

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025684.D
 Acq On : 27 Jul 2018 21:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:49:47 PM

Quant Time: Jul 28 05:43:45 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	167795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	255216	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155344	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	134264	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	4.89	113	112479	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	7.57	98	400759	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	10.31	95	150351	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	135678	53.50	ug/l	98
3) Chloromethane	1.33	50	118723	48.98	ug/l	98
4) Vinyl Chloride	1.40	62	111011	48.66	ug/l	100
5) Bromomethane	1.62	94	57671	51.76	ug/l	99
6) Chloroethane	1.69	64	64691	48.50	ug/l	97
7) Trichlorofluoromethane	1.88	101	165545	50.19	ug/l	98
8) Diethyl Ether	2.10	74	57335	48.05	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	91280	47.82	ug/l	99
10) Methyl Iodide	2.41	142	83643	47.50	ug/l	100
11) Tert butyl alcohol	2.83	59	152254	265.99	ug/l	100
12) 1,1-Dichloroethene	2.28	96	85689	47.56	ug/l	95
13) Acrolein	2.19	56	42701	205.63	ug/l	99
14) Allyl chloride	2.59	41	151852	46.90	ug/l	99
15) Acrylonitrile	2.94	53	304949	266.83	ug/l	100
16) Acetone	2.32	43	276108	216.62	ug/l	98
17) Carbon Disulfide	2.47	76	273619	46.93	ug/l	100
18) Methyl Acetate	2.62	43	173077	56.42	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	334811	51.28	ug/l	99
20) Methylene Chloride	2.70	84	108653	48.10	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	102131	49.04	ug/l	98
22) Diisopropyl ether	3.57	45	329050	51.57	ug/l	94
23) Vinyl Acetate	3.53	43	1416366	254.74	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192394	50.23	ug/l	99
25) 2-Butanone	4.27	43	441622	254.52	ug/l	99
26) 2,2-Dichloropropane	4.23	77	148118	42.55	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	115261	49.09	ug/l	98
28) Bromochloromethane	4.55	49	87259	50.96	ug/l	100
29) Tetrahydrofuran	4.64	42	275337	264.86	ug/l	99
30) Chloroform	4.68	83	201797	49.92	ug/l	100
31) Cyclohexane	5.00	56	165008	49.52	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	181627	49.90	ug/l	98
36) 1,1-Dichloropropene	5.14	75	148664	49.84	ug/l	99
37) Ethyl Acetate	4.38	43	158827	51.36	ug/l	99
38) Carbon Tetrachloride	5.14	117	164472	48.69	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	165932	48.55	ug/l	96
40) Benzene	5.39	78	424592	48.70	ug/l	98
41) Methacrylonitrile	4.54	41	89051	51.84	ug/l	99
42) 1,2-Dichloroethane	5.41	62	165223	49.22	ug/l	99
43) Isopropyl Acetate	5.55	43	260408	50.95	ug/l	100
44) Trichloroethene	6.19	130	117978	48.59	ug/l	99
45) 1,2-Dichloropropane	6.44	63	112082	49.29	ug/l	100
46) Dibromomethane	6.56	93	80898	49.10	ug/l	100
47) Bromodichloromethane	6.76	83	156149	49.69	ug/l	96
48) Methyl methacrylate	6.63	41	131548	52.52	ug/l	97
49) 1,4-Dioxane	6.62	88	63508	1041.92	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	839421	262.36	ug/l	100
52) Toluene	7.64	92	272214	50.26	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	173831	49.26	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	179683	49.57	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	111151	49.38	ug/l	99
56) Ethyl methacrylate	8.02	69	168745	52.47	ug/l	97
57) 1,3-Dichloropropane	8.25	76	190245	50.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	357177	245.39	ug/l	100
59) 2-Hexanone	8.36	43	652868	260.31	ug/l	98
60) Dibromochloromethane	8.48	129	130051	48.99	ug/l	100
61) 1,2-Dibromoethane	8.59	107	125720	50.22	ug/l	99
64) Tetrachloroethene	8.23	164	109329	50.58	ug/l	99
65) Chlorobenzene	9.12	112	311042	49.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	116063	50.68	ug/l	98
67) Ethyl Benzene	9.25	91	530315	50.57	ug/l	98
68) m/p-Xylenes	9.38	106	413572	102.72	ug/l	99
69) o-Xylene	9.78	106	202744	51.53	ug/l	99
70) Styrene	9.80	104	331830	52.21	ug/l	98
71) Bromoform	9.96	173	100909	50.81	ug/l #	99
73) Isopropylbenzene	10.17	105	543896	51.30	ug/l	99
74) N-amyl acetate	10.01	43	231760	53.54	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	187427	51.12	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	154333m	45.09	ug/l	
77) Bromobenzene	10.45	156	147221	50.34	ug/l	98
78) n-propylbenzene	10.59	91	640264	51.74	ug/l	99
79) 2-Chlorotoluene	10.66	91	375405	51.79	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	471412	52.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	133340m	97.69	ug/l	
82) 4-Chlorotoluene	10.78	91	444593	52.04	ug/l	99
83) tert-Butylbenzene	11.10	119	459932	51.41	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	481205	52.74	ug/l	98
85) sec-Butylbenzene	11.33	105	565181	51.74	ug/l	100
86) p-Isopropyltoluene	11.48	119	510724	52.22	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	274787	50.62	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	276811	48.92	ug/l	99
89) n-Butylbenzene	11.89	91	468044	51.86	ug/l	99
90) Hexachloroethane	12.15	117	87691	50.43	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	268798	50.52	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	46079	53.01	ug/l	97

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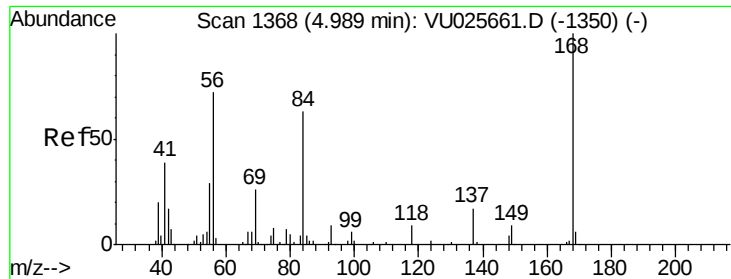
Manual Integrations
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MMDadoda
7/31/2018 3:49:47 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	190830	53.14	ug/l	98
94) Hexachlorobutadiene	13.70	225	92669	48.95	ug/l	98
95) Naphthalene	13.75	128	588588	51.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	191029	53.33	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 167795

Ion Ratio Lower Upper

168 100

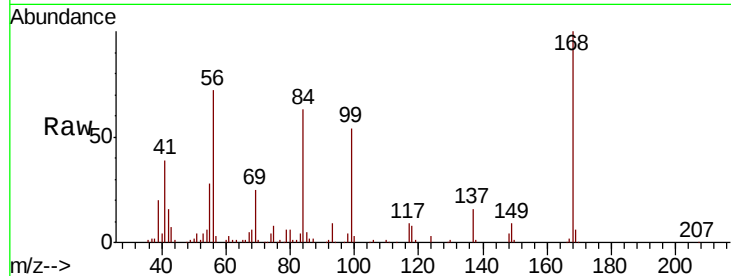
99 53.5 42.8 64.2

Manual Integrations

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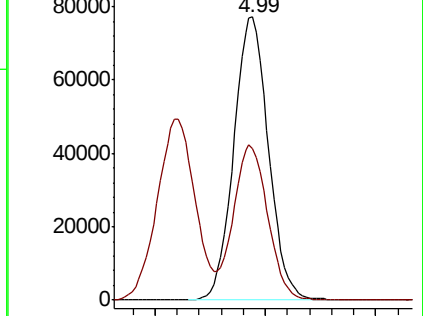
MMDadoda

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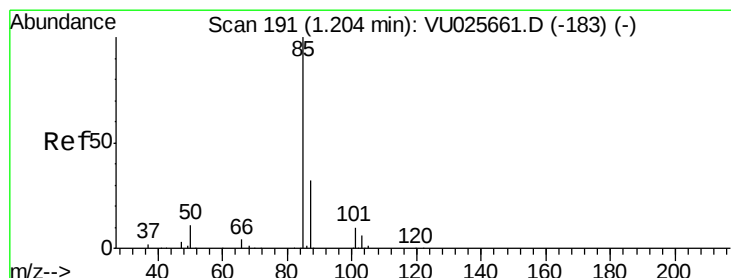
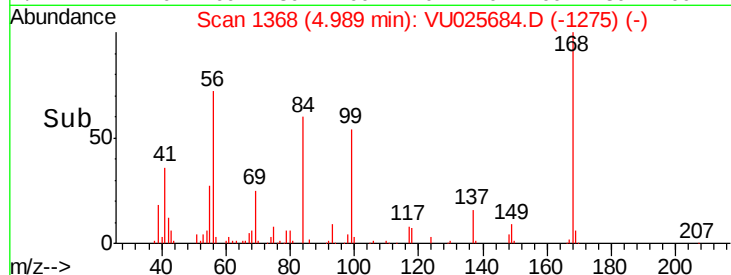


Abundance Ion 167.90 (167.60 to 168.60): VU025684.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025684.D (-1275) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: 53.50 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025684.D

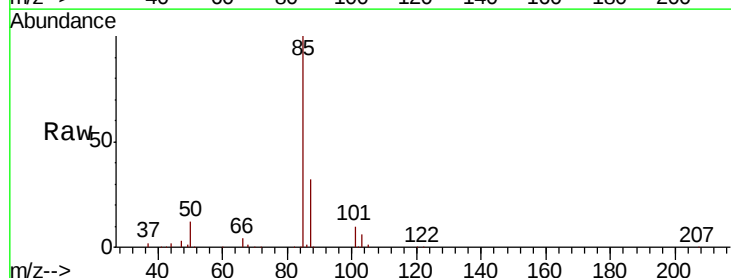
Acq: 27 Jul 2018 21:33

Tgt Ion: 85 Resp: 135678

Ion Ratio Lower Upper

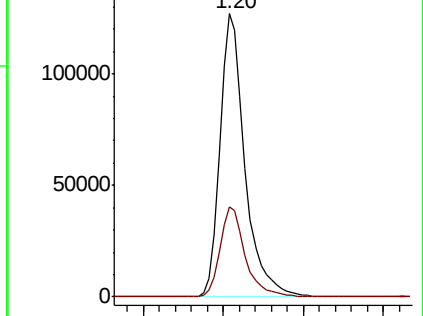
85 100

87 31.9 16.5 49.5

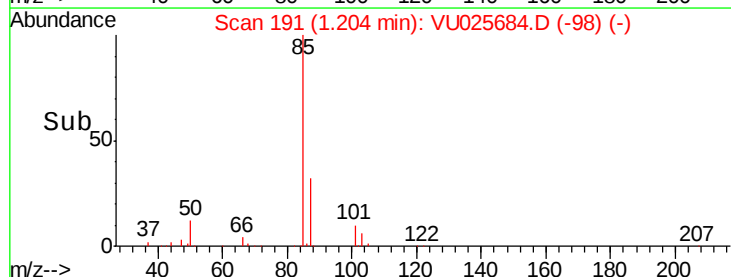


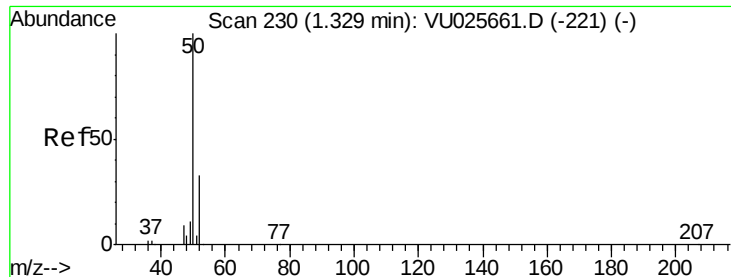
Abundance Ion 84.90 (84.60 to 85.60): VU025684.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025684.D (-98) (-)



Time-->





#3

Chloromethane

Concen: 48.98 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 118723

Ion Ratio Lower Upper

50 100

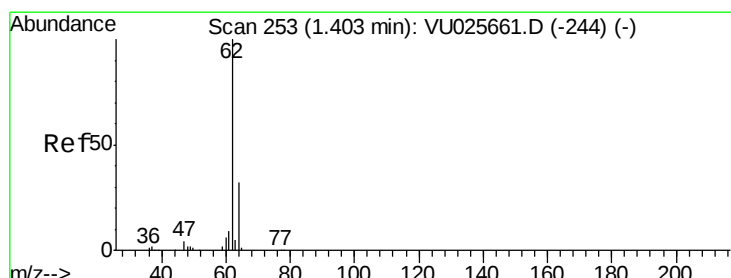
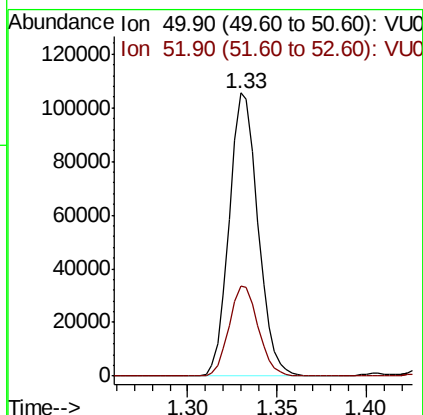
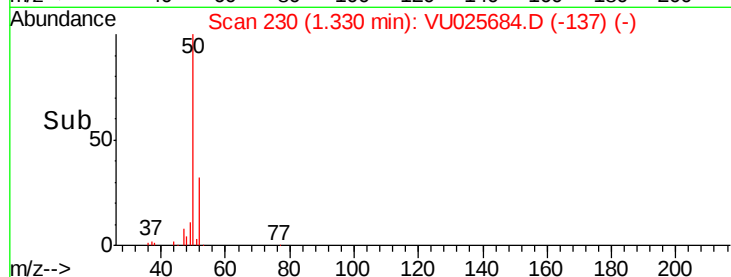
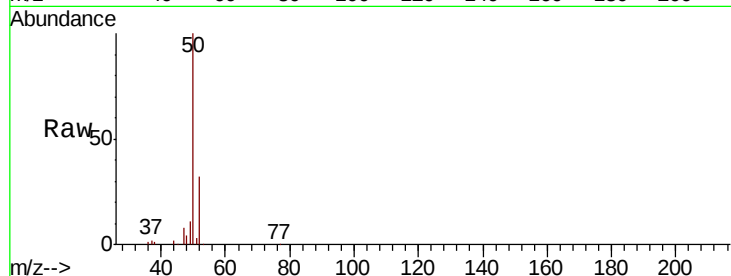
52 31.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.66 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025684.D

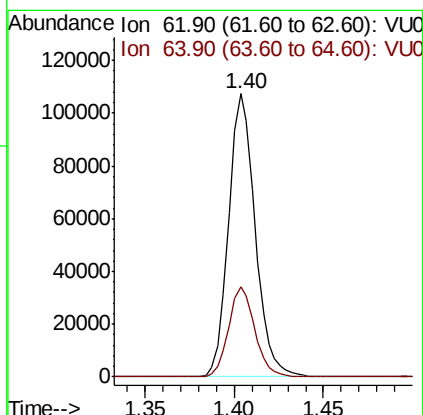
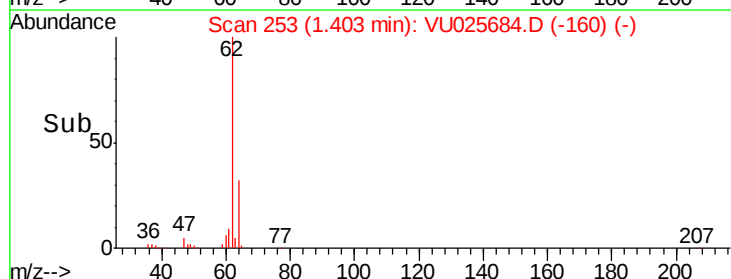
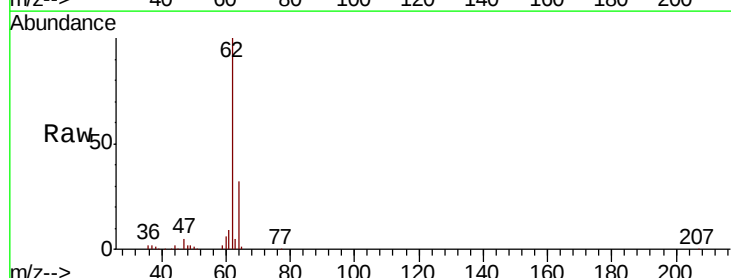
Acq: 27 Jul 2018 21:33

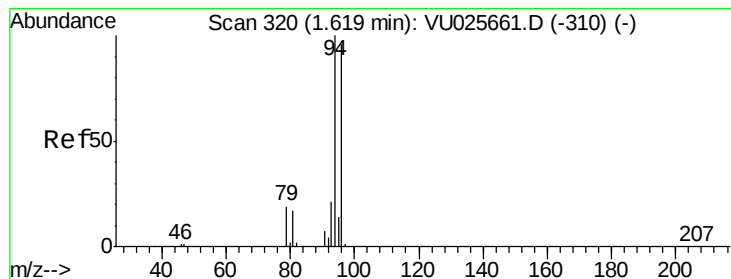
Tgt Ion: 62 Resp: 111011

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 51.76 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 57671

Ion Ratio Lower Upper

94 100

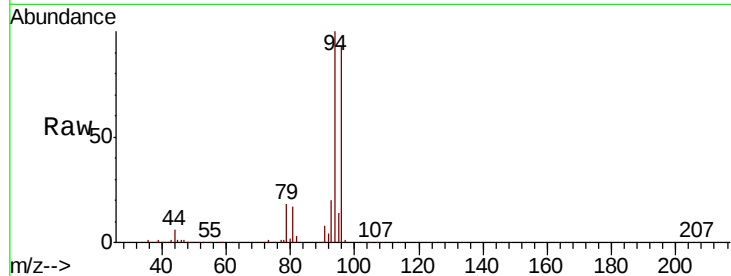
96 92.8 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

50000

40000

30000

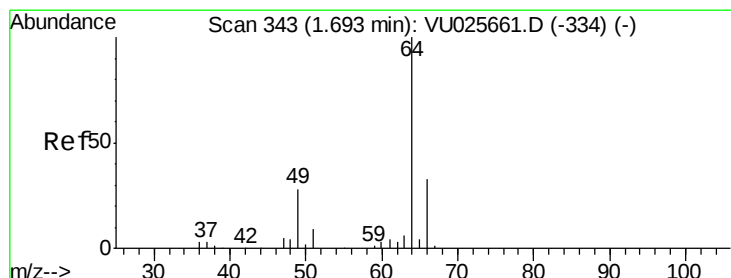
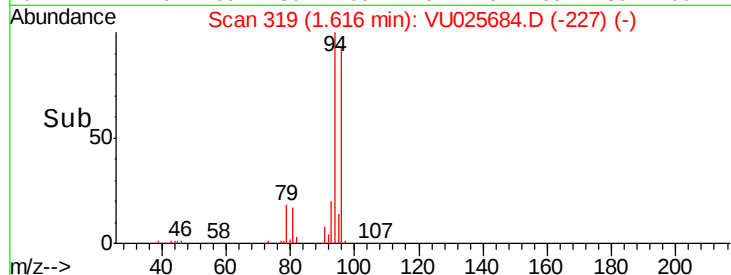
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 48.50 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025684.D

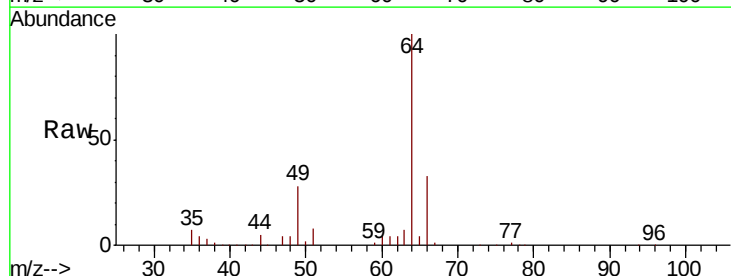
Acq: 27 Jul 2018 21:33

Tgt Ion: 64 Resp: 64691

Ion Ratio Lower Upper

64 100

66 33.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

50000

40000

30000

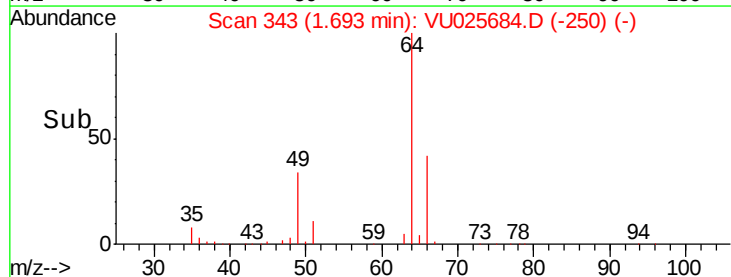
20000

10000

0

Time-->

1.65 1.70 1.75





#7

Trichlorofluoromethane

Concen: 50.19 ug/l

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 165545

Ion Ratio Lower Upper

101 100

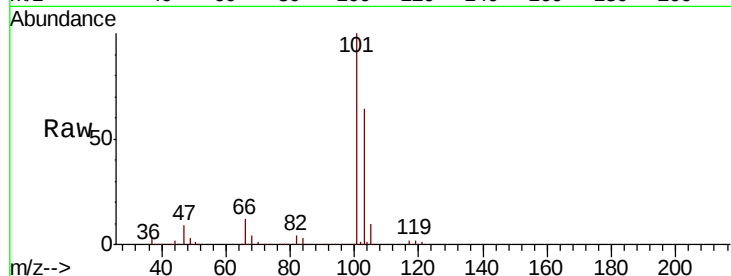
103 64.0 52.2 78.2

Manual Integrations

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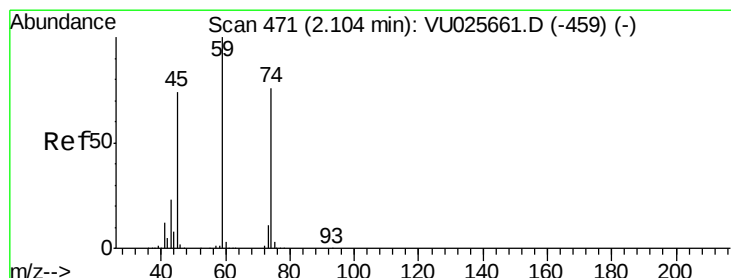
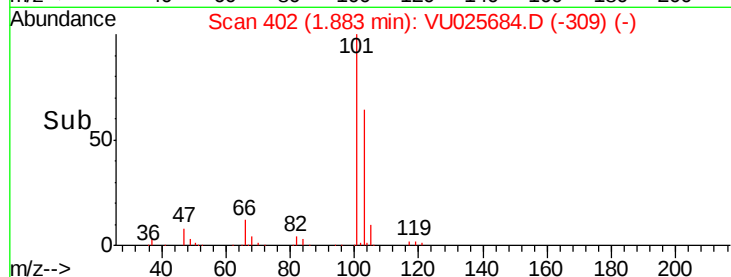
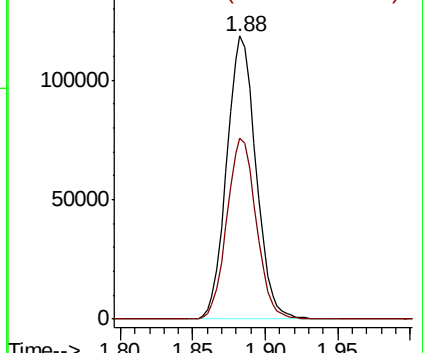
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.05 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025684.D

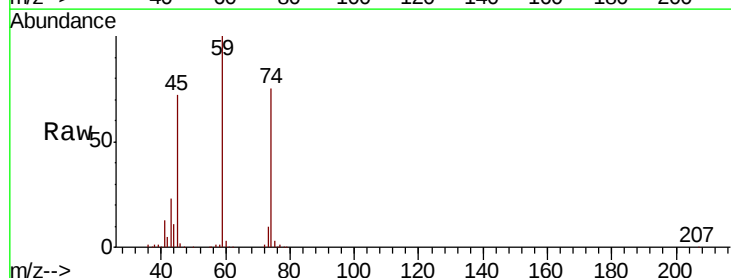
Acq: 27 Jul 2018 21:33

Tgt Ion: 74 Resp: 57335

Ion Ratio Lower Upper

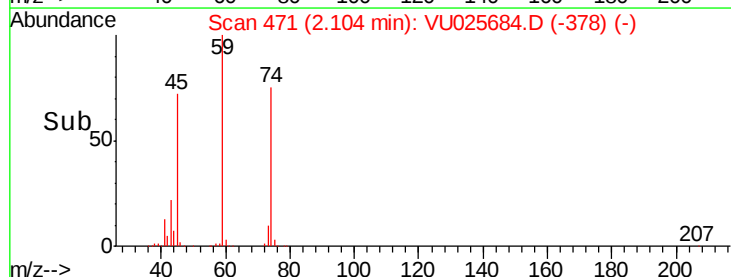
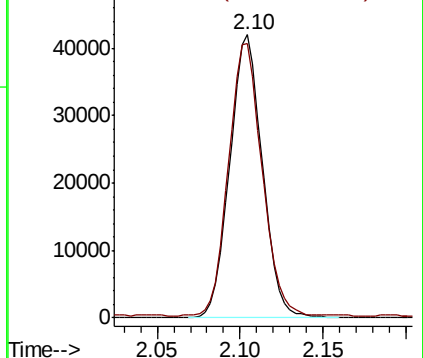
74 100

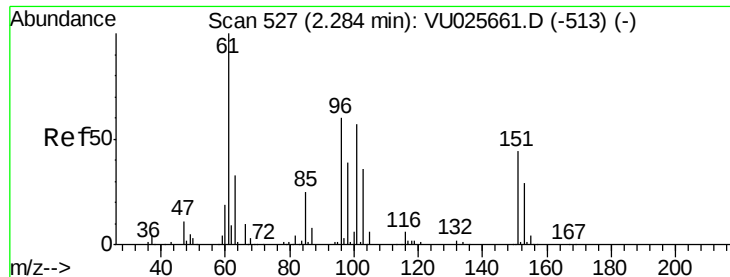
45 98.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.82 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

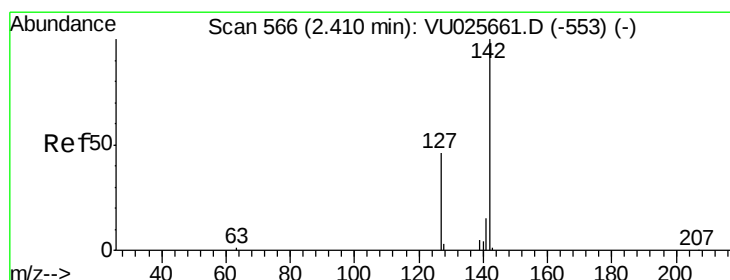
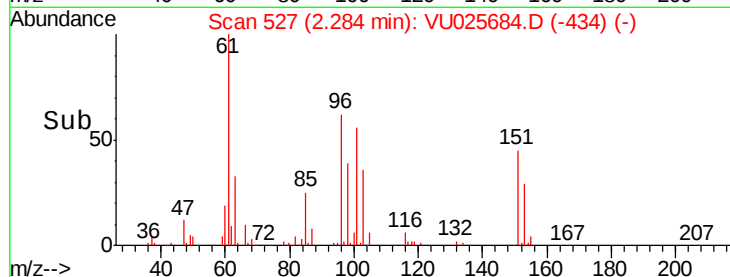
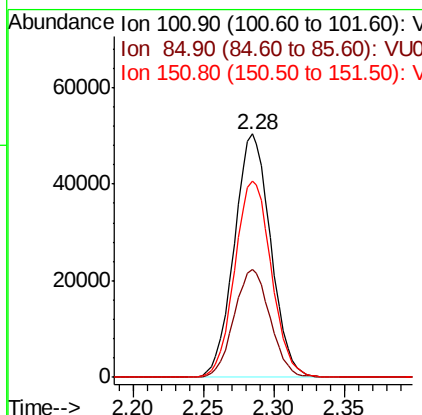
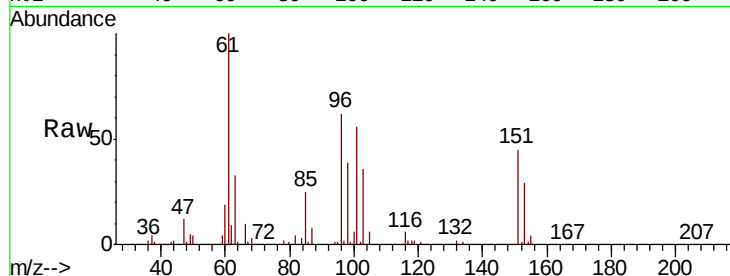
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	91280
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	81.0	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 47.50 ug/l

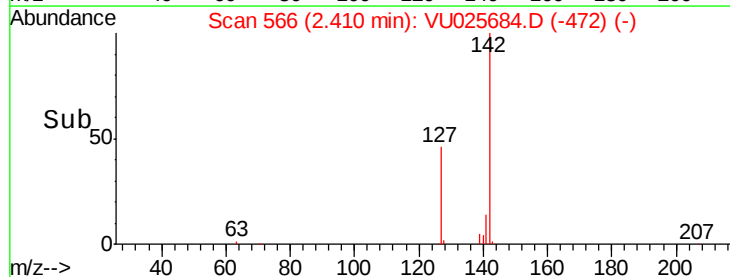
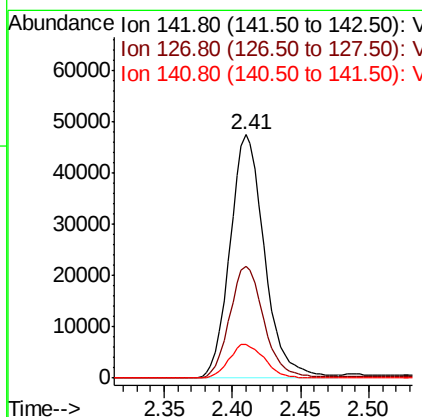
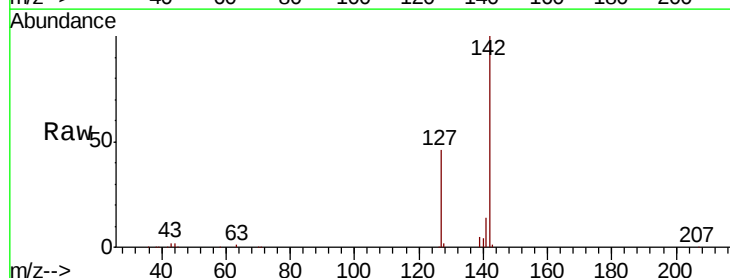
RT: 2.41 min Scan# 566

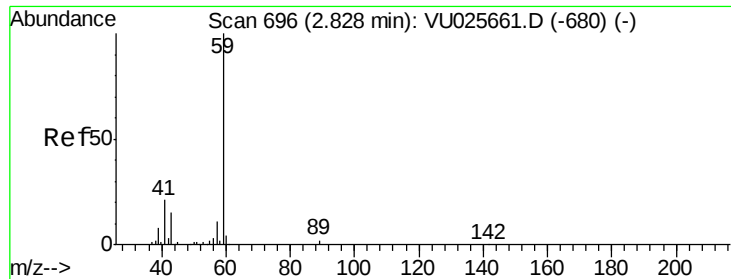
Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion:	142	Resp:	83643
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.5	54.7
141	14.3	11.4	17.2





#11

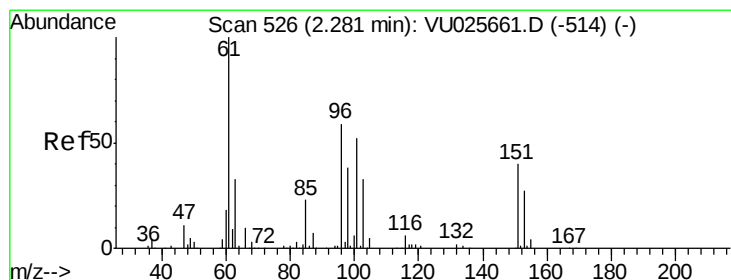
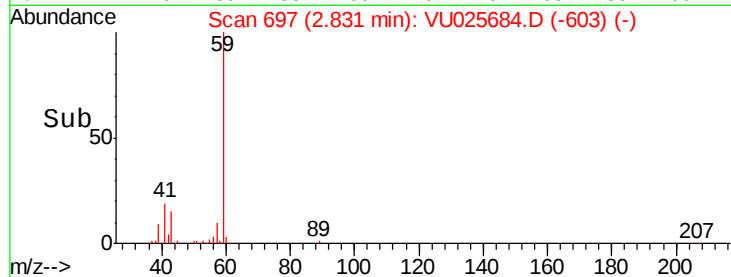
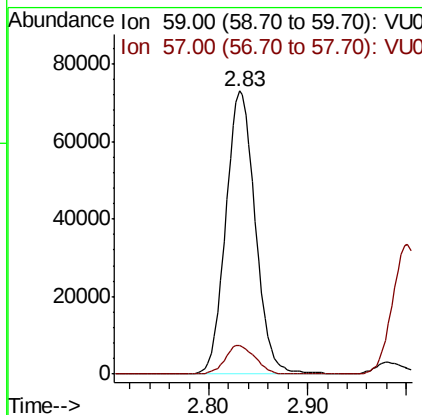
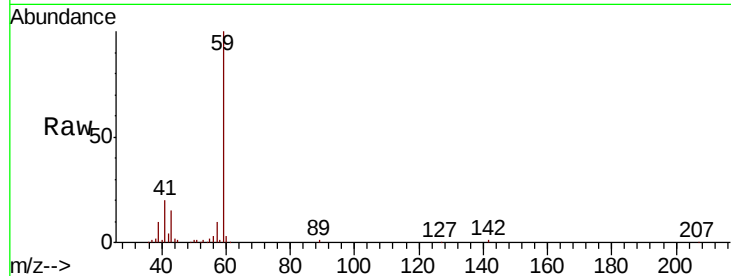
Tert butyl alcohol
 Concen: 265.99 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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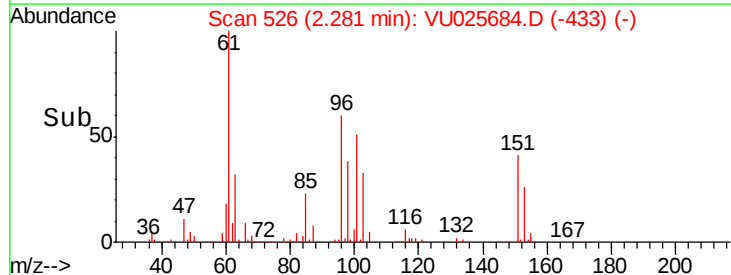
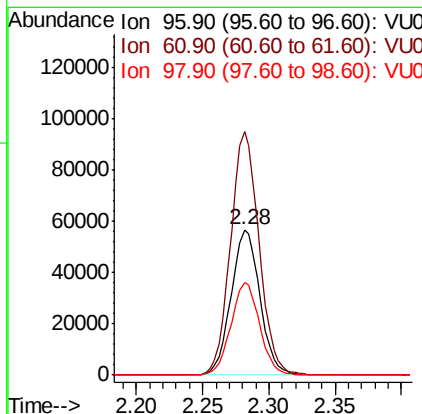
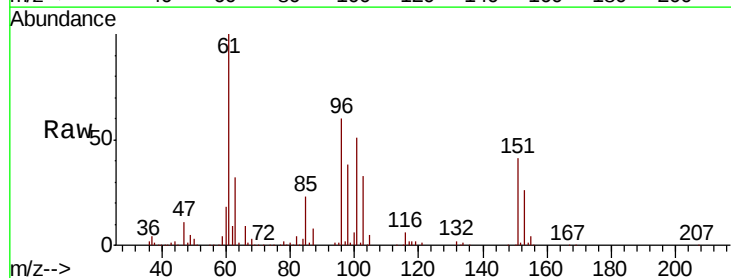
MMDadoda
 7/31/2018 3:49:47 PM

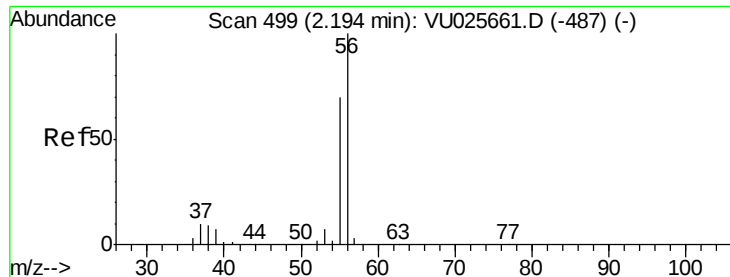


#12

1,1-Dichloroethene
 Concen: 47.56 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	140.2	210.4
98	63.8	49.3	73.9





#13

Acrolein

Concen: 205.63 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 42701

Ion Ratio Lower Upper

56 100

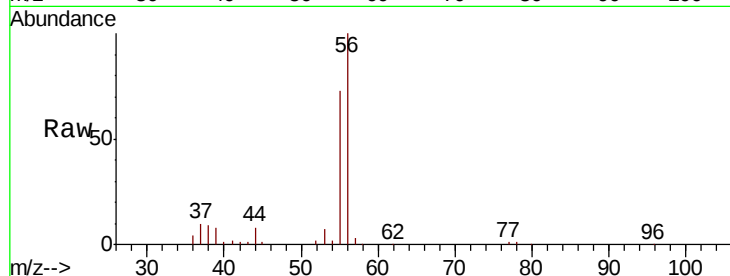
55 71.0 57.2 85.8

Manual Integrations

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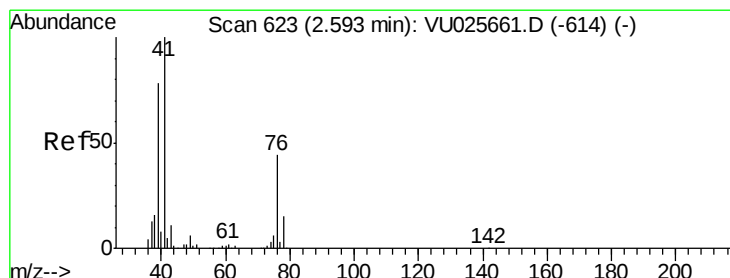
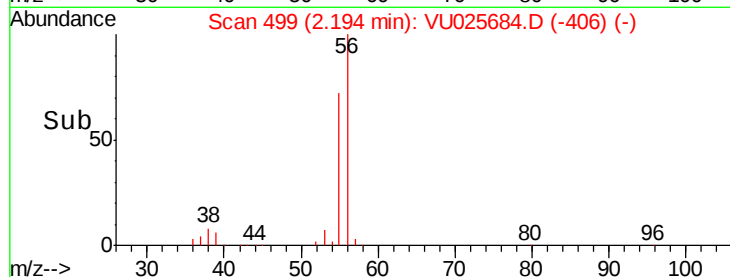
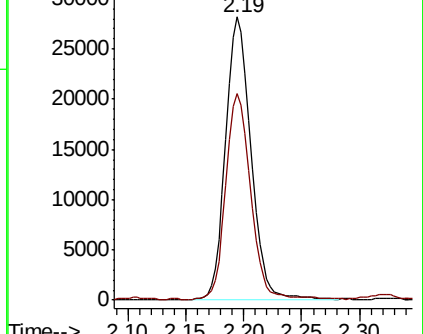
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025661.D (-487) (-)



#14

Allyl chloride

Concen: 46.90 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

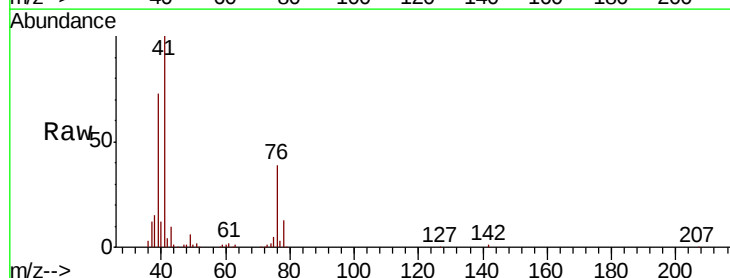
Tgt Ion: 41 Resp: 151852

Ion Ratio Lower Upper

41 100

39 74.0 60.6 91.0

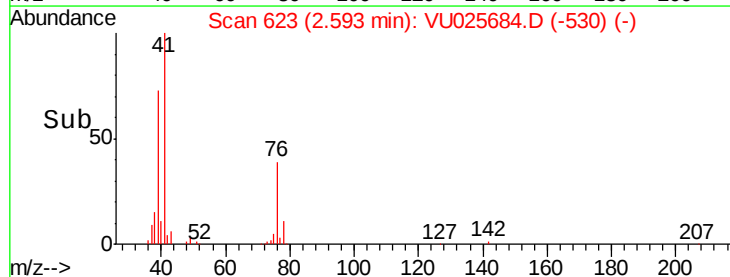
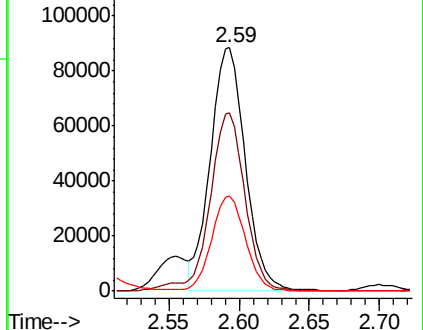
76 38.1 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-614) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-614) (-)

Ion 75.90 (75.60 to 76.60): VU025661.D (-614) (-)





#15

Acrylonitrile

Concen: 266.83 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

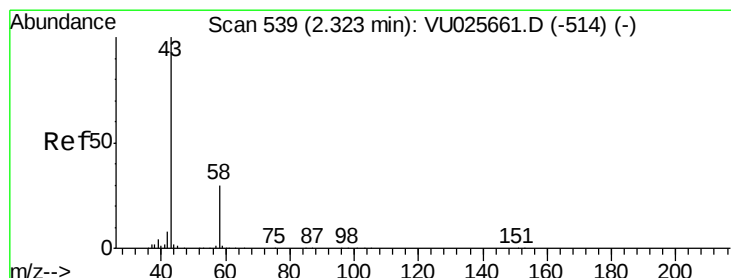
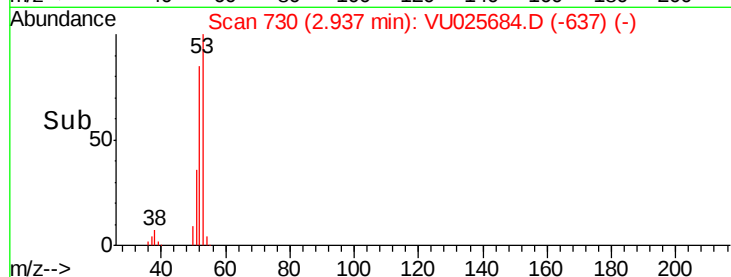
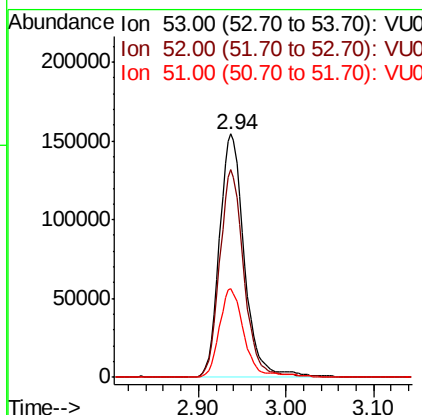
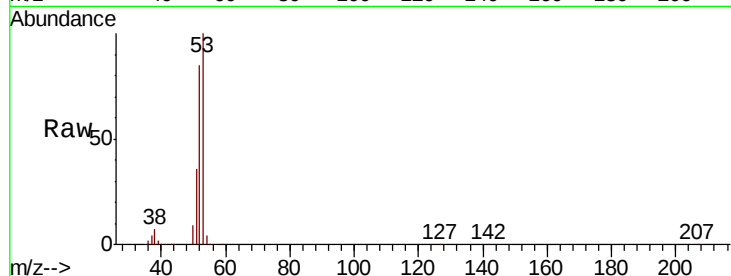
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	304949
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	99.8
51	36.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 216.62 ug/l

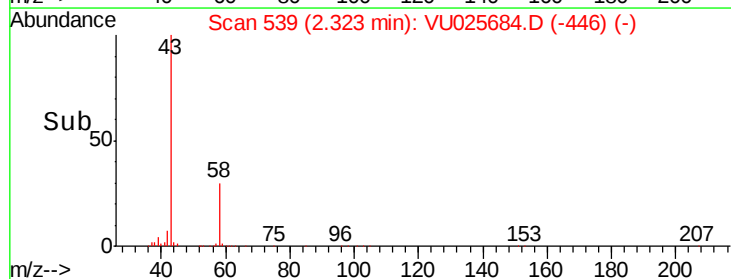
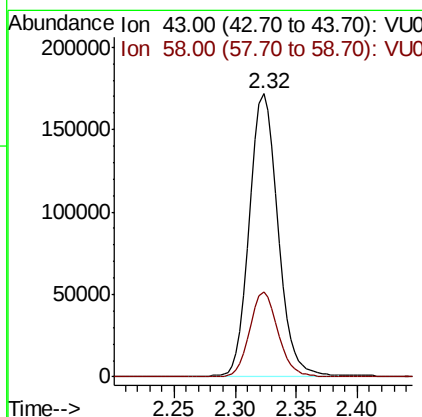
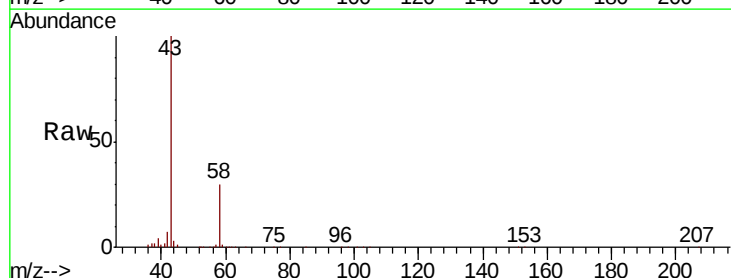
RT: 2.32 min Scan# 539

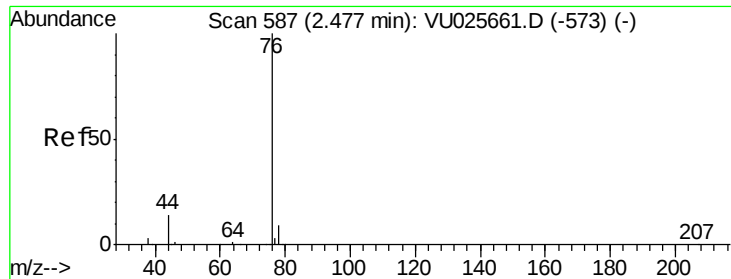
Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion:	43	Resp:	276108
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7





#17

Carbon Disulfide

Concen: 46.93 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 273619

Ion Ratio Lower Upper

76 100

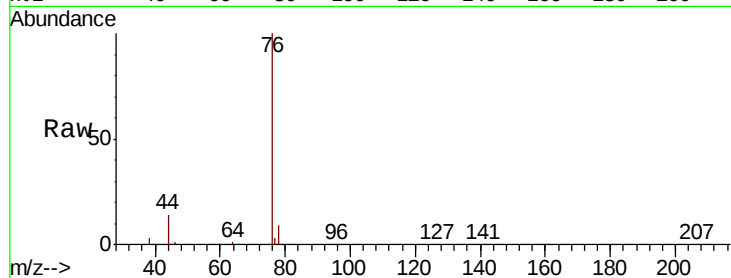
78 9.4 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025661.D (-573) (-)

2.47

150000

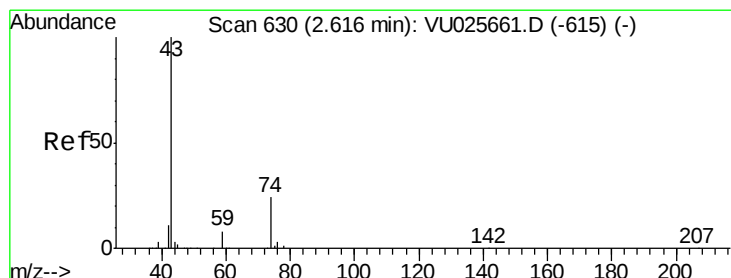
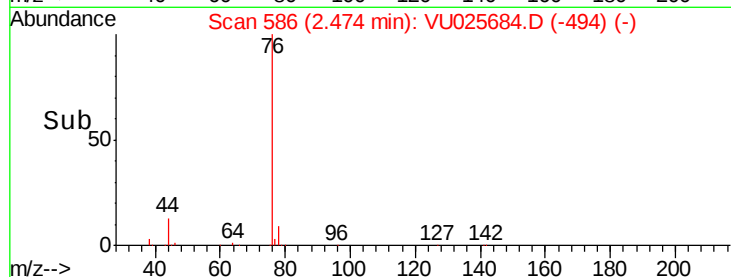
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 56.42 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025684.D

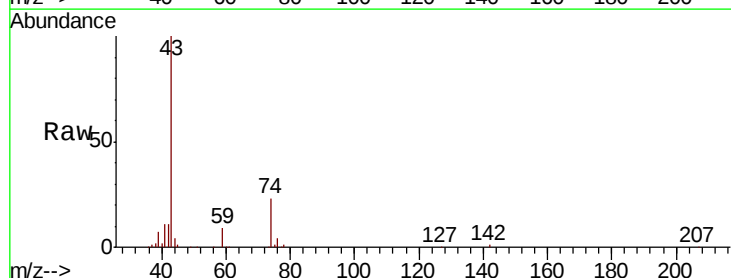
Acq: 27 Jul 2018 21:33

Tgt Ion: 43 Resp: 173077

Ion Ratio Lower Upper

43 100

74 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025661.D (-615) (-)

2.62

120000

100000

80000

60000

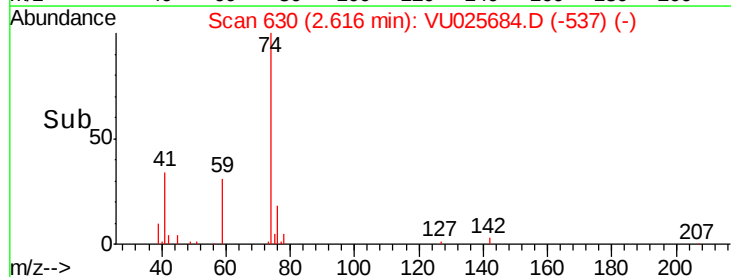
40000

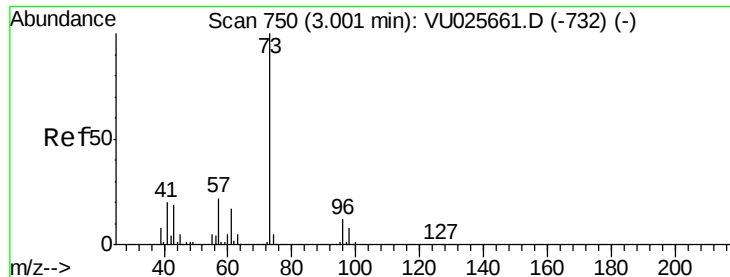
20000

0

2.55 2.60 2.65 2.70

Time-->





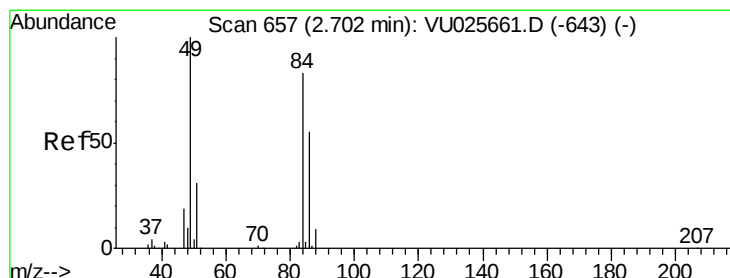
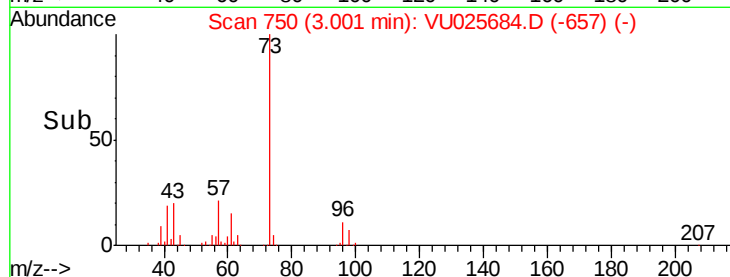
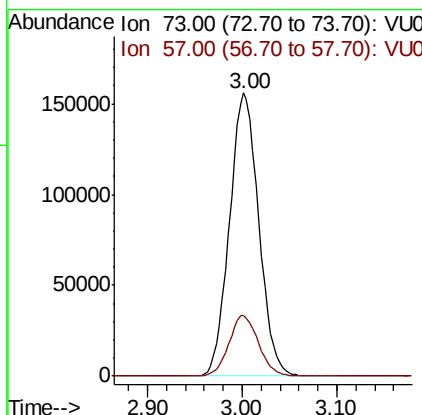
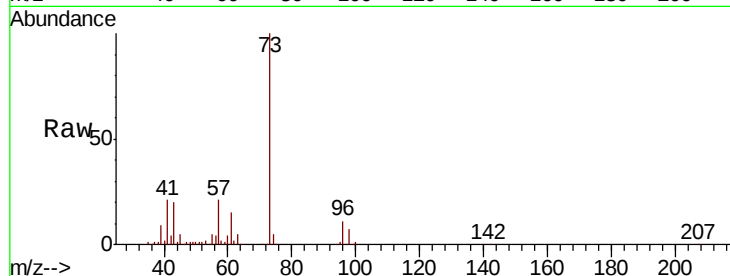
#19
Methyl tert-butyl Ether
Concen: 51.28 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	73	Resp	334811
Ion Ratio	Lower	Upper	
73	100		
57	21.4	17.4	26.2

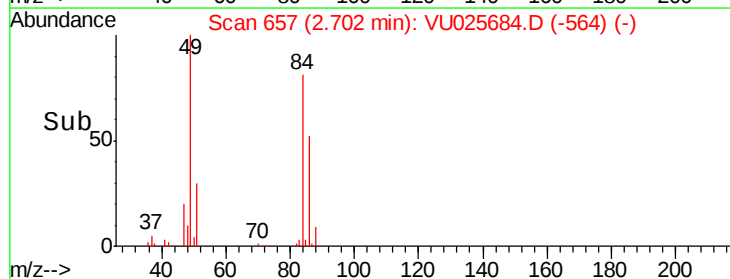
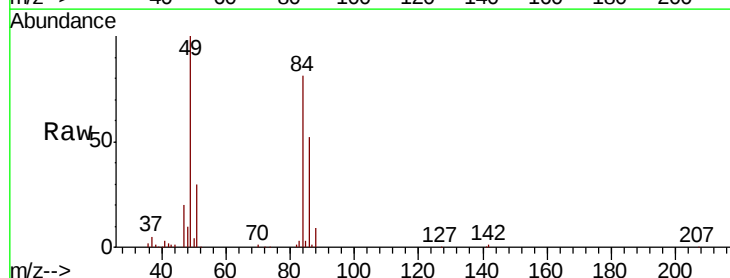
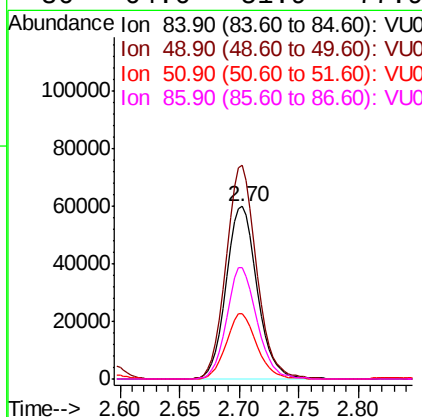
Manual Integrations
APPROVED

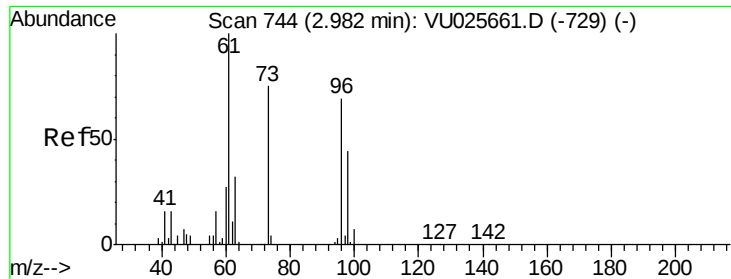
MMDadoda
7/31/2018 3:49:47 PM



#20
Methylene Chloride
Concen: 48.10 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	84	Resp	108653
Ion Ratio	Lower	Upper	
84	100		
49	123.7	101.8	152.6
51	37.6	30.8	46.2
86	64.6	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 49.04 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

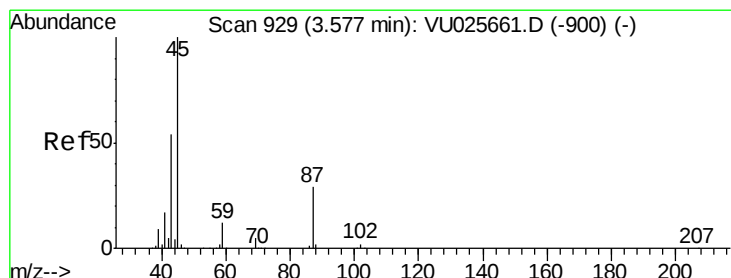
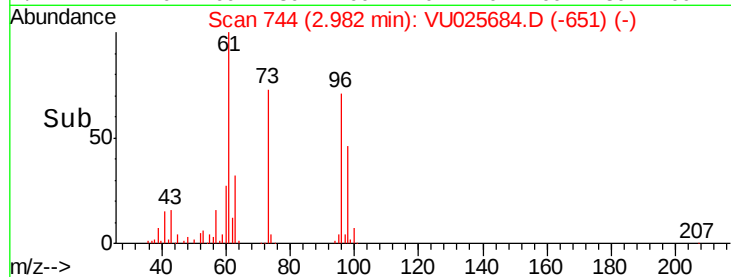
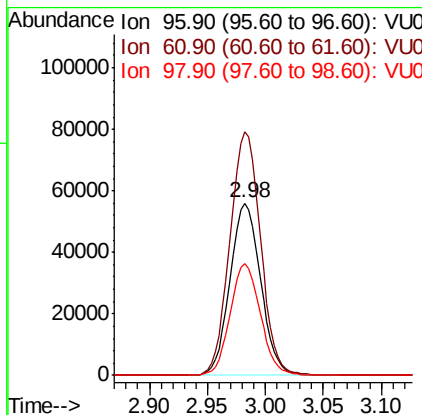
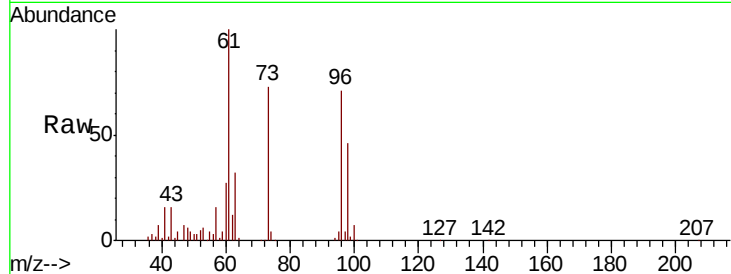
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	102131
Ion	Ratio	Lower	Upper
96	100		
61	141.5	114.5	171.7
98	65.2	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.57 ug/l

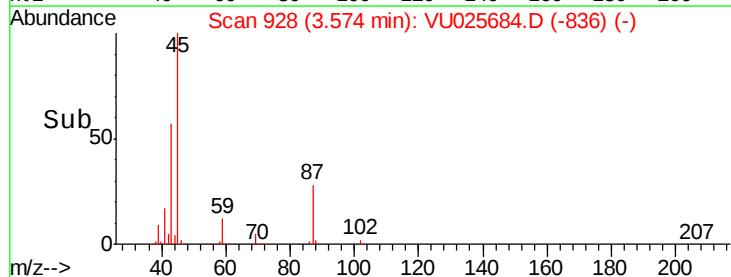
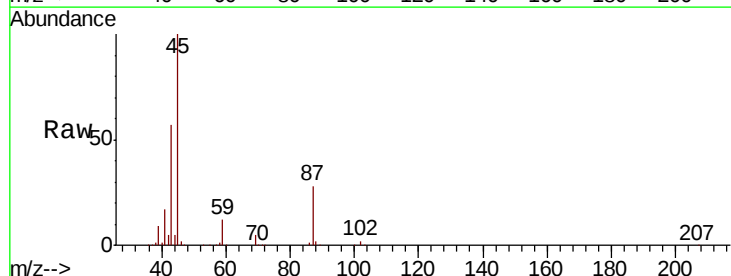
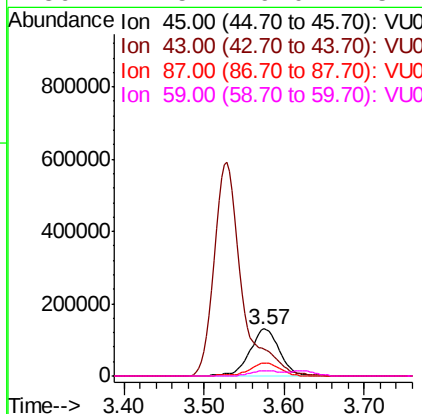
RT: 3.57 min Scan# 928

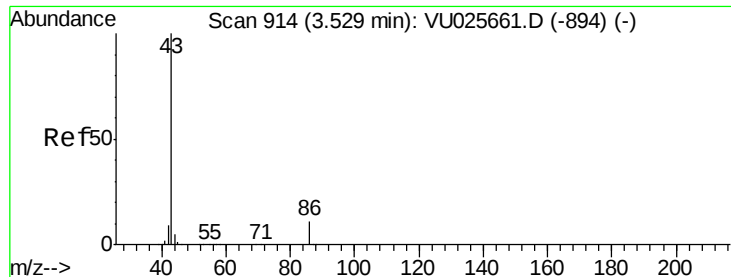
Delta R.T. -0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion:	45	Resp:	329050
Ion	Ratio	Lower	Upper
45	100		
43	56.7	50.9	76.3
87	28.0	23.8	35.8
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 254.74 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1416366

Ion Ratio Lower Upper

43 100

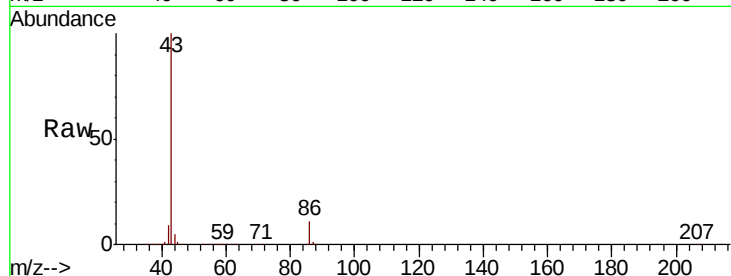
86 10.6 8.2 12.2

Manual Integrations

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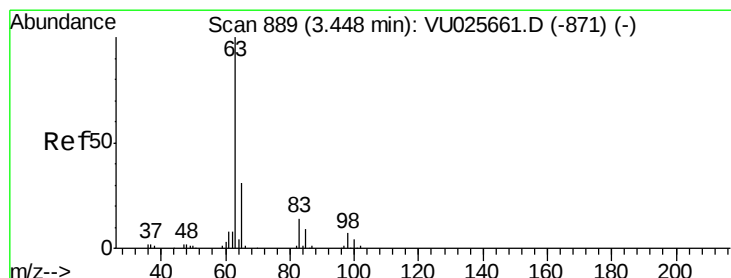
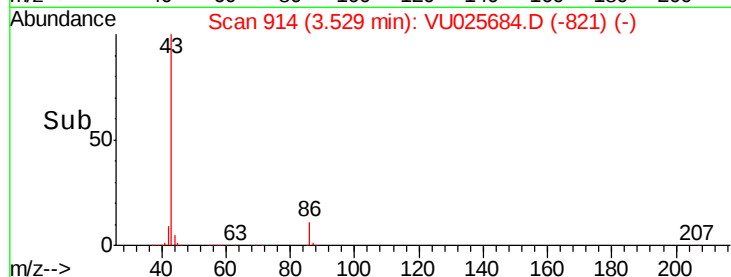
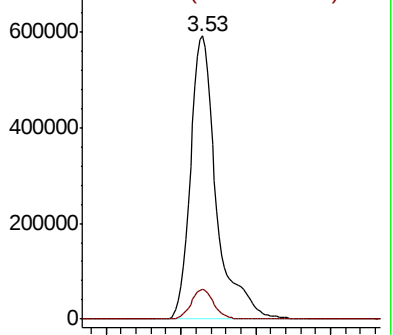
MMDadoda

7/31/2018 3:49:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.23 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

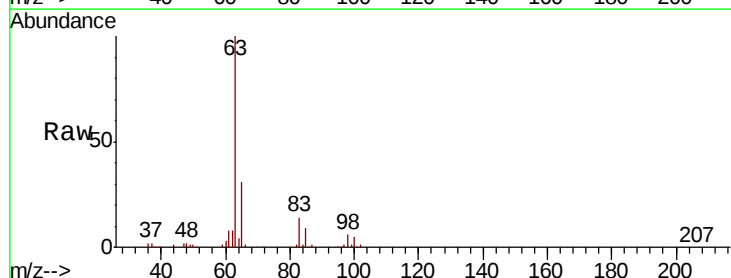
Tgt Ion: 63 Resp: 192394

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

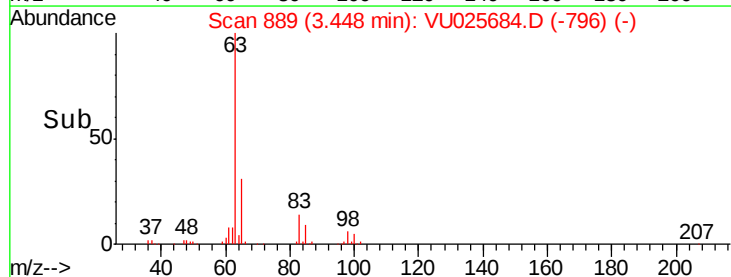
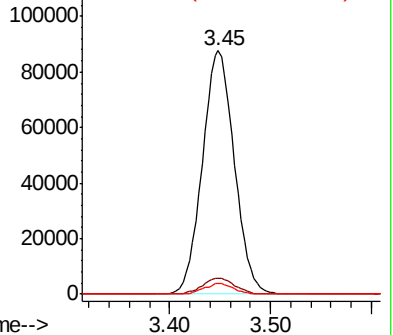
100 4.5 2.0 6.0

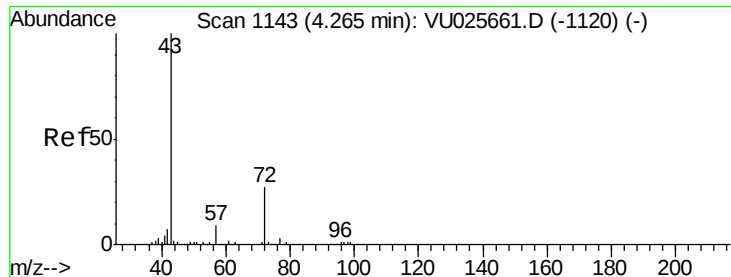


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





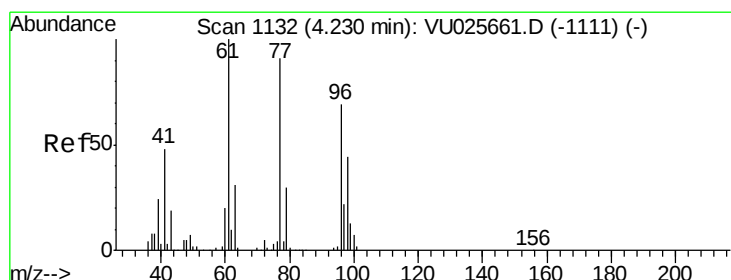
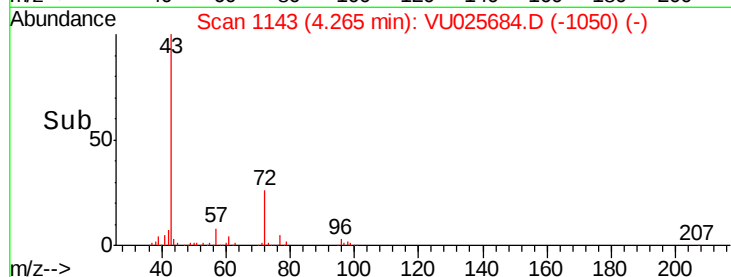
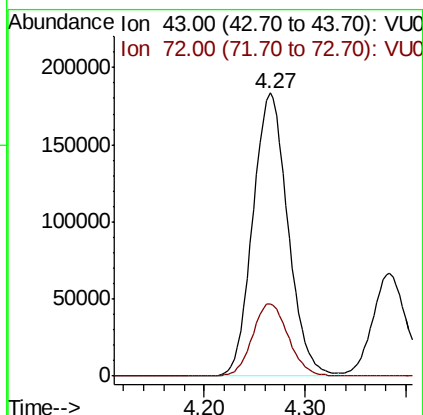
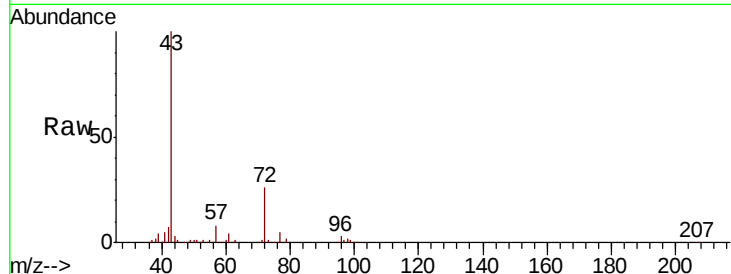
#25
2-Butanone
Concen: 254.52 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 441622
Ion Ratio Lower Upper
43 100
72 25.7 21.0 31.4

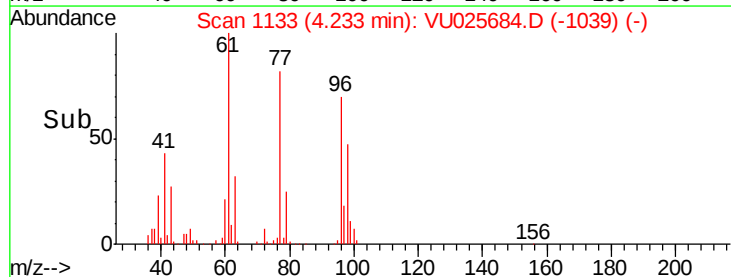
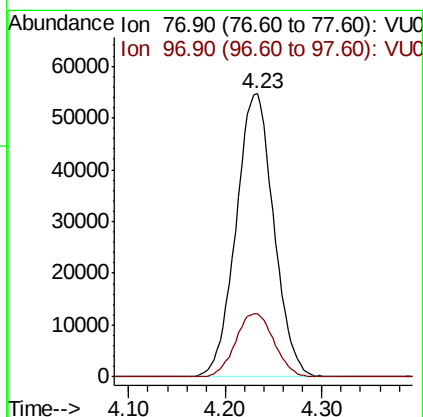
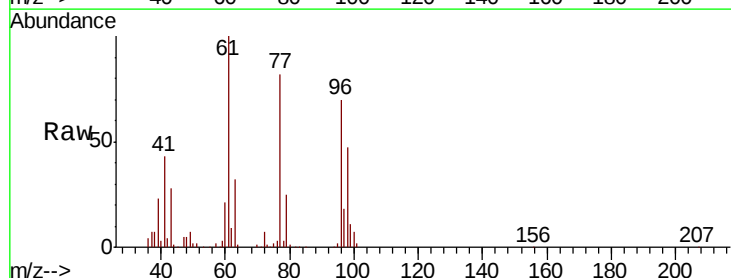
Manual Integrations
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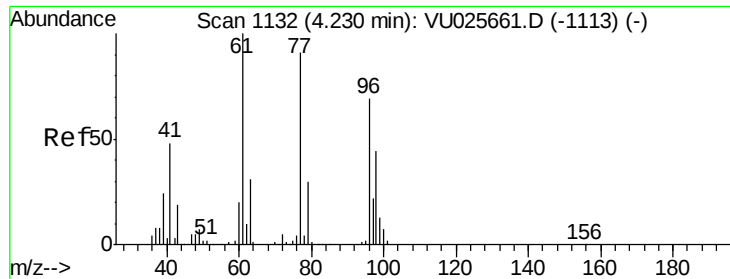
MMDadoda
7/31/2018 3:49:47 PM



#26
2,2-Dichloropropane
Concen: 42.55 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 77 Resp: 148118
Ion Ratio Lower Upper
77 100
97 22.8 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.09 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

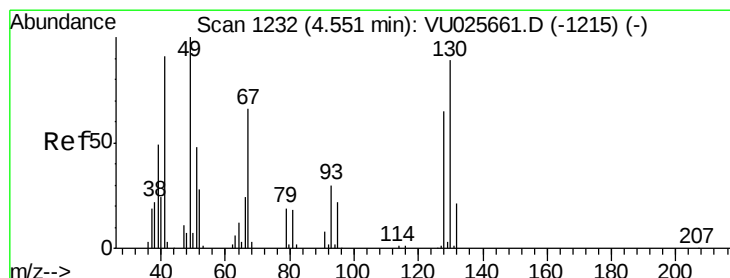
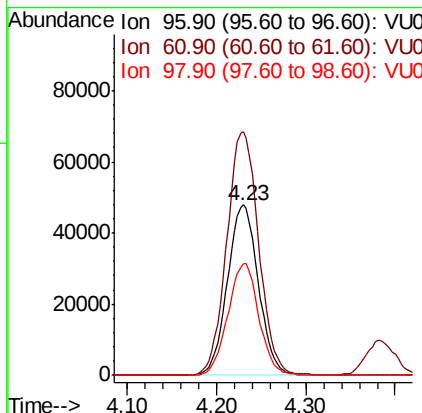
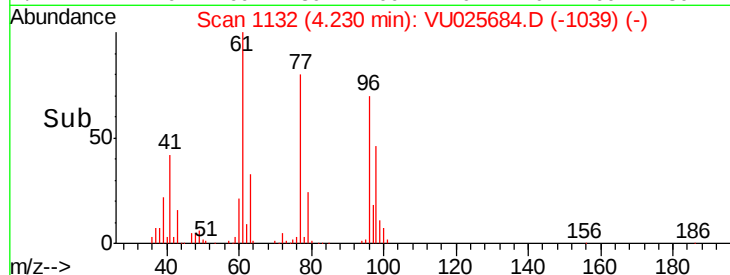
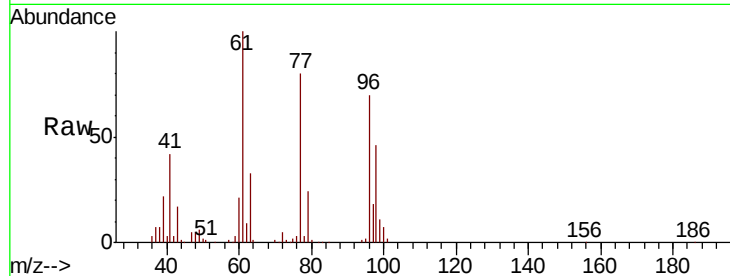
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	115261
Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	299.8
98	65.5	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.96 ug/l

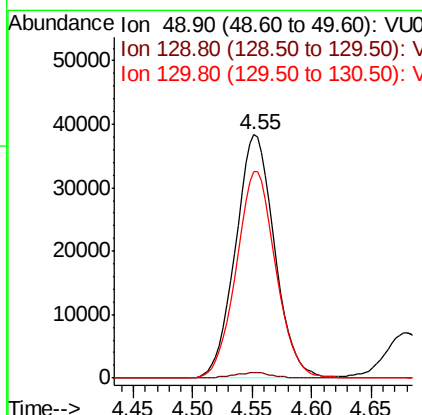
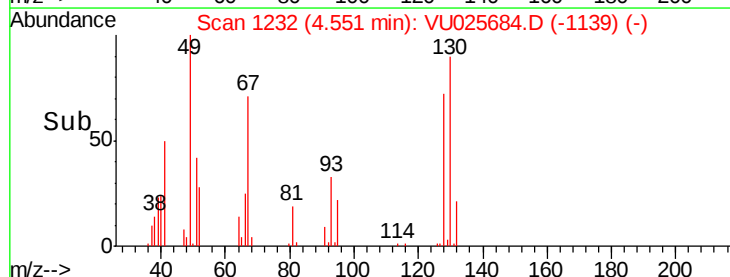
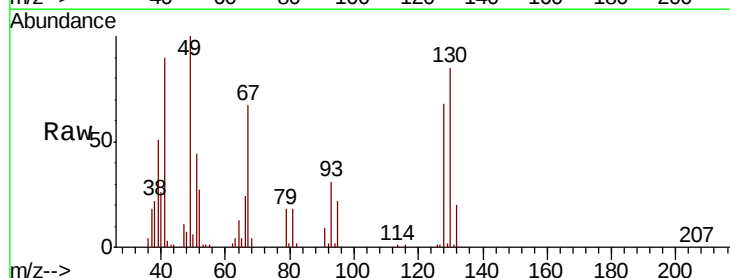
RT: 4.55 min Scan# 1232

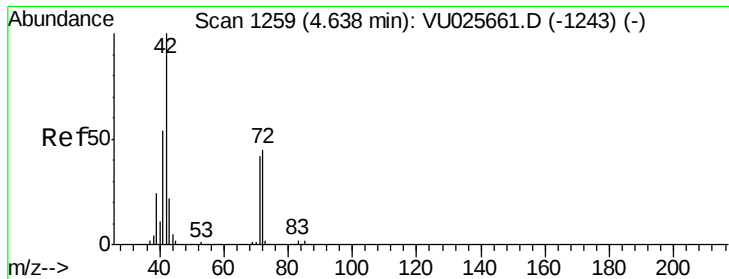
Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion:	49	Resp:	87259
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	85.6	68.6	102.8





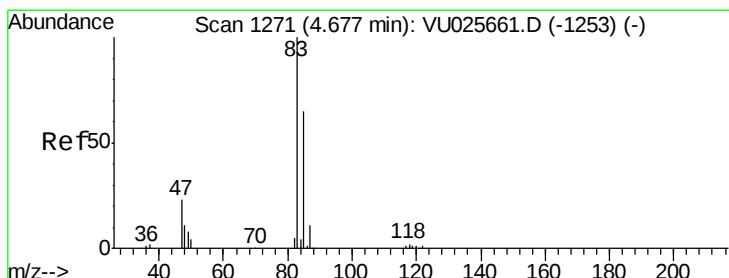
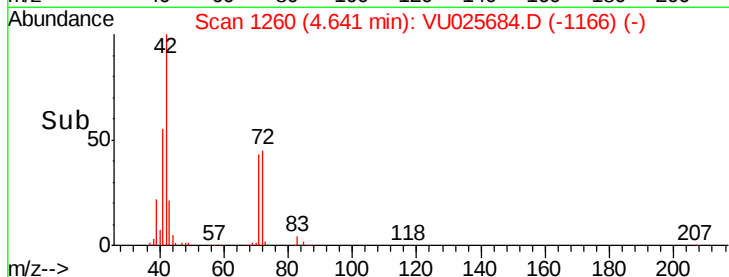
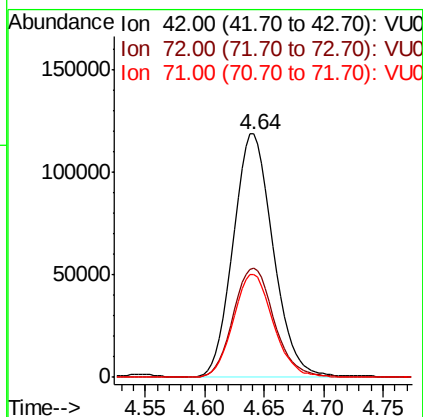
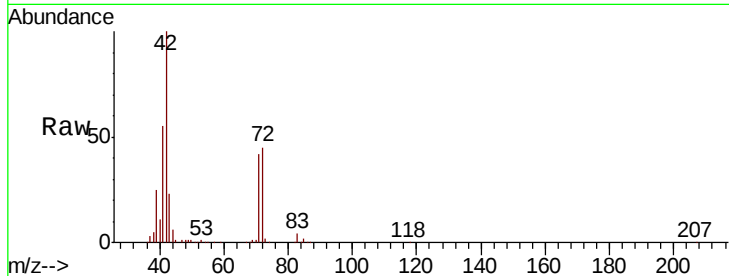
#29
Tetrahydrofuran
Concen: 264.86 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.7	55.1
71	42.5	33.9	50.9

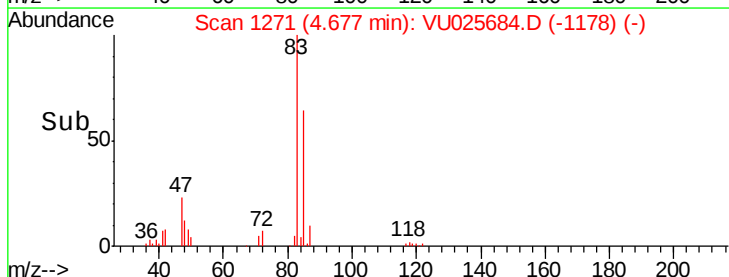
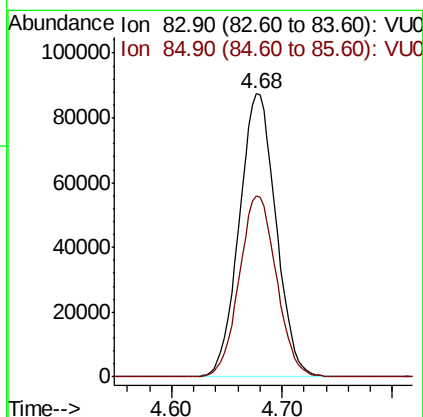
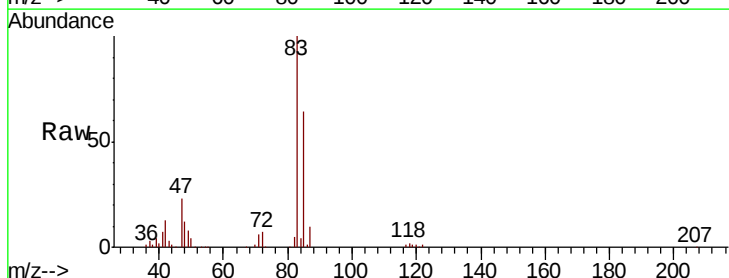
Manual Integrations
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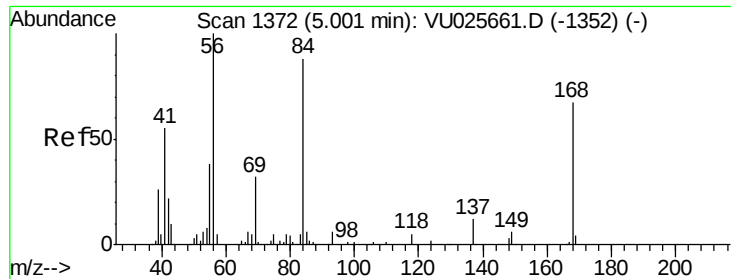
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#30
Chloroform
Concen: 49.92 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





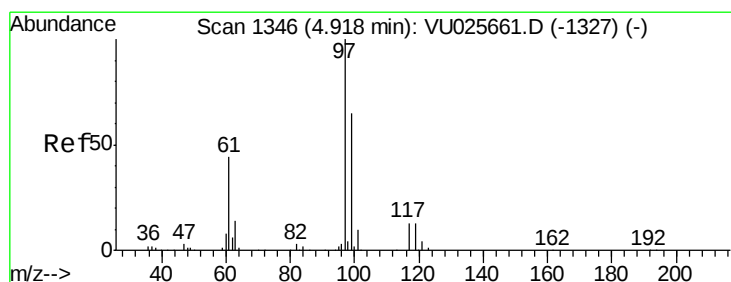
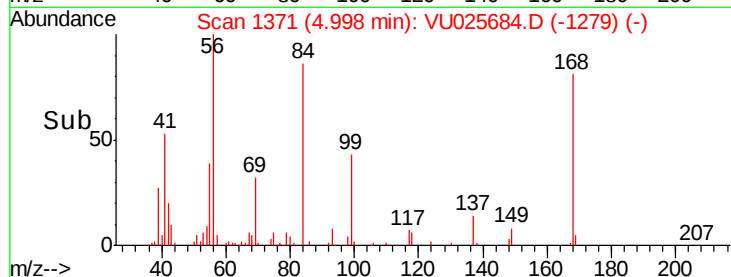
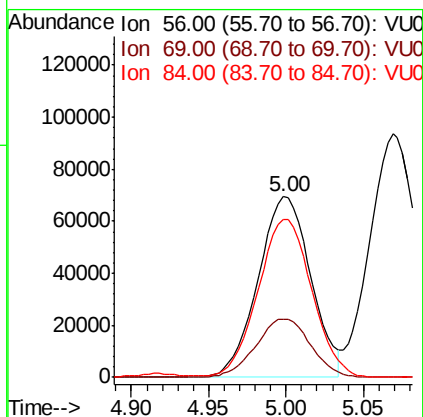
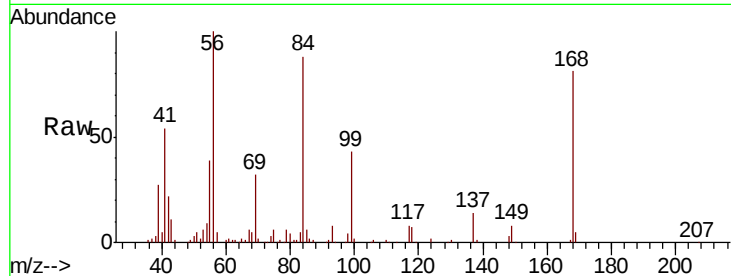
#31
Cyclohexane
Concen: 49.52 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.8	40.2
84	86.8	69.7	104.5

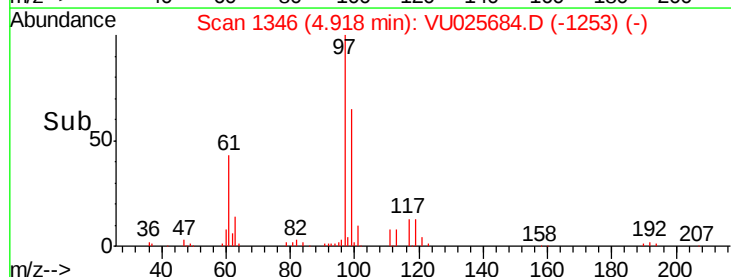
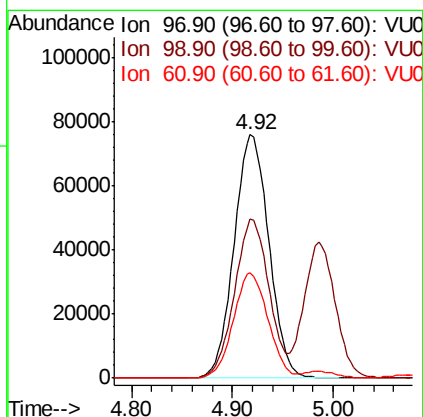
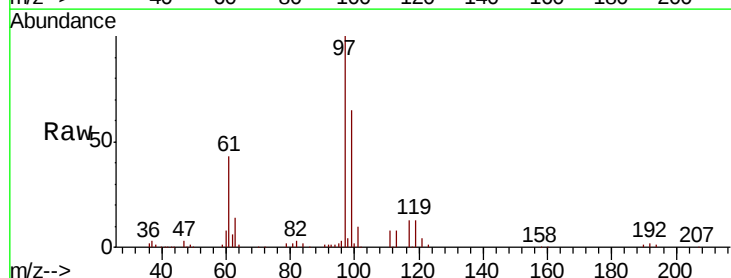
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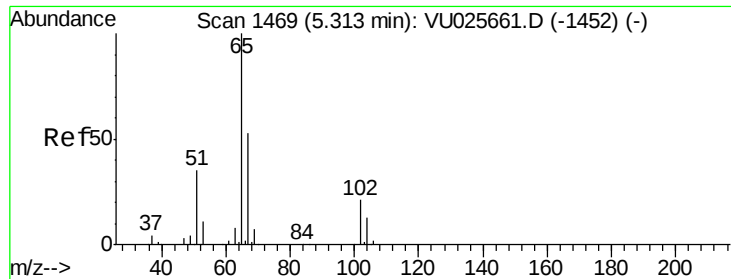
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#32
1,1,1-Trichloroethane
Concen: 49.90 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.8	76.2
61	43.3	35.2	52.8





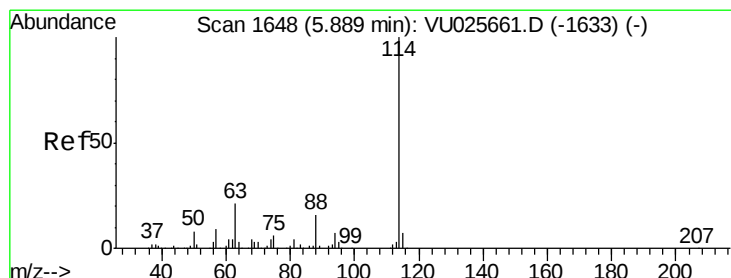
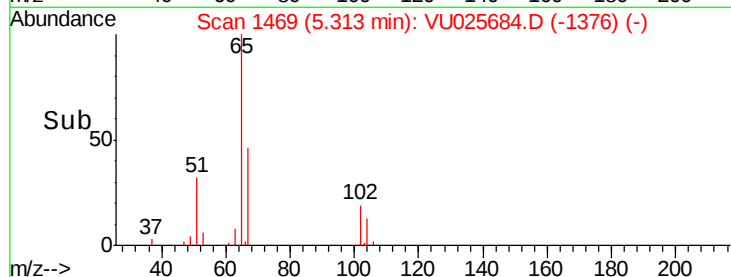
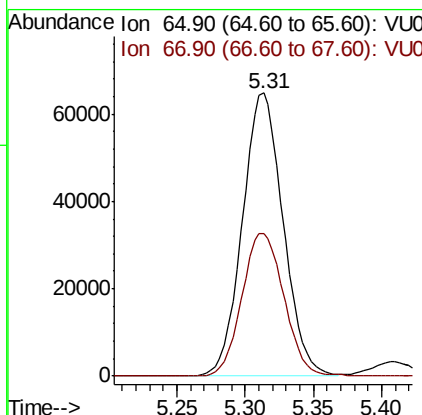
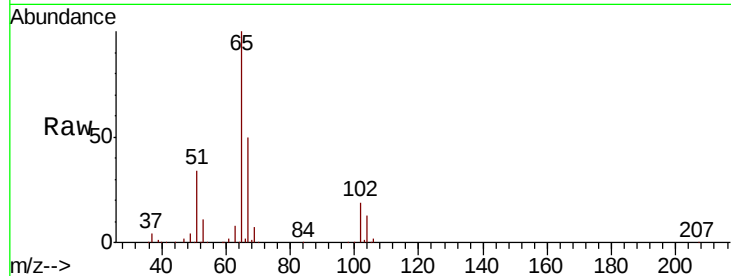
#33
 1,2-Dichloroethane-d4
 Concen: 51.35 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.6	

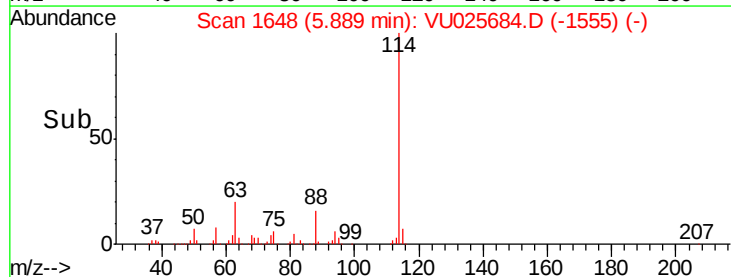
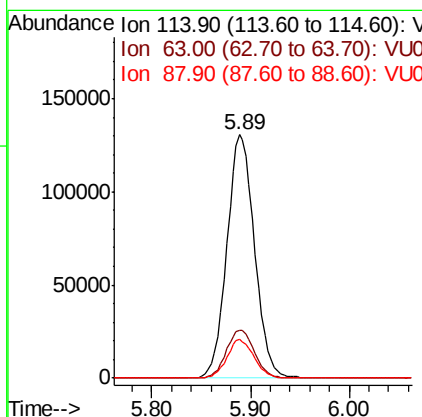
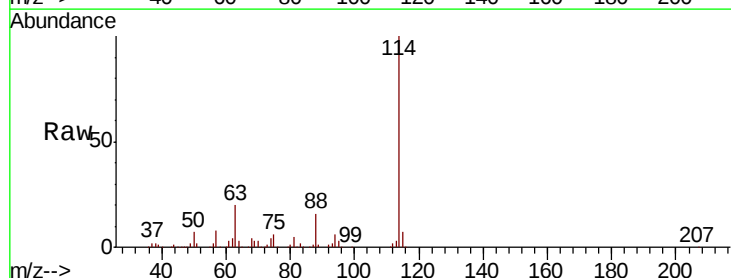
Manual Integrations
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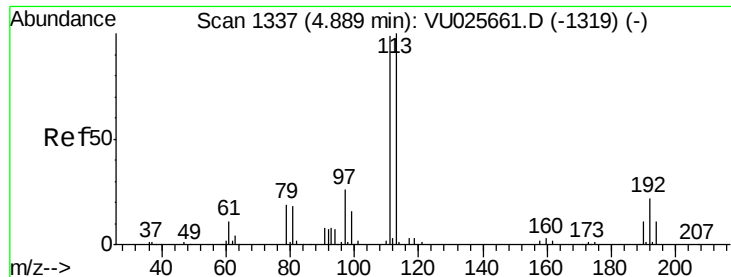
MMDadoda
 7/31/2018 3:49:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	41.6	
88	15.7	0.0	32.4	





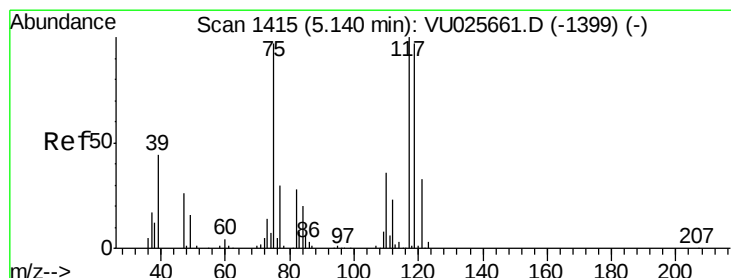
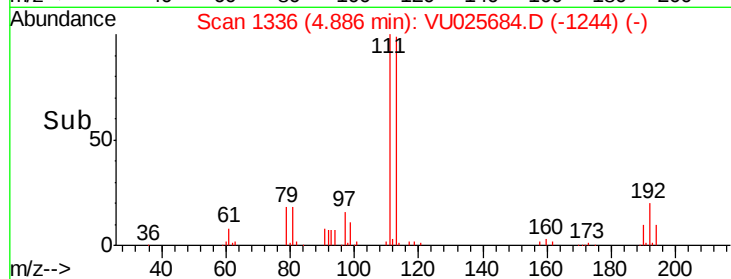
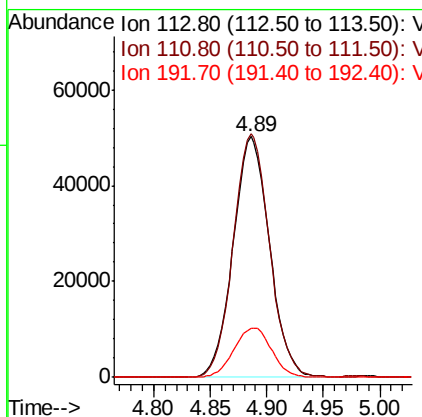
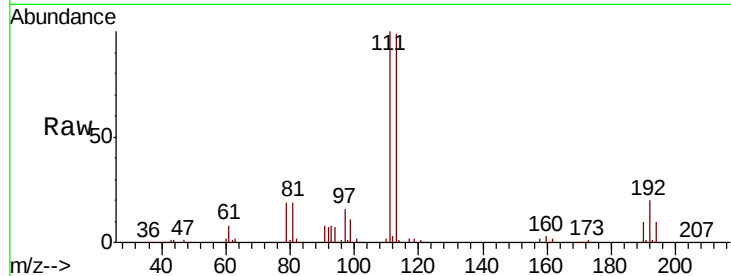
#35
 Dibromofluoromethane
 Concen: 50.67 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112479		
111	100.7	81.7	122.5	
192	21.2	17.1	25.7	

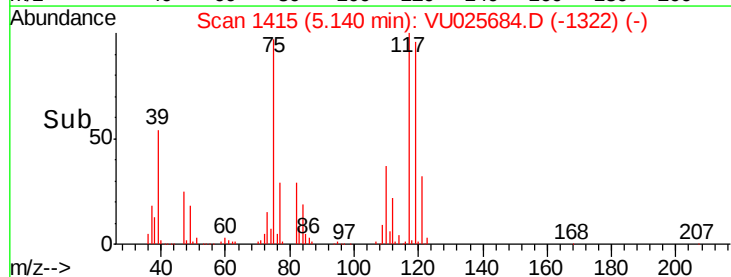
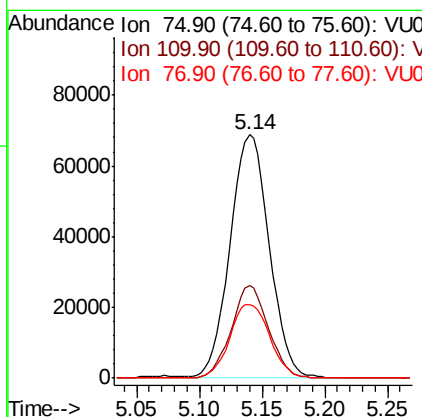
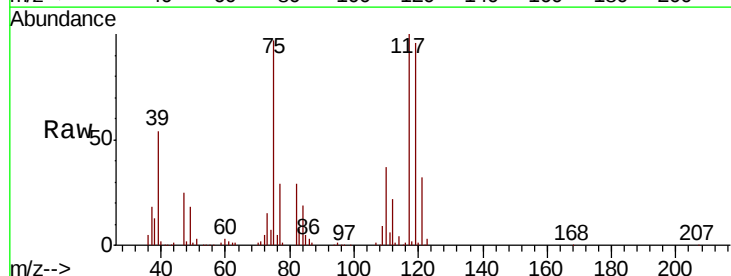
Manual Integrations
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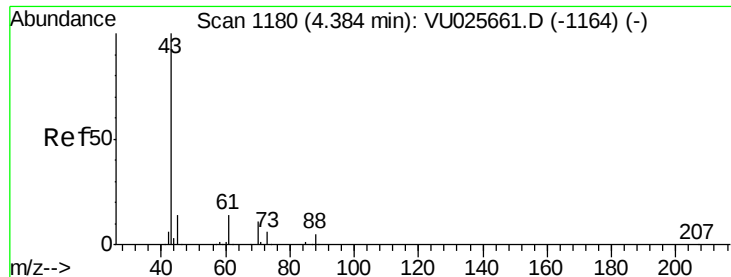
MMDadoda
 7/31/2018 3:49:47 PM



#36
 1,1-Dichloropropene
 Concen: 49.84 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148664		
110	36.1	17.6	52.9	
77	31.2	24.4	36.6	





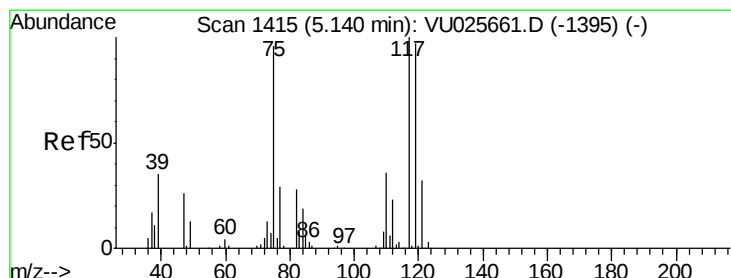
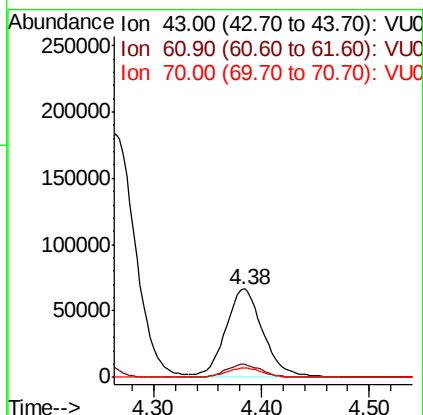
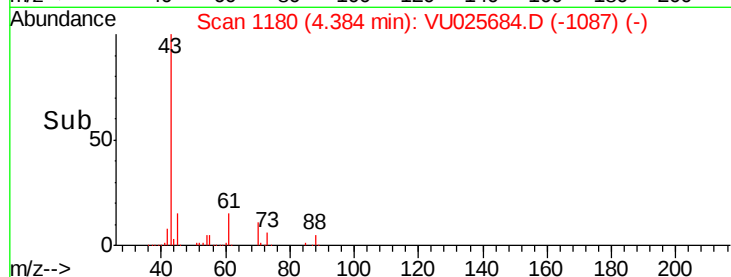
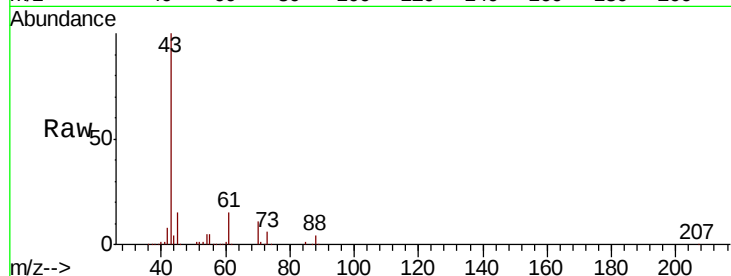
#37
Ethyl Acetate
Concen: 51.36 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	10.7	8.4	12.6

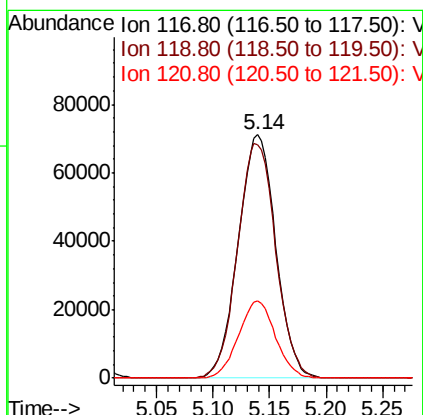
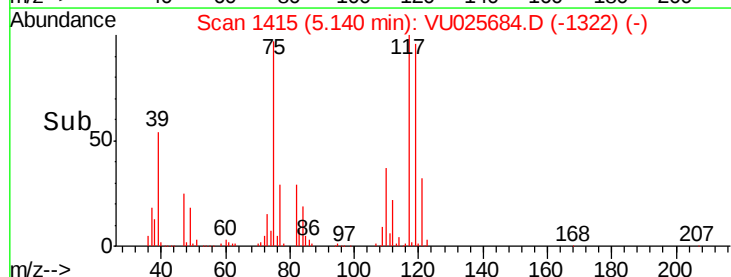
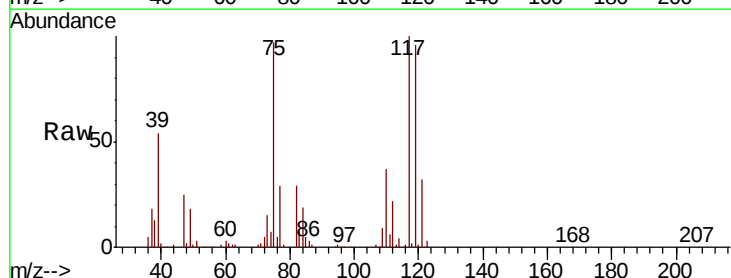
Manual Integrations
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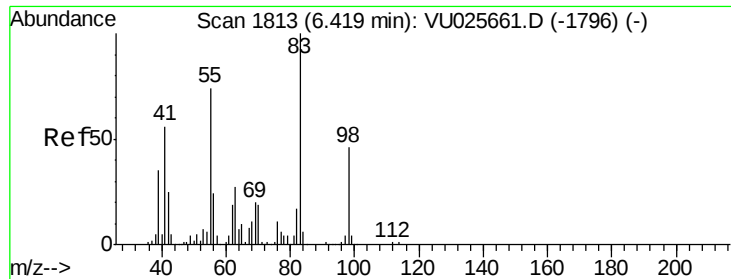
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#38
Carbon Tetrachloride
Concen: 48.69 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.7	113.5
121	31.8	24.6	36.8





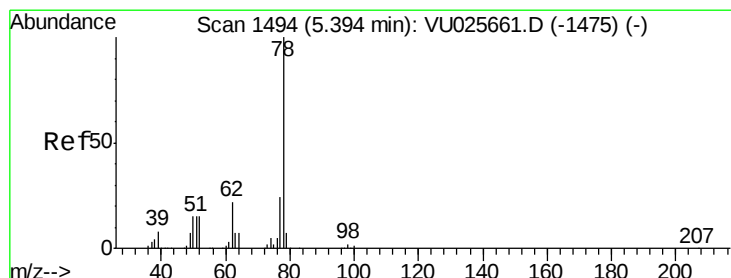
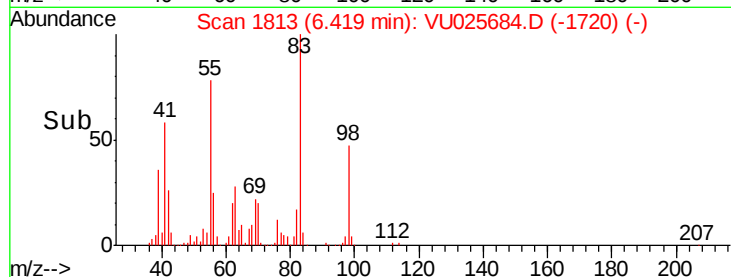
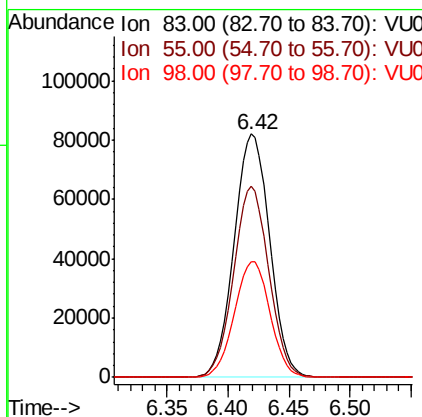
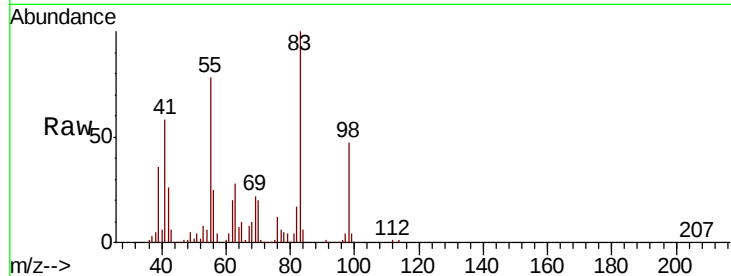
#39
Methvlcvclohexane
Concen: 48.55 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	60.0	90.0
98	47.4	36.1	54.1

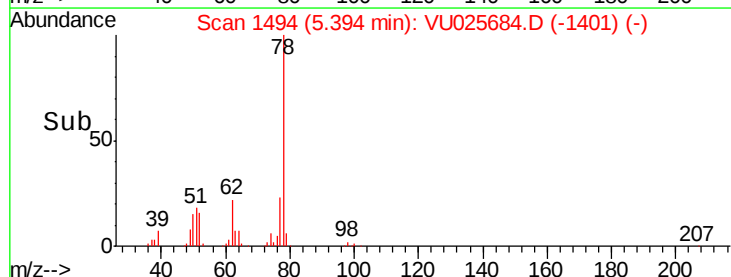
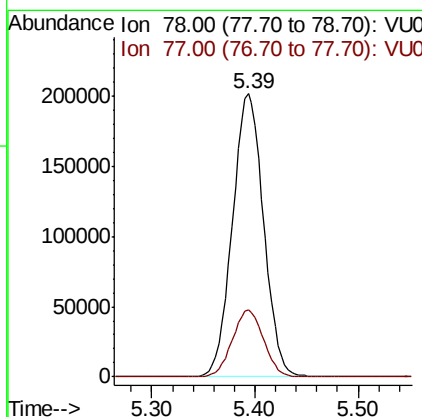
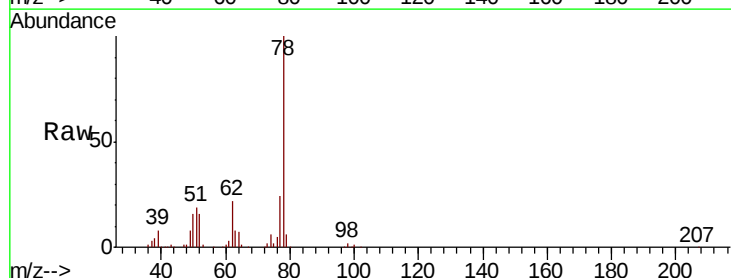
Manual Integrations
APPROVED

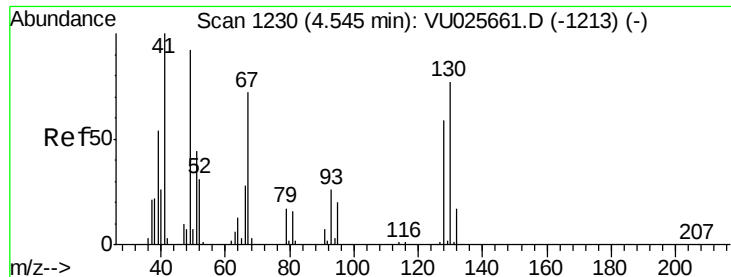
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#40
Benzene
Concen: 48.70 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.6





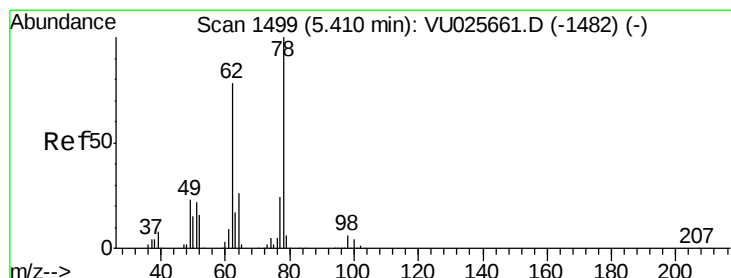
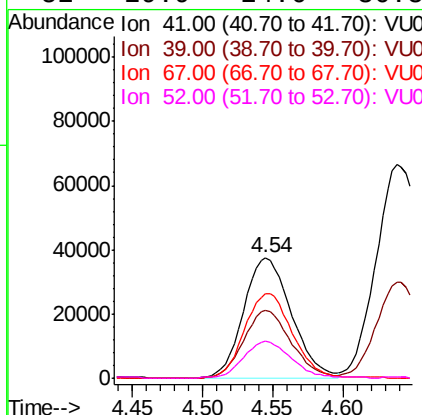
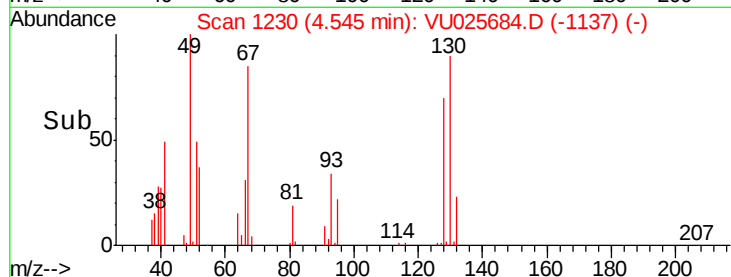
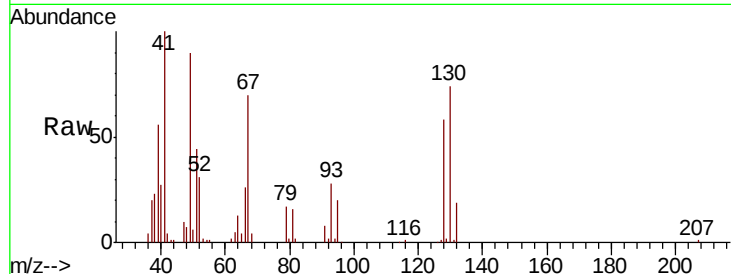
#41
Methacrylonitrile
Concen: 51.84 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		89051		
39	55.7	44.4	66.6		
67	70.6	56.0	84.0		
52	29.9	24.6	36.8		

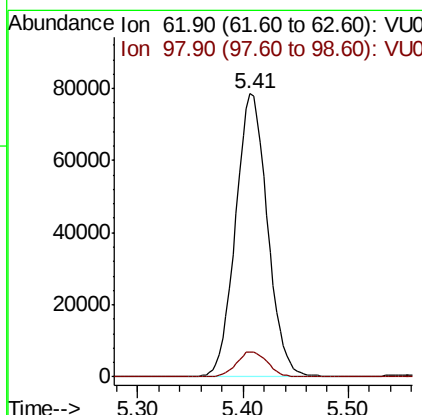
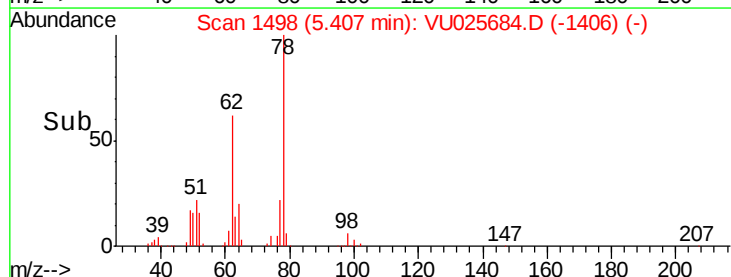
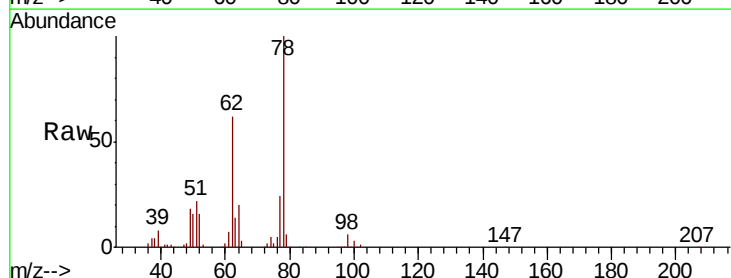
Manual Integrations
APPROVED

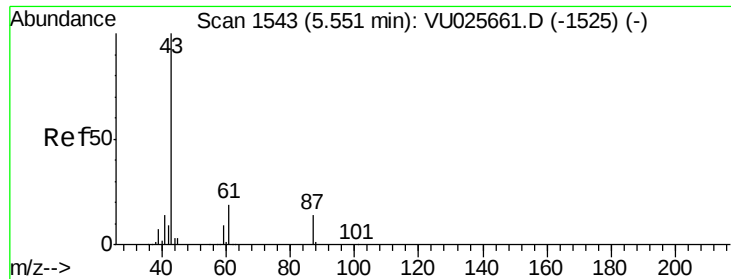
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.22 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		165223		
98	8.6	0.0	16.4		





#43

Isopropyl Acetate

Concen: 50.95 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

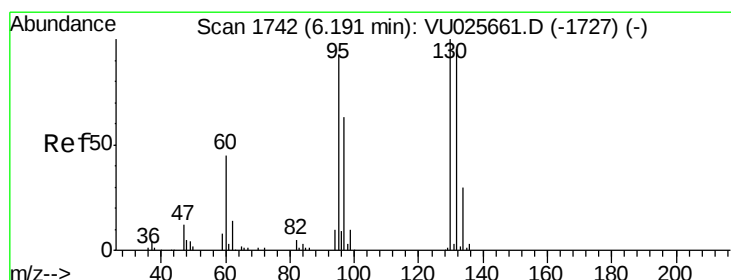
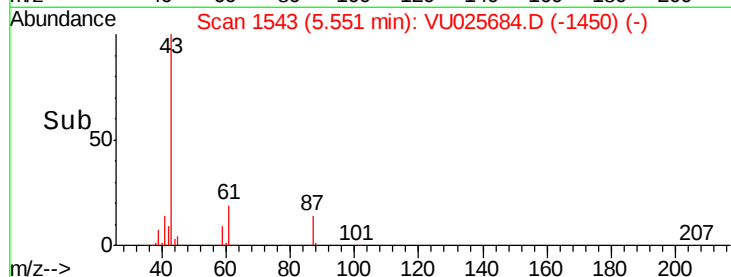
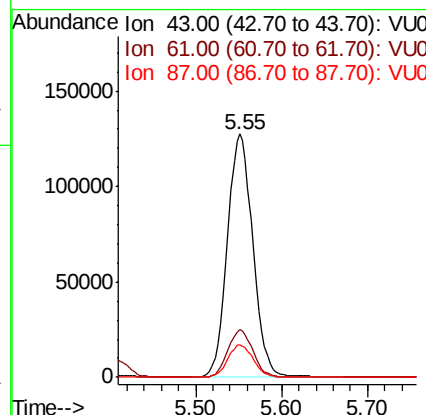
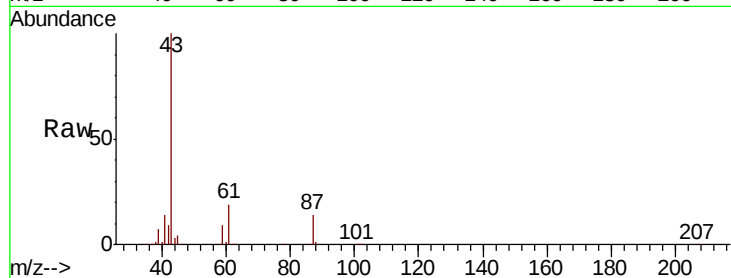
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	260408
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.4	10.6	16.0

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#44

Trichloroethene

Concen: 48.59 ug/l

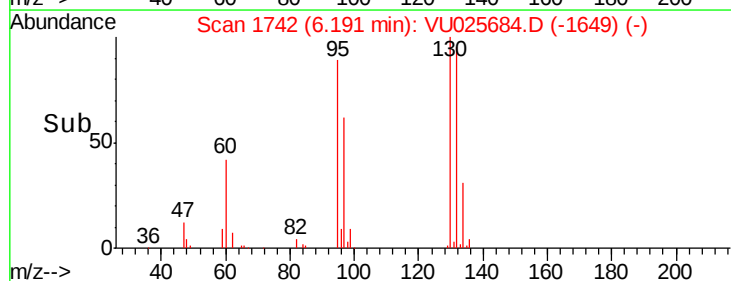
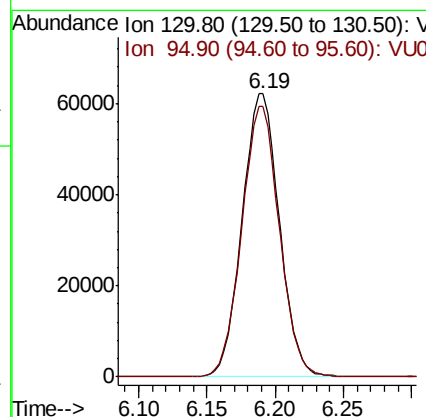
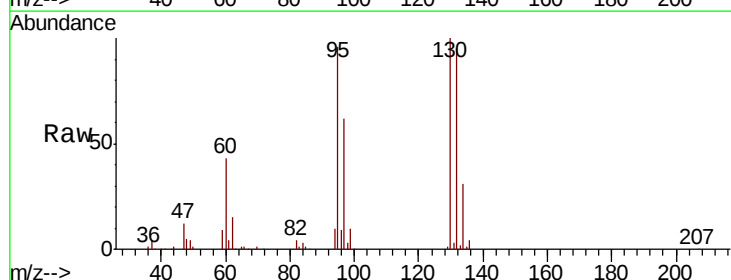
RT: 6.19 min Scan# 1742

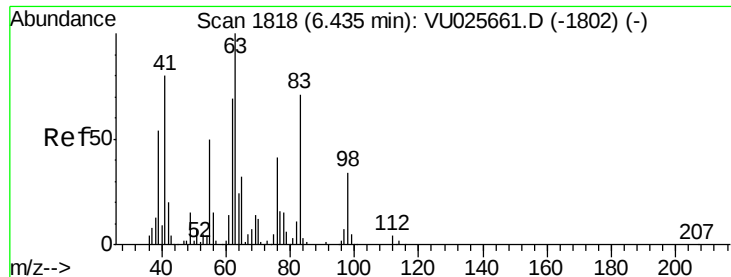
Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion:	130	Resp:	117978
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	192.2





#45

1,2-Dichloropropane

Concen: 49.29 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 112082

Ion Ratio Lower Upper

63 100

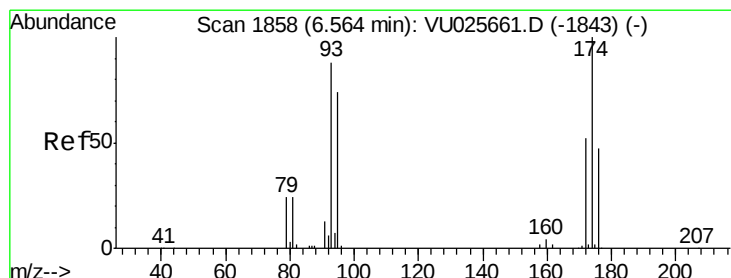
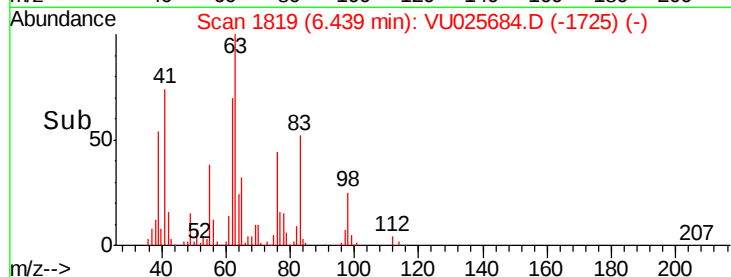
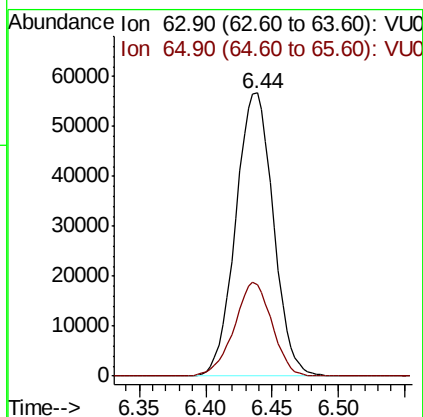
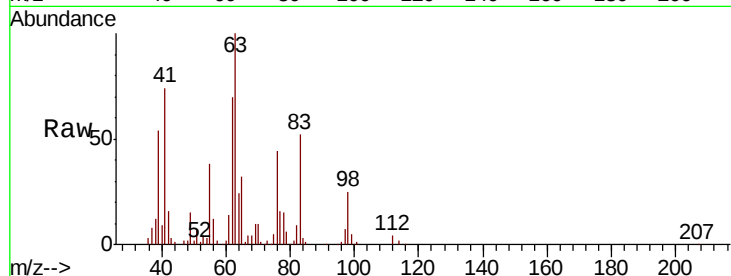
65 32.3 26.1 39.1

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#46

Dibromomethane

Concen: 49.10 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

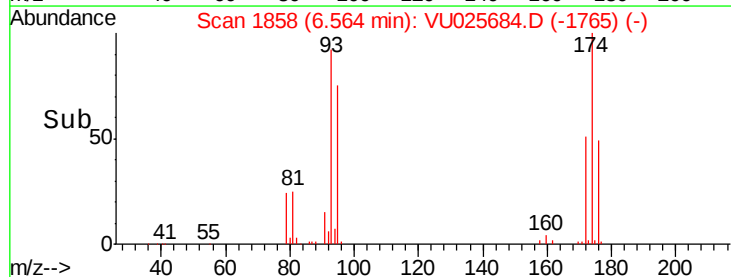
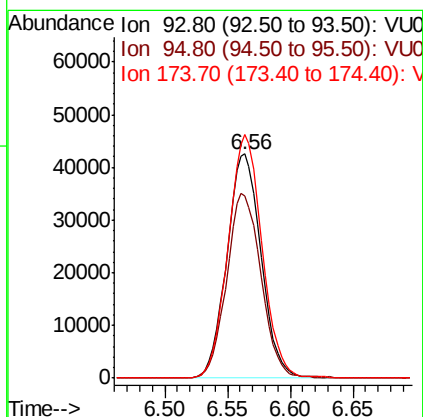
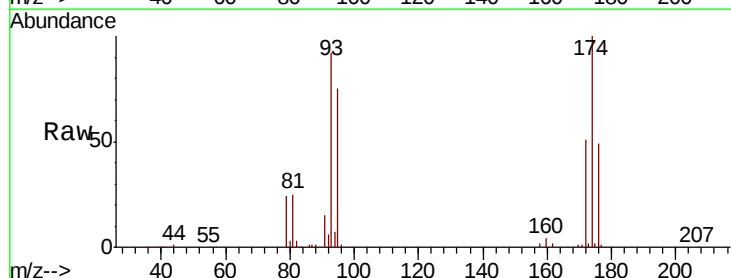
Tgt Ion: 93 Resp: 80898

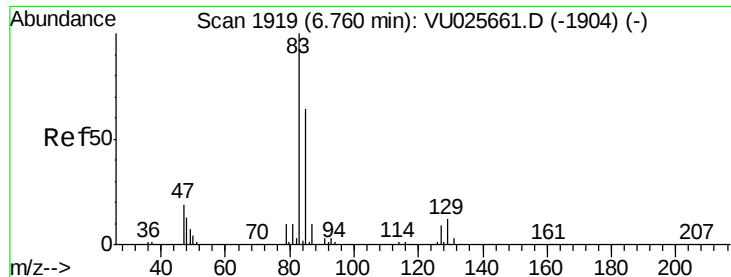
Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

174 107.4 85.8 128.8





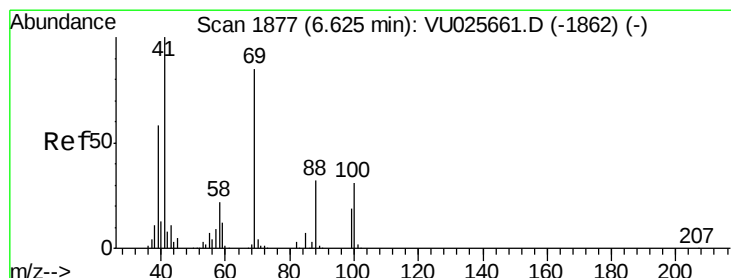
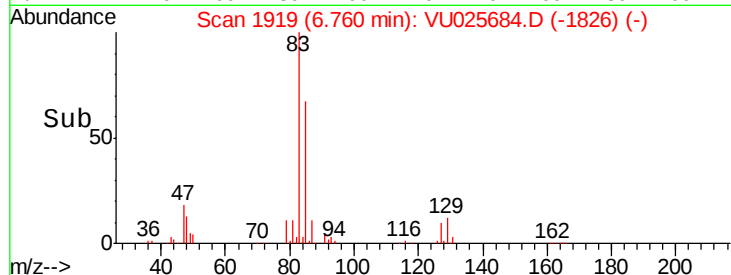
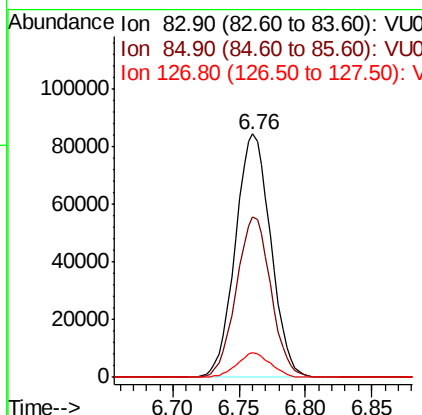
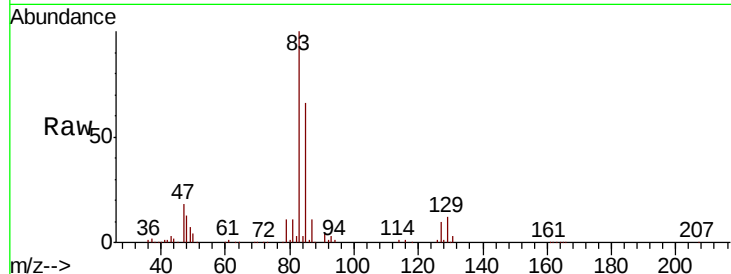
#47
Bromodichloromethane
Concen: 49.69 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	156149		
85	65.9	50.2	75.4	
127	9.9	7.2	10.8	

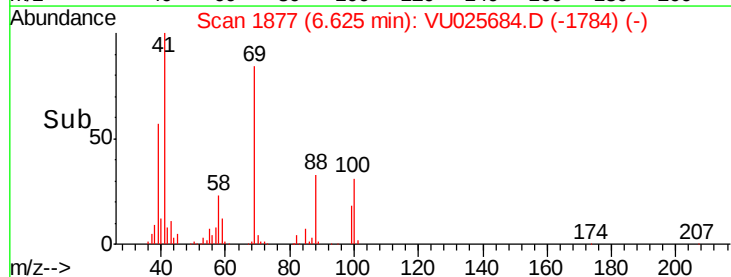
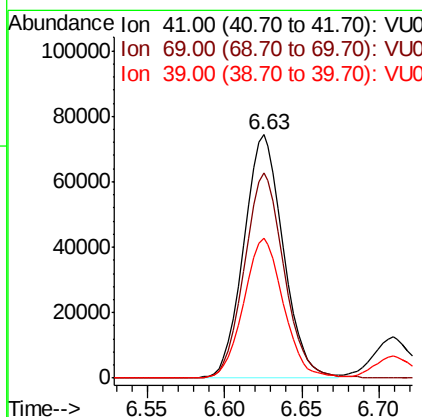
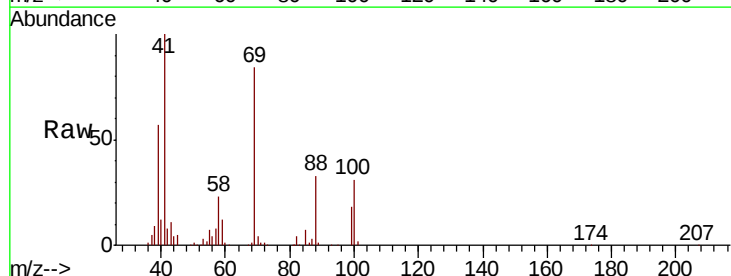
Manual Integrations
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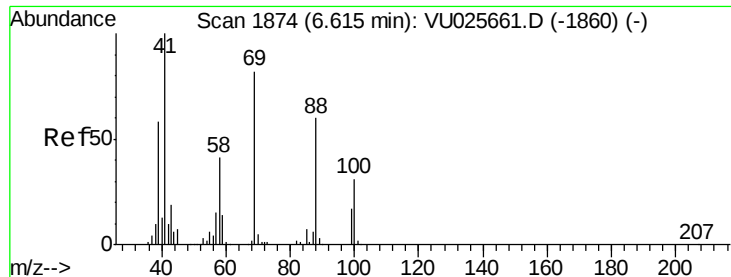
MMDadoda
7/31/2018 3:49:47 PM



#48
Methyl methacrylate
Concen: 52.52 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	131548		
69	85.5	65.0	97.4	
39	58.1	46.4	69.6	





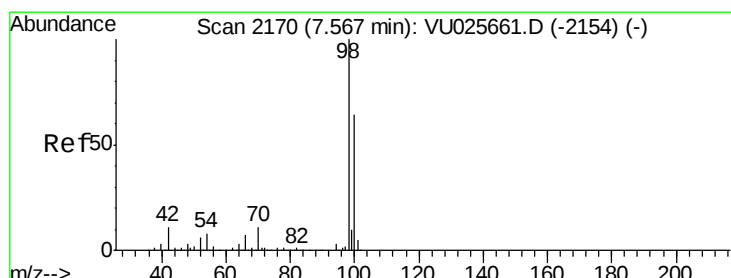
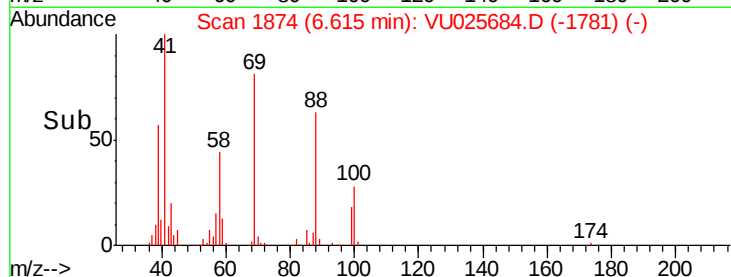
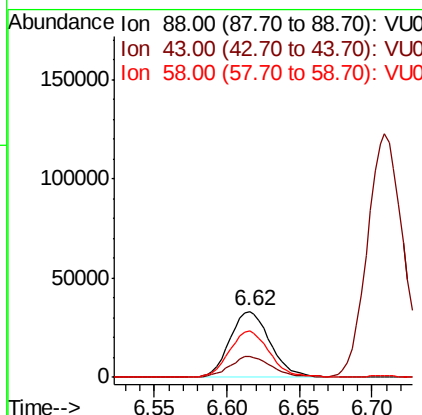
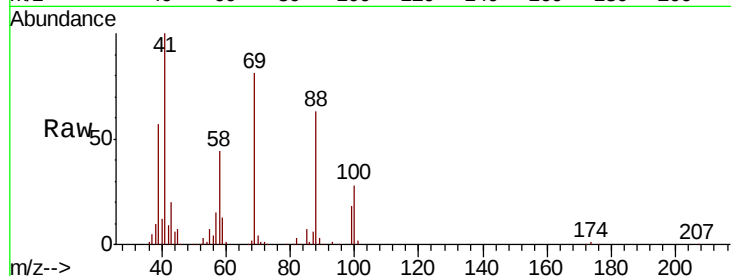
#49
1,4-Dioxane
Concen: 1041.92 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.3	40.9
58	70.8	57.6	86.4

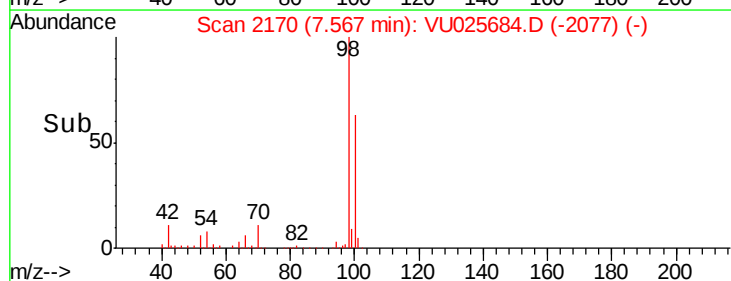
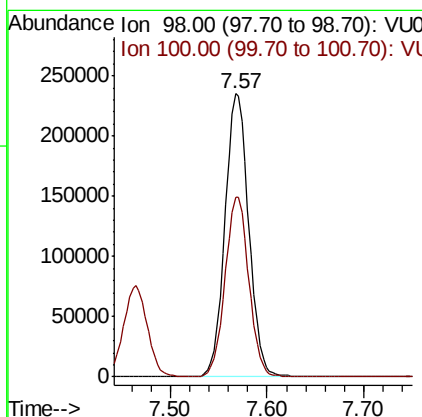
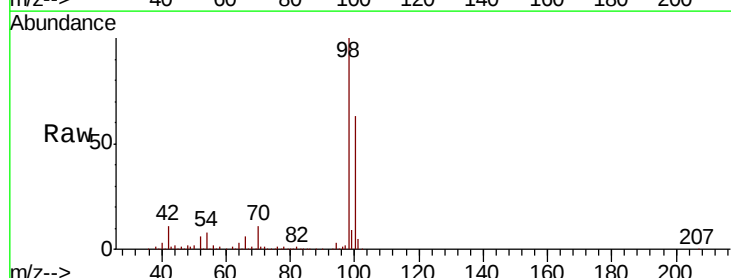
Manual Integrations
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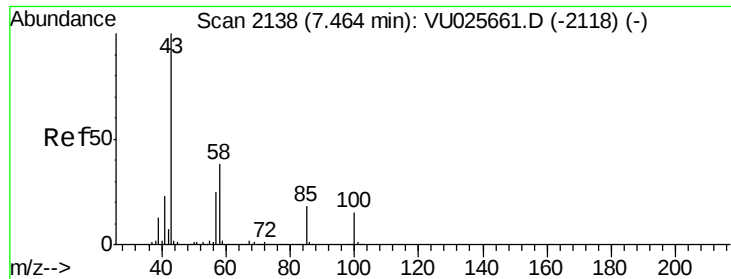
MMDadoda
7/31/2018 3:49:47 PM



#50
Toluene-d8
Concen: 51.59 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 262.36 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 839421

Ion Ratio Lower Upper

43 100

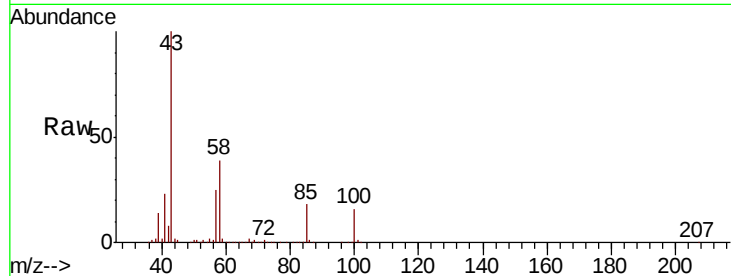
58 38.5 31.0 46.4

Manual Integrations

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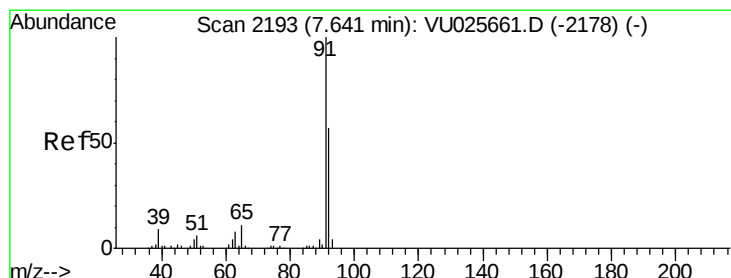
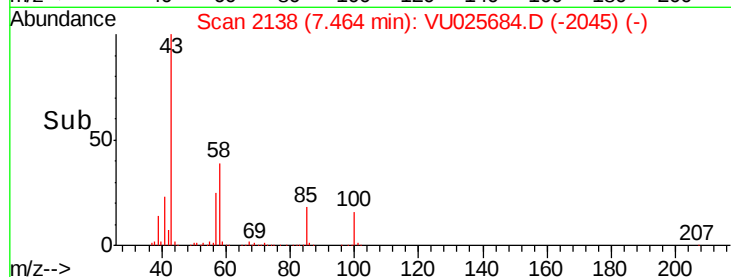
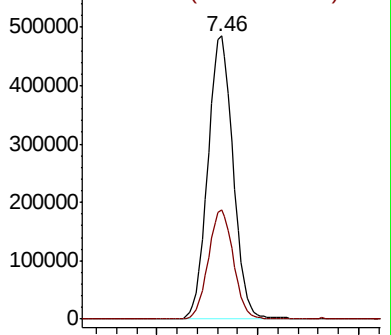
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.26 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025684.D

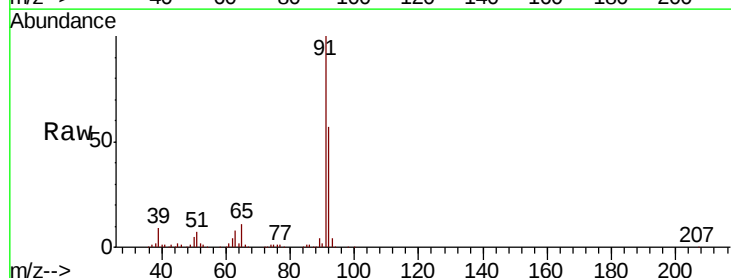
Acq: 27 Jul 2018 21:33

Tgt Ion: 92 Resp: 272214

Ion Ratio Lower Upper

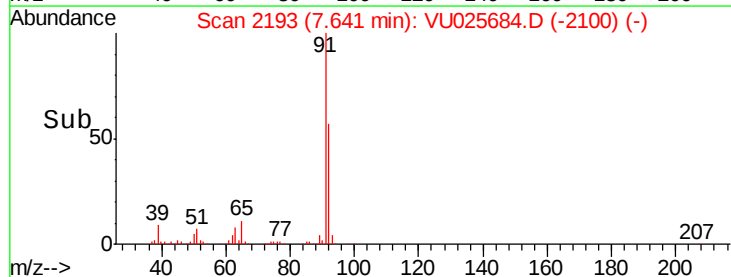
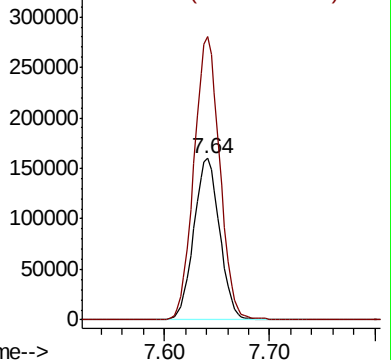
92 100

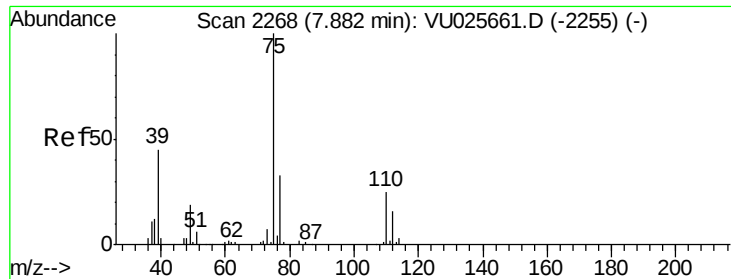
91 174.3 139.2 208.8



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: 49.26 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 173831

Ion Ratio Lower Upper

75 100

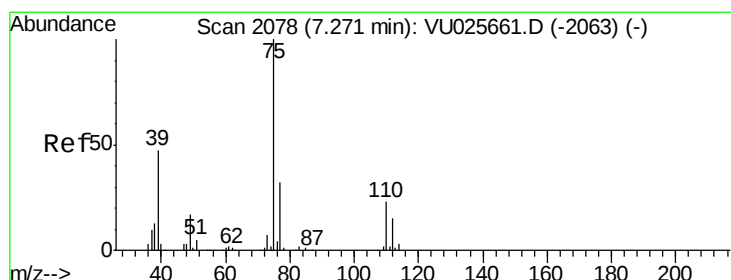
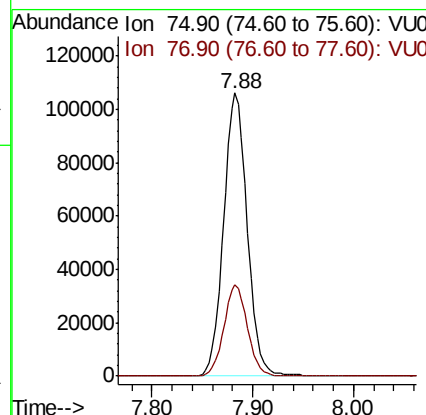
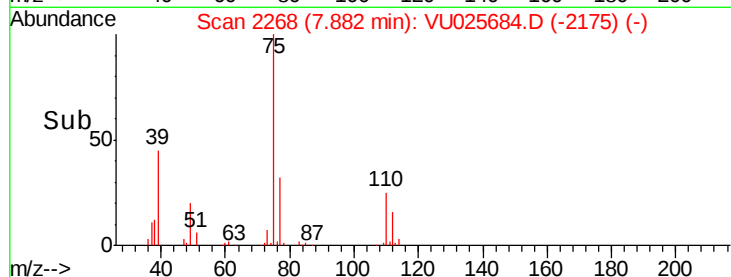
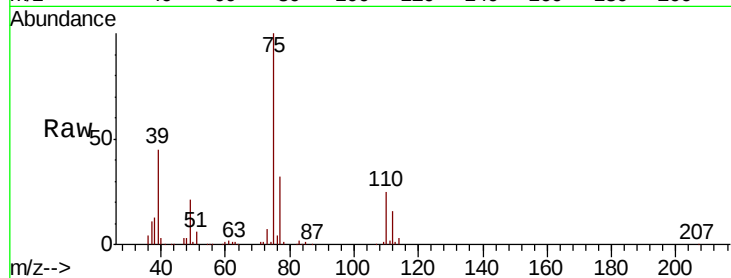
77 32.3 24.5 36.7

Manual Integrations

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7/31/2018 3:49:47 PM



#54

cis-1,3-Dichloropropene

Concen: 49.57 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

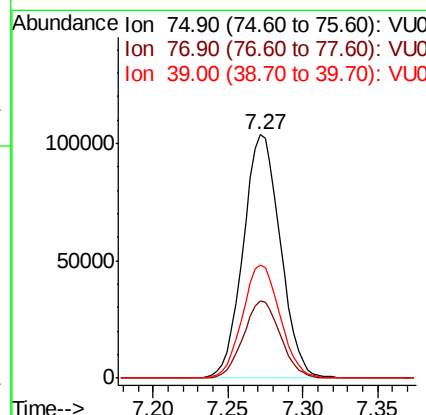
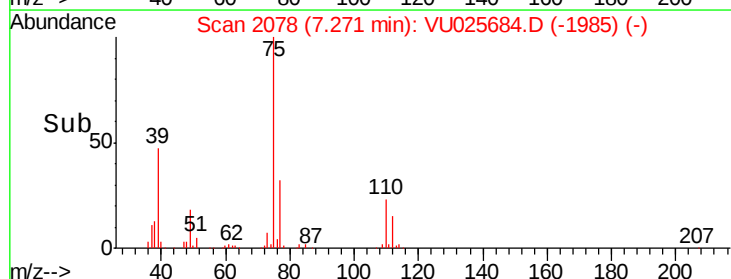
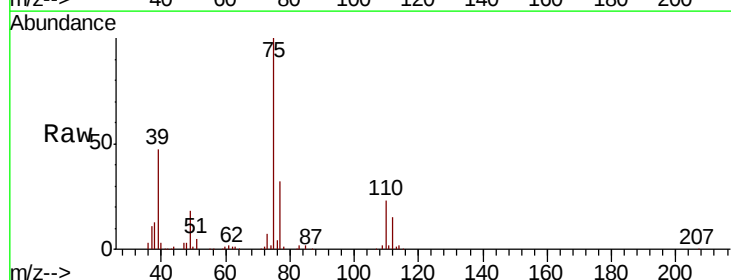
Tgt Ion: 75 Resp: 179683

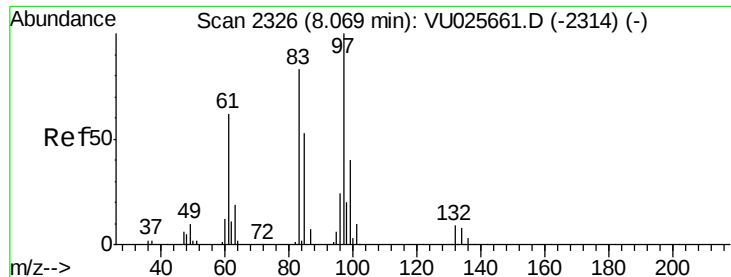
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 46.6 40.0 60.0





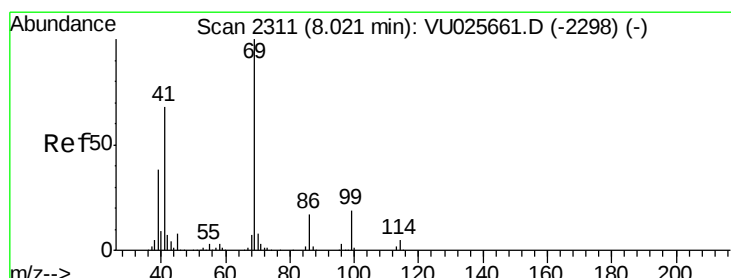
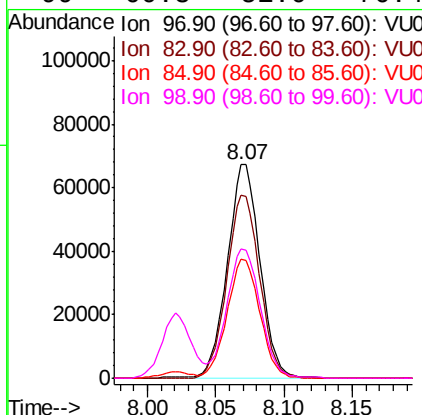
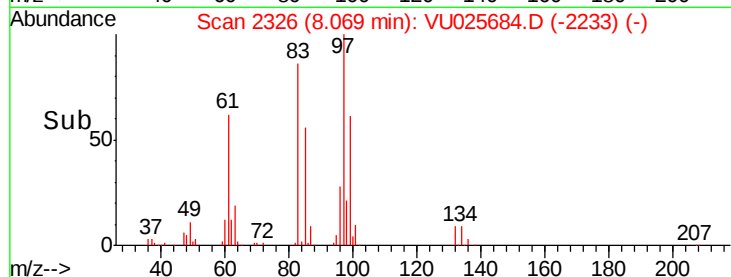
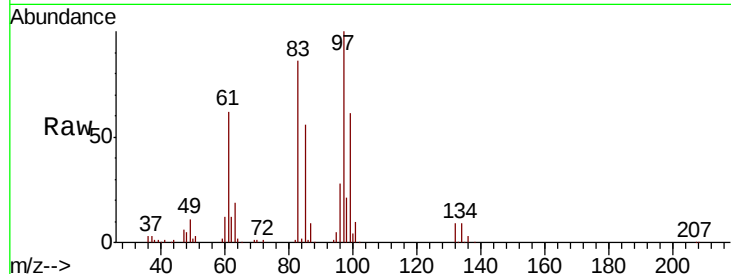
#55
 1,1,2-Trichloroethane
 Concen: 49.38 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	86.1	68.9	103.3		
85	55.6	44.4	66.6		
99	60.8	51.0	76.4		

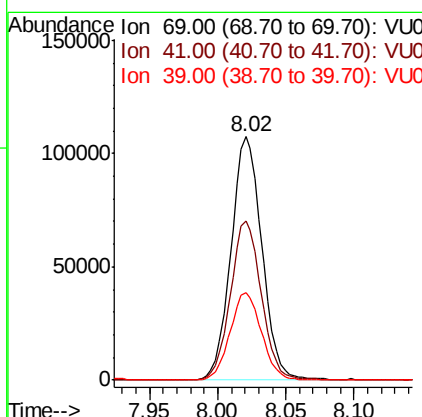
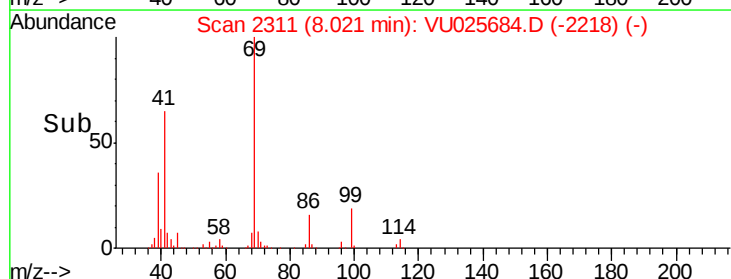
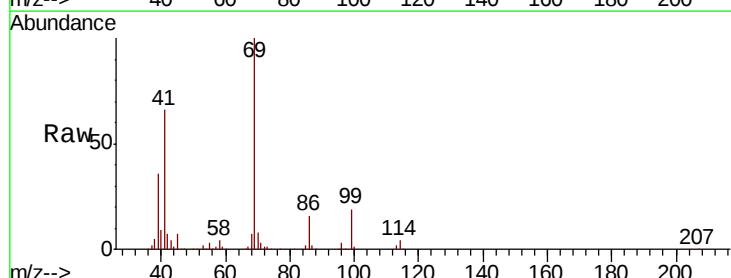
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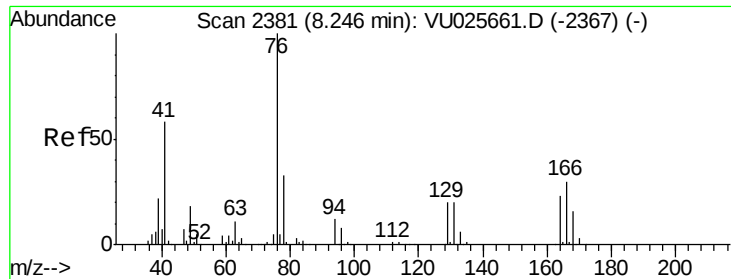
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.47 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	65.9	54.8	82.2		
39	36.6	31.1	46.7		





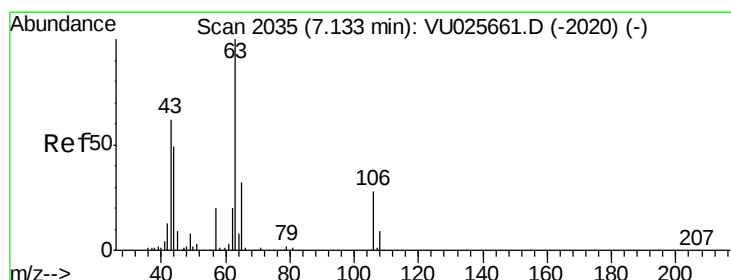
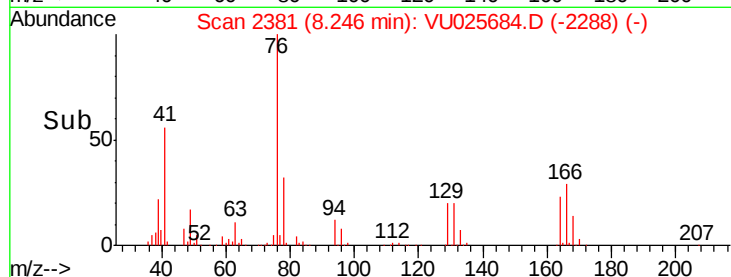
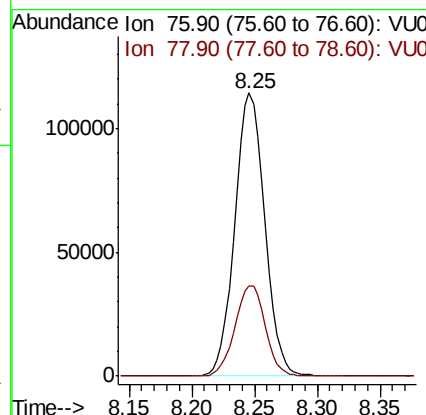
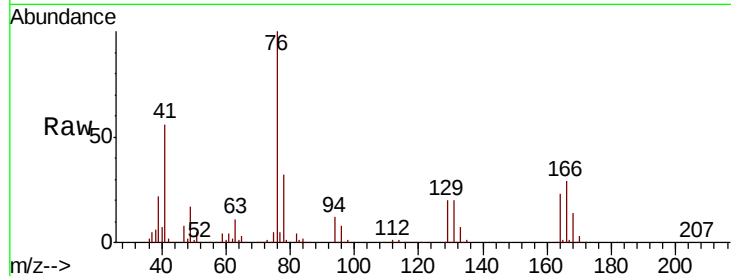
#57
 1,3-Dichloropropane
 Concen: 50.26 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

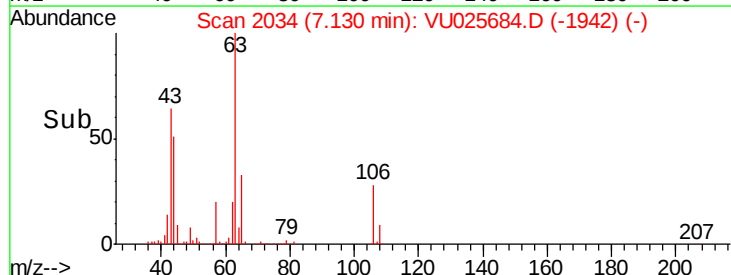
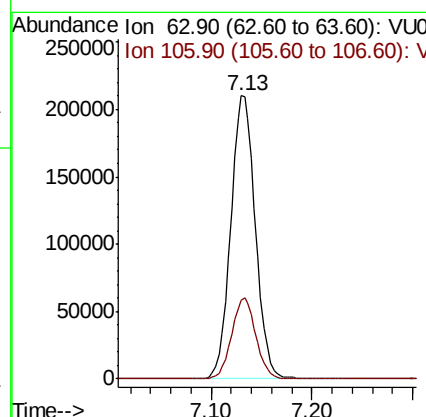
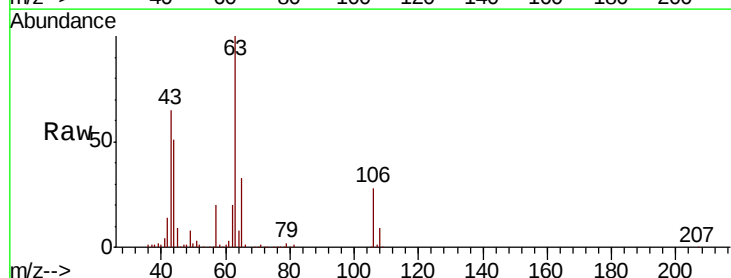
Manual Integrations
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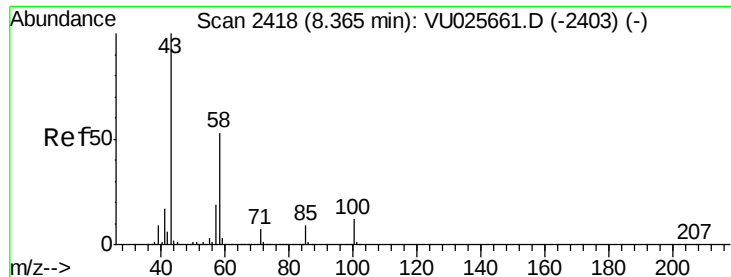
MMDadoda
 7/31/2018 3:49:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.39 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.3	33.5





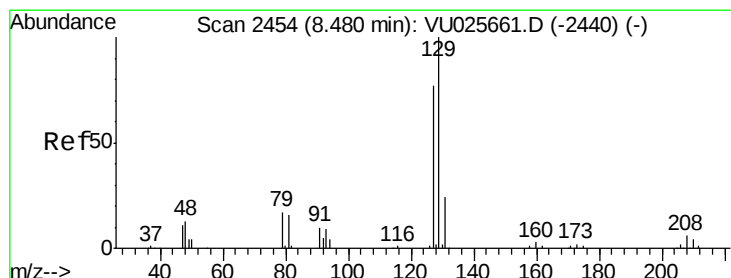
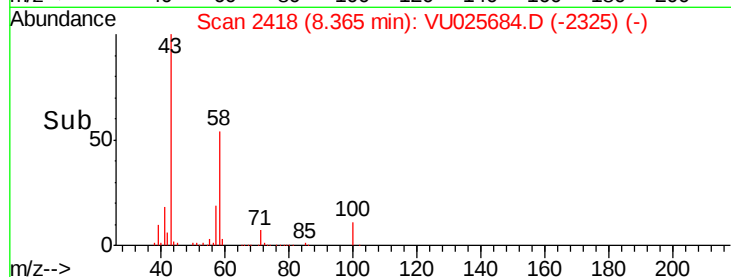
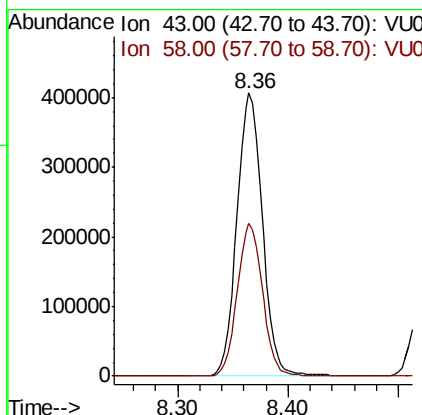
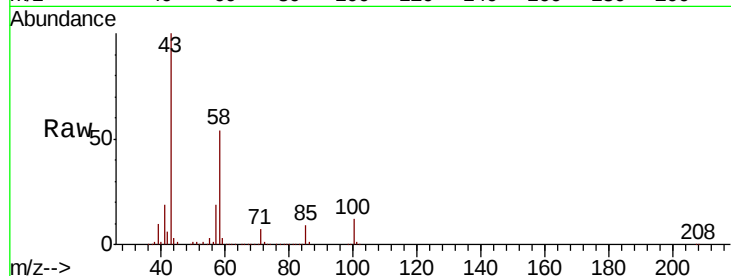
#59
2-Hexanone
Concen: 260.31 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	652868
Ion Ratio	100	Lower	Upper
43	100		
58	53.6	26.2	78.5

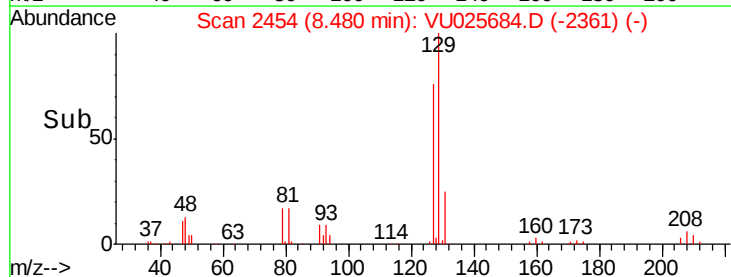
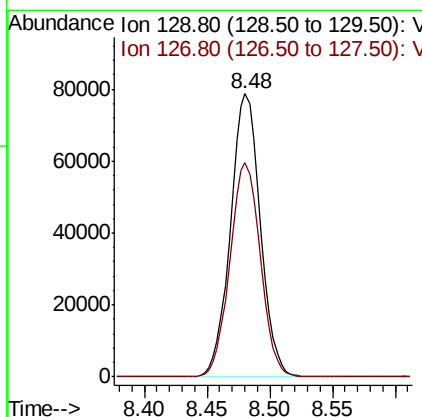
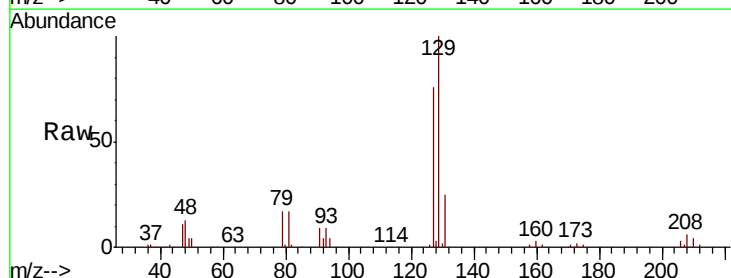
Manual Integrations
APPROVED

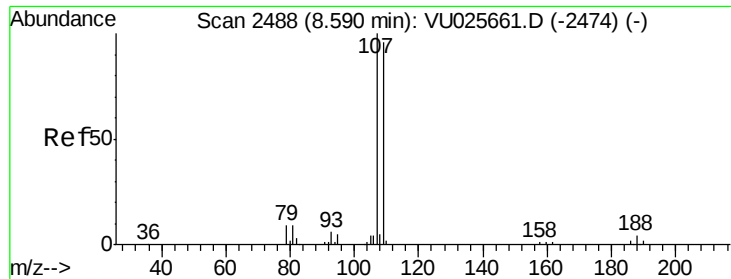
MMDadoda
7/31/2018 3:49:47 PM



#60
Dibromochloromethane
Concen: 48.99 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	129	Resp	130051
Ion Ratio	100	Lower	Upper
129	100		
127	77.4	38.6	115.8





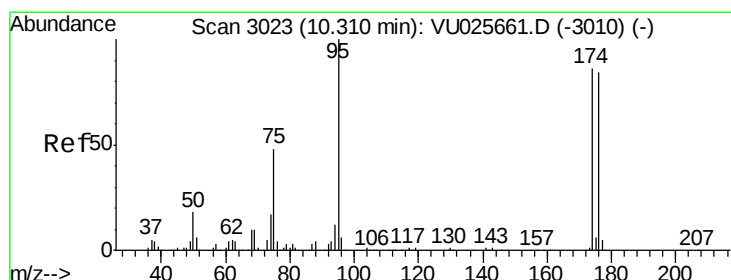
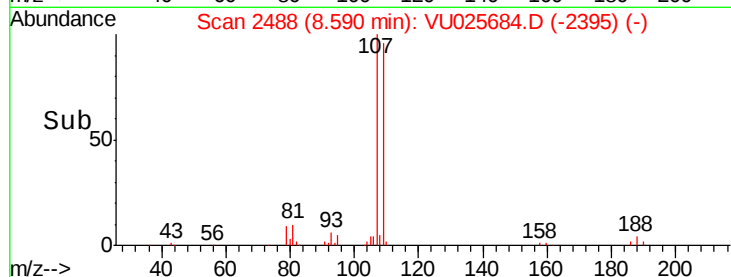
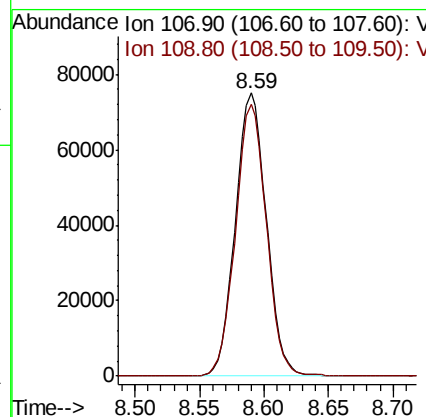
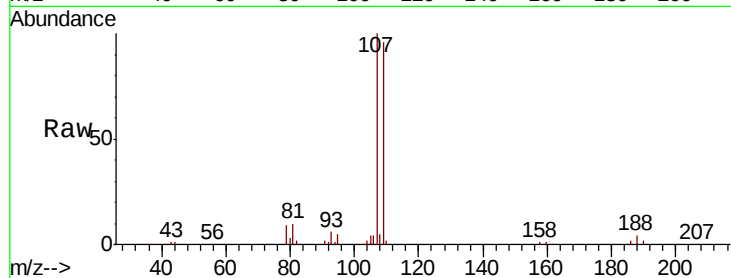
#61
 1,2-Dibromoethane
 Concen: 50.22 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.8	113.8

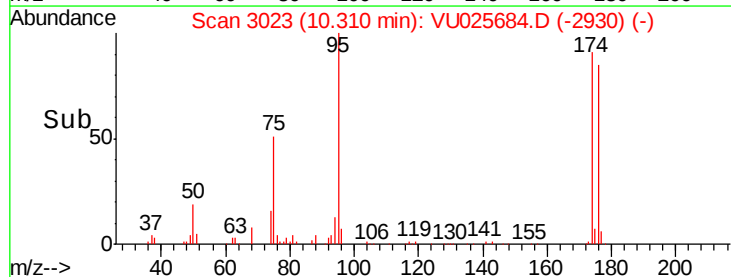
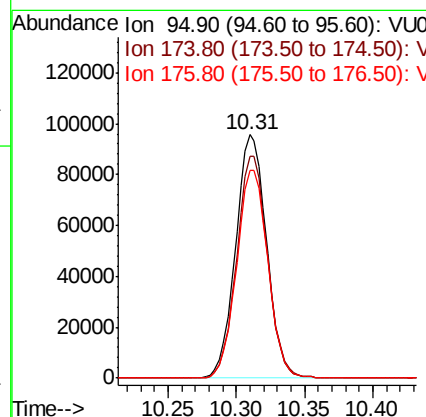
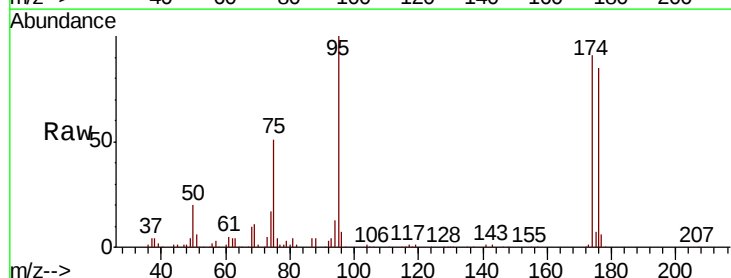
Manual Integrations
 APPROVED

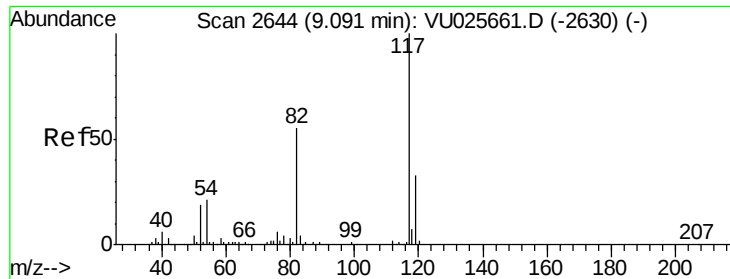
MMDadoda
 7/31/2018 3:49:47 PM



#62
 4-Bromofluorobenzene
 Concen: 49.87 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	172.2
176	86.4	0.0	162.6





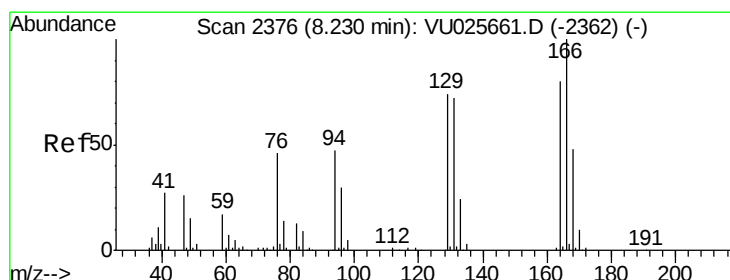
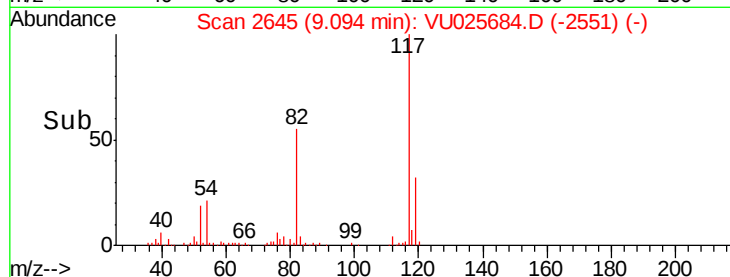
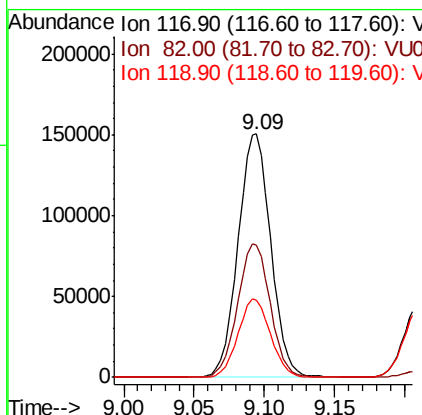
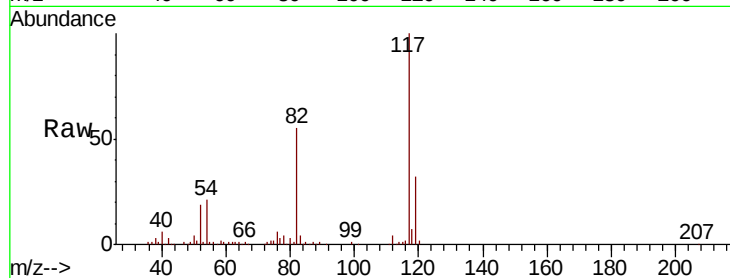
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245550		
82	54.5	46.0	69.0	
119	31.7	26.0	39.0	

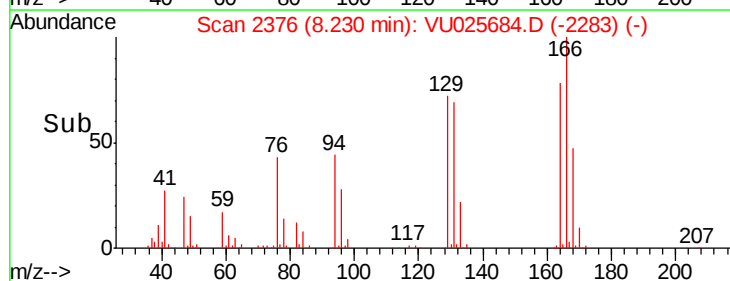
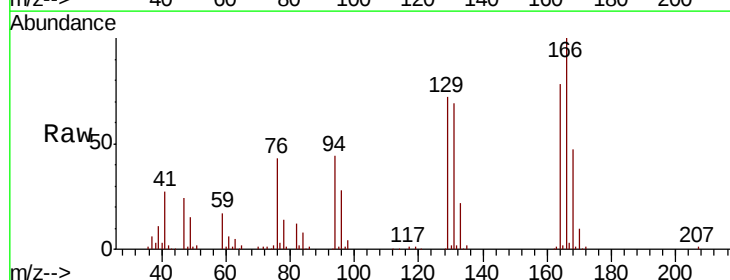
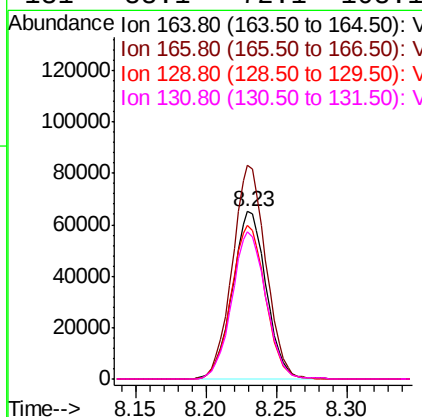
Manual Integrations
APPROVED

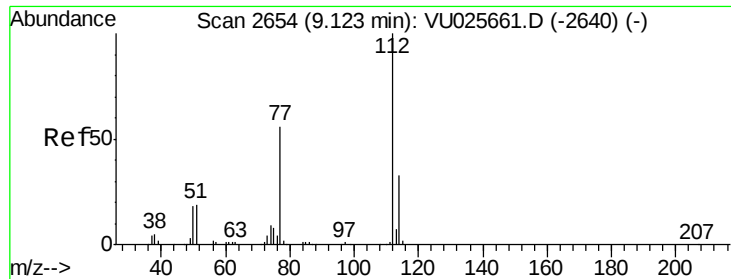
MMDadoda
7/31/2018 3:49:47 PM



#64
Tetrachloroethene
Concen: 50.58 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109329		
166	127.4	101.1	151.7	
129	91.9	73.0	109.6	
131	88.1	72.1	108.1	





#65

Chlorobenzene

Concen: 49.13 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 311042

Ion Ratio Lower Upper

112 100

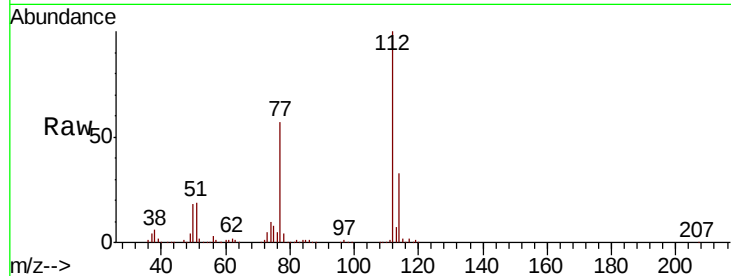
114 32.6 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

200000

150000

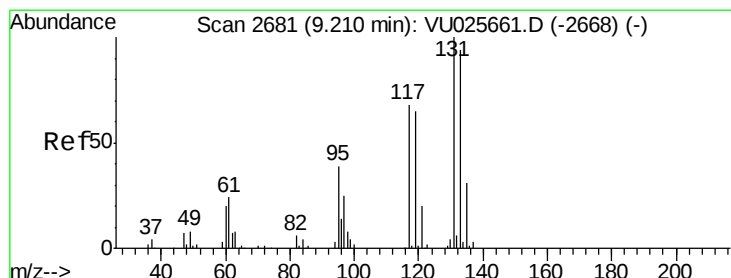
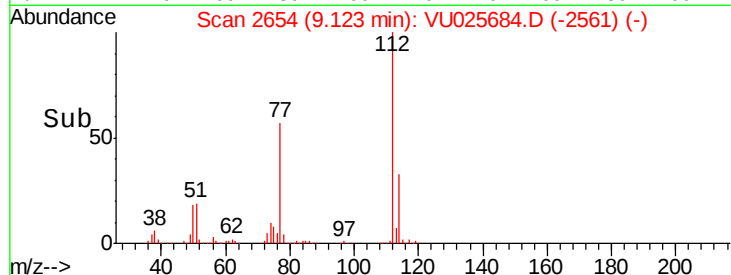
100000

50000

0

Time-->

9.05 9.10 9.15 9.20 9.25



#66

1,1,1,2-Tetrachloroethane

Concen: 50.68 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

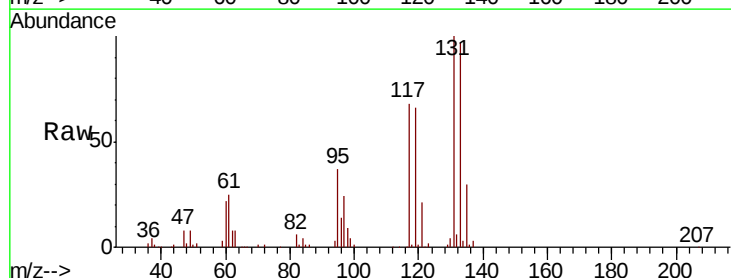
Tgt Ion:131 Resp: 116063

Ion Ratio Lower Upper

131 100

133 96.9 47.8 143.3

119 65.7 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

80000

60000

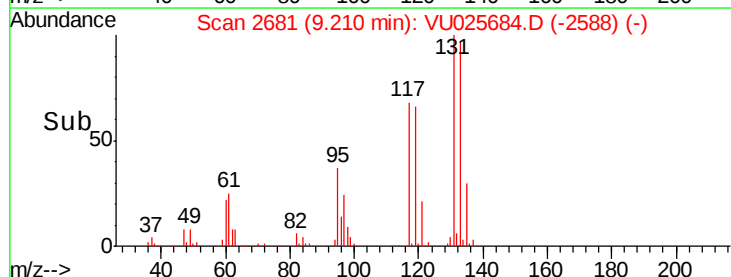
40000

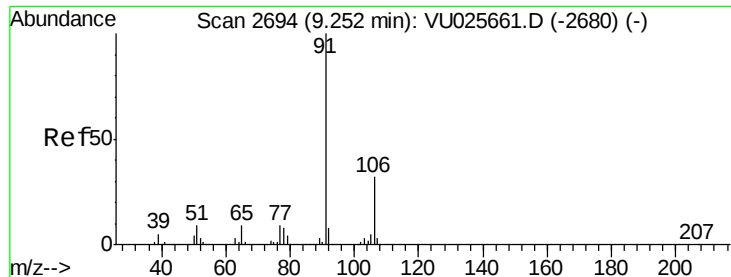
20000

0

Time-->

9.15 9.20 9.25





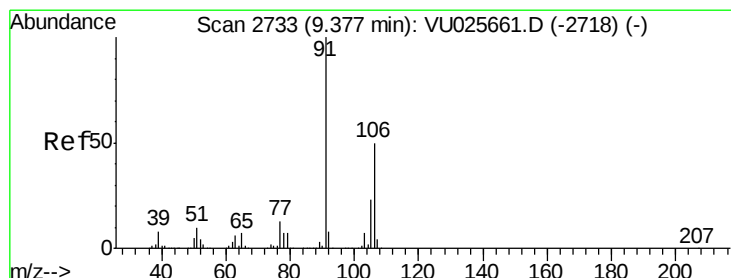
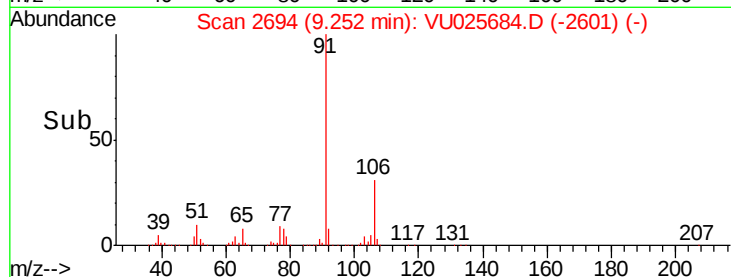
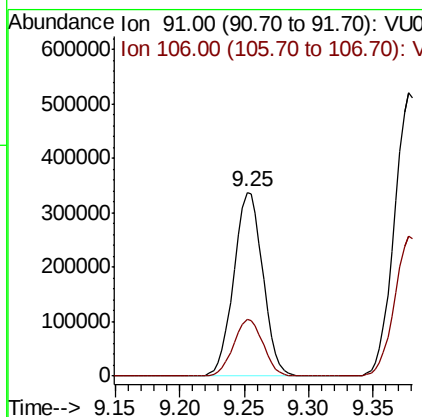
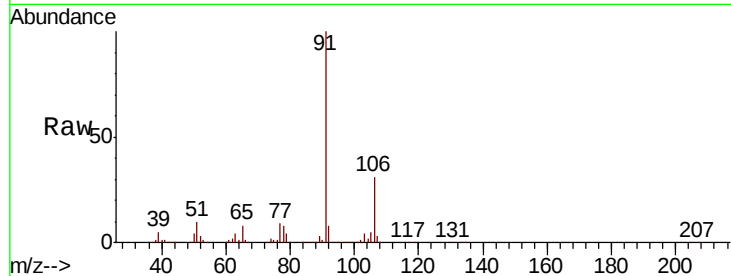
#67
Ethyl Benzene
Concen: 50.57 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.3	37.9

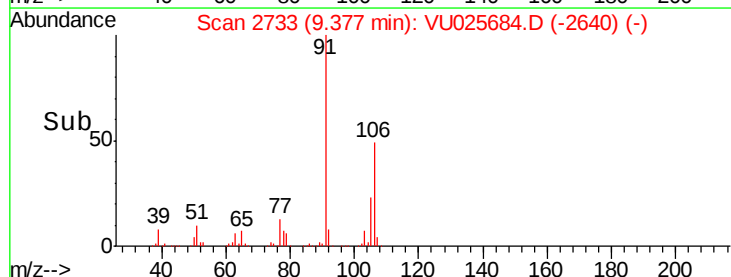
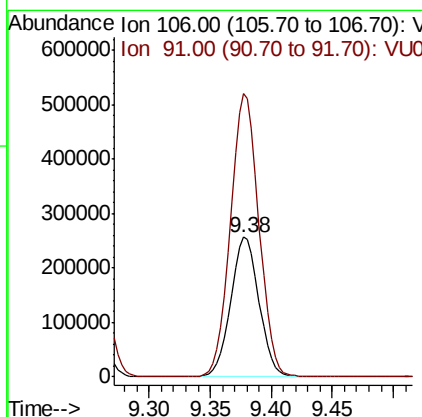
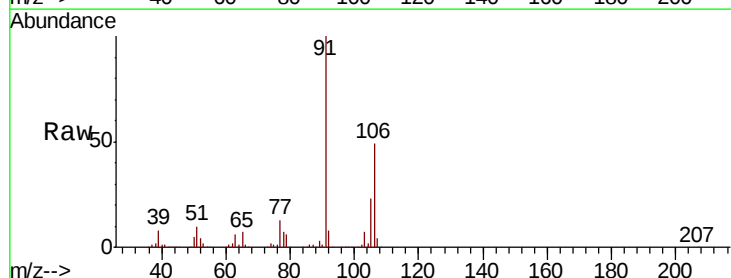
Manual Integrations
APPROVED

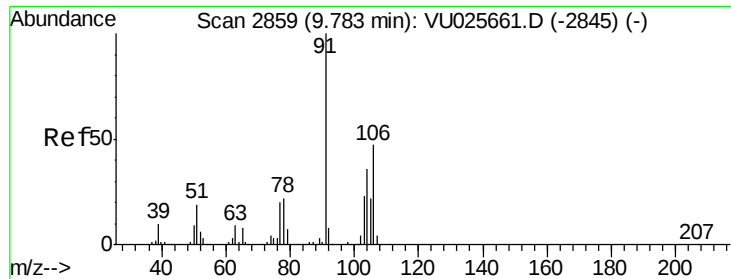
MMDadoda
7/31/2018 3:49:47 PM



#68
m/p-Xylenes
Concen: 102.72 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.3	162.3	243.5





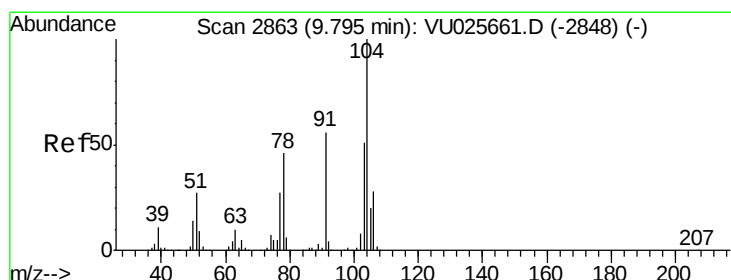
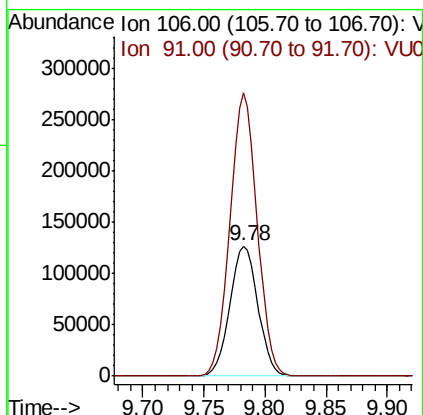
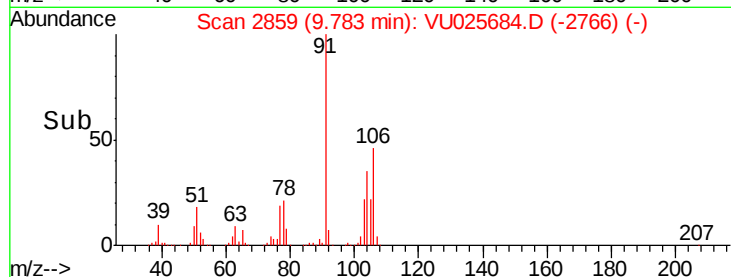
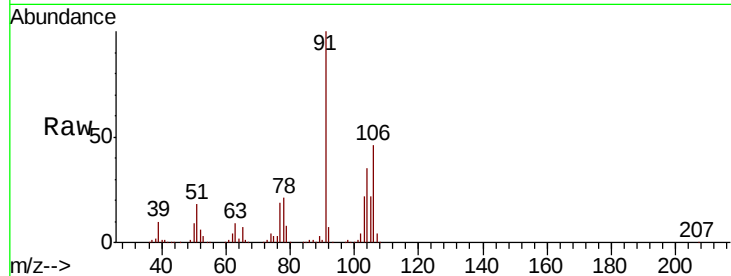
#69
o-Xylene
Concen: 51.53 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		202744		
91	211.8	105.3	315.8		

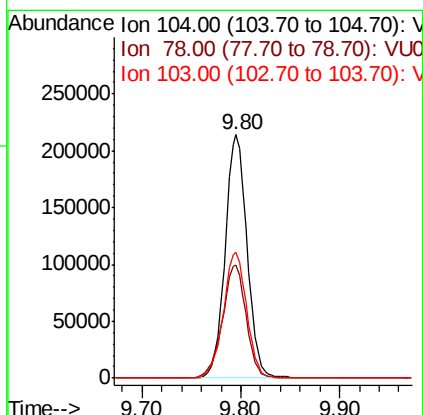
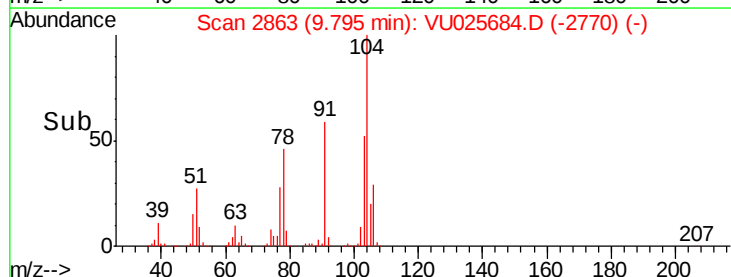
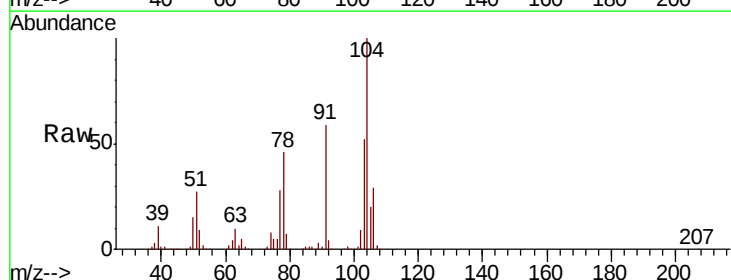
Manual Integrations
APPROVED

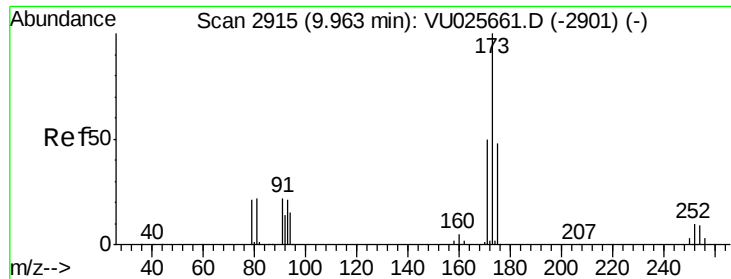
MMDadoda
7/31/2018 3:49:47 PM



#70
Styrene
Concen: 52.21 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		331830		
78	50.4	41.6	62.4		
103	55.1	44.6	66.8		





#71

Bromoform

Concen: 50.81 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

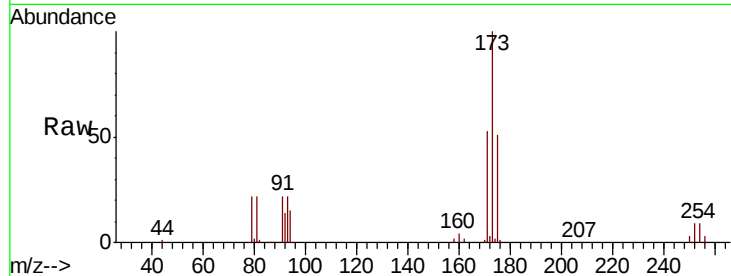
ClientSampleId :

VSTDCCC050

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

Manual Integrations
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MMDadoda
7/31/2018 3:49:47 PM

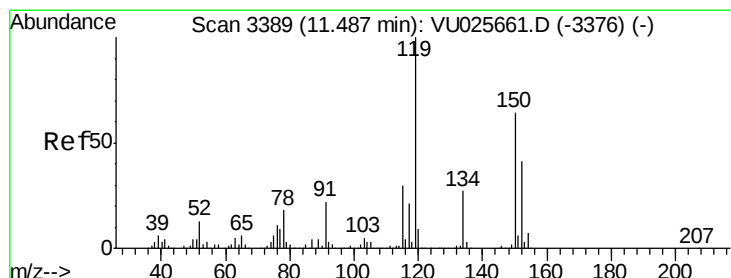
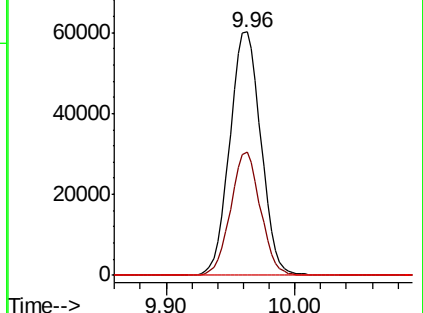
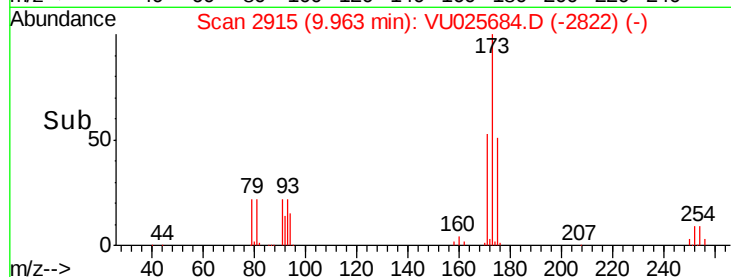


Abundance

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

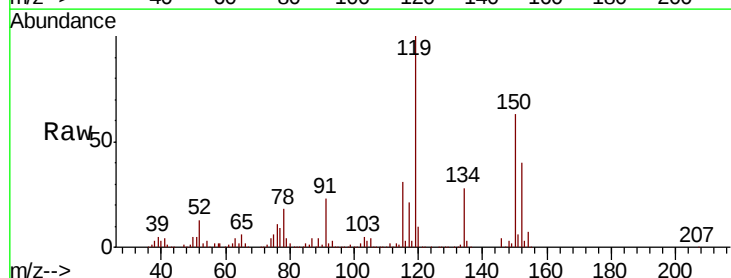
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.2	40.1	120.3
150	176.9	0.0	351.4

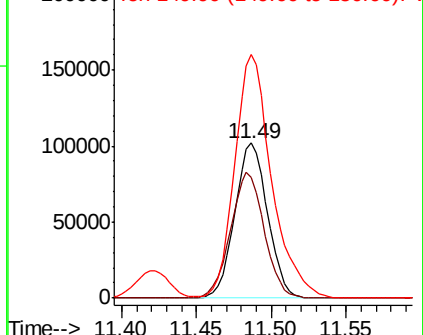
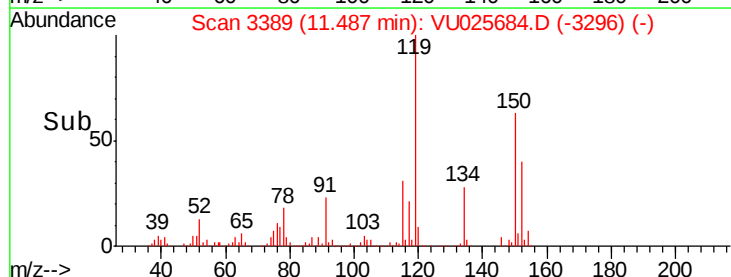


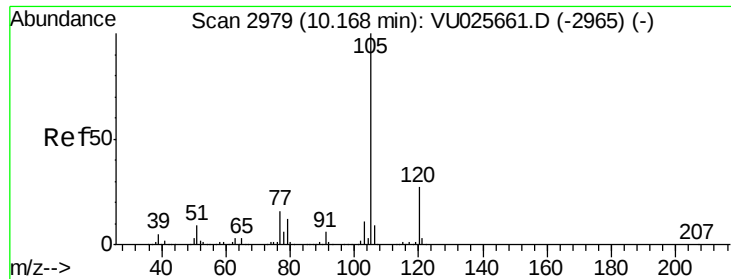
Abundance

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: 51.30 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 543896

Ion Ratio Lower Upper

105 100

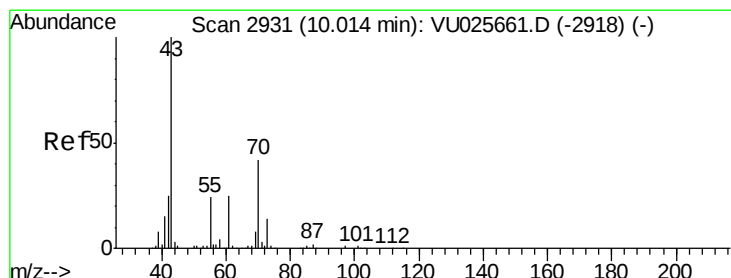
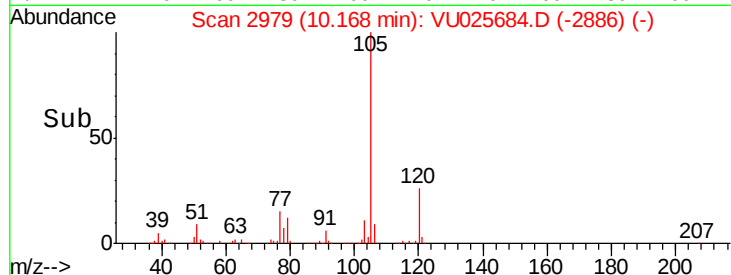
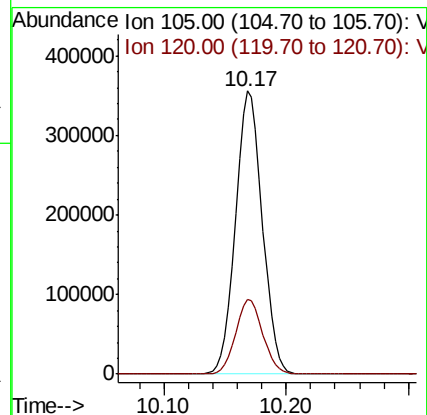
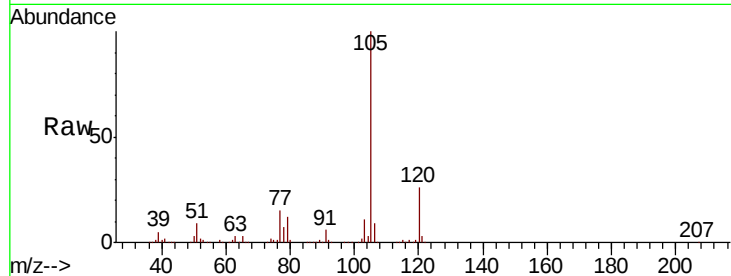
120 26.6 13.5 40.5

Manual Integrations

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MMDadoda

7/31/2018 3:49:47 PM



#74

N-ethyl acetate

Concen: 53.54 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion: 43 Resp: 231760

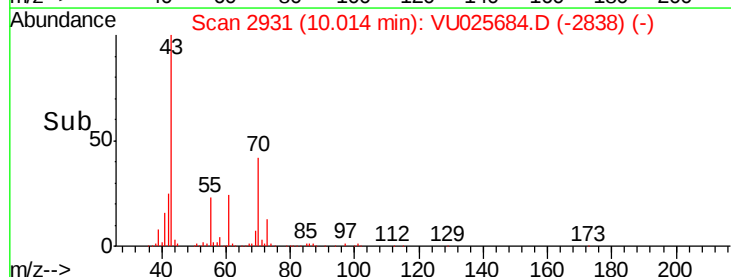
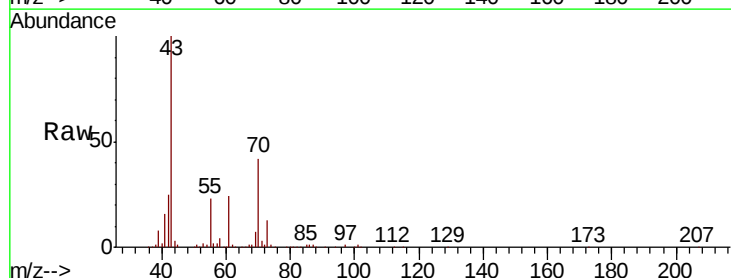
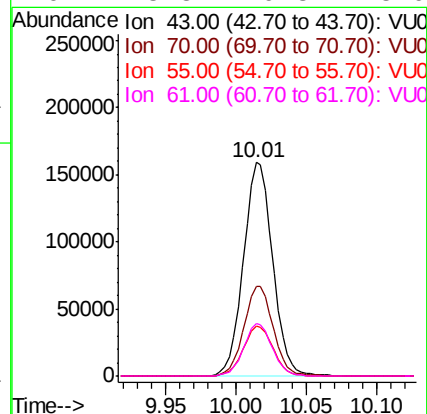
Ion Ratio Lower Upper

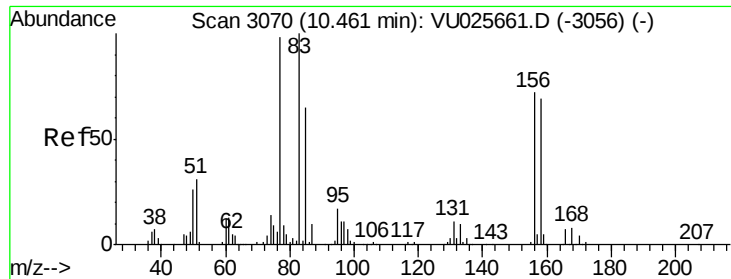
43 100

70 42.1 33.4 50.2

55 23.8 19.0 28.6

61 23.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.12 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 187427
Ion Ratio Lower Upper

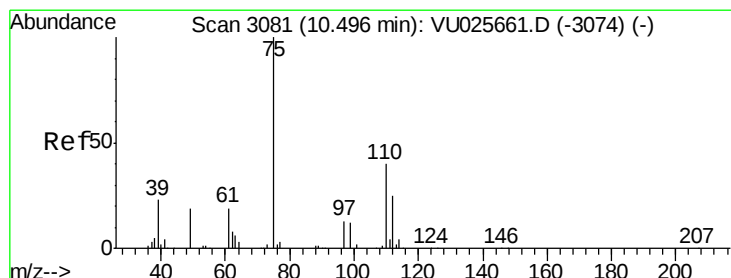
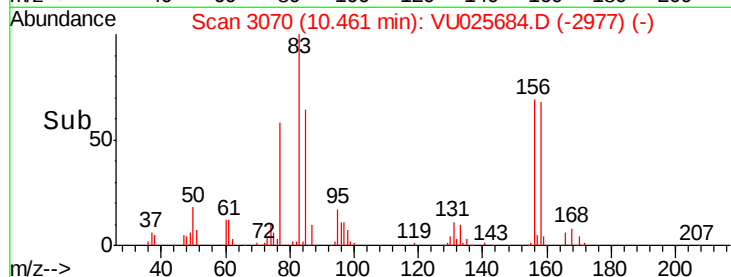
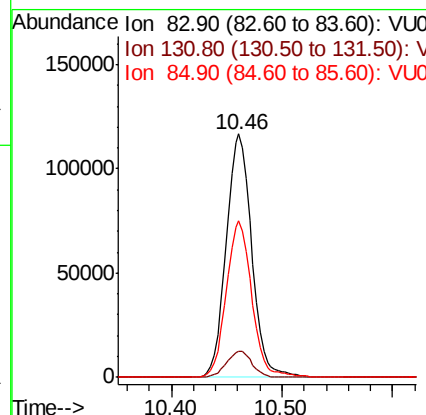
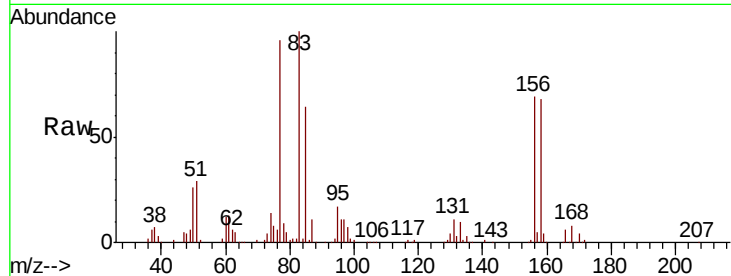
83 100

131 10.6 5.5 16.4

85 64.2 31.6 94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.09 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

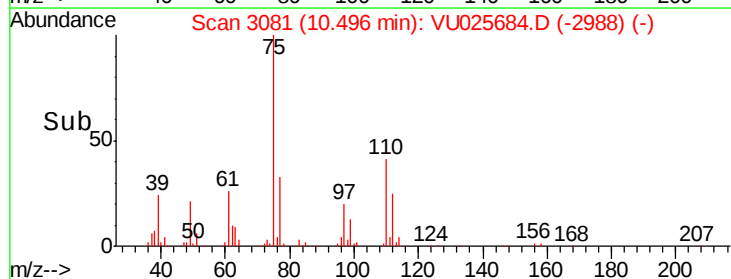
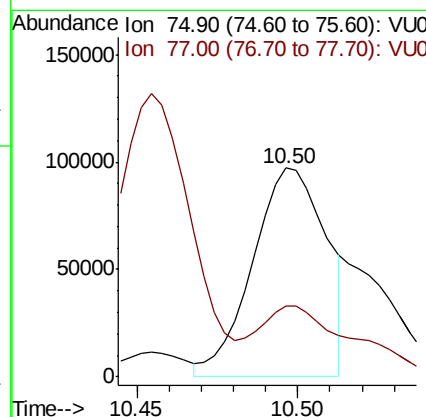
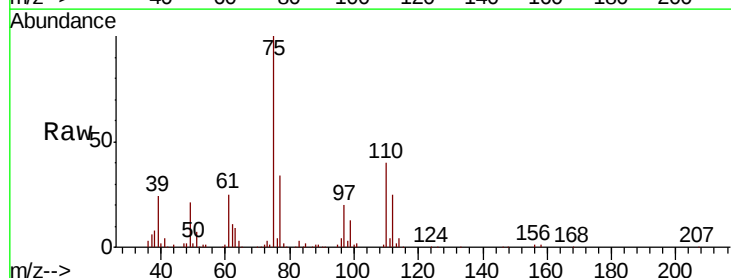
Lab File: VU025684.D

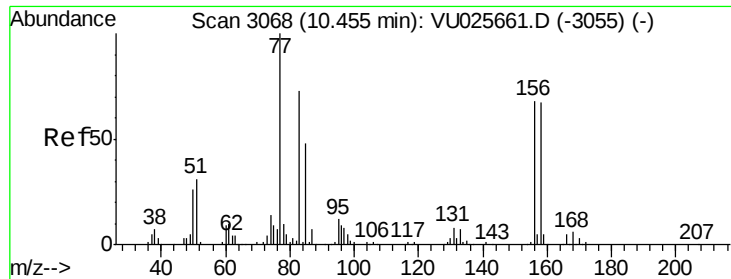
Acq: 27 Jul 2018 21:33

Tgt Ion: 75 Resp: 154333
Ion Ratio Lower Upper

75 100

77 43.1 20.4 61.3





#77

Bromobenzene

Concen: 50.34 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

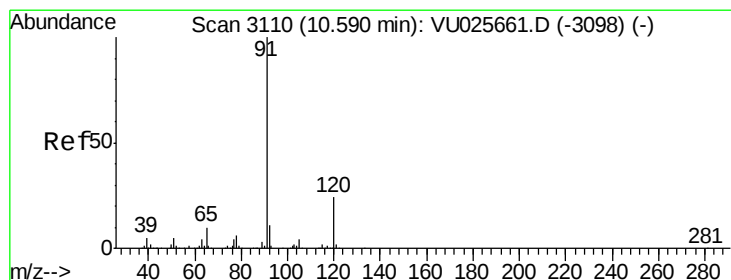
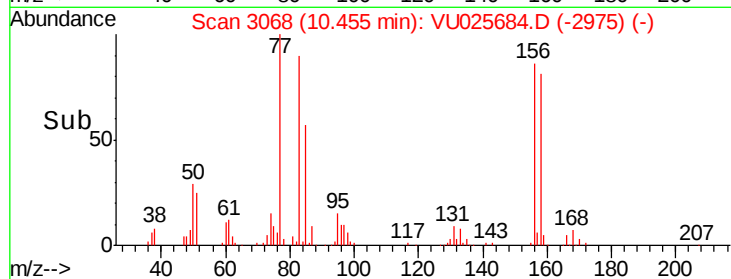
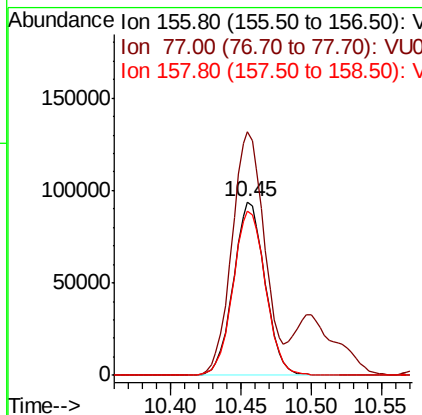
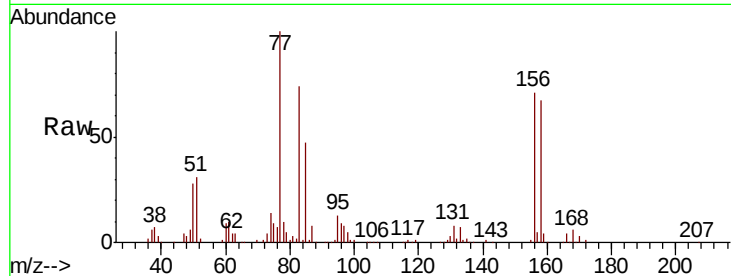
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	147221
Ion Ratio	Lower	Upper	
156	100		
77	144.5	73.8	221.4
158	97.5	48.0	144.0

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#78

n-propylbenzene

Concen: 51.74 ug/l

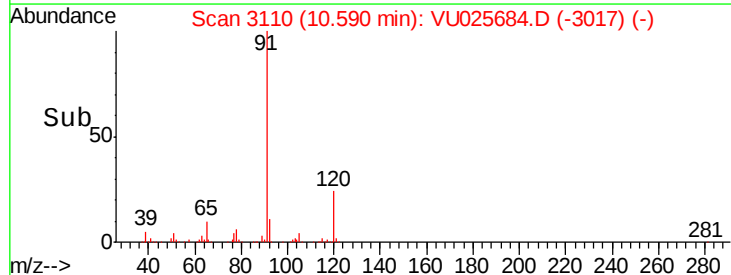
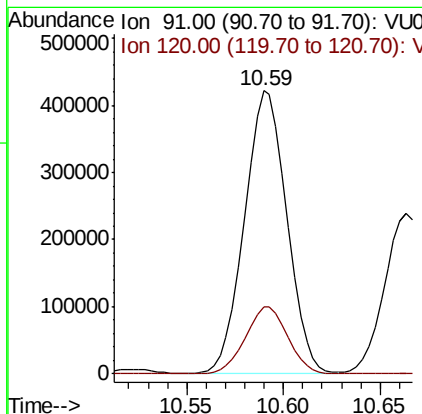
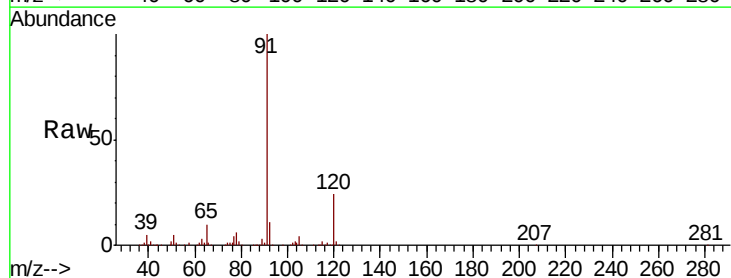
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion:	91	Resp:	640264
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.3





#79

2-Chlorotoluene

Concen: 51.79 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 375405

Ion Ratio Lower Upper

91 100

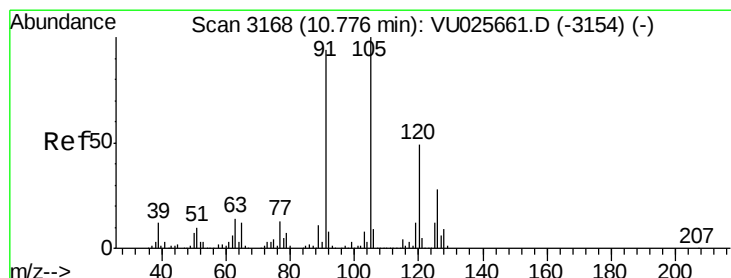
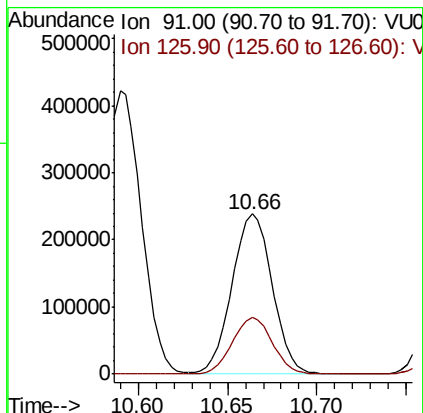
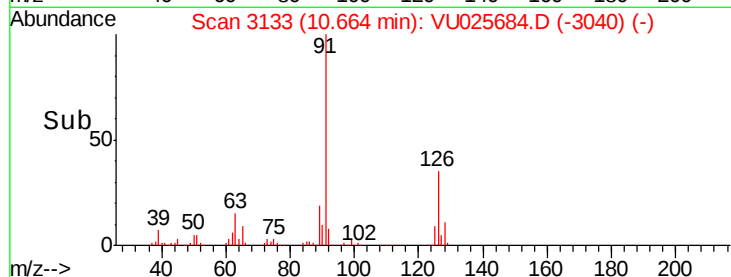
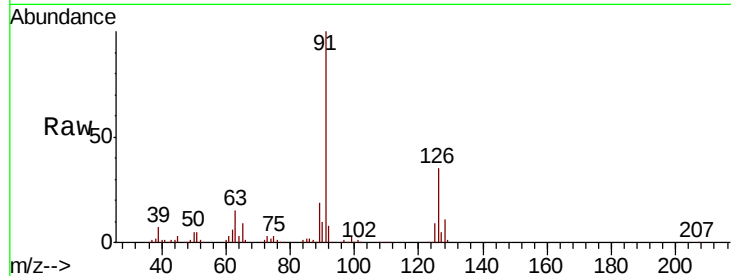
126 35.2 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 52.35 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025684.D

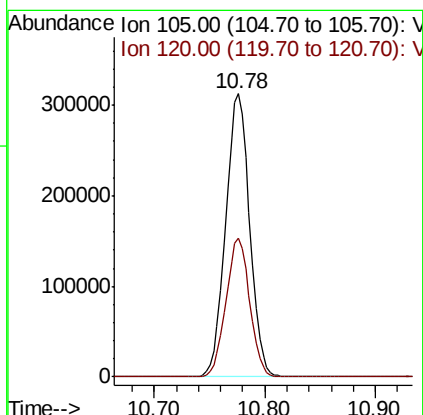
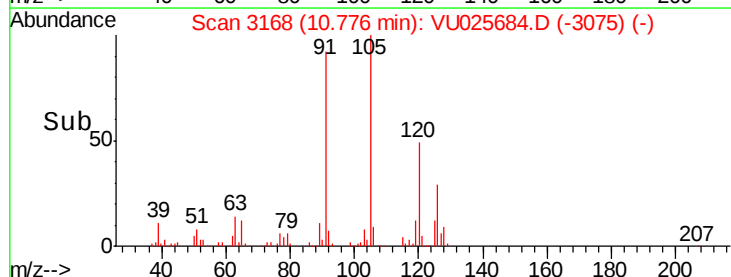
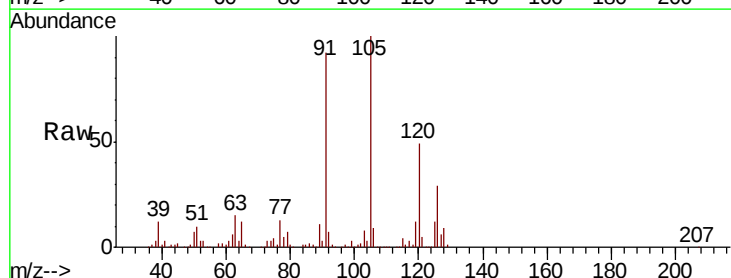
Acq: 27 Jul 2018 21:33

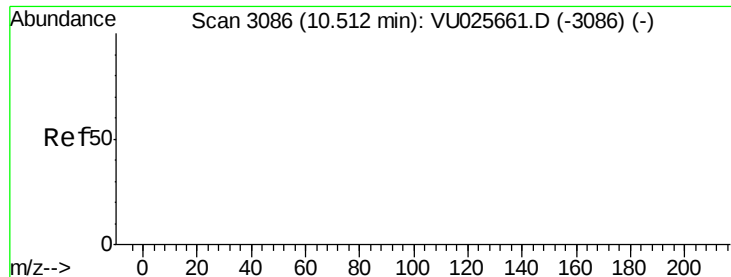
Tgt Ion: 105 Resp: 471412

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





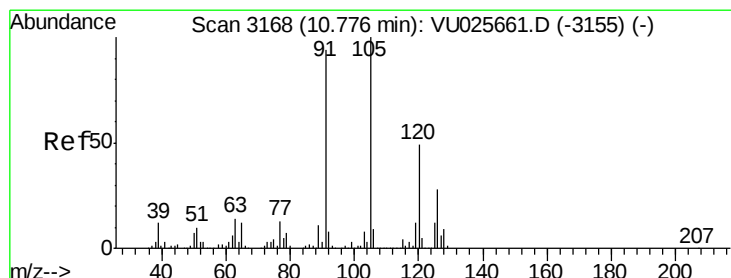
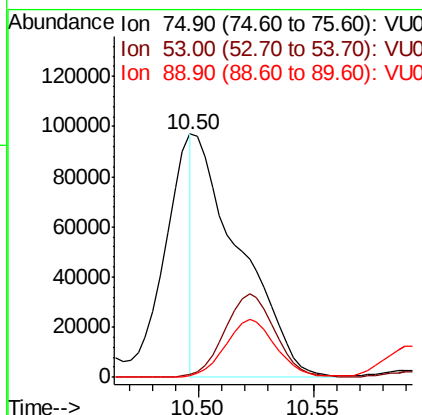
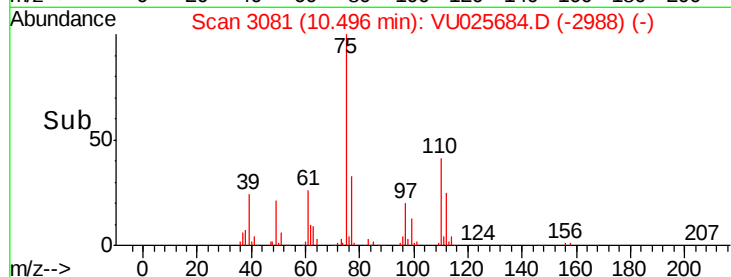
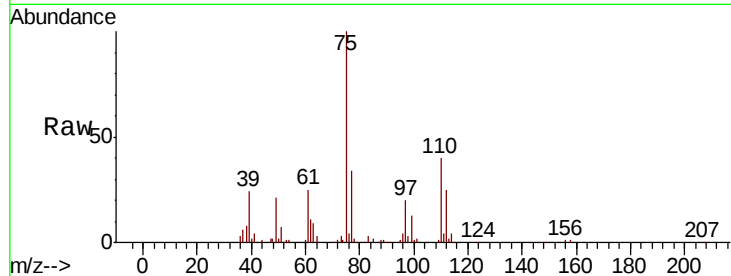
#81
trans-1,4-Dichloro-2-butene
Concen: 97.69 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

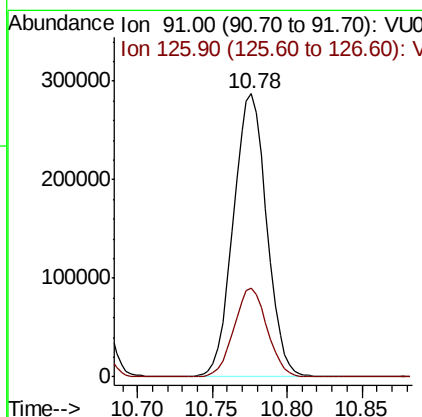
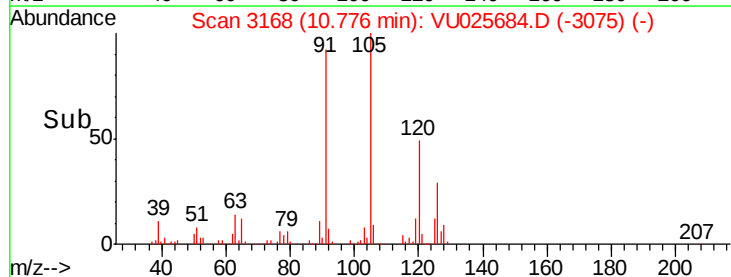
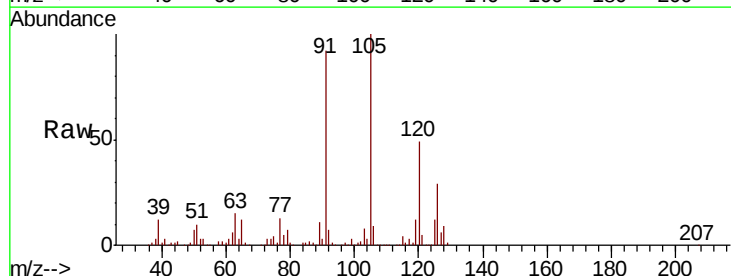
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#82
4-Chlorotoluene
Concen: 52.04 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.3	45.9





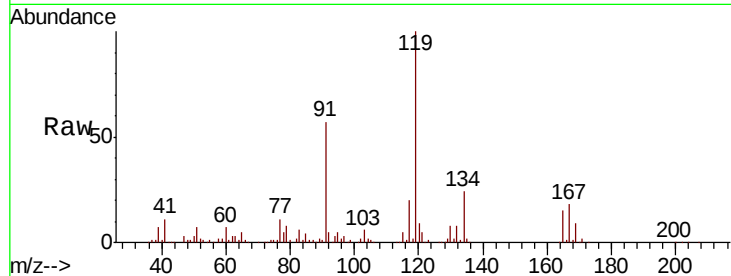
#83
 tert-Butylbenzene
 Concen: 51.41 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

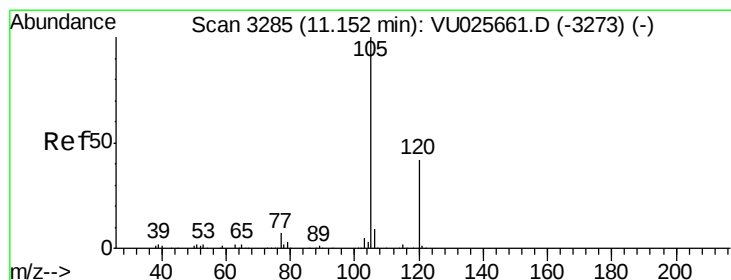
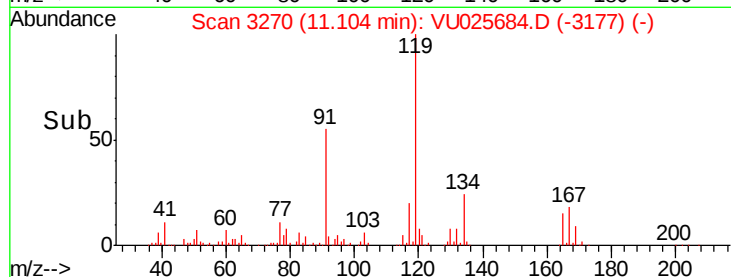
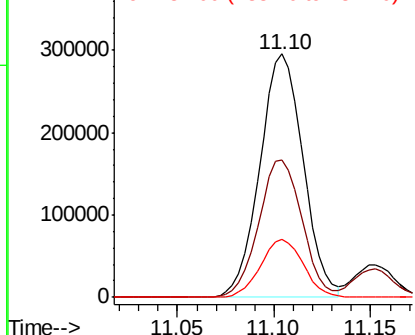
Tot Ion	Ratio	Resp	Lower	Upper
119	100	459932		
91	56.4	29.7	89.1	
134	23.4	11.5	34.5	

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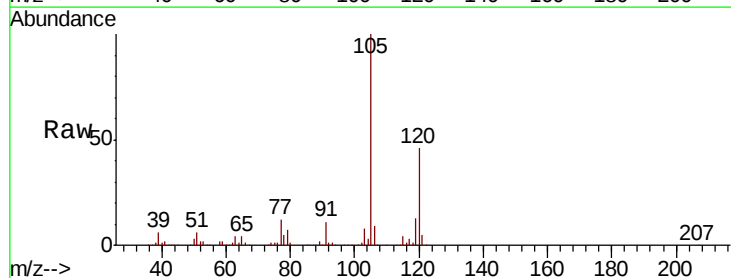


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

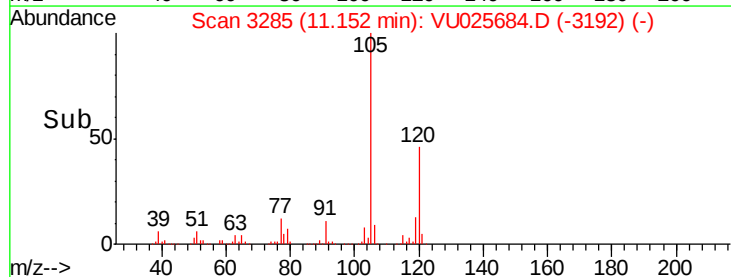
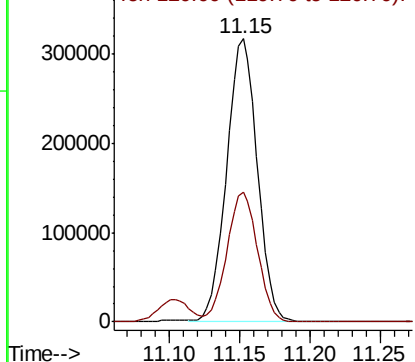


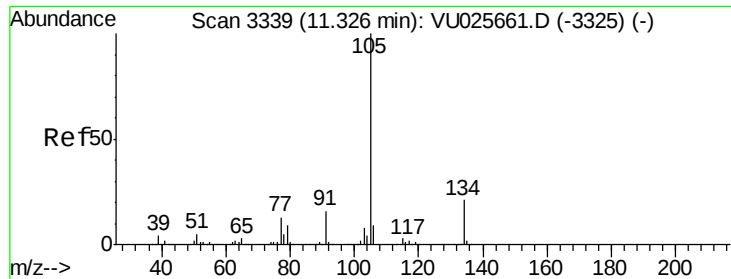
#84
 1,2,4-Trimethylbenzene
 Concen: 52.74 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	481205		
120	46.0	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: 51.74 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 565181

Ion Ratio Lower Upper

105 100

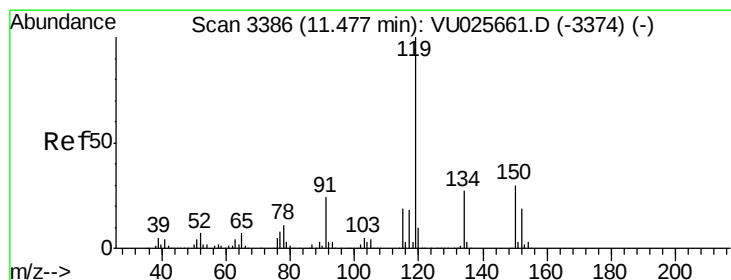
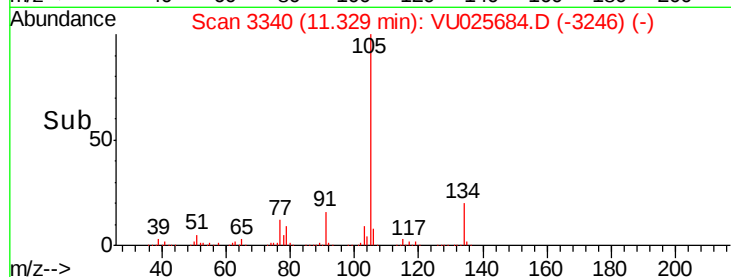
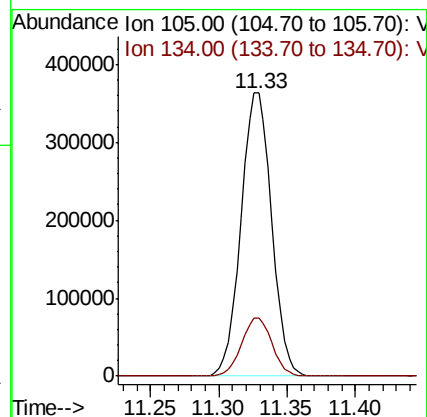
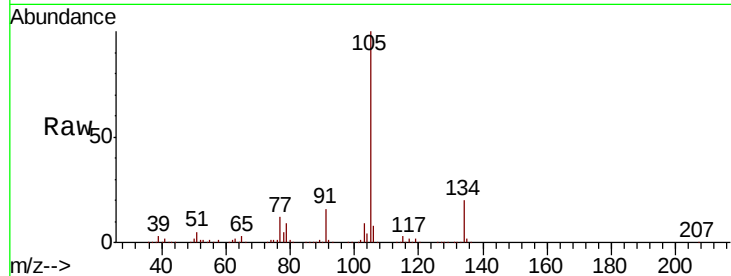
134 20.4 10.3 30.8

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7/31/2018 3:49:47 PM



#86

p-Isopropyltoluene

Concen: 52.22 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

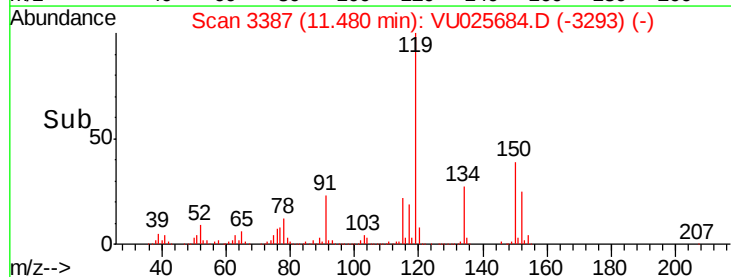
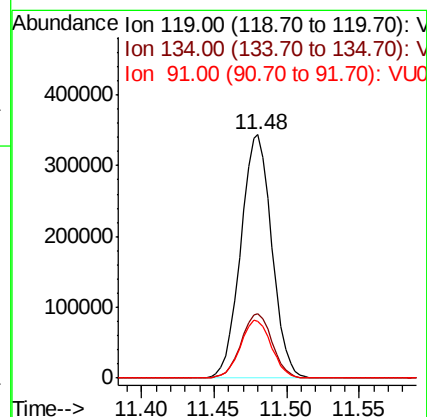
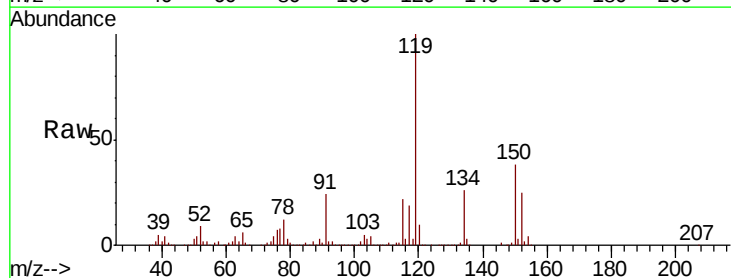
Tgt Ion:119 Resp: 510724

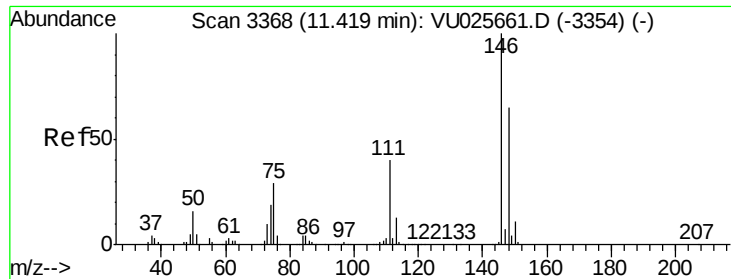
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 23.9 12.0 36.1





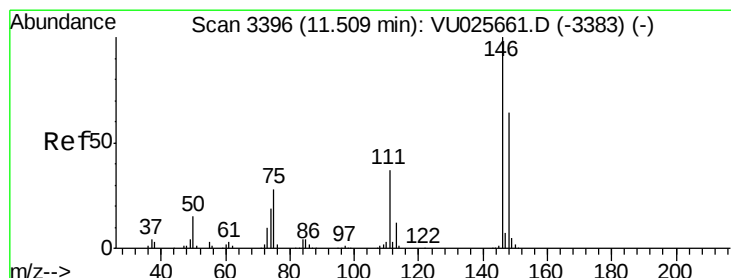
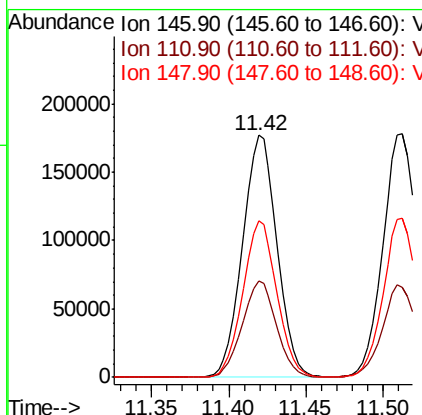
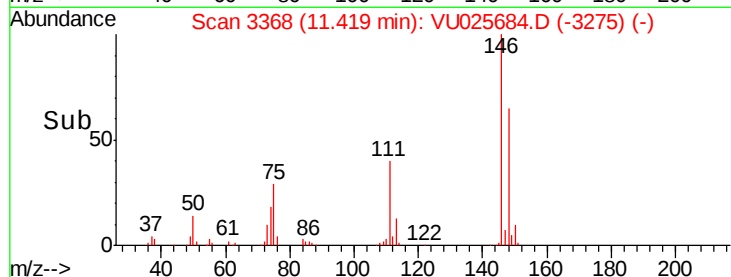
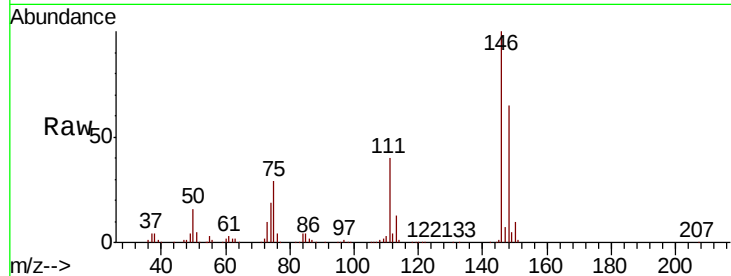
#87
 1,3-Dichlorobenzene
 Concen: 50.62 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	63.8	32.1	96.3

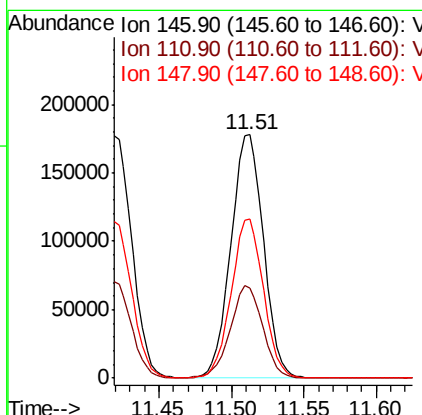
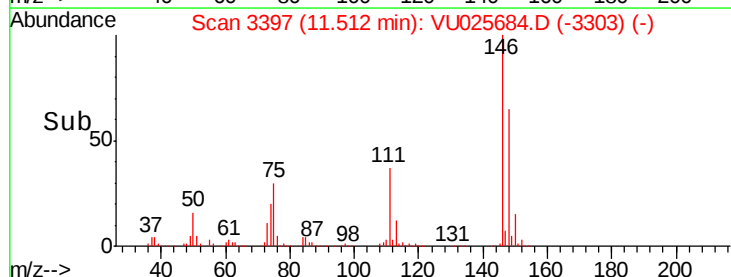
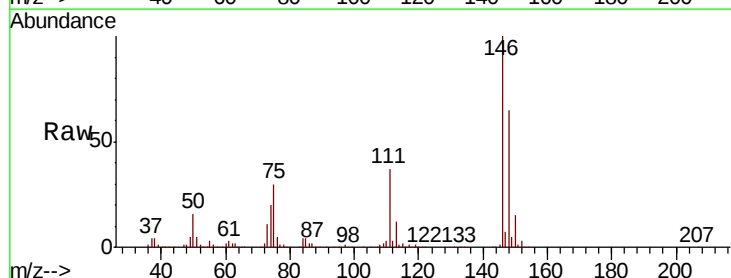
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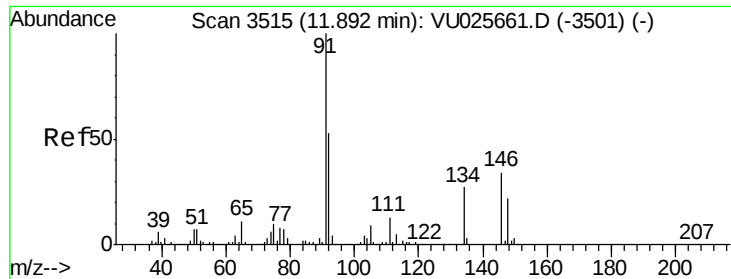
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 7/31/2018 3:49:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.92 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.1
148	64.5	31.7	95.1





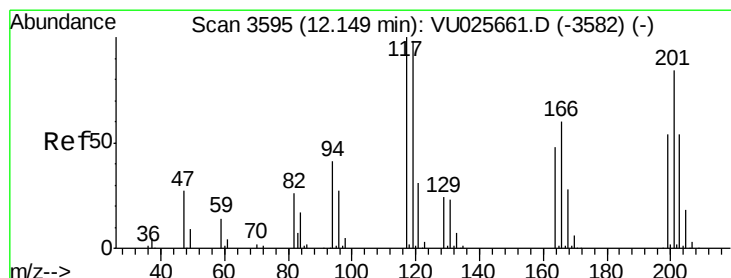
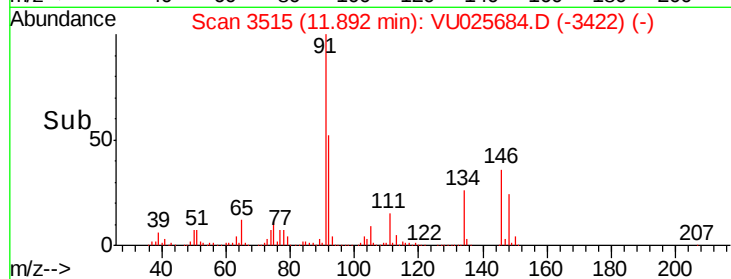
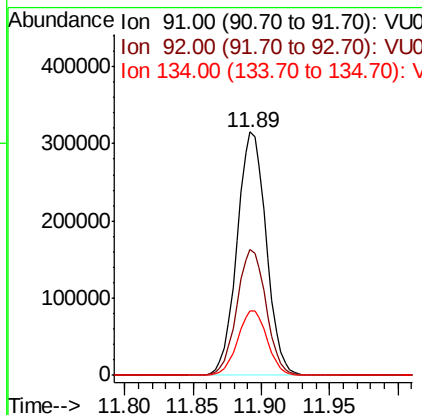
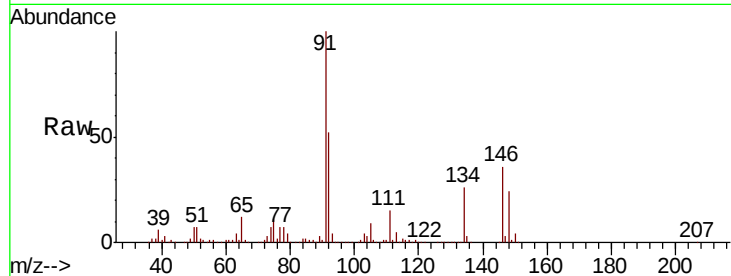
#89
n-Butylbenzene
Concen: 51.86 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.5	79.5
134	26.7	13.6	40.7

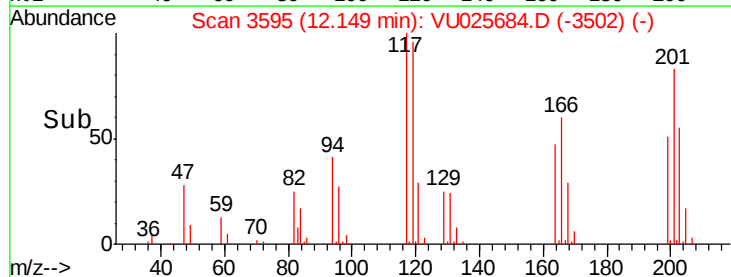
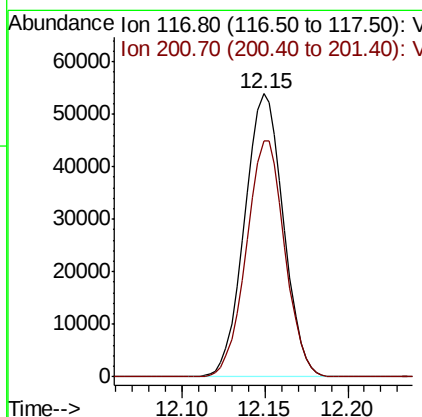
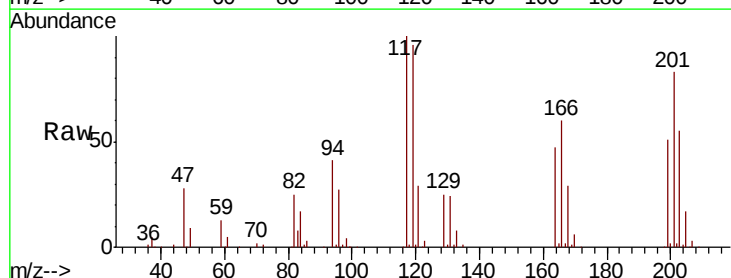
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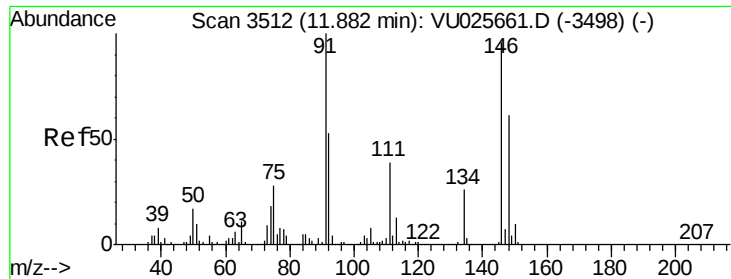
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#90
Hexachloroethane
Concen: 50.43 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	42.5	127.6





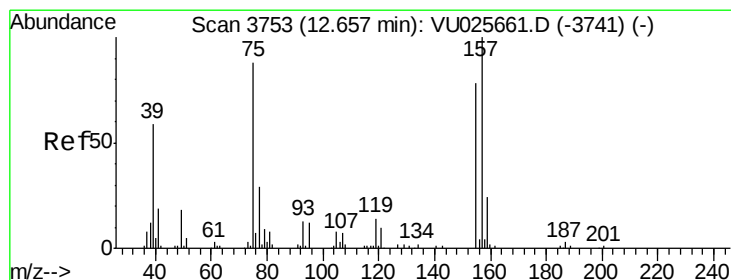
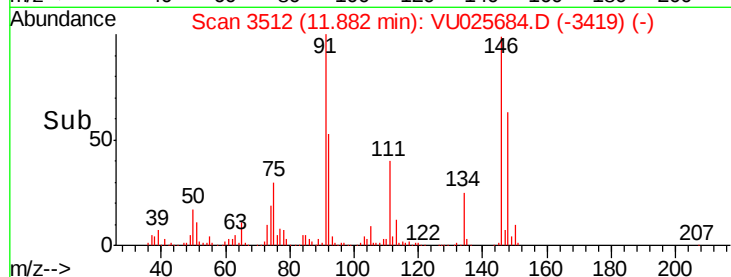
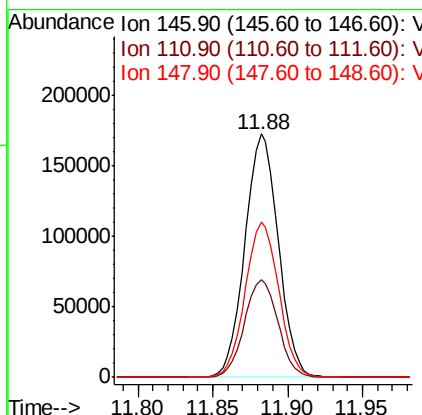
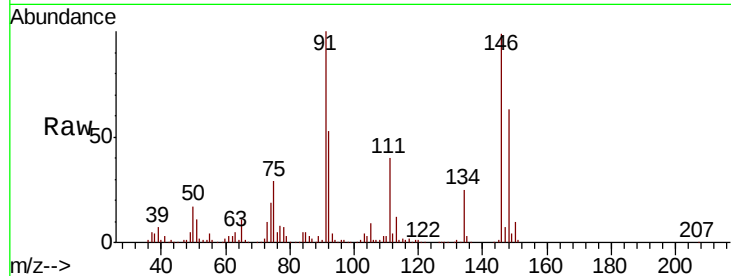
#91
 1,2-Dichlorobenzene
 Concen: 50.52 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	64.4	31.5	94.5

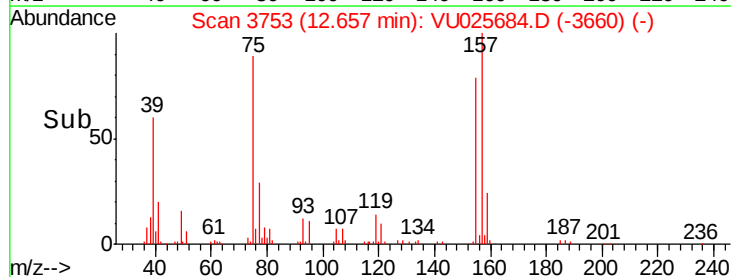
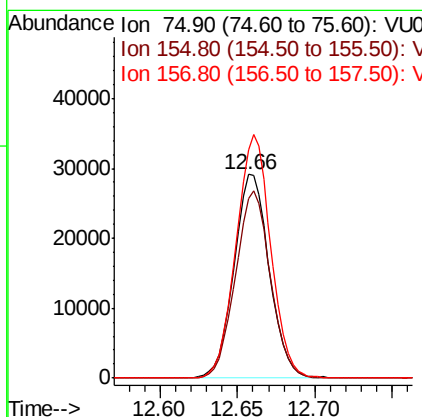
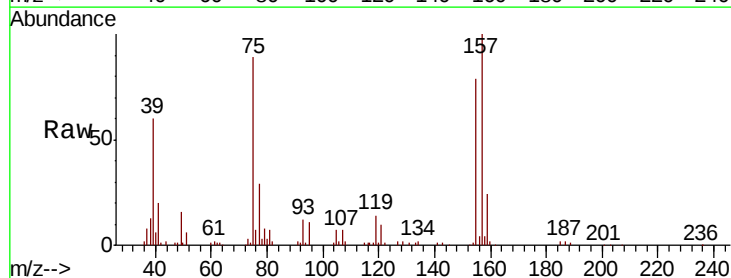
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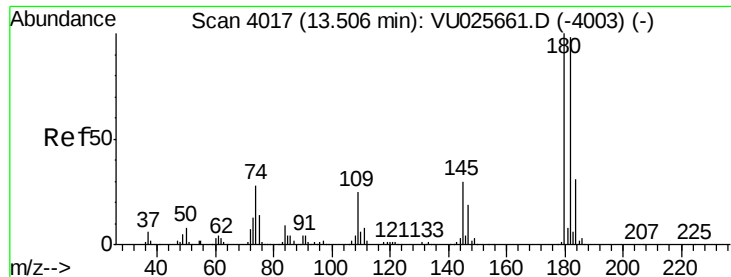
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.01 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	44.5	133.3
157	117.4	57.0	170.8





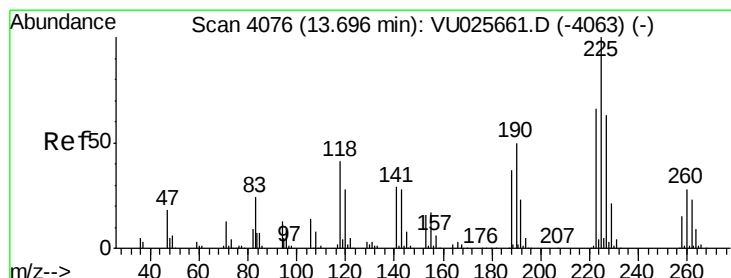
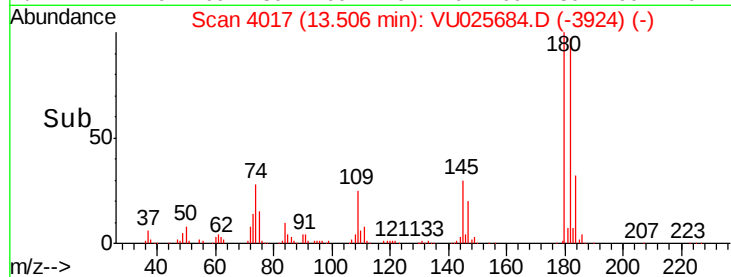
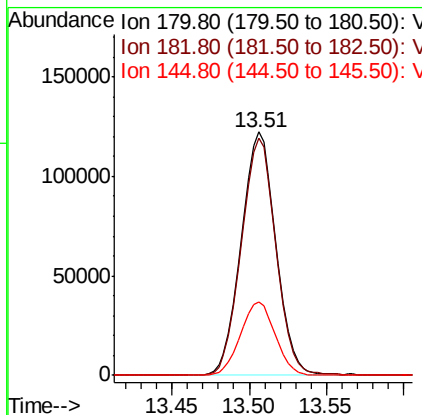
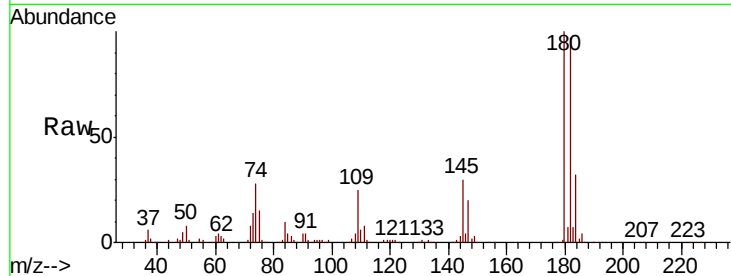
#93
 1,2,4-Trichlorobenzene
 Concen: 53.14 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190830		
182	97.2	47.3	141.9	
145	30.2	14.9	44.7	

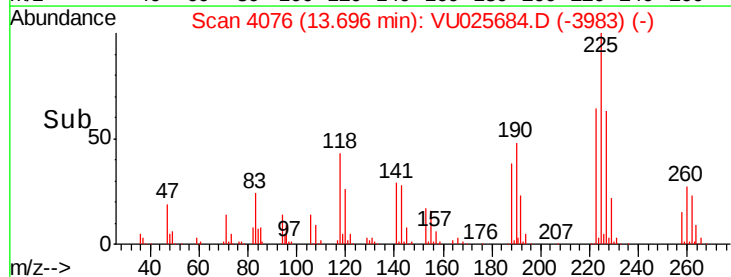
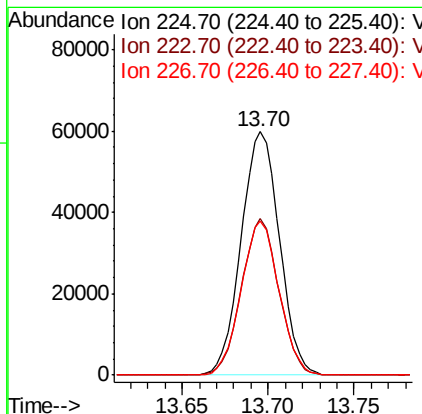
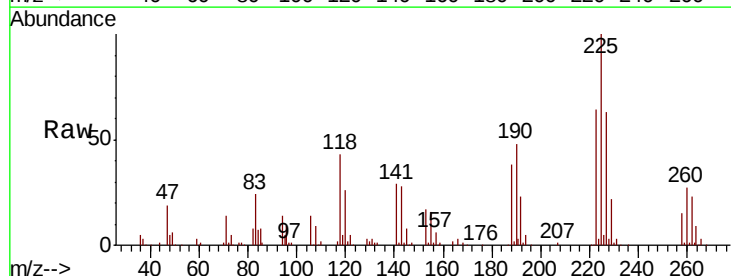
Manual Integrations
 APPROVED

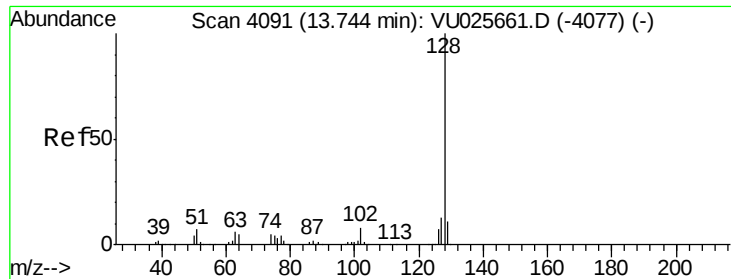
MMDadoda
 7/31/2018 3:49:47 PM



#94
 Hexachlorobutadiene
 Concen: 48.95 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92669		
223	62.6	31.9	95.7	
227	62.5	32.3	96.9	





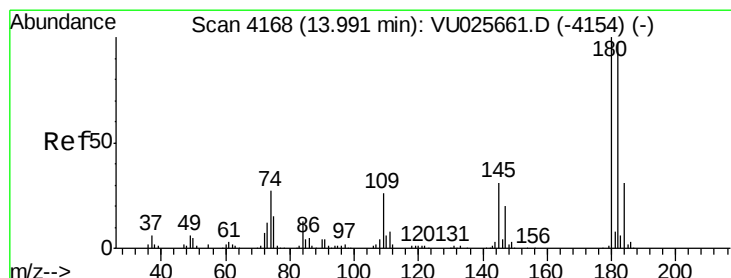
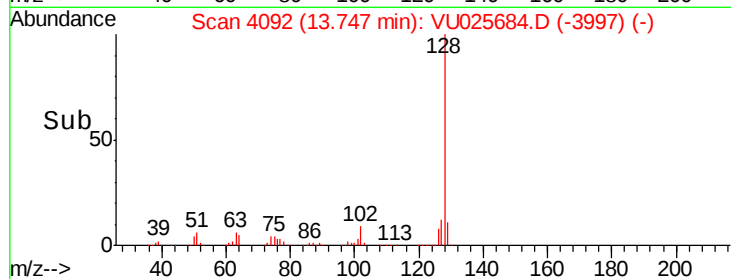
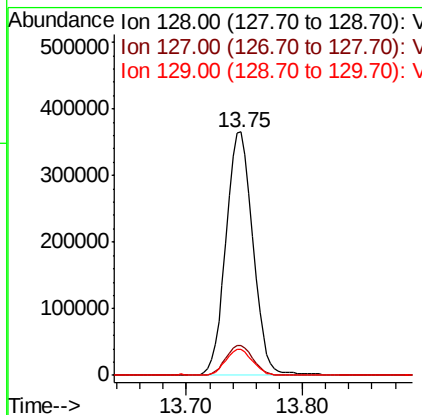
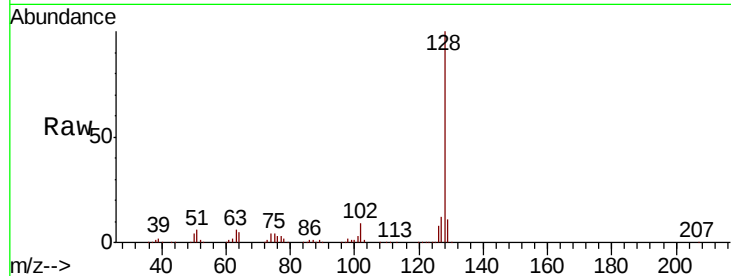
#95
Naphthalene
Concen: 51.00 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:49:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.33 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.8	143.3
145	31.7	15.6	46.8

