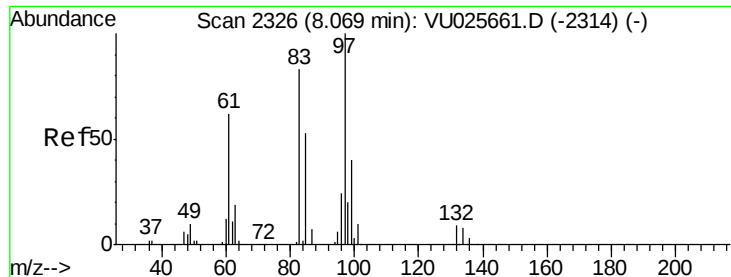
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 47.0 40.0 60.0





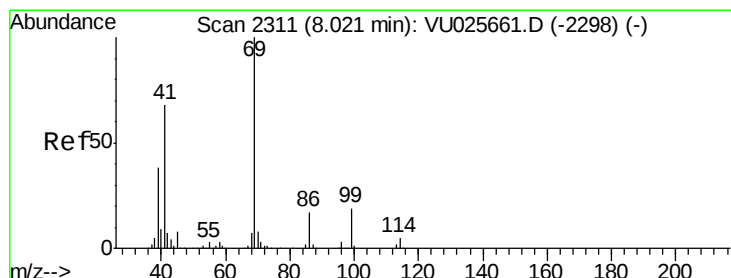
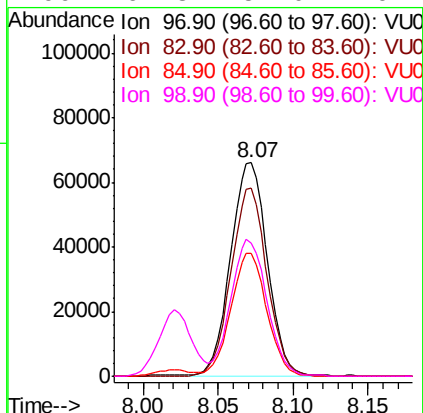
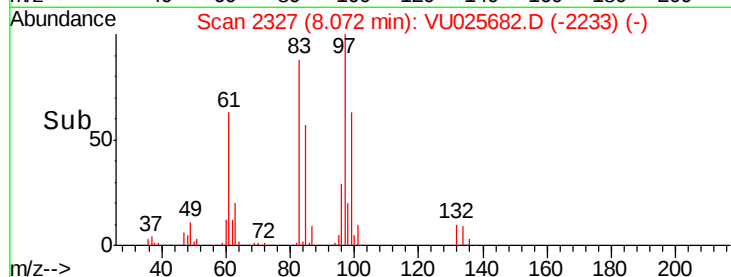
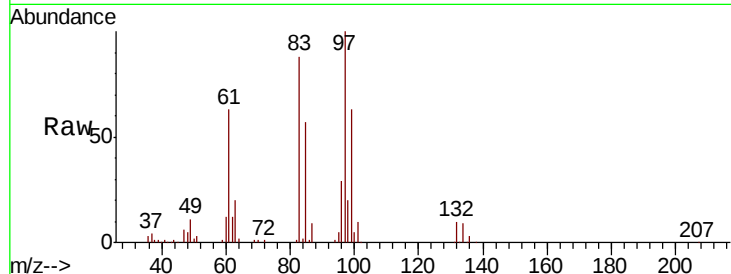
#55
 1,1,2-Trichloroethane
 Concen: 47.93 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112261		
83	88.2	68.9	103.3		
85	57.4	44.4	66.6		
99	62.8	51.0	76.4		

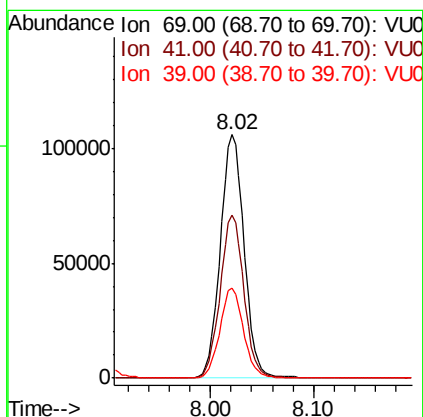
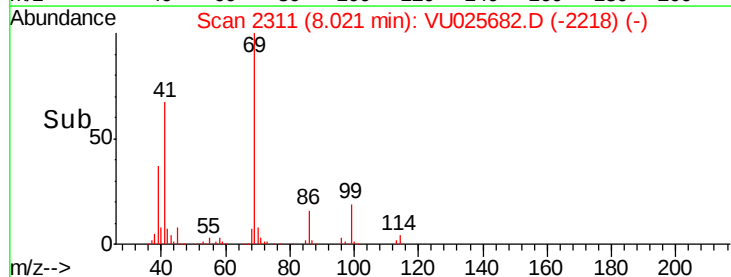
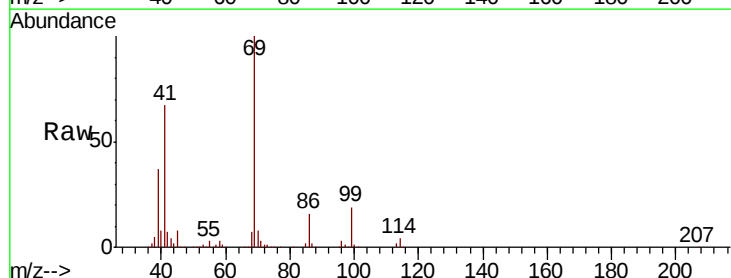
Manual Integrations
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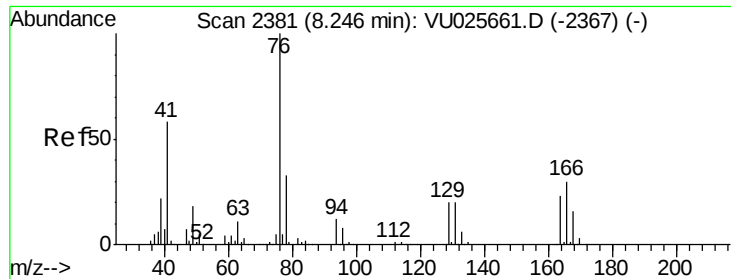
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 50.93 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		170440		
41	67.0	54.8	82.2		
39	36.3	31.1	46.7		





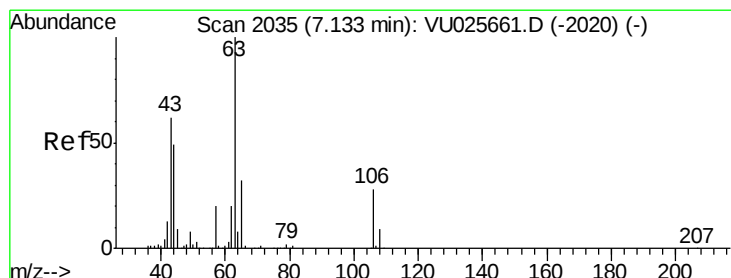
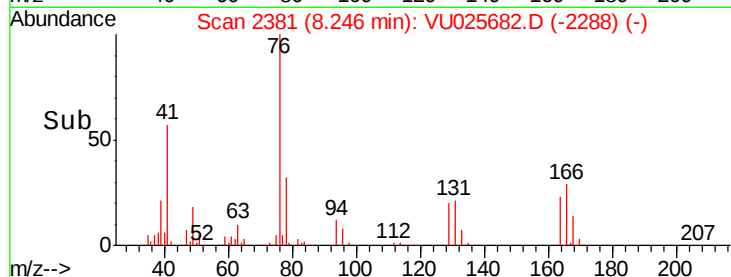
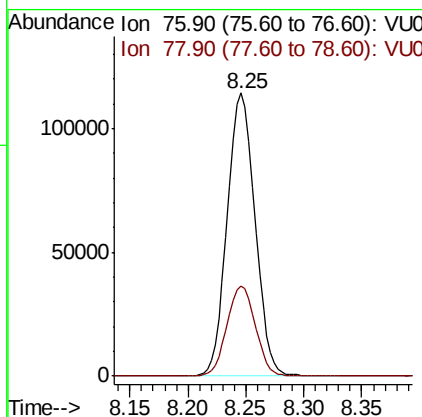
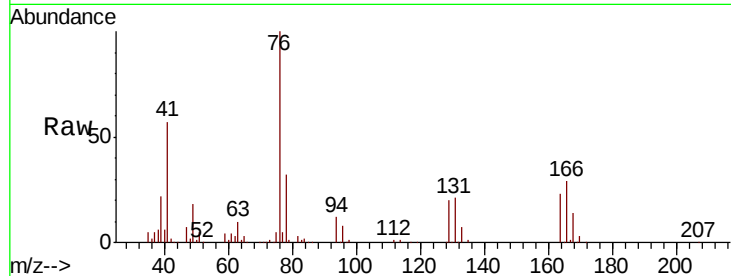
#57
 1,3-Dichloropropane
 Concen: 48.22 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

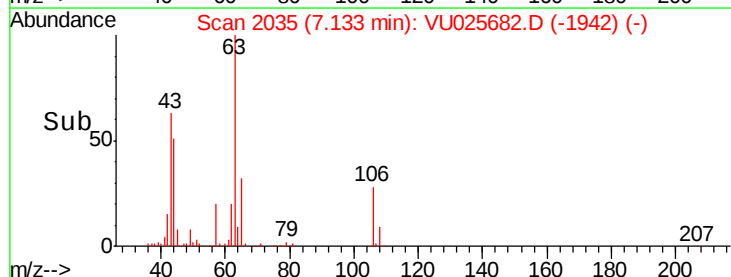
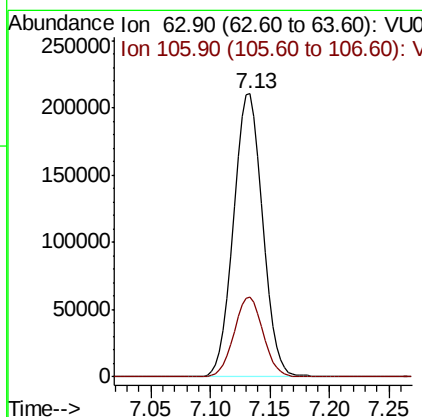
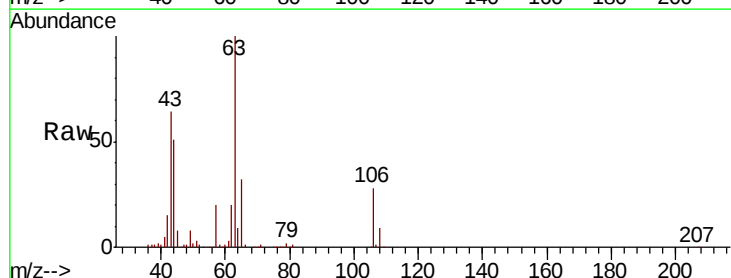
Manual Integrations
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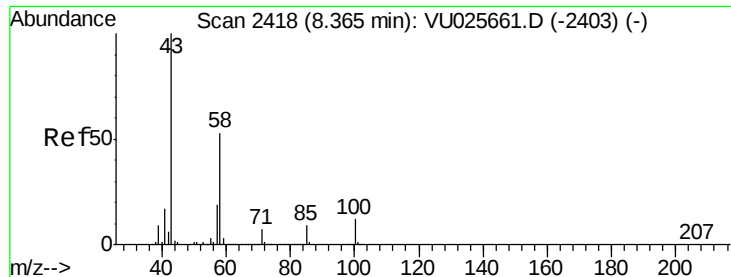
MMDadoda
 7/31/2018 3:49:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.72 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.3	33.5





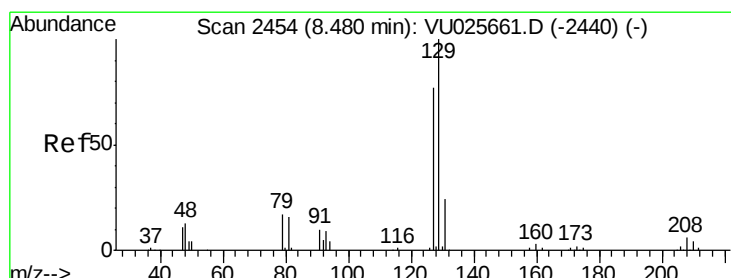
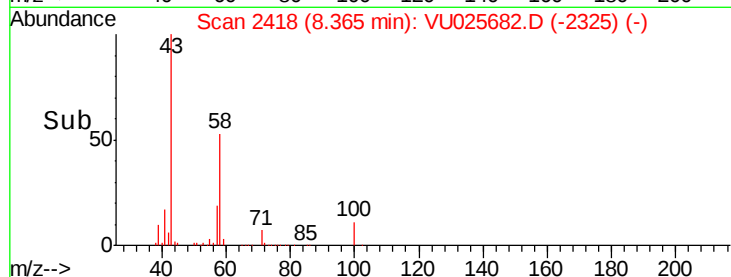
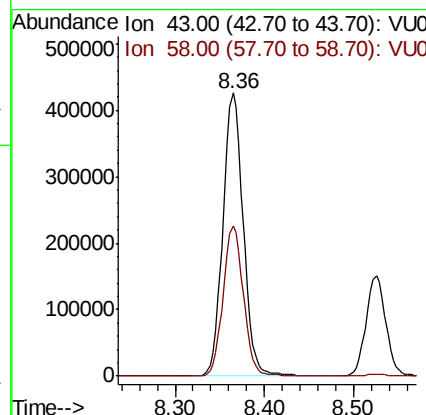
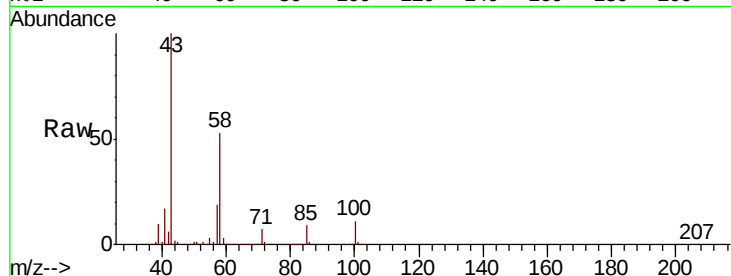
#59
2-Hexanone
Concen: 258.24 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.2	78.5

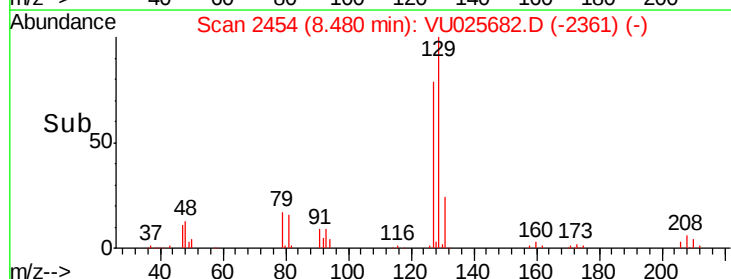
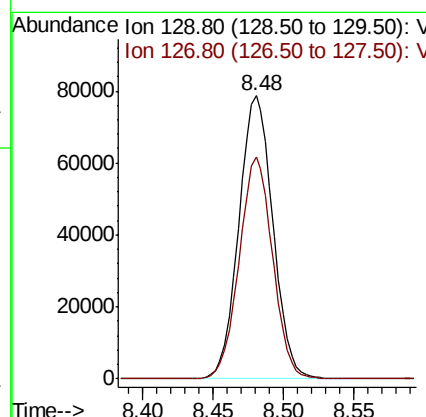
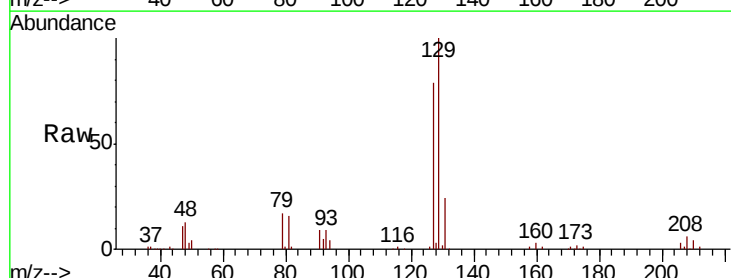
Manual Integrations
APPROVED

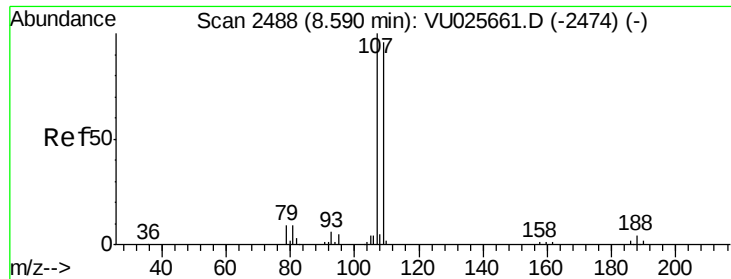
MMDadoda
7/31/2018 3:49:42 PM



#60
Dibromochloromethane
Concen: 48.20 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.8





#61

1,2-Dibromoethane

Concen: 48.63 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 126674

Ion Ratio Lower Upper

107 100

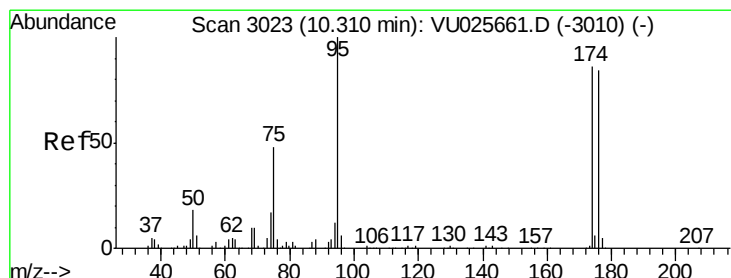
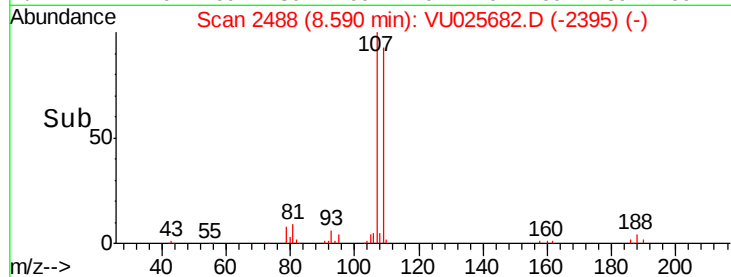
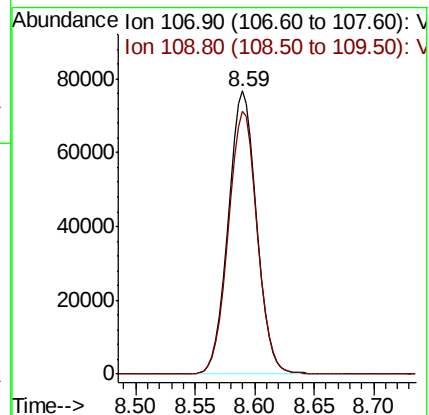
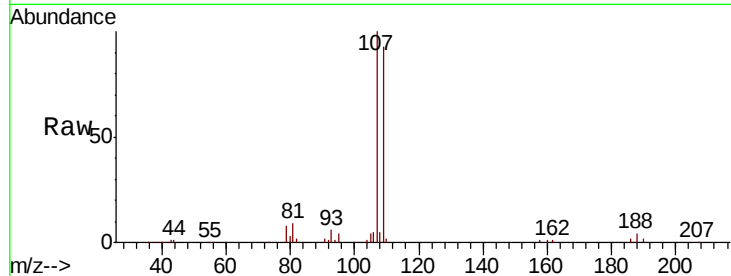
109 94.7 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

7/31/2018 3:49:42 PM



#62

4-Bromofluorobenzene

Concen: 49.82 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

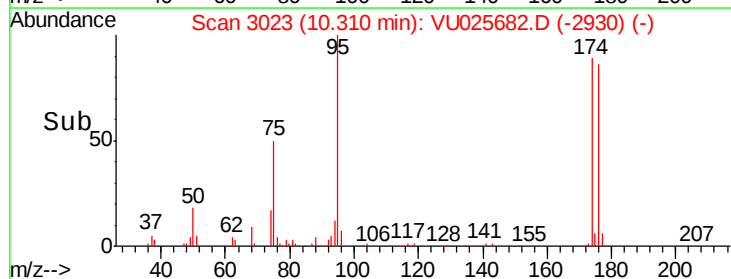
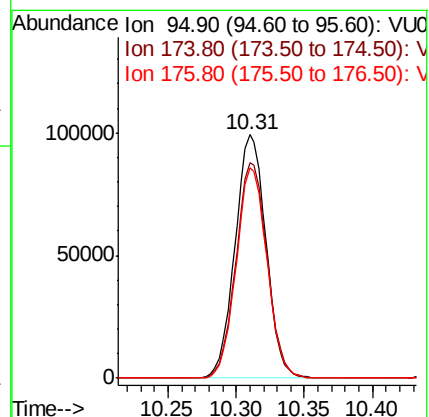
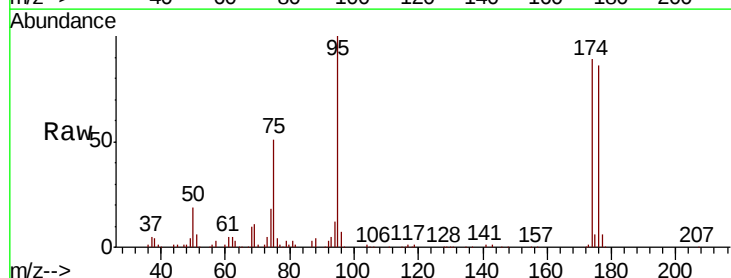
Tgt Ion: 95 Resp: 156306

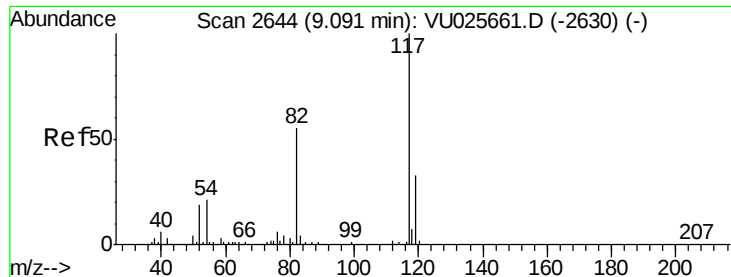
Ion Ratio Lower Upper

95 100

174 89.2 0.0 172.2

176 86.0 0.0 162.6





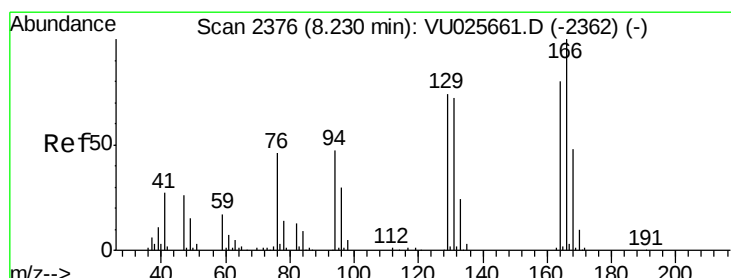
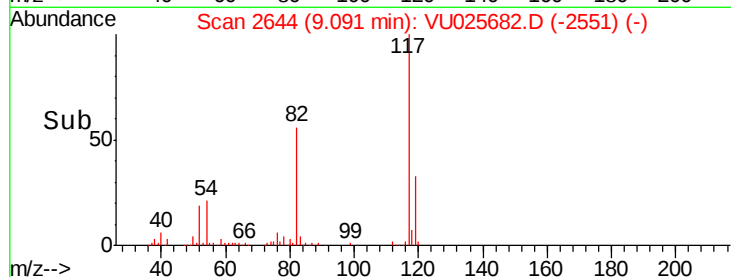
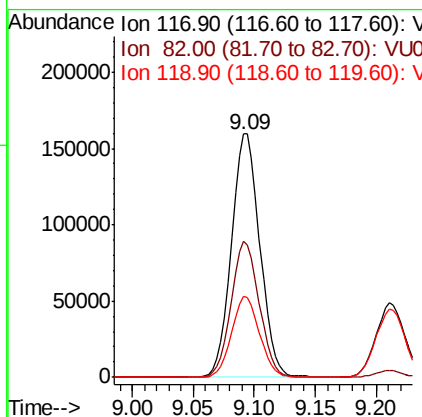
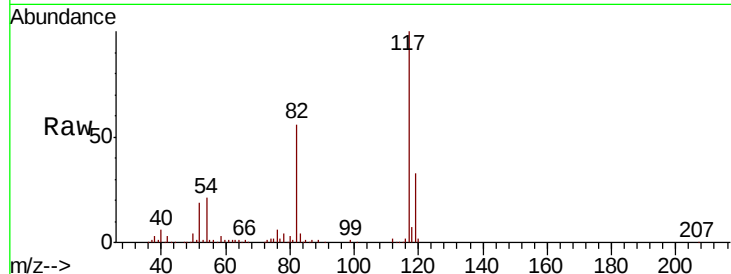
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	259106		
82	55.9		46.0	69.0
119	33.0		26.0	39.0

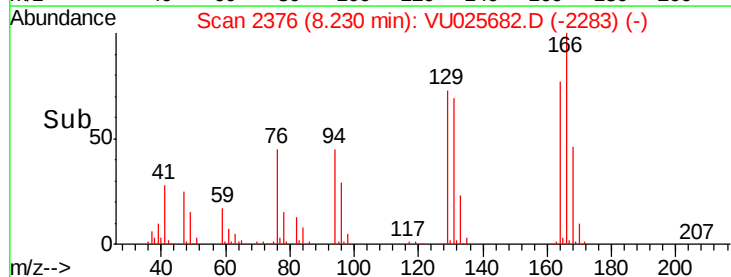
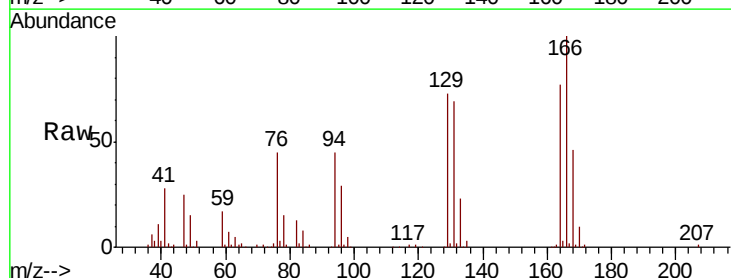
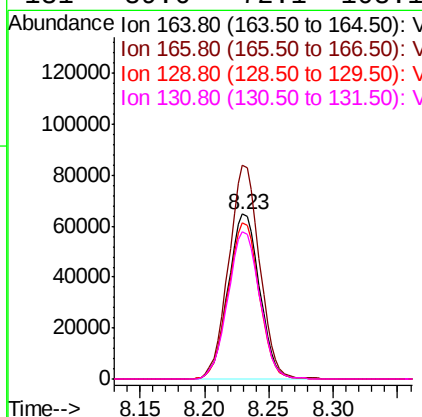
Manual Integrations
APPROVED

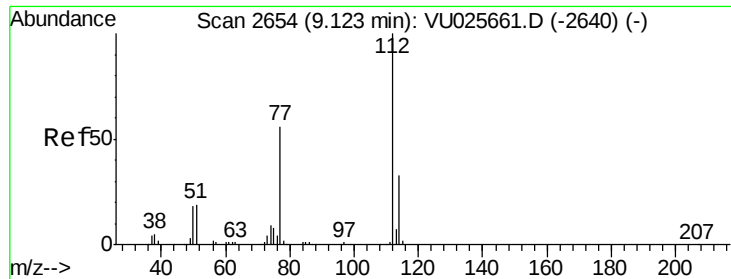
MMDadoda
7/31/2018 3:49:42 PM



#64
Tetrachloroethene
Concen: 48.10 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109707		
166	129.5		101.1	151.7
129	94.5		73.0	109.6
131	89.6		72.1	108.1





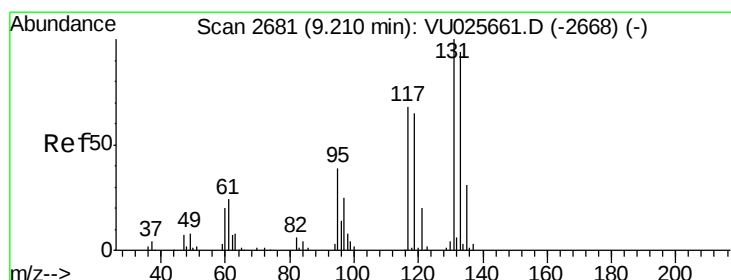
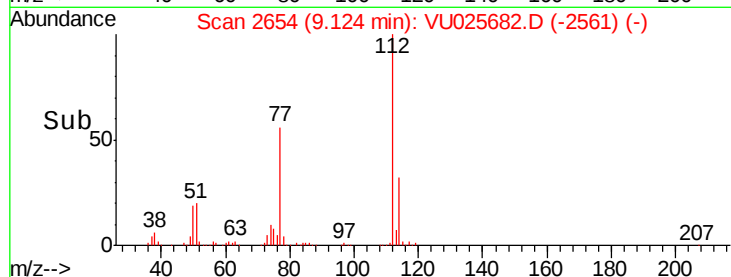
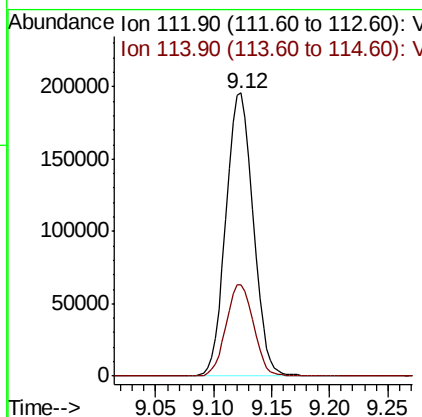
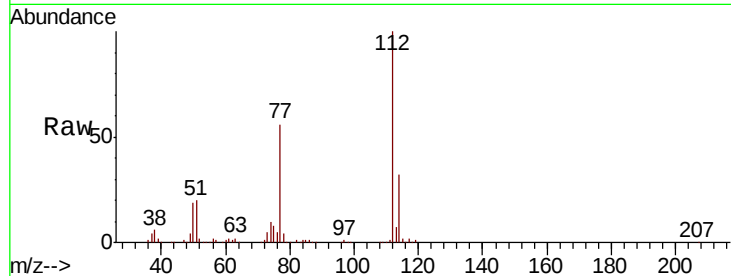
#65
Chlorobenzene
Concen: 47.71 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.8

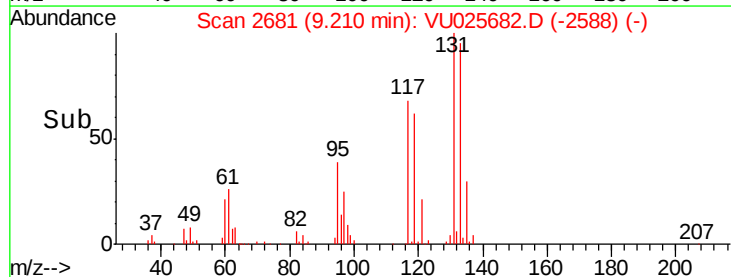
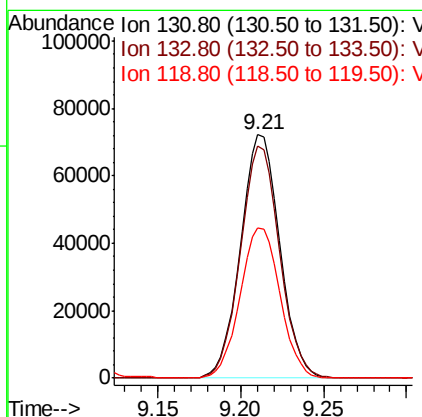
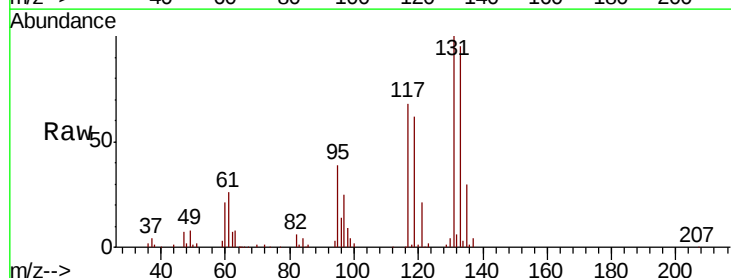
Manual Integrations
APPROVED

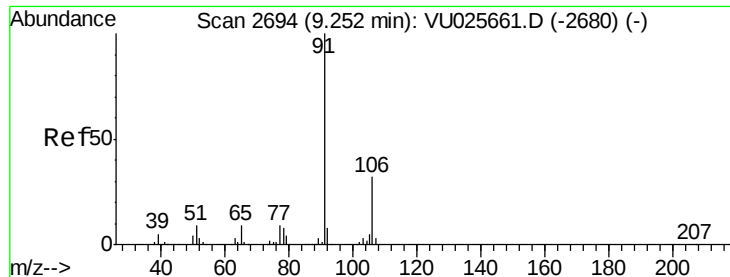
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.14 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.8	143.3
119	62.4	31.6	95.0





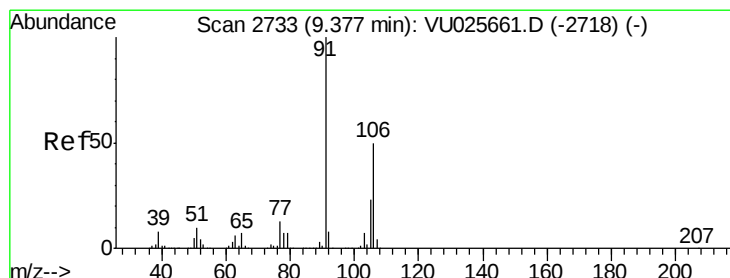
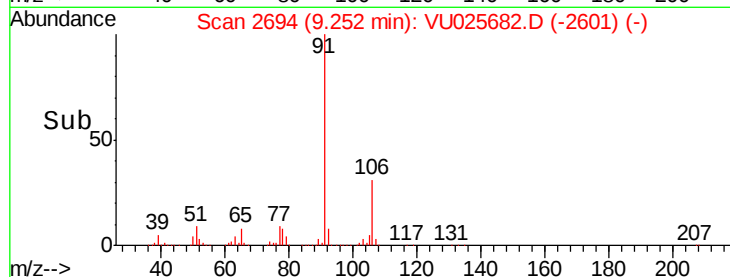
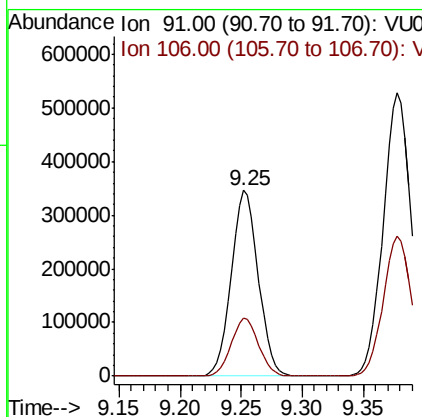
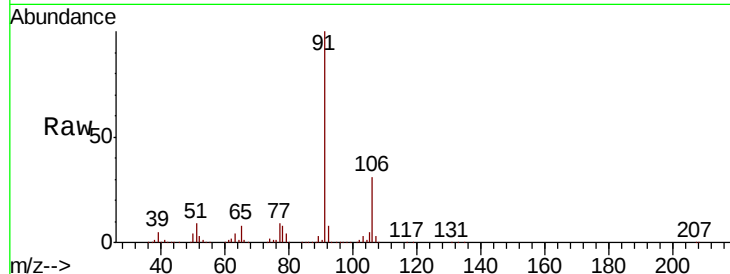
#67
Ethyl Benzene
Concen: 48.35 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.3	37.9

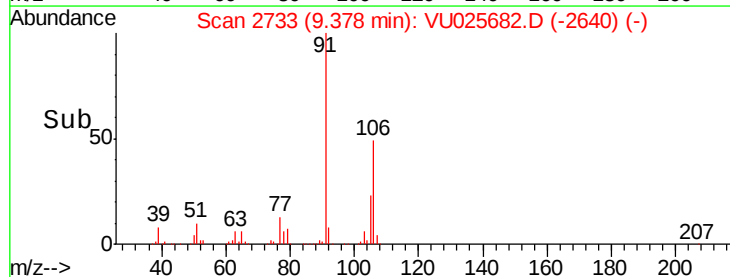
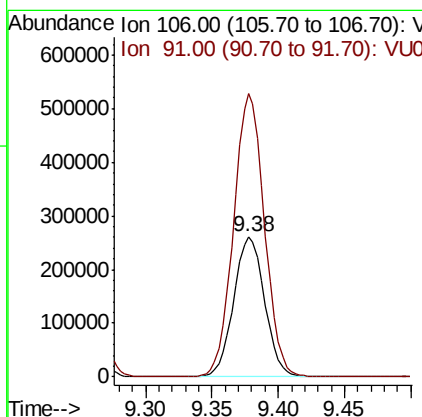
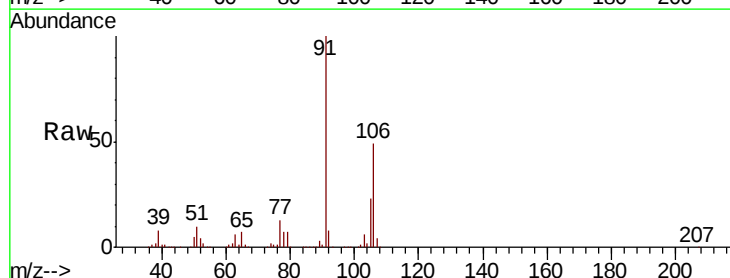
Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:49:42 PM



#68
m/p-Xylenes
Concen: 99.38 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.3	162.3	243.5





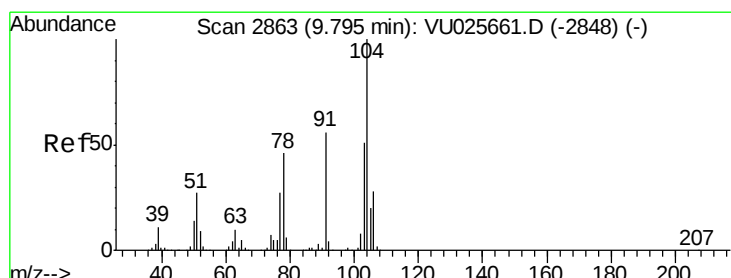
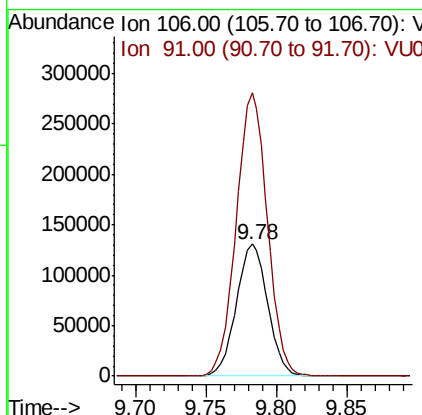
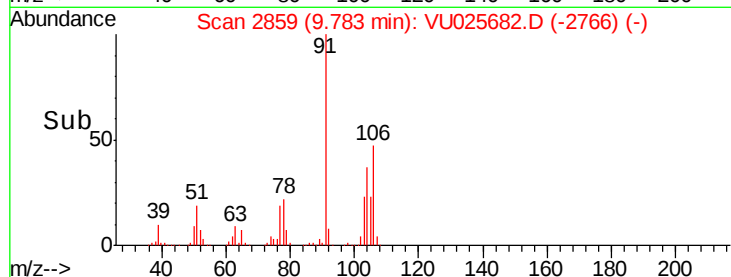
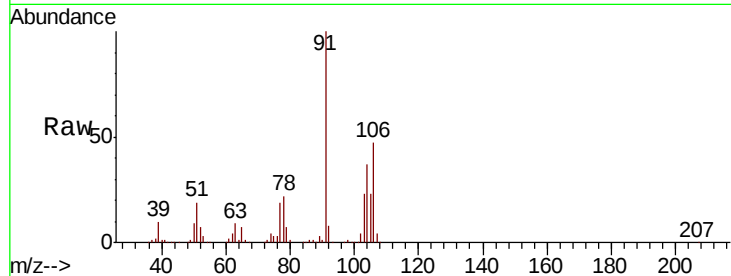
#69
o-Xylene
Concen: 49.14 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.0	105.3	315.8

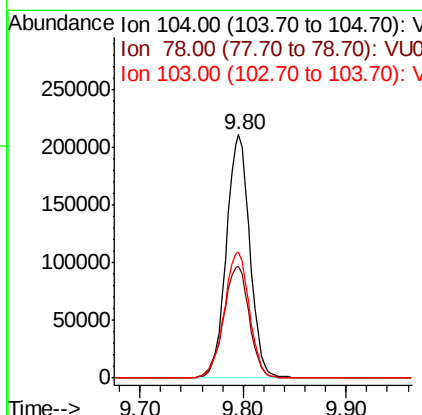
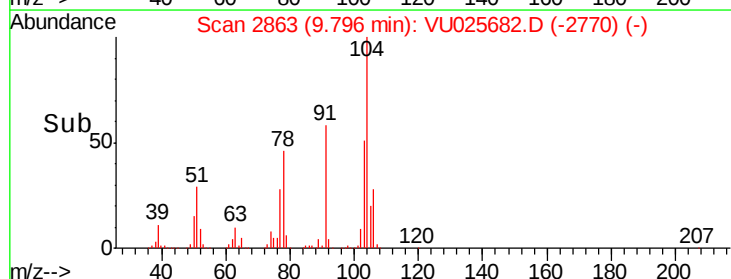
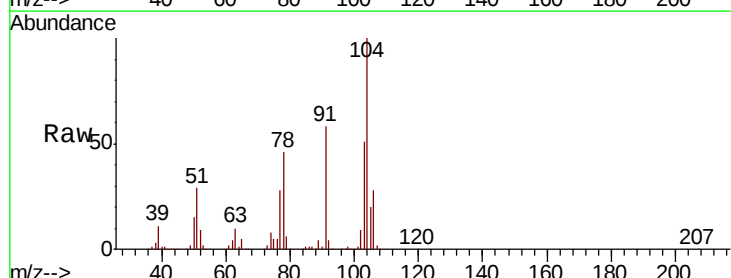
Manual Integrations
APPROVED

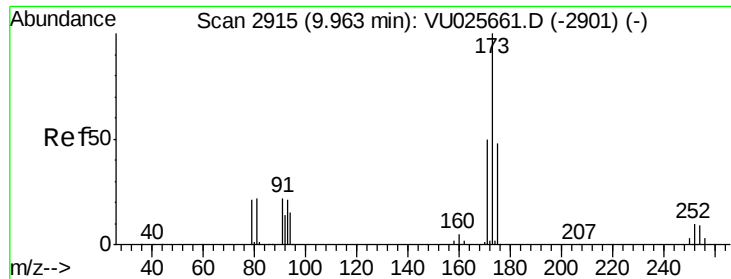
MMDadoda
7/31/2018 3:49:42 PM



#70
Styrene
Concen: 49.95 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	41.6	62.4
103	55.4	44.6	66.8





#71

Bromoform

Concen: 49.29 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

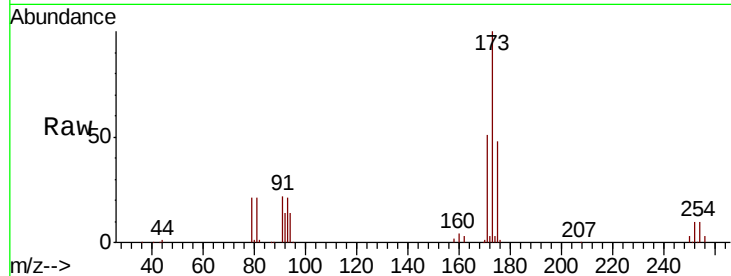
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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7/31/2018 3:49:42 PM

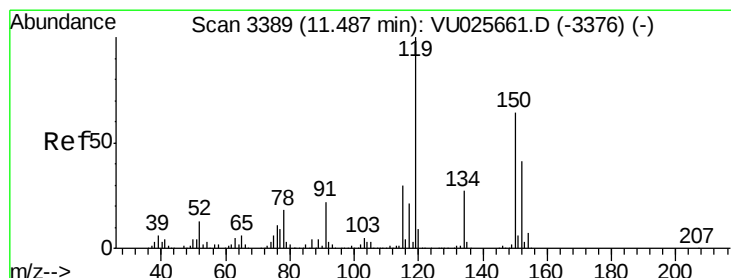
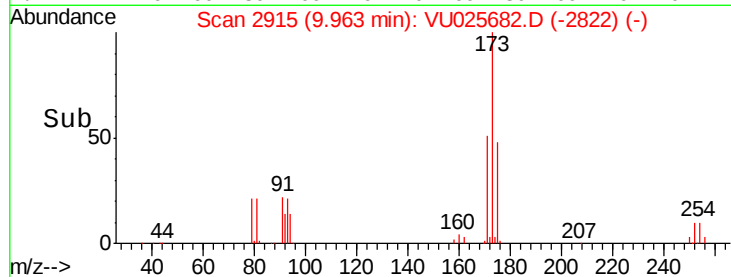
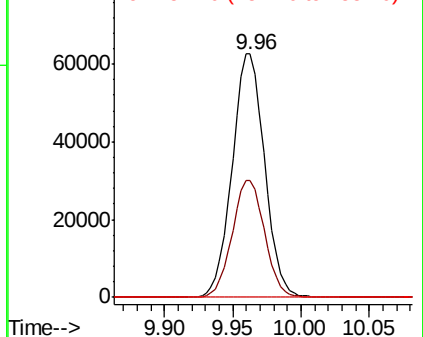


Abundance

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: VU025682.D

Acq: 27 Jul 2018 20:23

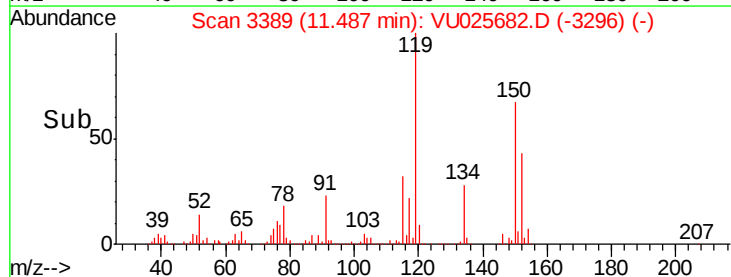
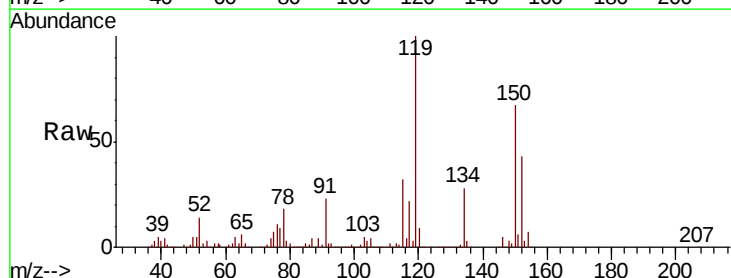
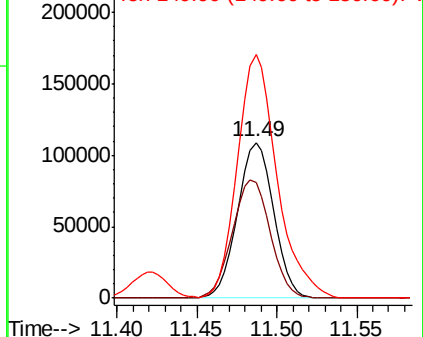
Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.1	40.1	120.3
150	172.9	0.0	351.4

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: 48.57 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 552811

Ion Ratio Lower Upper

105 100

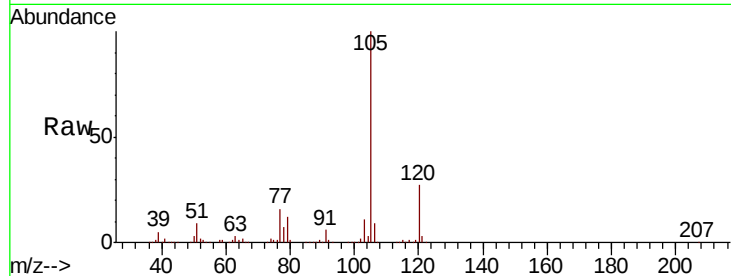
120 26.7 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

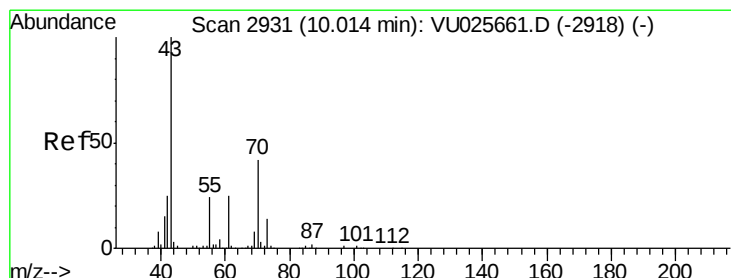
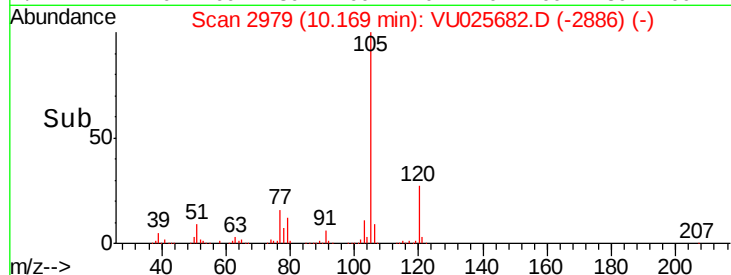
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 50.36 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion: 43 Resp: 233986

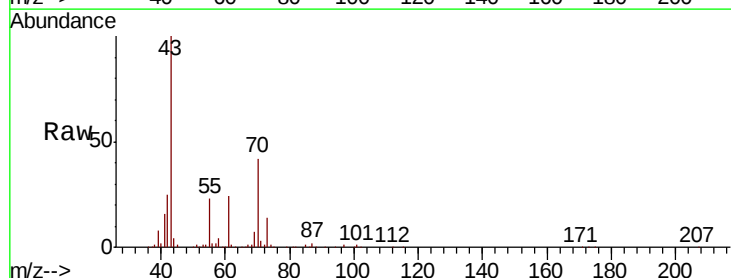
Ion Ratio Lower Upper

43 100

70 42.0 33.4 50.2

55 24.0 19.0 28.6

61 24.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

250000

200000

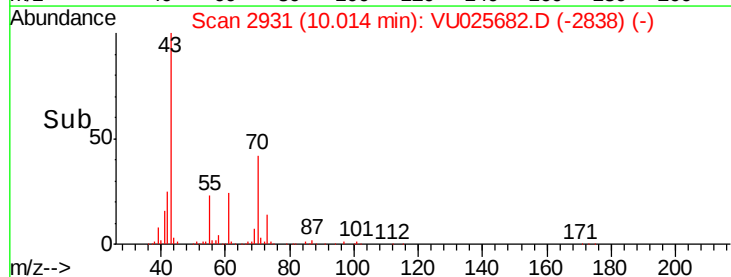
150000

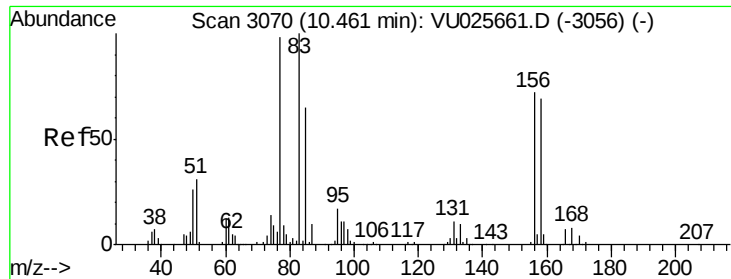
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.71 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

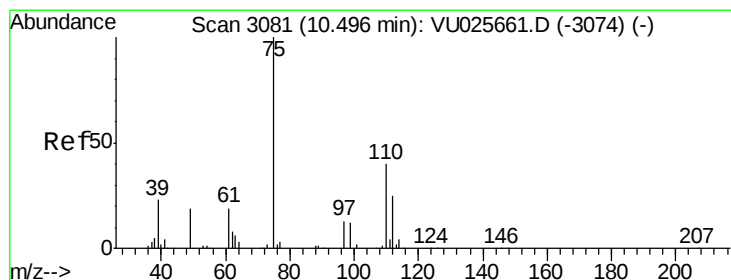
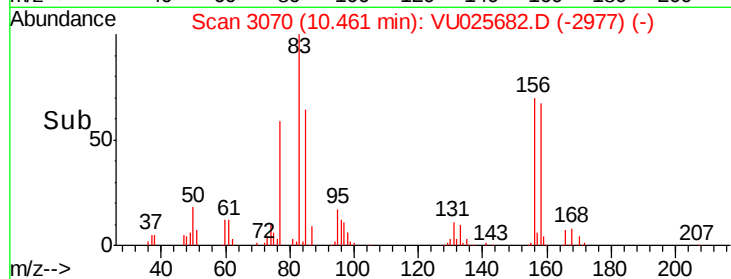
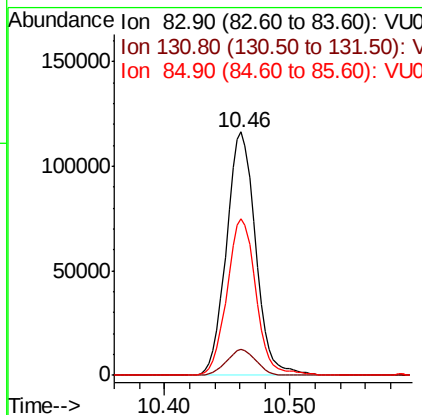
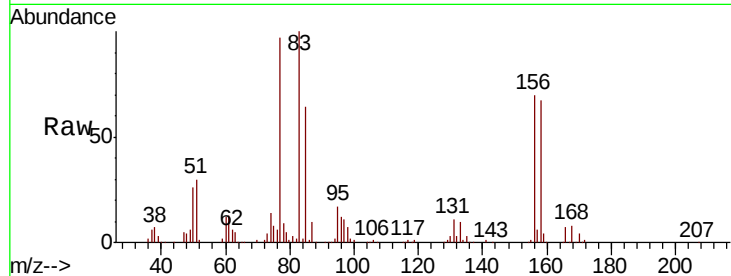
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	187767
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.3	31.6	94.8

Manual Integrations
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7/31/2018 3:49:42 PM



#76

1,2,3-Trichloropropane

Concen: 43.23 ug/l m

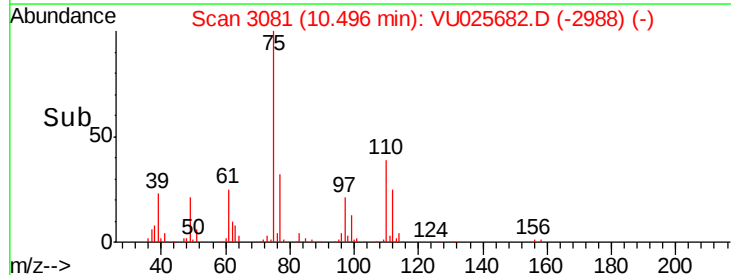
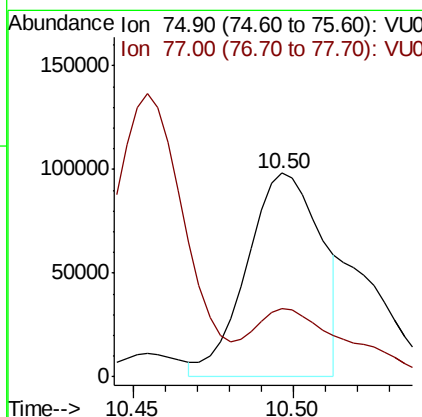
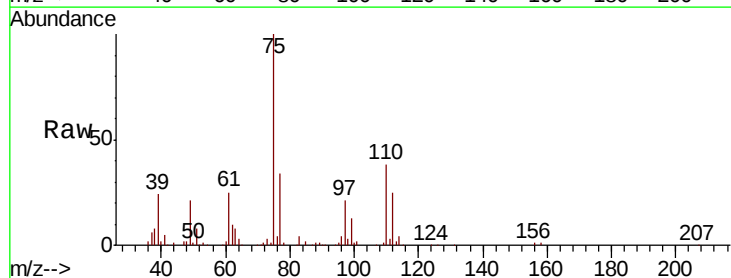
RT: 10.50 min Scan# 3081

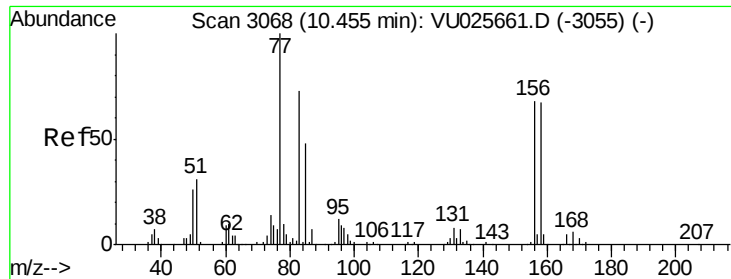
Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion:	75	Resp:	158846
Ion Ratio	Lower	Upper	
75	100		
77	44.1	20.4	61.3





#77

Bromobenzene

Concen: 47.57 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

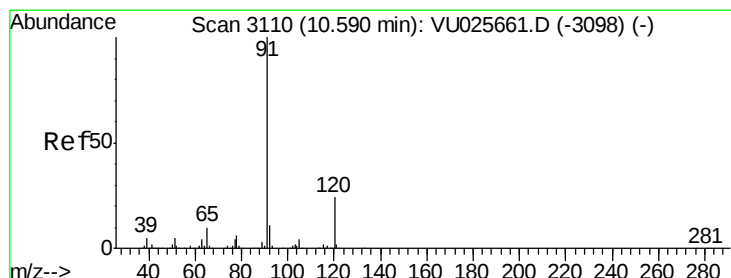
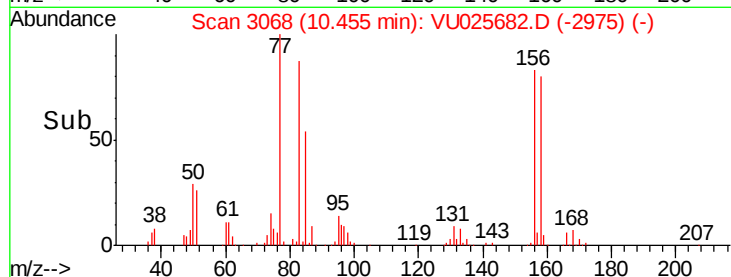
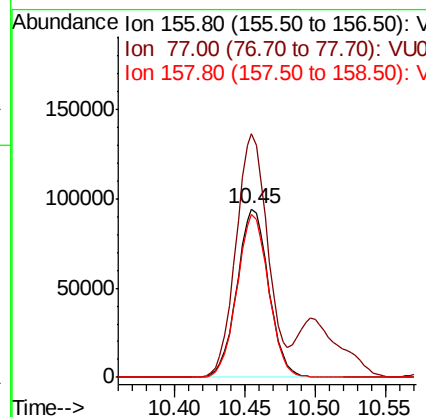
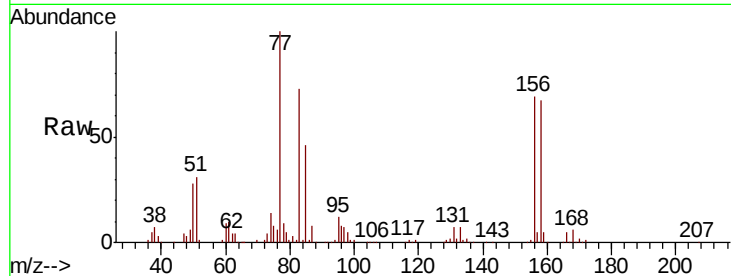
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	149323
Ion Ratio	Lower	Upper	
156	100		
77	144.9	73.8	221.4
158	96.3	48.0	144.0

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#78

n-propylbenzene

Concen: 48.85 ug/l

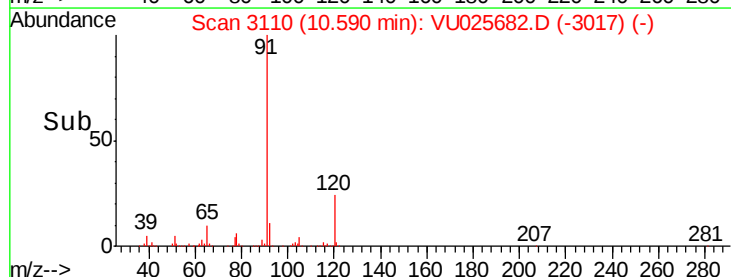
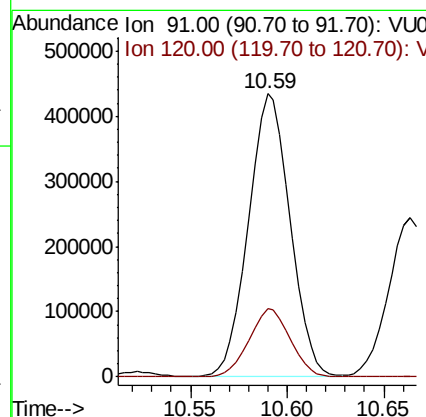
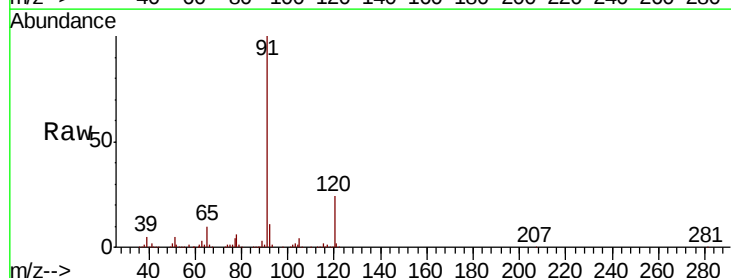
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion:	91	Resp:	648956
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.3





#79

2-Chlorotoluene

Concen: 48.60 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 378132

Ion Ratio Lower Upper

91 100

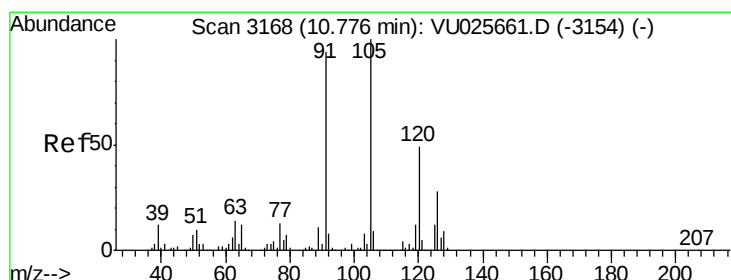
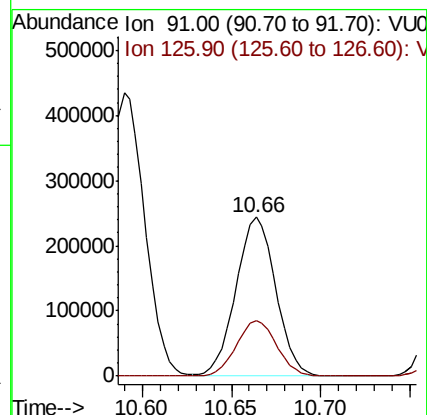
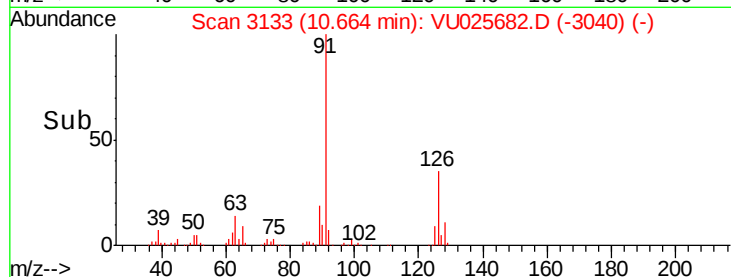
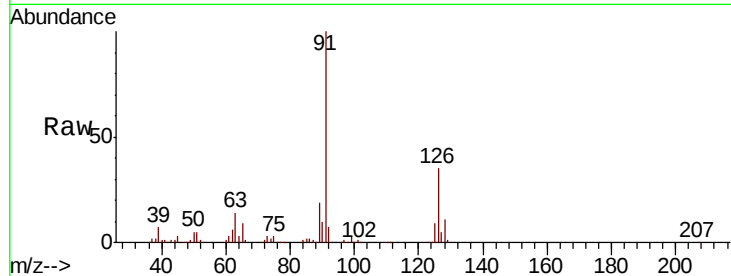
126 35.4 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 49.32 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025682.D

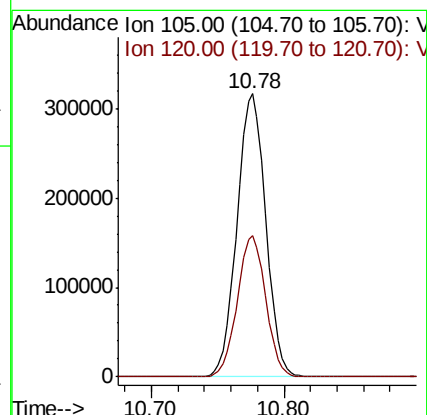
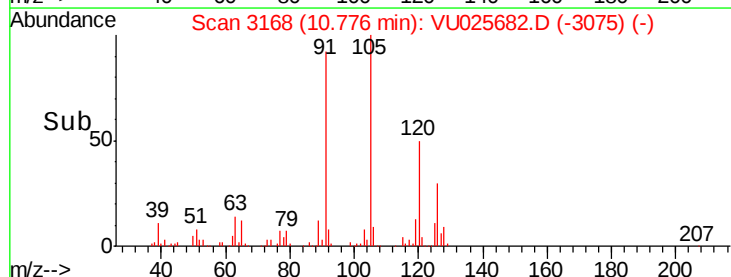
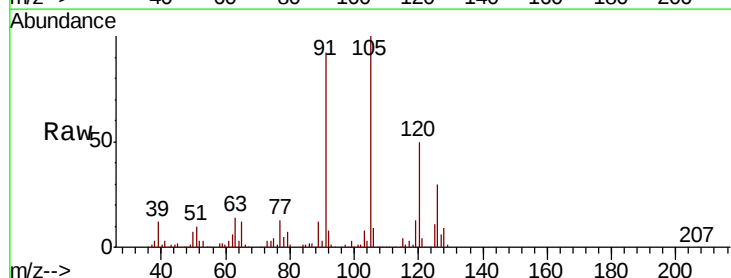
Acq: 27 Jul 2018 20:23

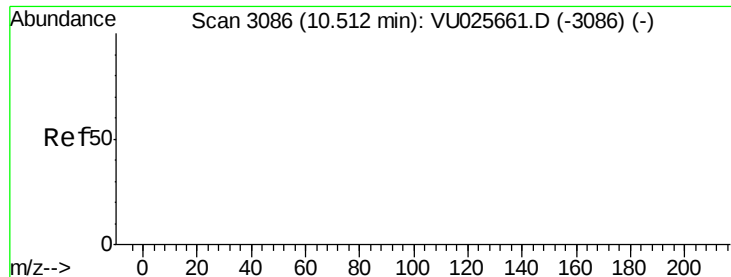
Tgt Ion: 105 Resp: 476734

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 92.04 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 134868

Ion Ratio Lower Upper

75 100

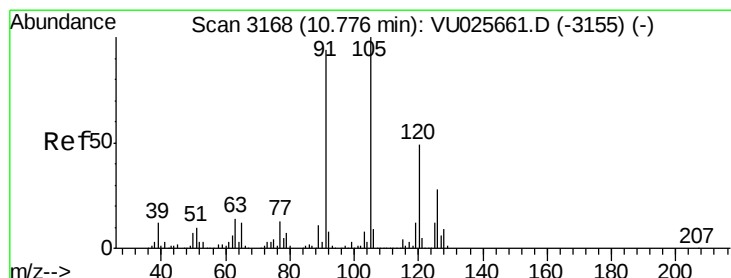
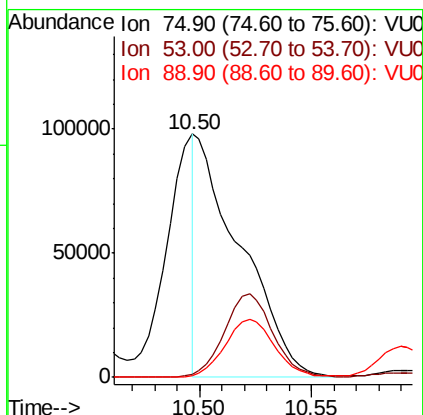
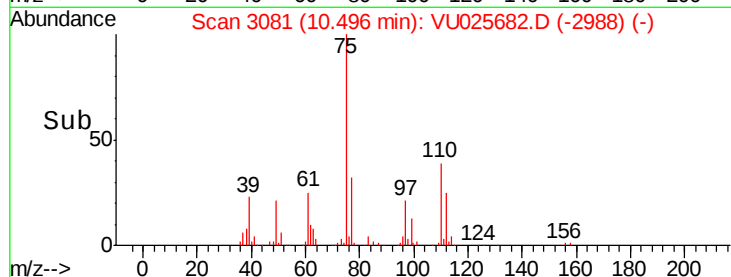
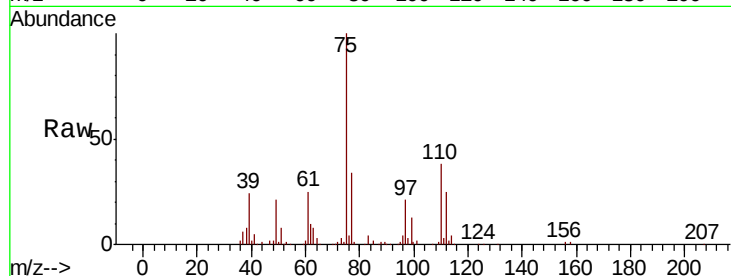
53 0.0 0.0 0.0

89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 49.05 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025682.D

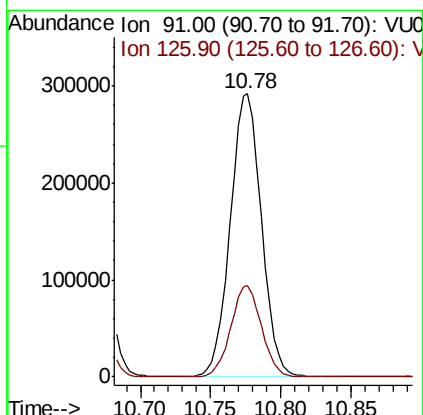
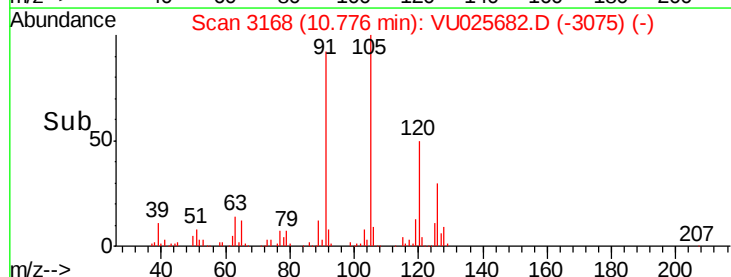
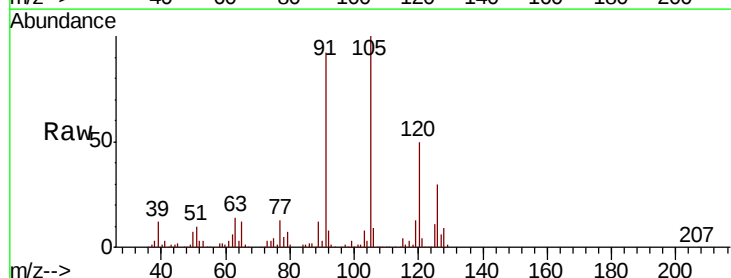
Acq: 27 Jul 2018 20:23

Tgt Ion: 91 Resp: 449889

Ion Ratio Lower Upper

91 100

126 31.6 15.3 45.9





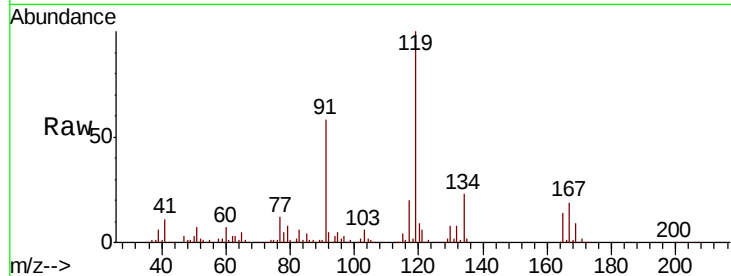
#83
 tert-Butylbenzene
 Concen: 48.12 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

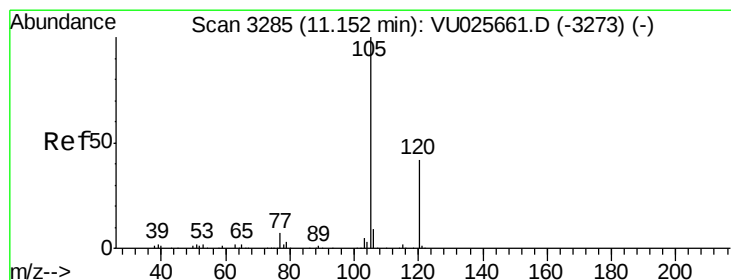
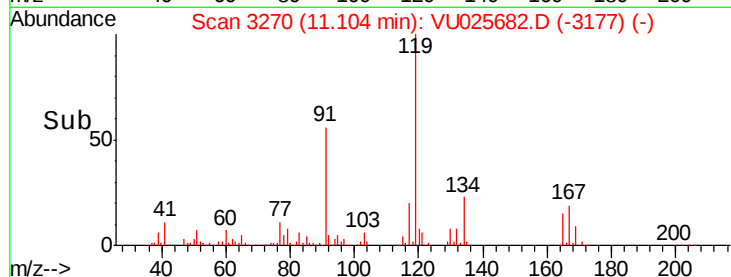
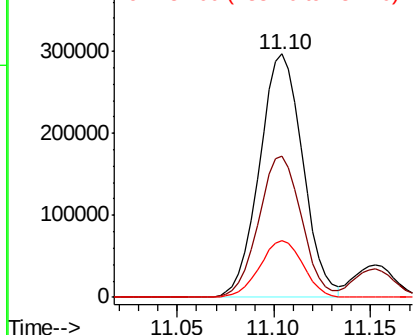
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.7	89.1
134	23.3	11.5	34.5

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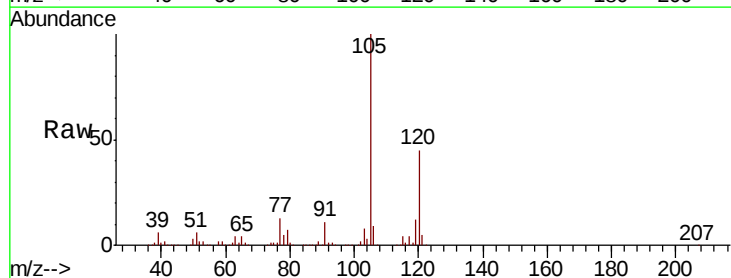


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

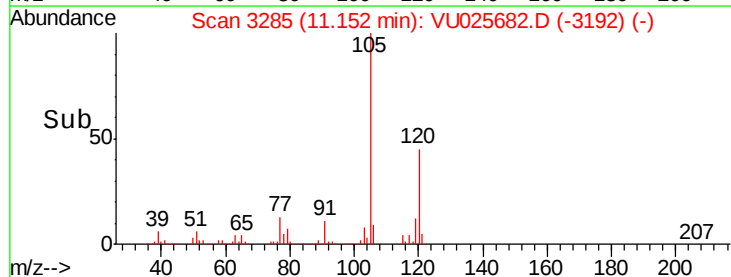
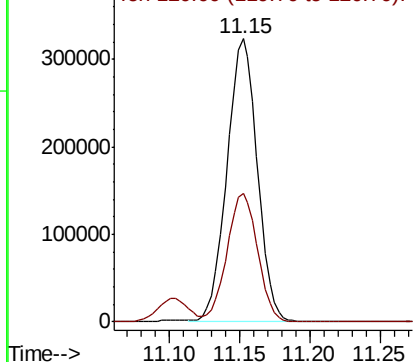


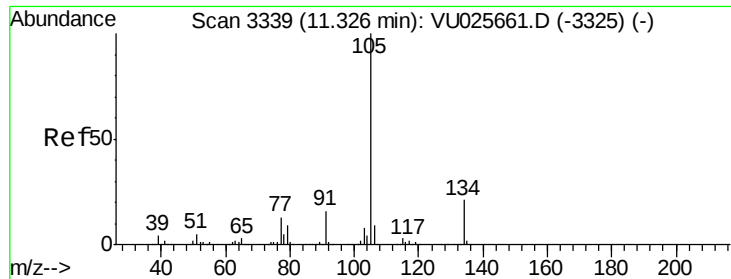
#84
 1,2,4-Trimethylbenzene
 Concen: 49.58 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8



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





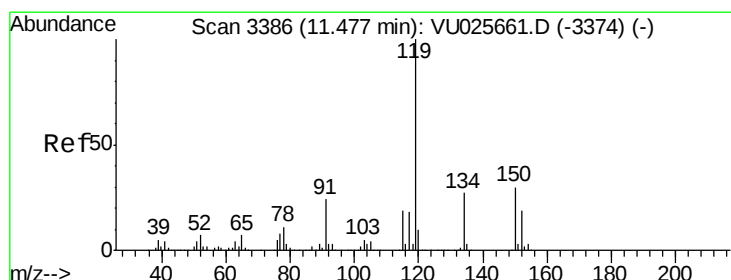
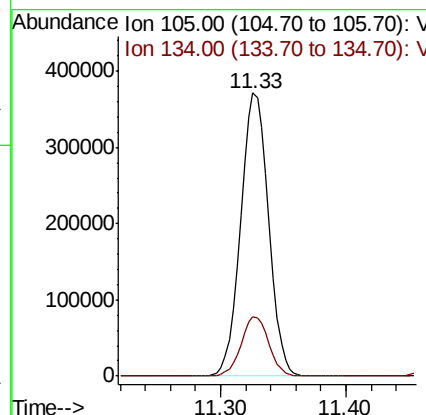
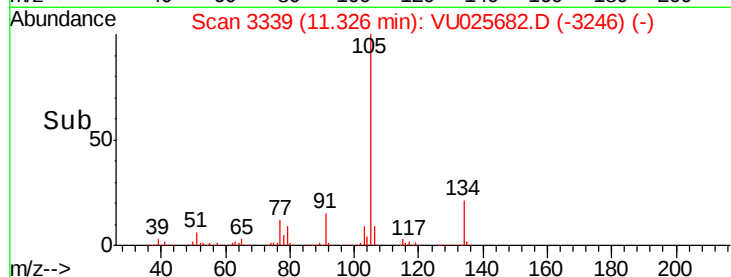
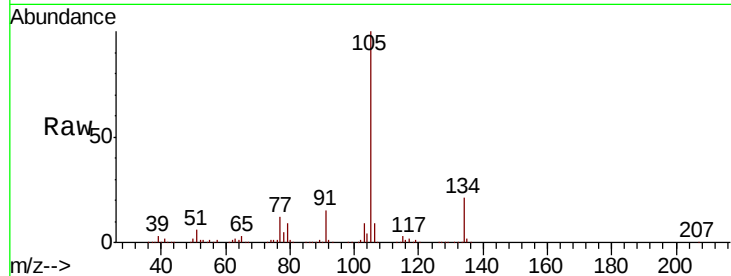
#85
 sec-Butylbenzene
 Concen: 48.78 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8

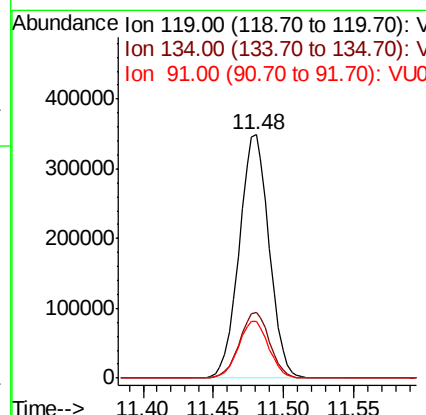
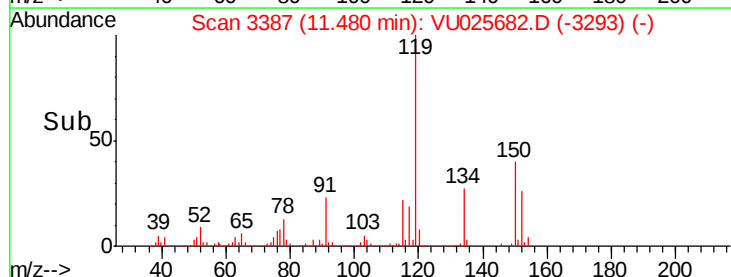
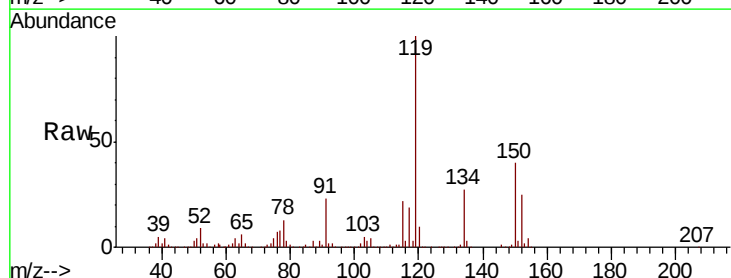
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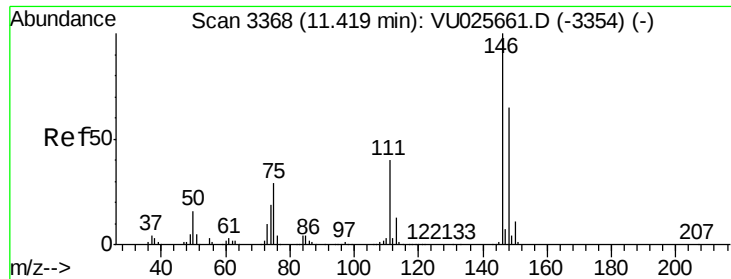
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#86
 p-Isopropyltoluene
 Concen: 49.22 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.2	39.5
91	23.7	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 47.71 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Instrument :

MSVOA_U

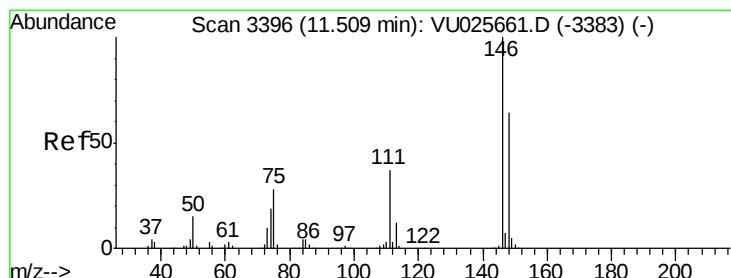
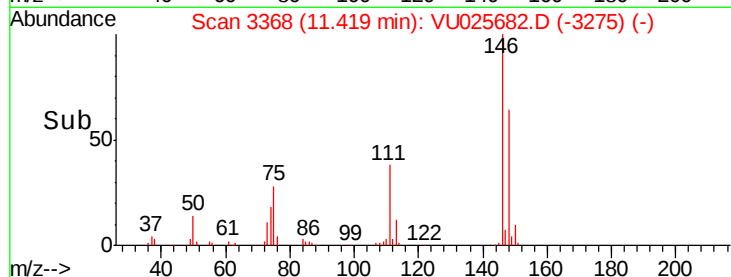
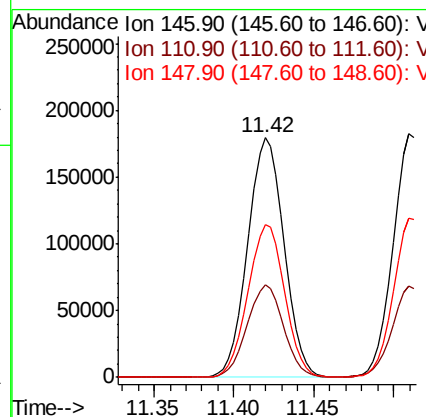
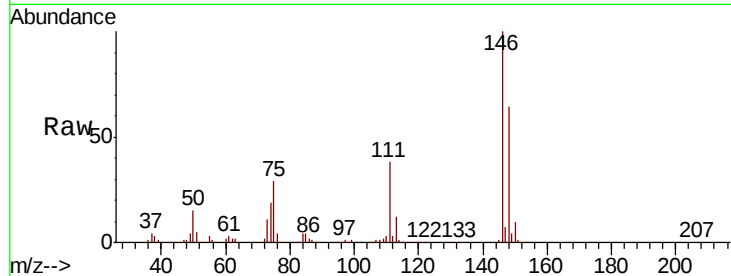
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	278014
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.7	59.1
148	64.3	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 46.51 ug/l

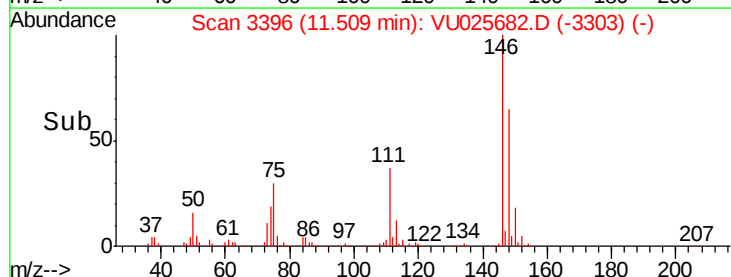
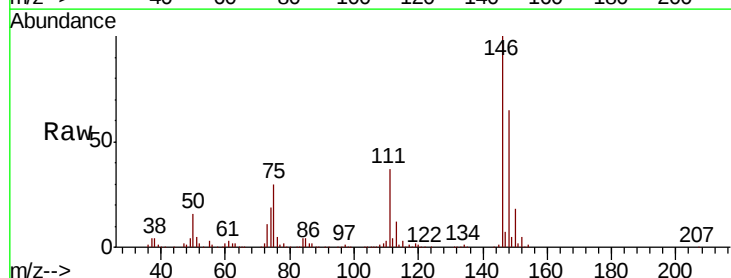
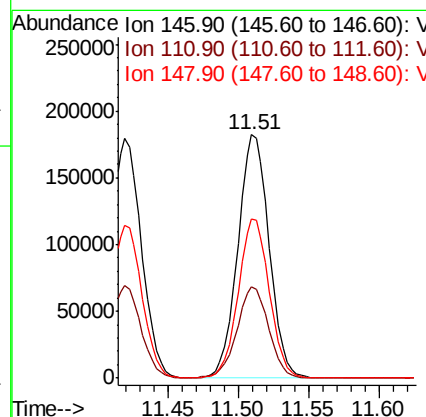
RT: 11.51 min Scan# 3396

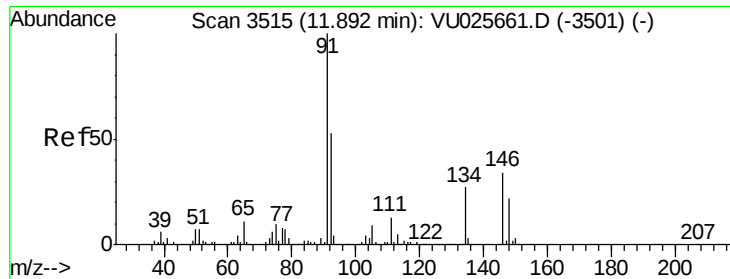
Delta R.T. 0.00 min

Lab File: VU025682.D

Acq: 27 Jul 2018 20:23

Tgt Ion:	146	Resp:	282506
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.4	58.1
148	65.0	31.7	95.1





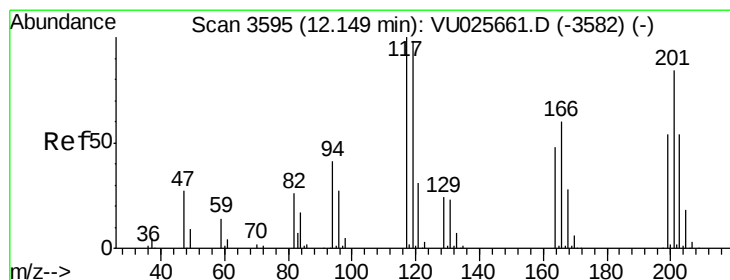
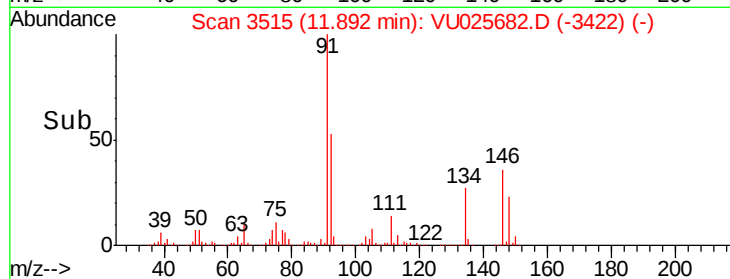
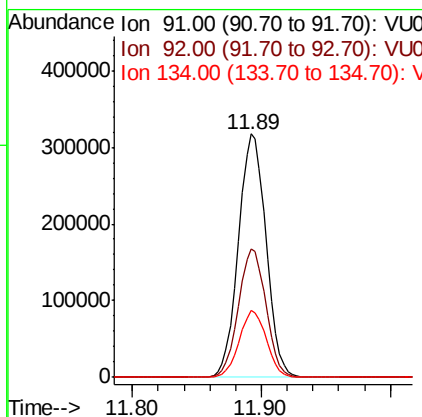
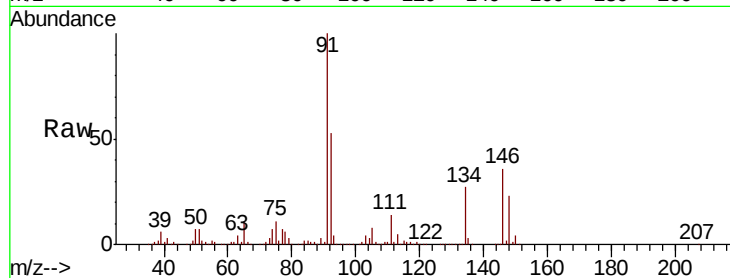
#89
n-Butylbenzene
Concen: 48.83 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	26.9	13.6	40.7

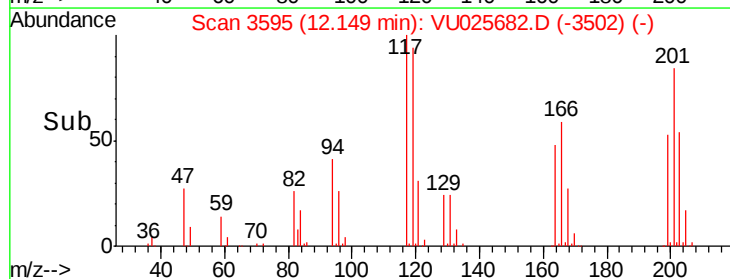
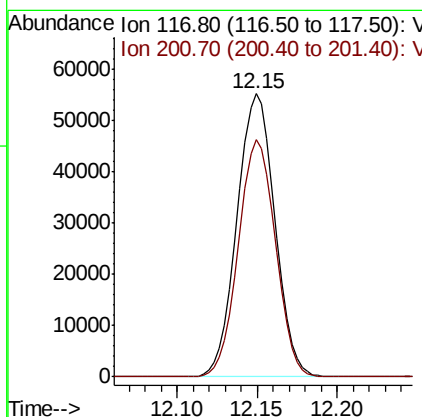
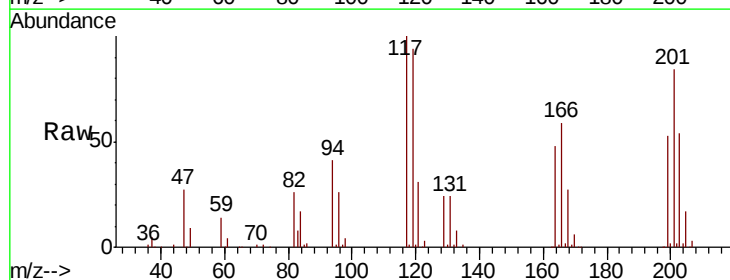
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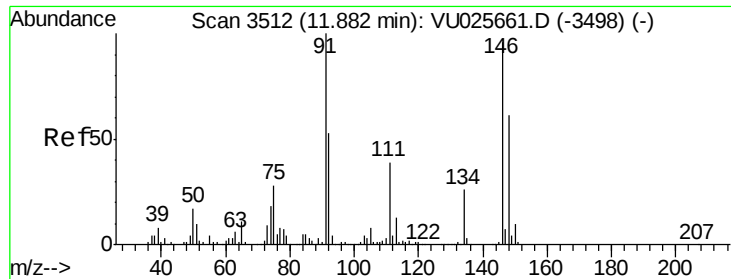
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#90
Hexachloroethane
Concen: 47.72 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	42.5	127.6





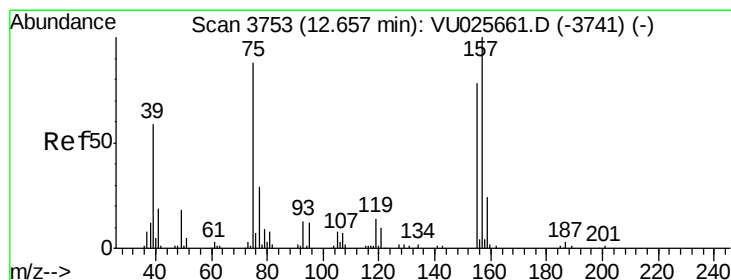
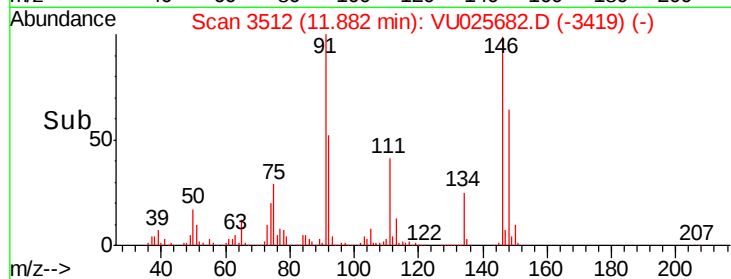
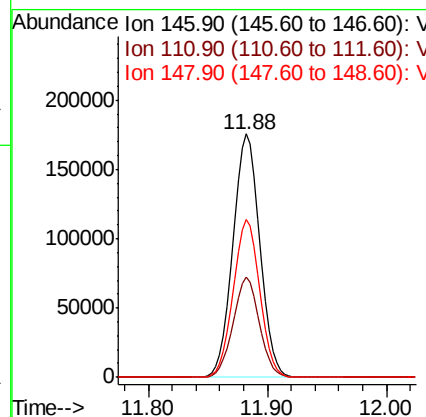
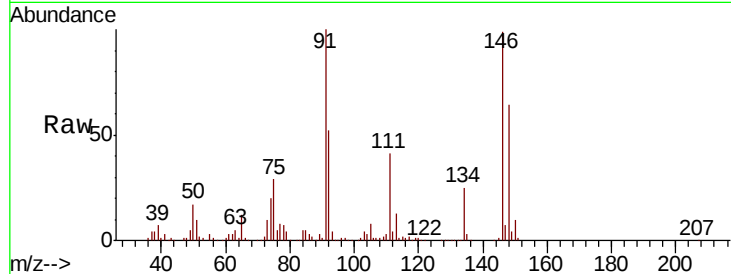
#91
 1,2-Dichlorobenzene
 Concen: 48.11 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.8
148	63.8	31.5	94.5

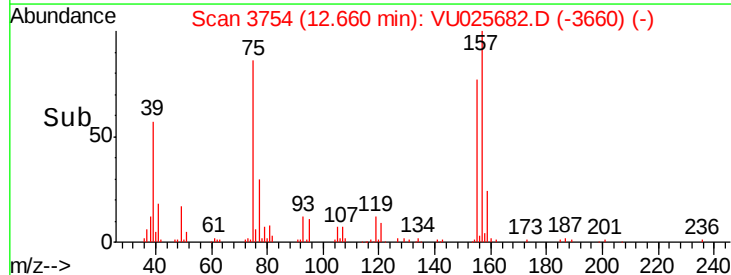
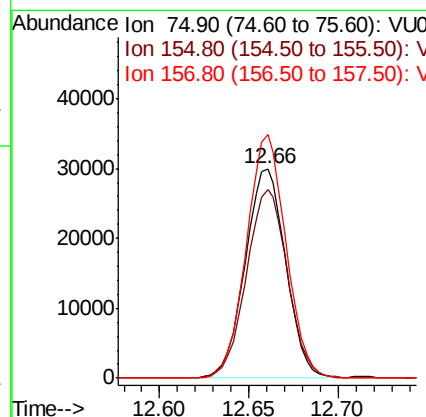
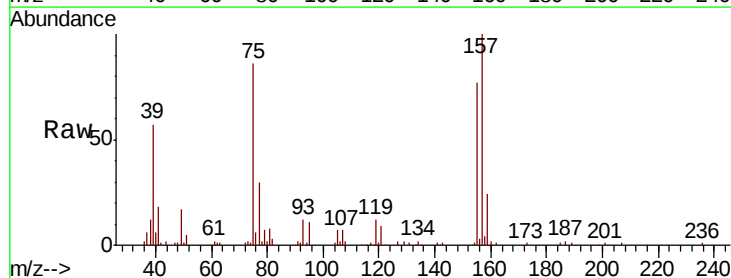
Manual Integrations
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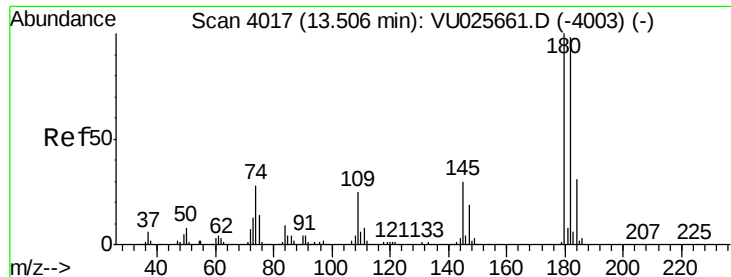
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.18 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	44.5	133.3
157	113.2	57.0	170.8





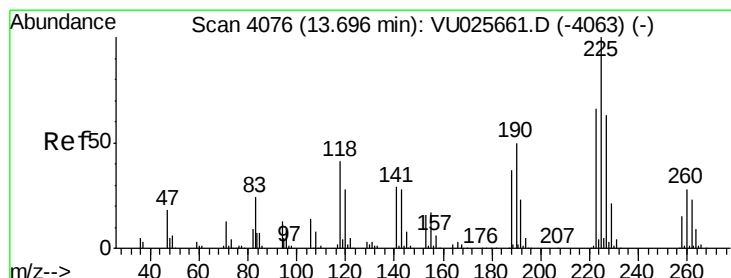
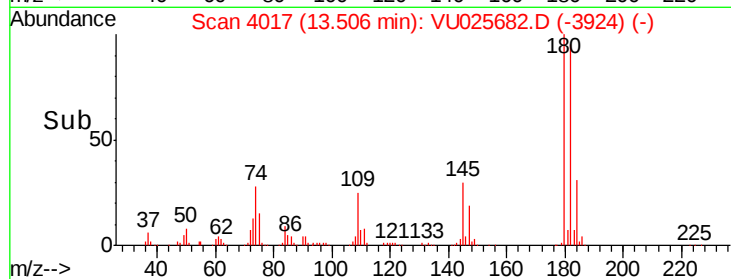
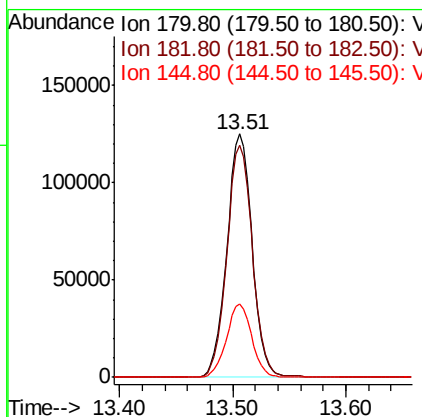
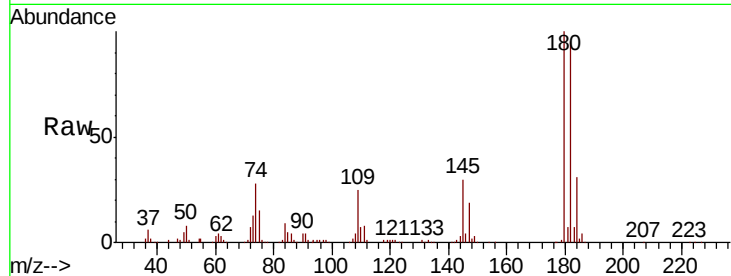
#93
 1,2,4-Trichlorobenzene
 Concen: 50.43 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.9
145	30.1	14.9	44.7

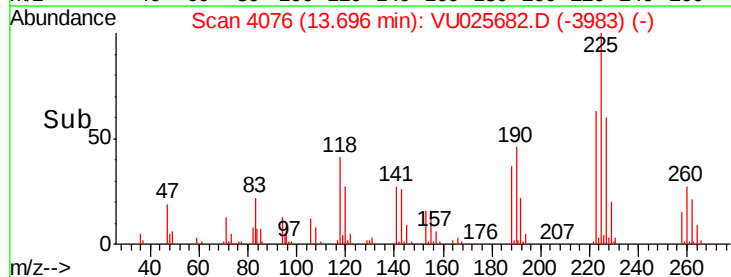
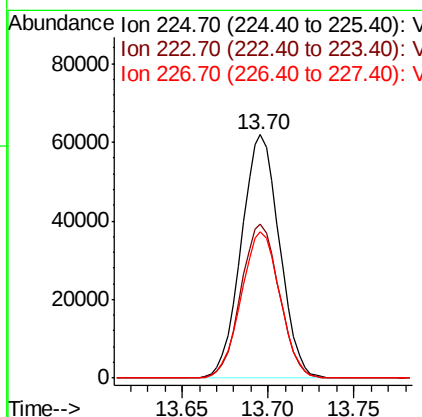
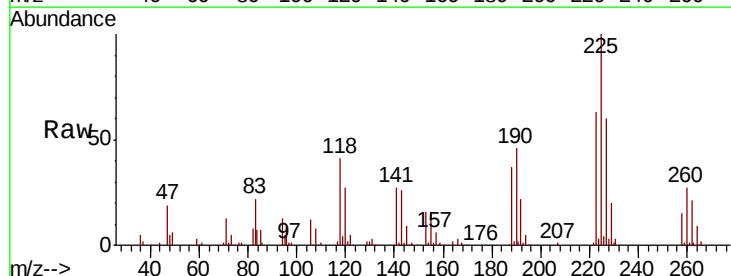
Manual Integrations
 APPROVED

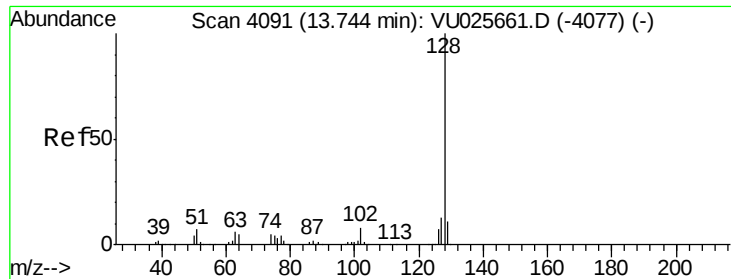
MMDadoda
 7/31/2018 3:49:42 PM



#94
 Hexachlorobutadiene
 Concen: 47.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025682.D
 Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	61.0	32.3	96.9





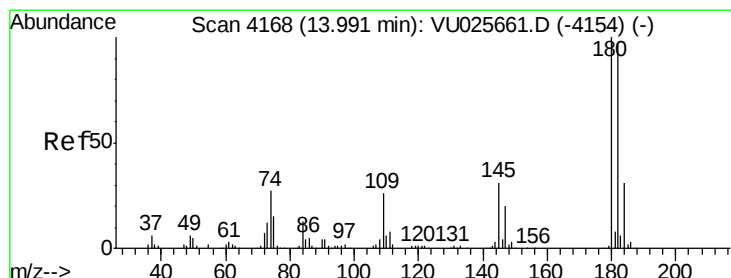
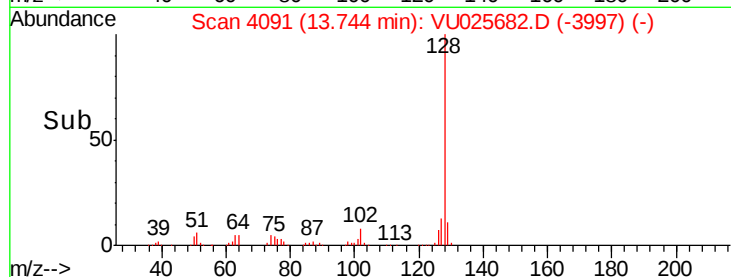
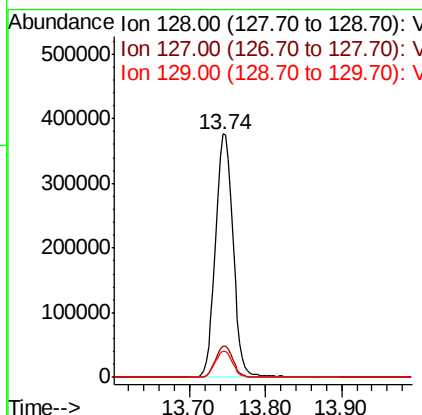
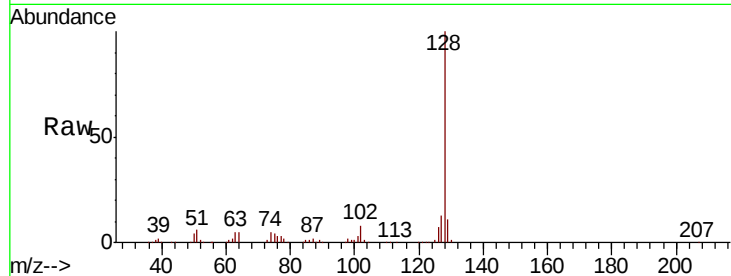
#95
Naphthalene
Concen: 48.62 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:49:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.66 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025682.D
Acq: 27 Jul 2018 20:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	30.9	15.6	46.8

