

Data File : VU026169.D
Acq On : 16 Aug 2018 00:51
Operator : MD/SY
Sample : MDL07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Aug 16 04:45:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 04:40:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	278436	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	262876	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	110020	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65106	39.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.64%
7) Chloroethane-d5	1.68	69	56122	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.52%
11) 1,1-Dichloroethene-d2	2.27	63	105909	32.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.98%
21) 2-Butanone-d5	4.18	46	125539	100.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.07%
24) Chloroform-d	4.65	84	162047	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.31	65	110942	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.58%
32) Benzene-d6	5.35	84	313335	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.33	67	102492	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.00%
41) Toluene-d8	7.57	98	283369	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.85	79	45667	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.58%
47) 2-Hexanone-d5	8.31	63	89704	98.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.26%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	144659	46.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	112708	49.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4209	1.909 ug/L #	88
3) Chloromethane	1.33	50	5025	2.503 ug/L	93
5) Vinyl chloride	1.40	62	4380	2.185 ug/L #	74
6) Bromomethane	1.62	94	2145	2.077 ug/L	98
8) Chloroethane	1.70	64	2533	2.111 ug/L	89
9) Trichlorofluoromethane	1.88	101	6487	2.192 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4155	2.591 ug/L #	81
12) 1,1-Dichloroethene	2.28	96	3822	2.597 ug/L #	1
13) Acetone	2.32	43	4997	4.352 ug/L	96
14) Carbon disulfide	2.48	76	11196	2.194 ug/L	99
15) Methyl Acetate	2.62	43	4962	2.491 ug/L	92
16) Methylene chloride	2.70	84	4350	2.207 ug/L	95
17) trans-1,2-Dichloroethene	2.99	96	3562	2.041 ug/L	92
18) Methyl tert-butyl Ether	3.00	73	10966	1.979 ug/L #	87
19) 1,1-Dichloroethane	3.45	63	7143	2.126 ug/L	94
22) 2-Butanone	4.27	43	3940	2.755 ug/L	93
23) Bromochloromethane	4.56	128	1988	1.879 ug/L	90

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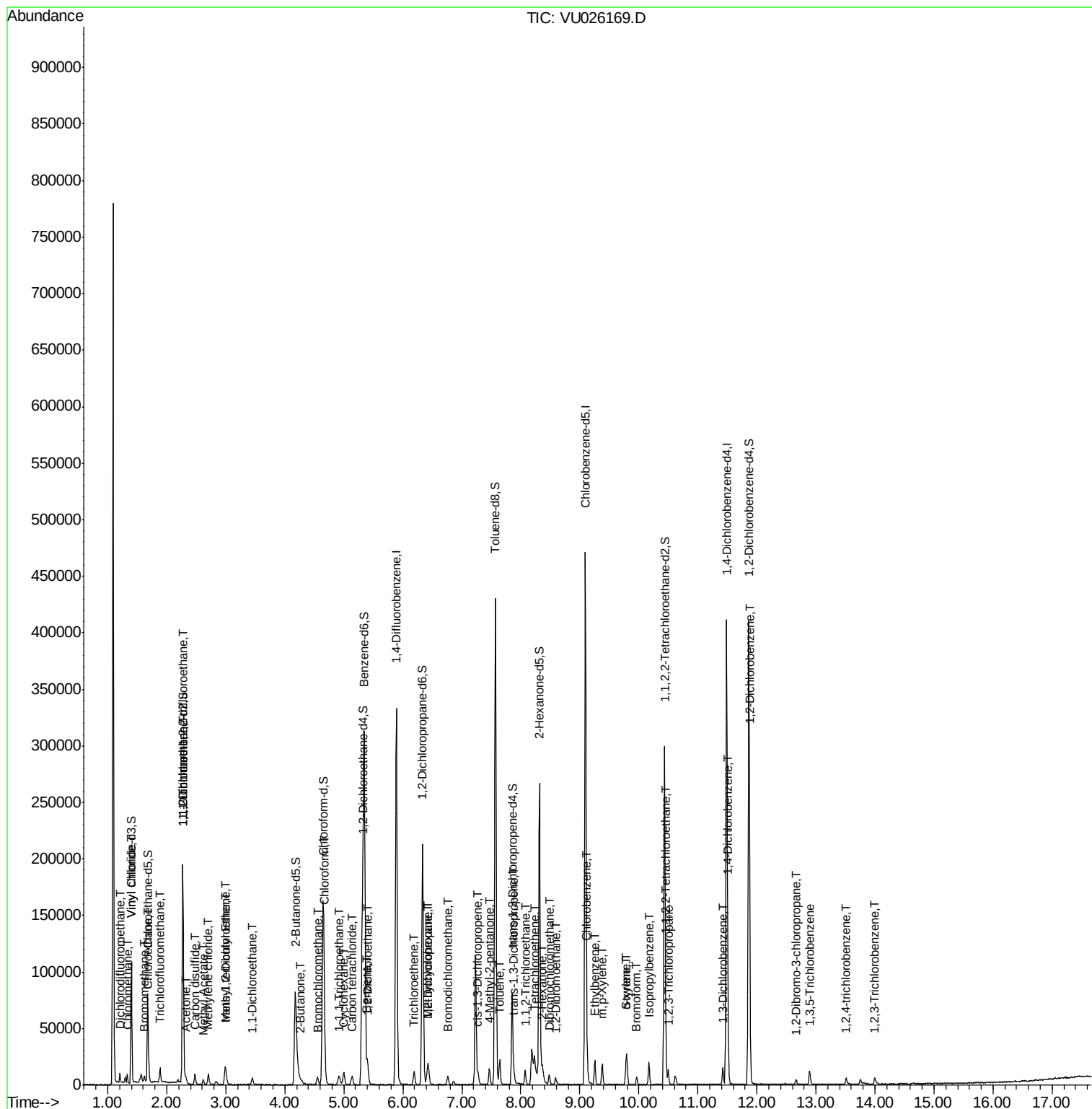
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.67	83	9157	2.596	ug/L	97
27) 1,2-Dichloroethane	5.41	62	6161	2.160	ug/L	99
29) Cyclohexane	5.00	56	5329	2.029	ug/L	96
30) 1,1,1-Trichloroethane	4.92	97	7582	2.414	ug/L	90
31) Carbon tetrachloride	5.14	117	6103	2.145	ug/L	92
33) Benzene	5.39	78	16088	2.260	ug/L	100
34) Trichloroethene	6.19	95	4013	2.164	ug/L	85
35) Methylcyclohexane	6.43	83	5197	1.867	ug/L	98
37) 1,2-Dichloropropane	6.43	63	4262	2.144	ug/L #	90
38) Bromodichloromethane	6.76	83	5734	2.179	ug/L #	83
39) cis-1,3-Dichloropropene	7.27	75	5805	1.967	ug/L	89
40) 4-Methyl-2-pentanone	7.47	43	10631	4.311	ug/L	92
42) Toluene	7.64	91	16088	2.128	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	5352	1.882	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	4034	2.140	ug/L	95
46) Tetrachloroethene	8.23	164	3467	2.168	ug/L	91
48) 2-Hexanone	8.37	43	9499	4.916	ug/L #	98
49) Dibromochloromethane	8.48	129	4595	2.024	ug/L	98
50) 1,2-Dibromoethane	8.59	107	4399	2.248	ug/L #	97
51) Chlorobenzene	9.12	112	10213	1.977	ug/L	95
52) Ethylbenzene	9.26	91	14894	1.809	ug/L	91
53) m,p-Xylene	9.38	106	5731	1.806	ug/L	87
54) o-xylene	9.78	106	4969	1.569	ug/L	96
55) Styrene	9.80	104	7959	1.510	ug/L	92
56) Isopropylbenzene	10.17	105	12957	1.594	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	7240	2.300	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	5297	2.163	ug/L	100
61) Bromoform	9.96	173	3385	2.353	ug/L #	96
62) 1,3-Dichlorobenzene	11.42	146	7154	2.170	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	7318	2.152	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	7930	2.251	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	1259	2.254	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.90	180	4548	1.868	ug/L	94
68) 1,2,4-trichlorobenzene	13.51	180	2314	1.254	ug/L	93
70) 1,2,3-Trichlorobenzene	13.99	180	2587	1.308	ug/L	97

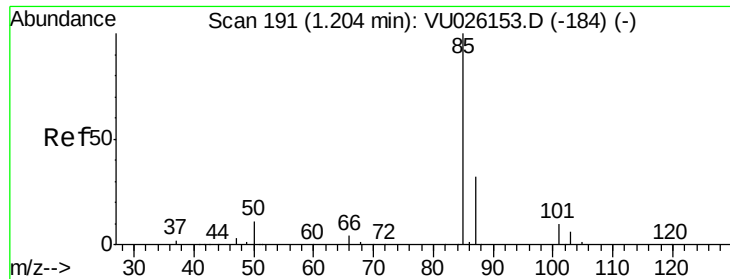
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.909 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

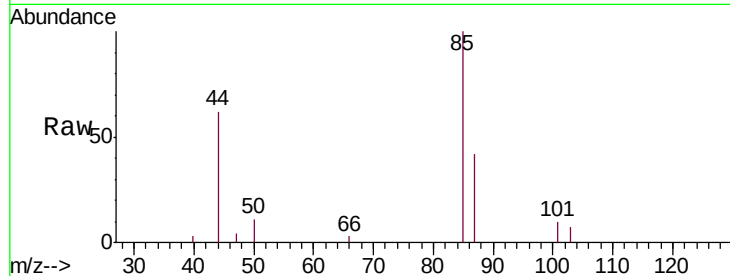
MDL07

Tgt Ion: 85 Resp: 4209

Ion Ratio Lower Upper

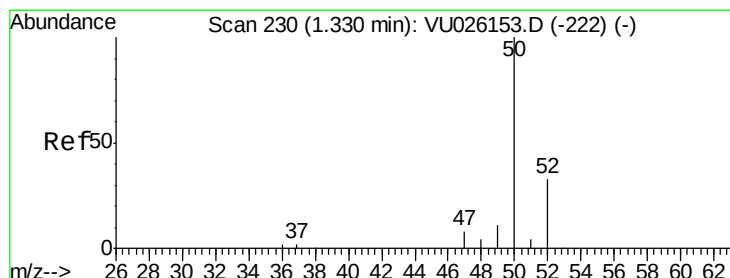
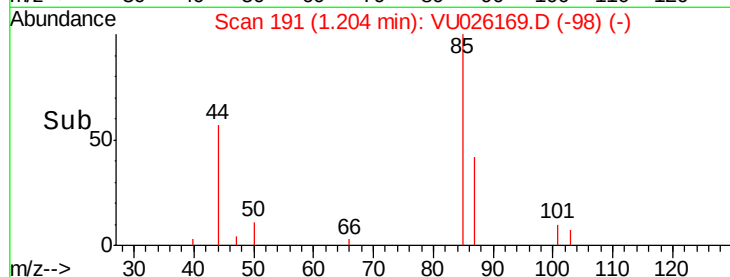
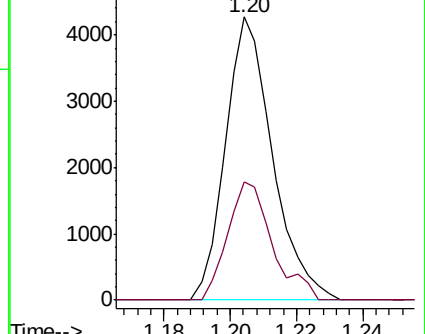
85 100

87 39.4 26.1 39.1#



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 2.503 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026169.D

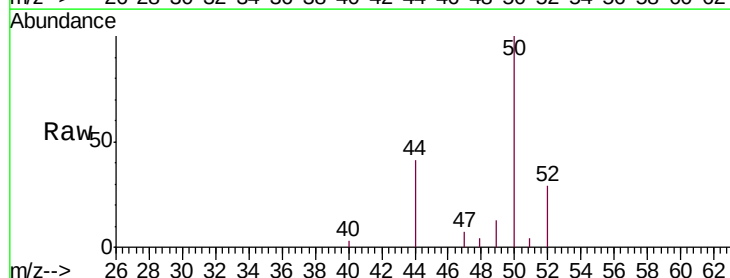
Acq: 16 Aug 2018 00:51

Tgt Ion: 50 Resp: 5025

Ion Ratio Lower Upper

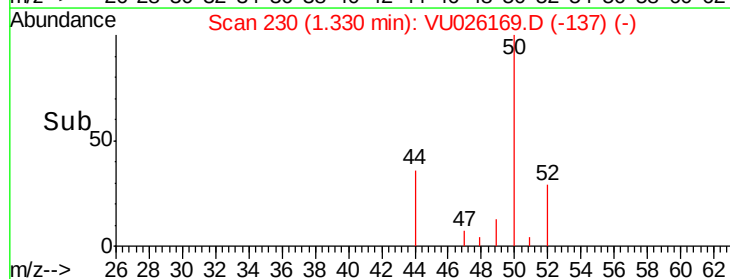
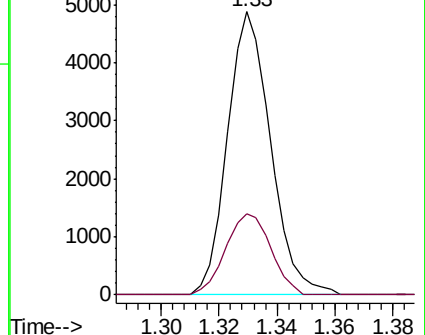
50 100

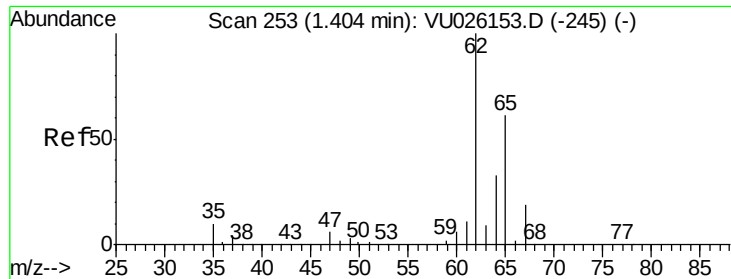
52 28.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.185 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

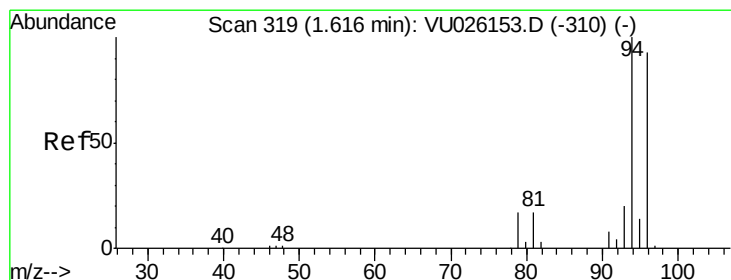
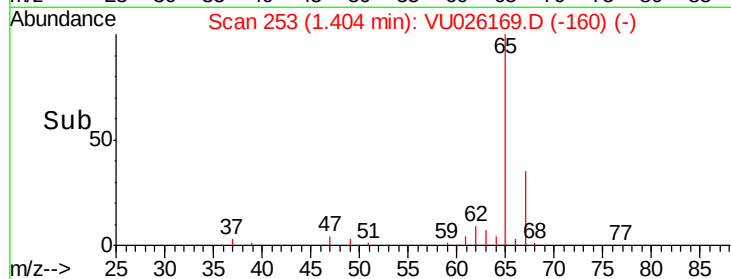
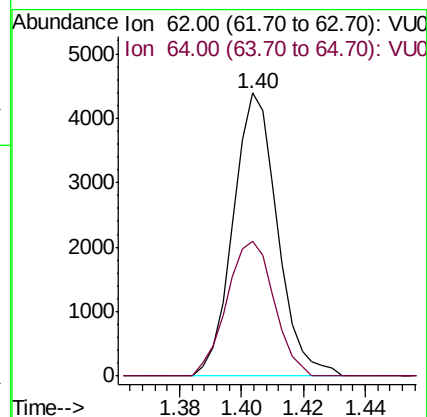
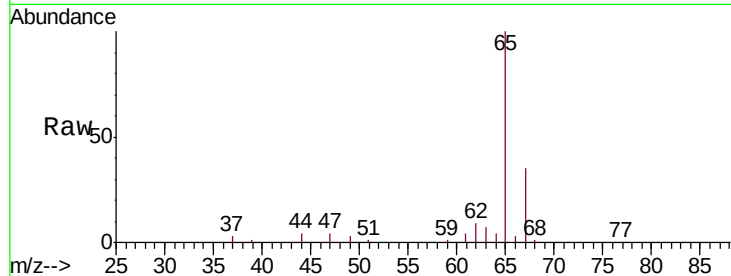
MDL07

Tgt Ion: 62 Resp: 4380

Ion Ratio Lower Upper

62 100

64 47.7 23.0 42.8#



#6

Bromomethane

Concen: 2.077 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU026169.D

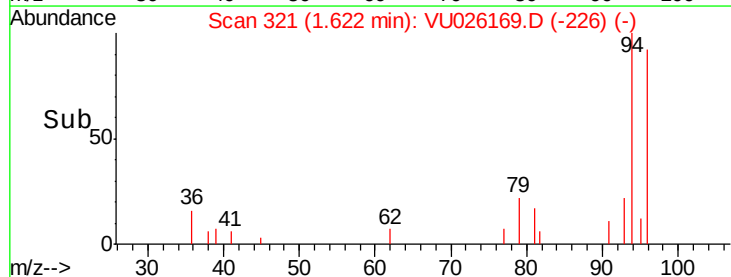
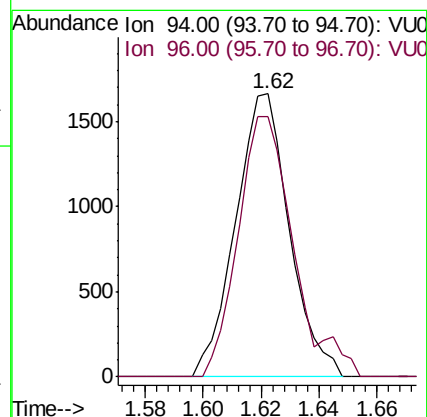
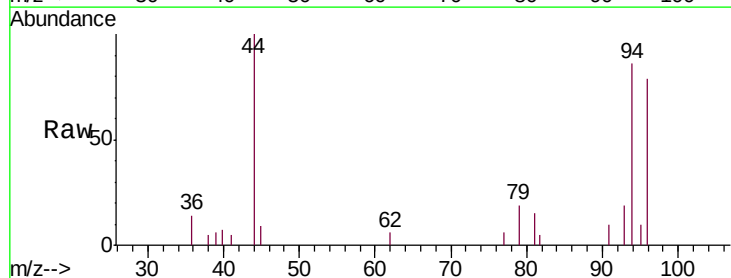
Acq: 16 Aug 2018 00:51

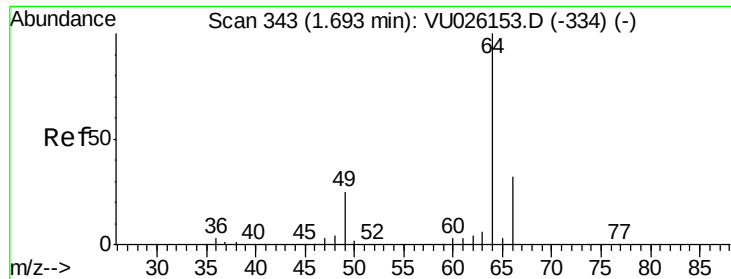
Tgt Ion: 94 Resp: 2145

Ion Ratio Lower Upper

94 100

96 92.2 65.9 122.5





#8

Chloroethane

Concen: 2.111 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

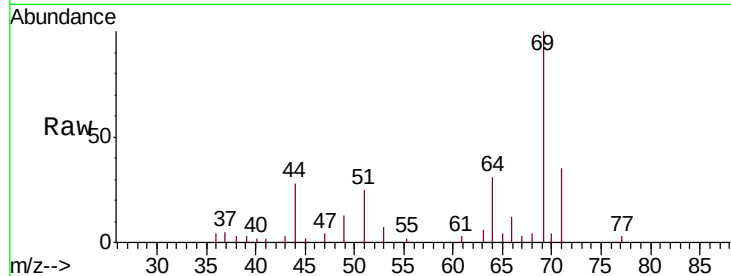
MDL07

Tgt Ion: 64 Resp: 2533

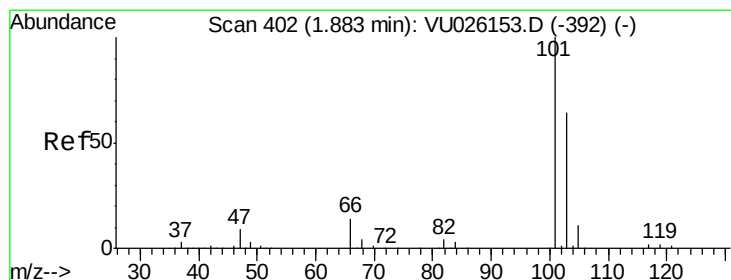
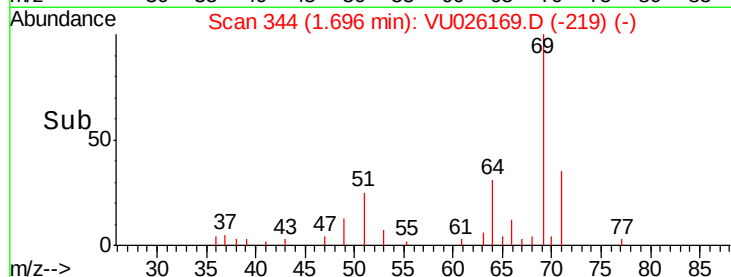
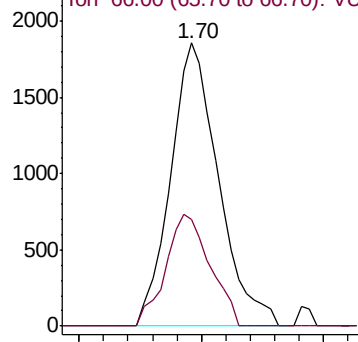
Ion Ratio Lower Upper

64 100

66 37.7 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026169.D (-219) (-)



#9

Trichlorofluoromethane

Concen: 2.192 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026169.D

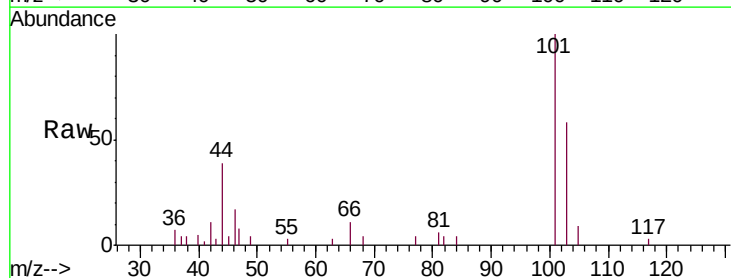
Acq: 16 Aug 2018 00:51

Tgt Ion: 101 Resp: 6487

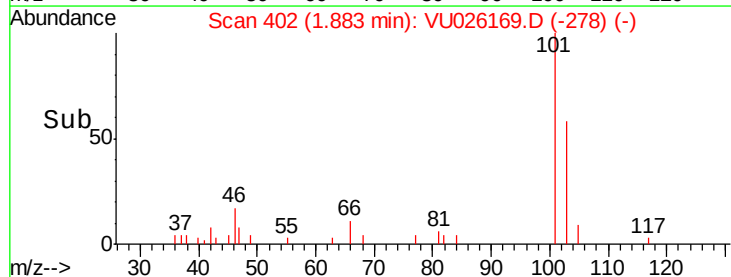
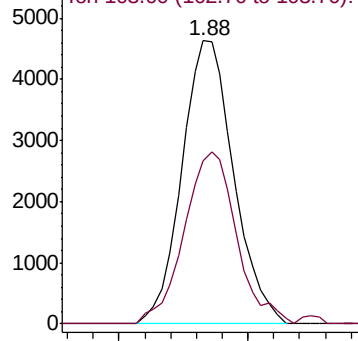
Ion Ratio Lower Upper

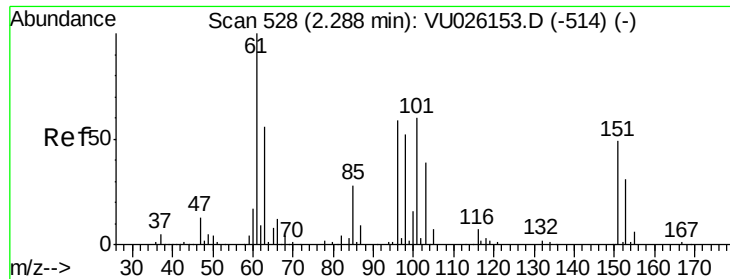
101 100

103 61.5 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU026169.D (-278) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.591 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

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ClientSampled :

MDL07

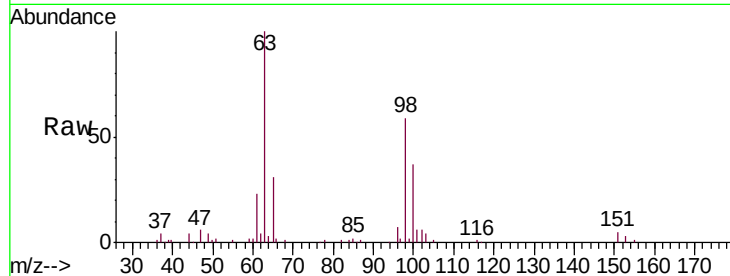
Tgt Ion:101 Resp: 4155

Ion Ratio Lower Upper

101 100

85 21.4 36.6 55.0#

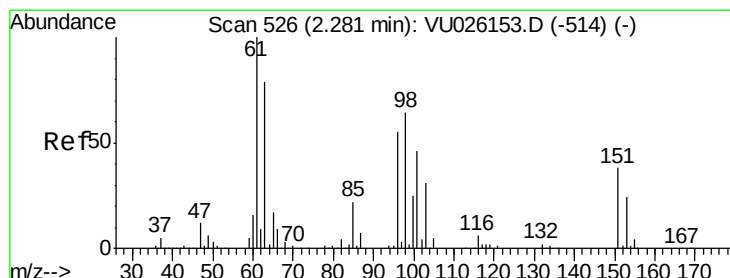
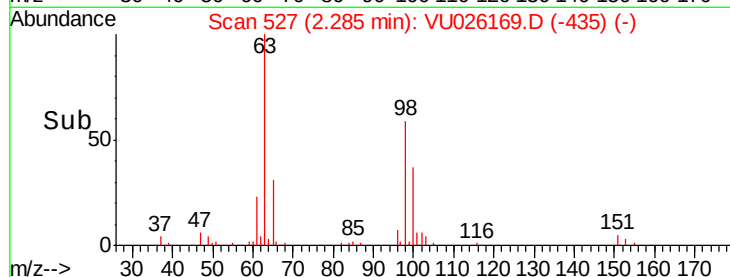
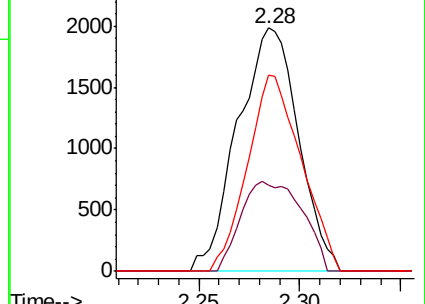
151 71.6 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.597 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

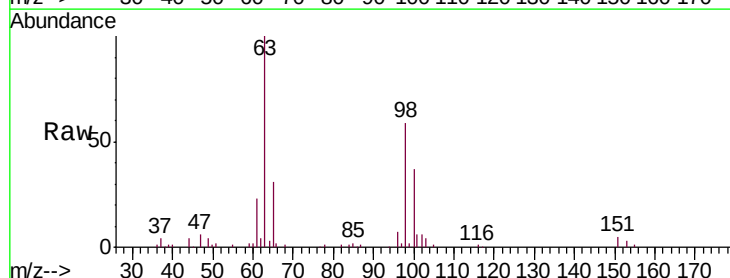
Tgt Ion: 96 Resp: 3822

Ion Ratio Lower Upper

96 100

61 314.6 126.8 235.4#

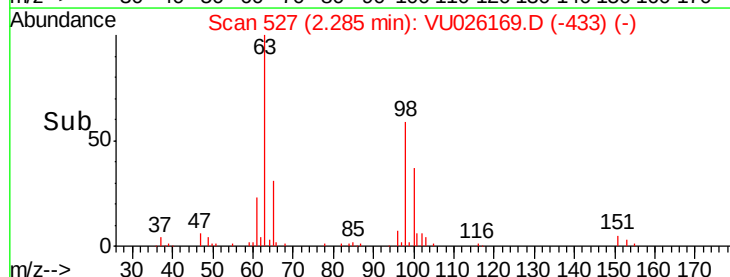
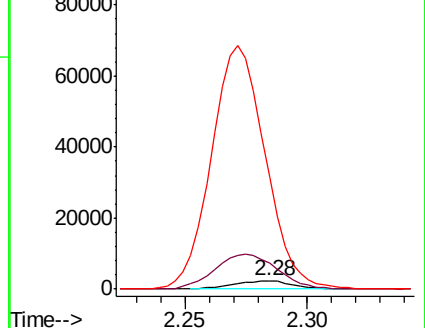
63 1382.6 97.0 180.2#

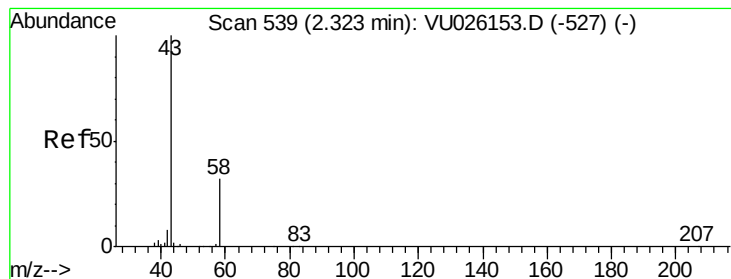


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.352 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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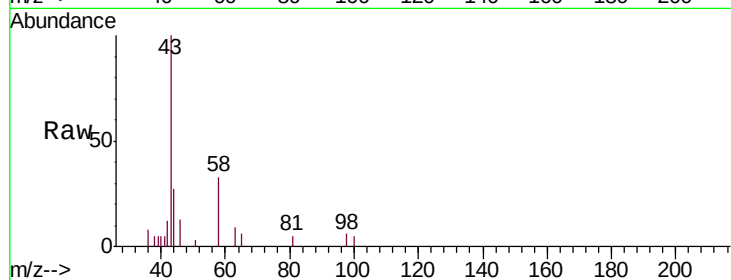
MDL07

Tgt Ion: 43 Resp: 4997

Ion Ratio Lower Upper

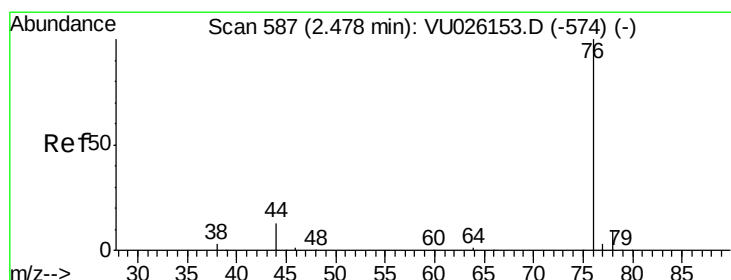
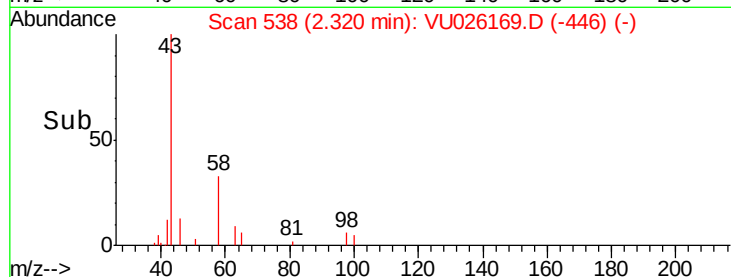
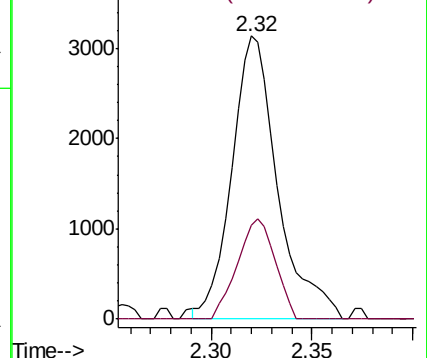
43 100

58 29.1 0.0 62.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.194 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026169.D

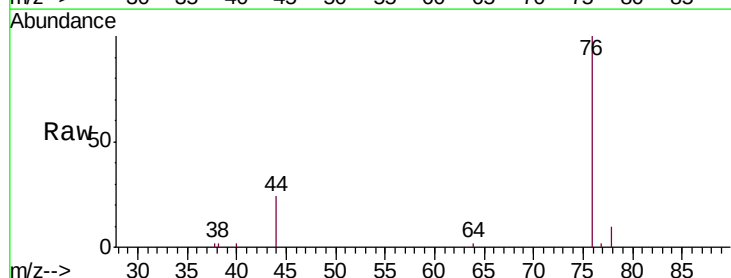
Acq: 16 Aug 2018 00:51

Tgt Ion: 76 Resp: 11196

Ion Ratio Lower Upper

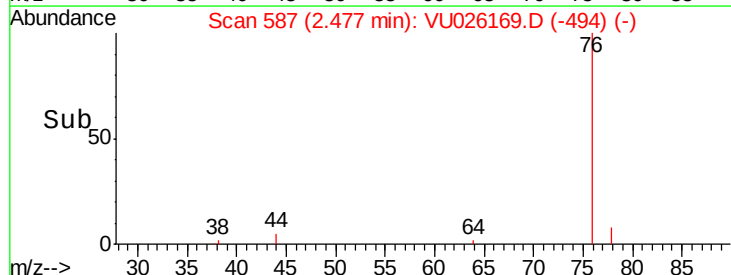
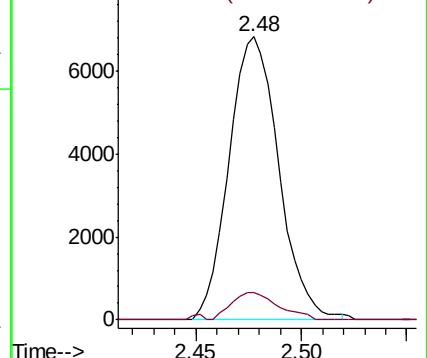
76 100

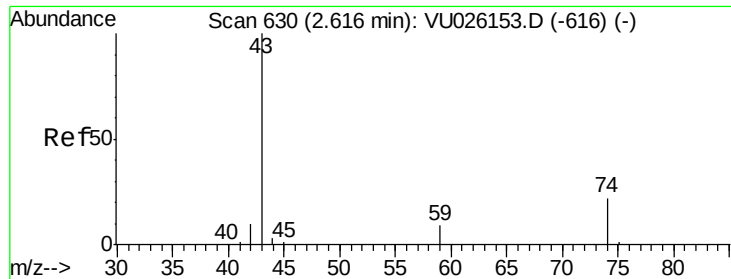
78 9.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

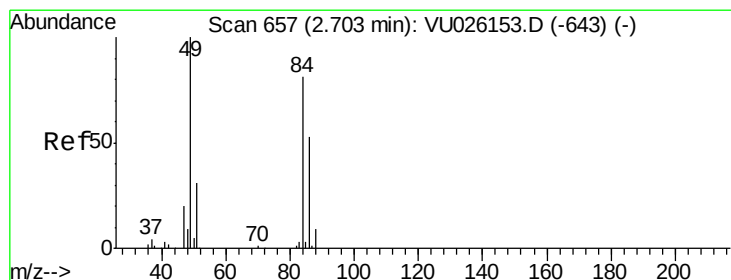
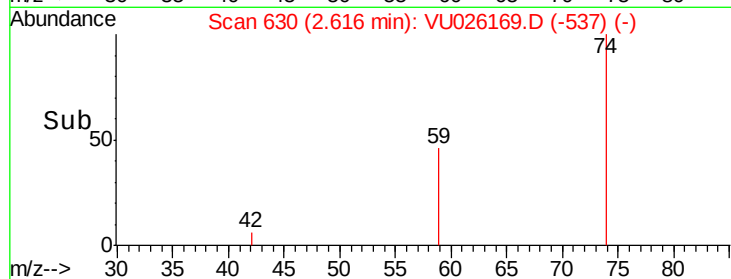
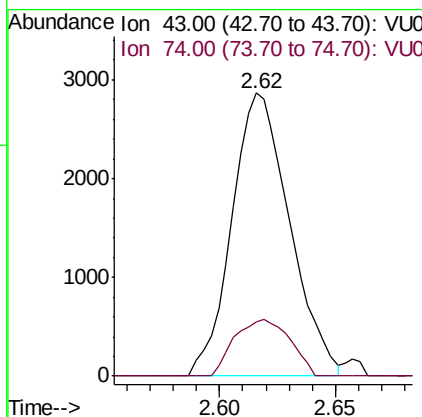
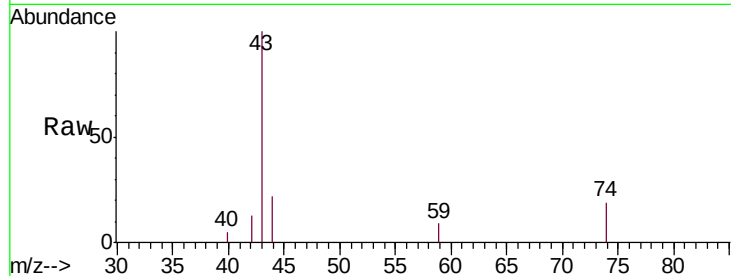




#15
Methyl Acetate
Concen: 2.491 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

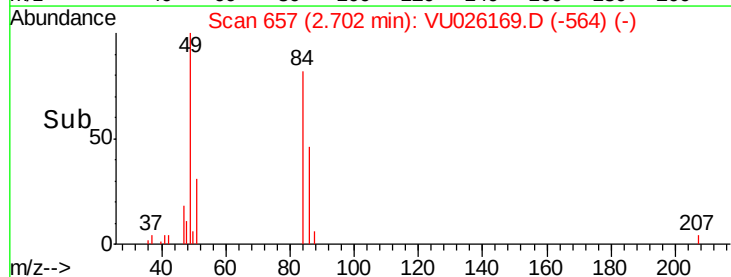
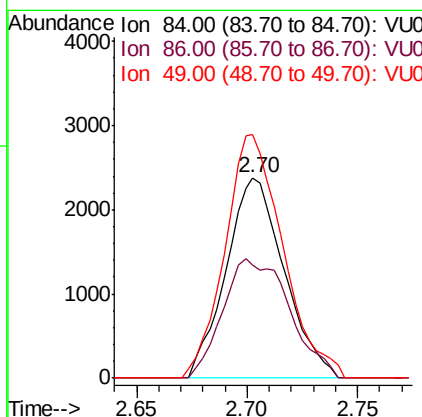
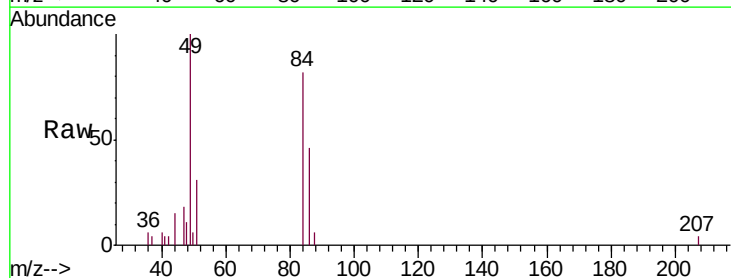
Instrument :
MSVOA_U
ClientSampleId :
MDL07

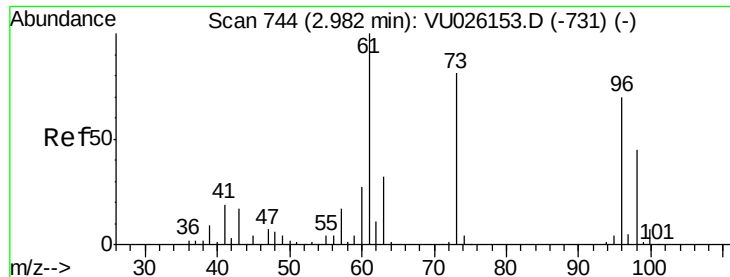
Tgt Ion: 43 Resp: 4962
Ion Ratio Lower Upper
43 100
74 19.3 18.6 28.0



#16
Methylene chloride
Concen: 2.207 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

Tgt Ion: 84 Resp: 4350
Ion Ratio Lower Upper
84 100
86 56.2 44.0 81.6
49 121.5 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 2.041 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

MDL07

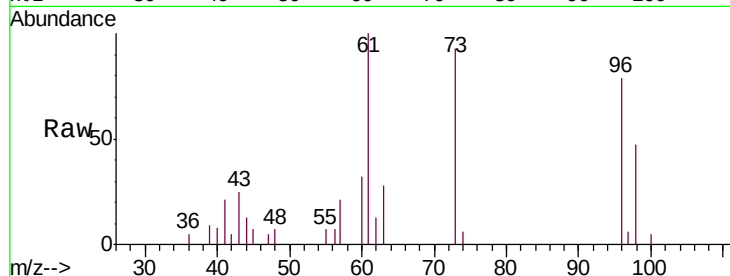
Tgt Ion: 96 Resp: 3562

Ion Ratio Lower Upper

96 100

61 125.8 96.7 179.5

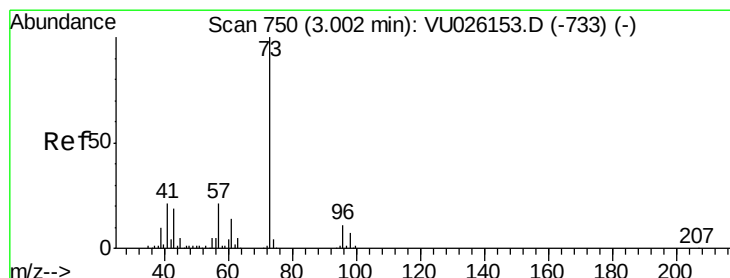
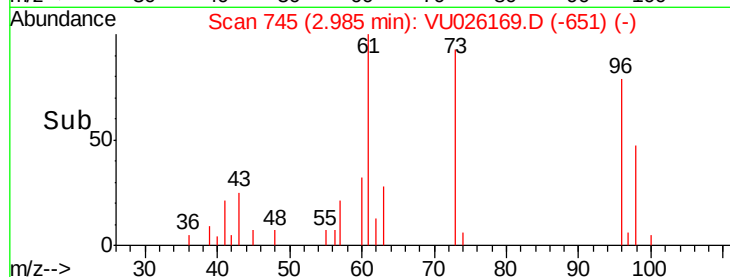
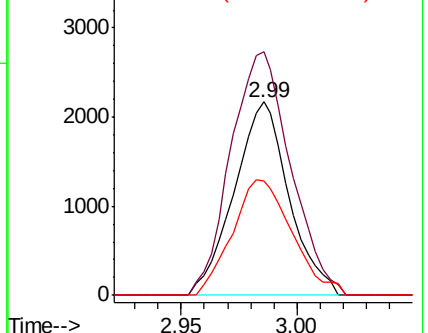
98 59.2 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 1.979 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

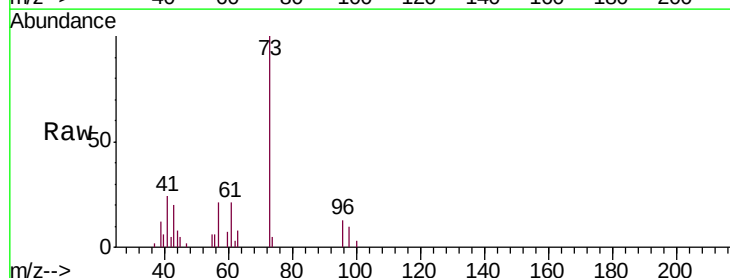
Tgt Ion: 73 Resp: 10966

Ion Ratio Lower Upper

73 100

43 10.2 16.2 24.4#

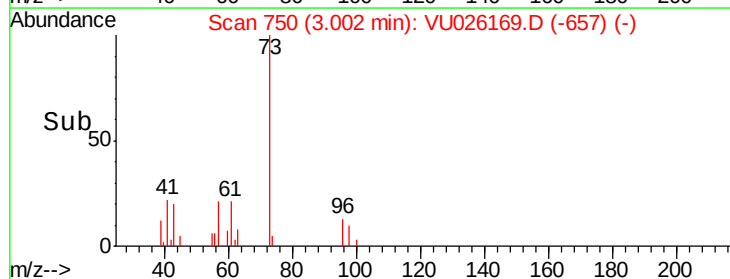
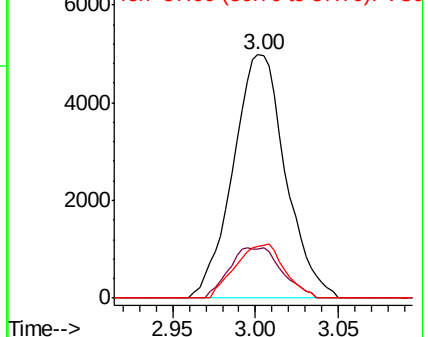
57 20.7 18.2 27.2

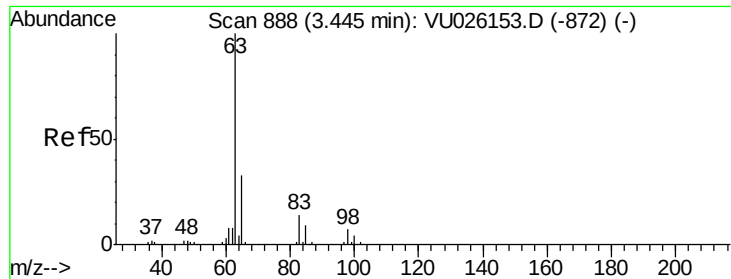


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

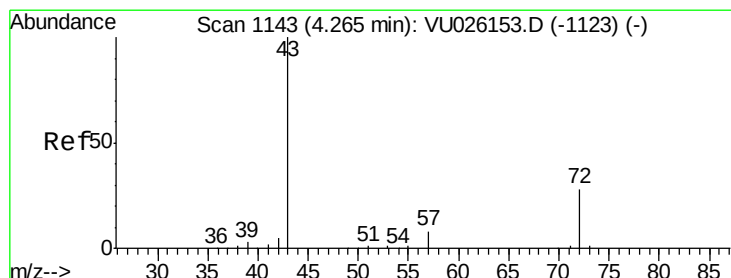
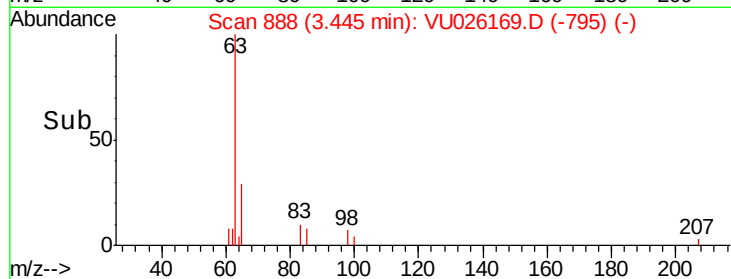
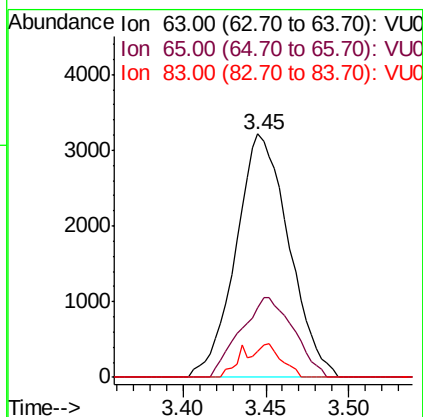
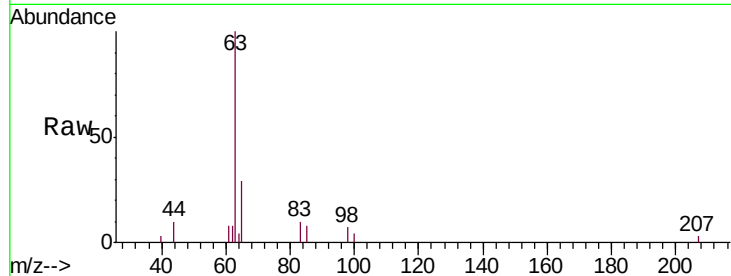




#19
 1,1-Dichloroethane
 Concen: 2.126 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

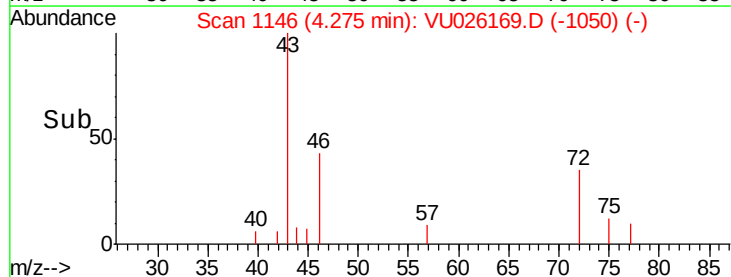
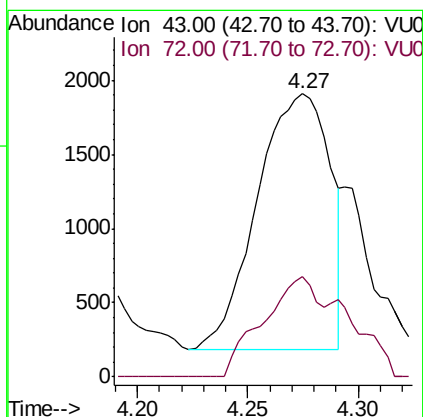
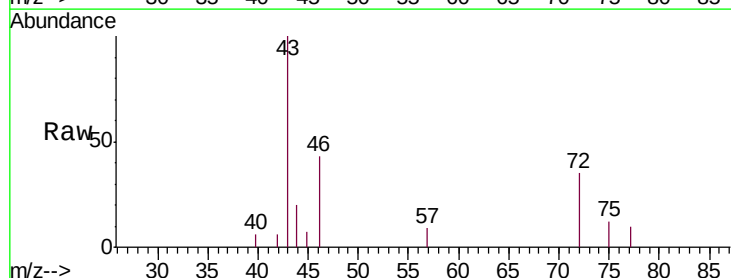
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

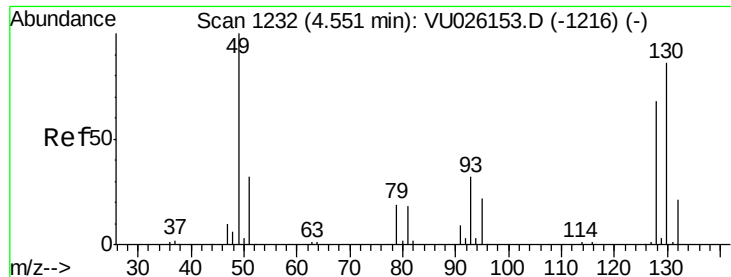
Tgt Ion: 63 Resp: 7143
 Ion Ratio Lower Upper
 63 100
 65 28.5 22.1 41.1
 83 10.5 9.4 17.4



#22
 2-Butanone
 Concen: 2.755 ug/L
 RT: 4.27 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion: 43 Resp: 3940
 Ion Ratio Lower Upper
 43 100
 72 30.4 13.4 40.1

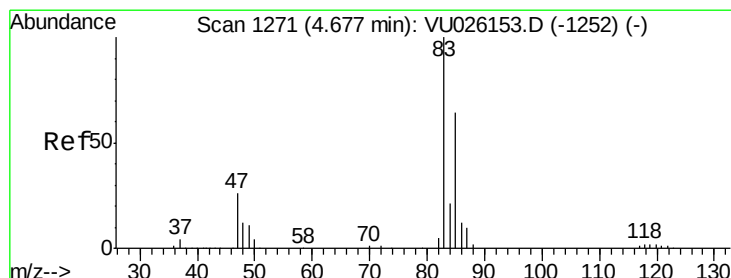
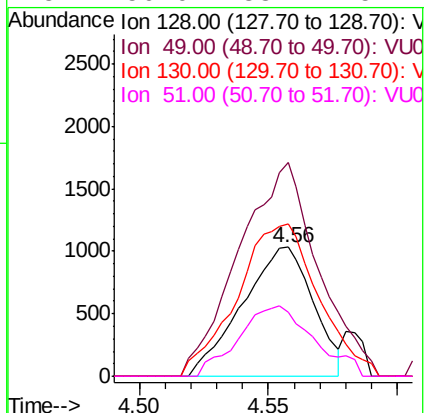
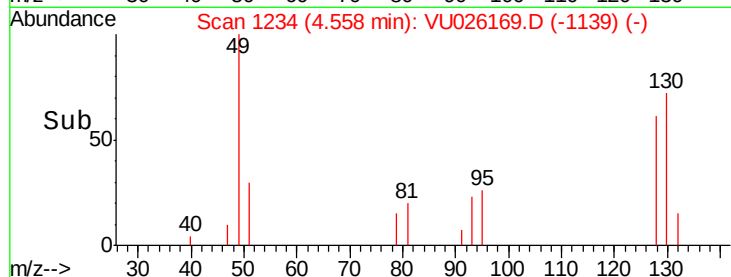
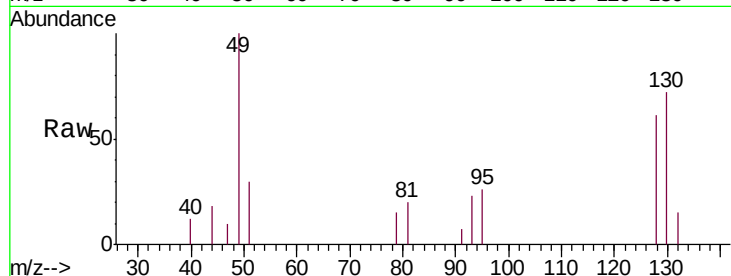




#23
Bromochloromethane
Concen: 1.879 ug/L
RT: 4.56 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

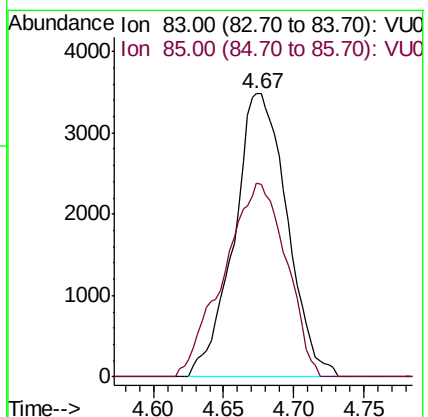
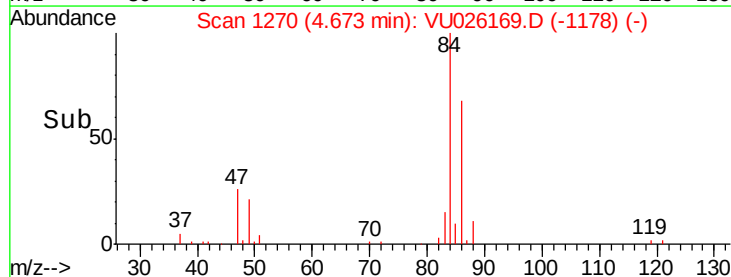
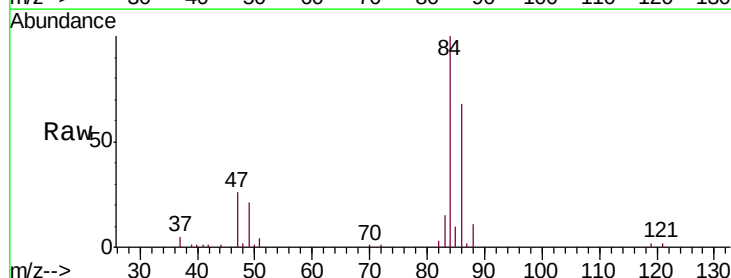
Instrument :
MSVOA_U
ClientSampleId :
MDL07

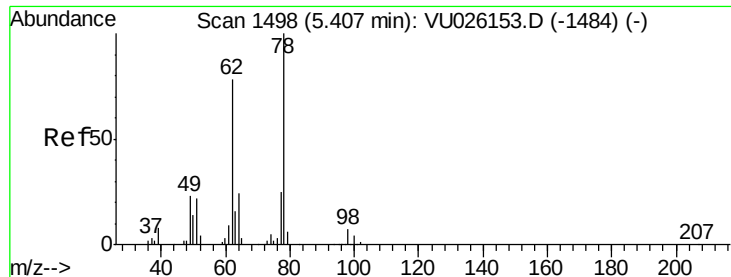
Tgt Ion:128 Resp: 1988
Ion Ratio Lower Upper
128 100
49 165.2 101.3 188.1
130 118.3 86.4 160.4
51 50.0 38.1 57.1



#25
Chloroform
Concen: 2.596 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

Tgt Ion: 83 Resp: 9157
Ion Ratio Lower Upper
83 100
85 68.4 46.3 86.1

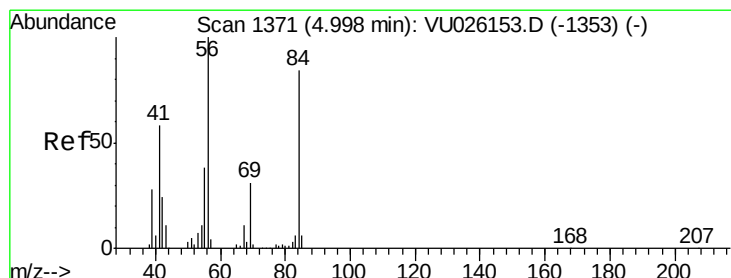
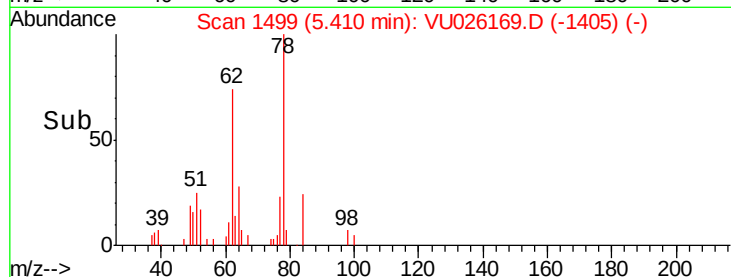
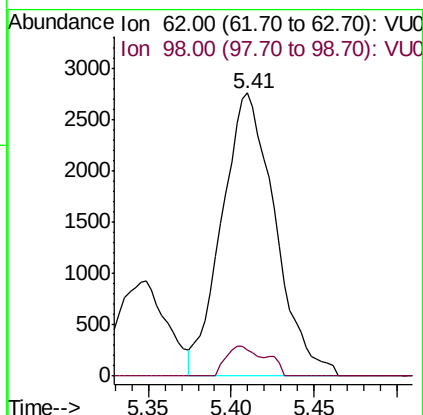
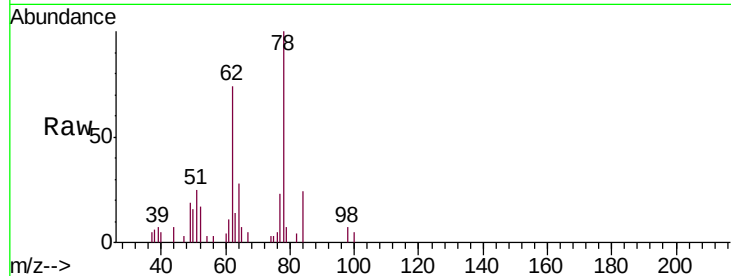




#27
 1,2-Dichloroethane
 Concen: 2.160 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

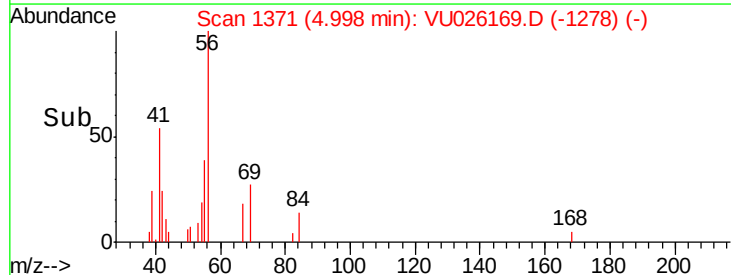
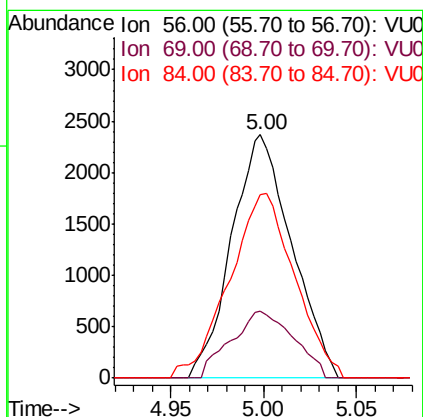
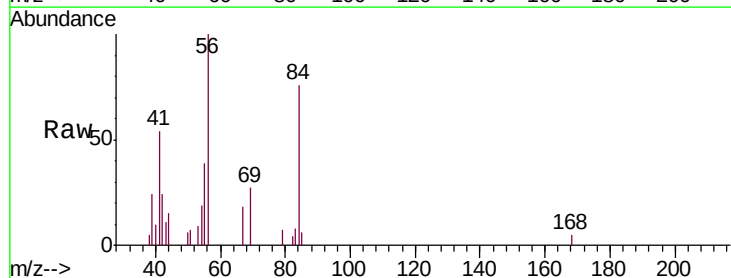
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

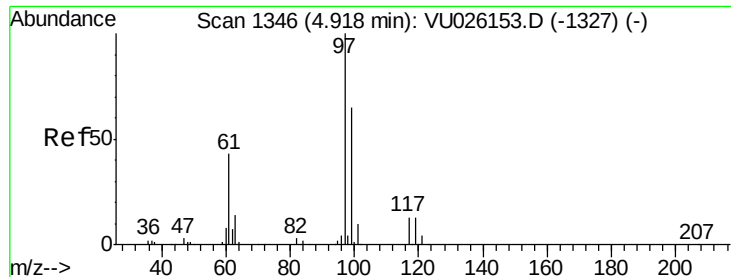
Tgt Ion: 62 Resp: 6161
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.0 10.4



#29
 Cyclohexane
 Concen: 2.029 ug/L
 RT: 5.00 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion: 56 Resp: 5329
 Ion Ratio Lower Upper
 56 100
 69 28.6 24.1 36.1
 84 81.2 68.6 102.8

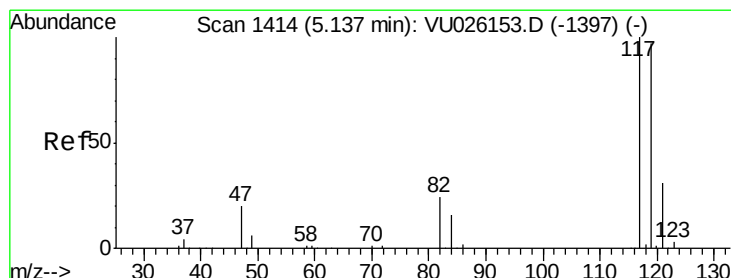
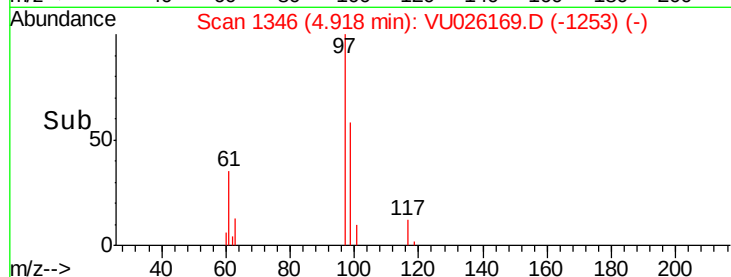
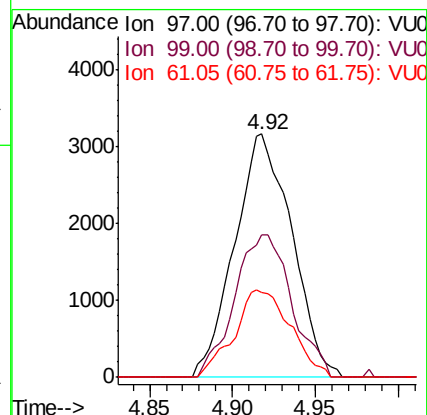
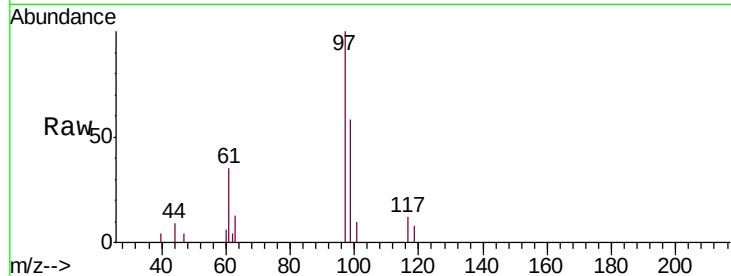




#30
 1,1,1-Trichloroethane
 Concen: 2.414 ug/L
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

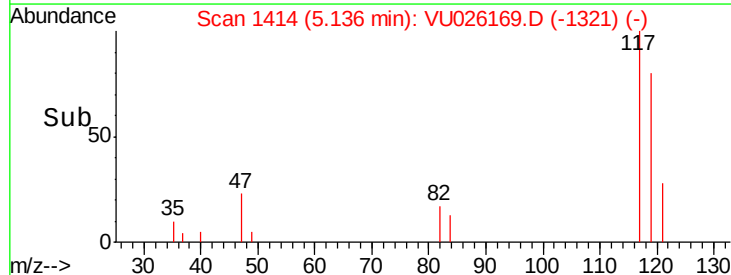
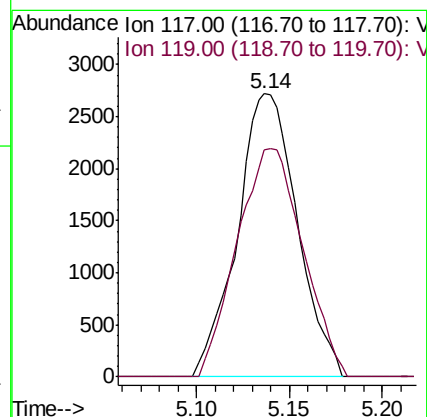
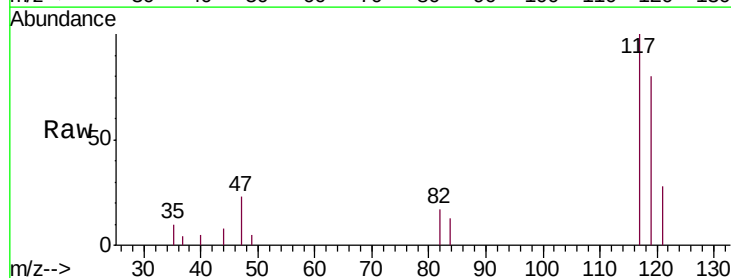
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

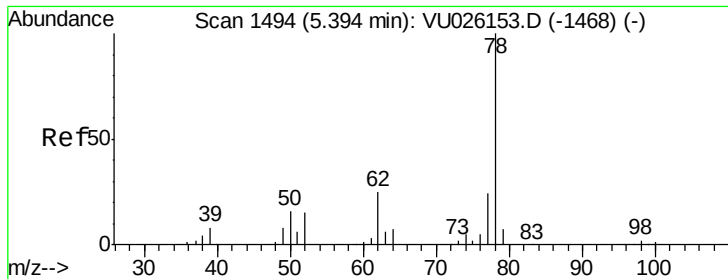
Tgt Ion: 97 Resp: 7582
 Ion Ratio Lower Upper
 97 100
 99 58.7 52.2 78.2
 61 35.4 35.4 53.0



#31
 Carbon tetrachloride
 Concen: 2.145 ug/L
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion: 117 Resp: 6103
 Ion Ratio Lower Upper
 117 100
 119 88.6 77.4 116.2

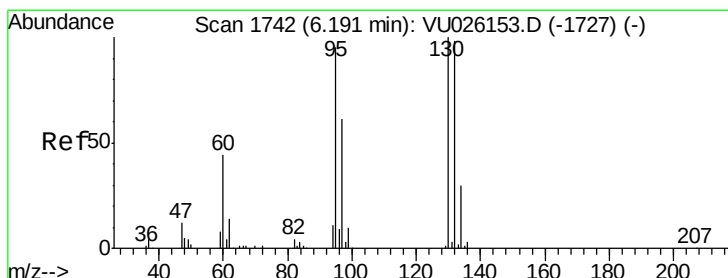
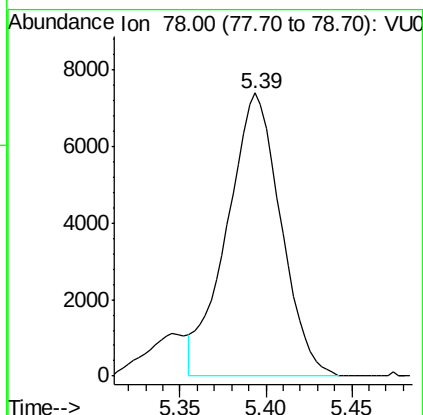
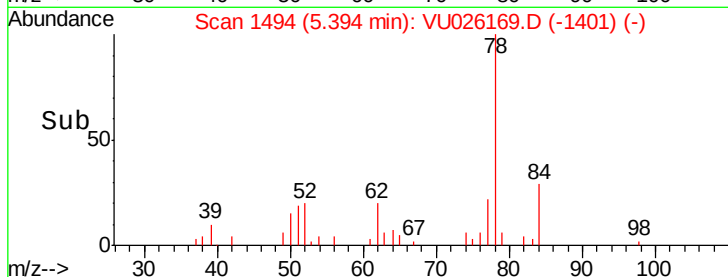
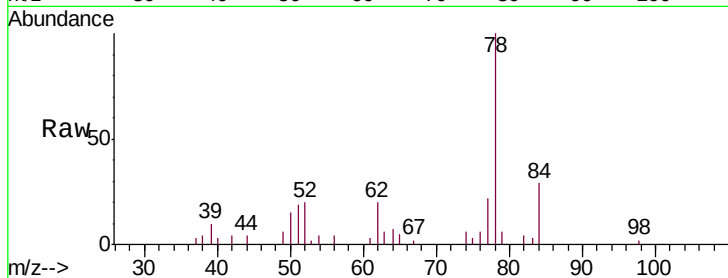




#33
Benzene
Concen: 2.260 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

Instrument :
MSVOA_U
ClientSampleId :
MDL07

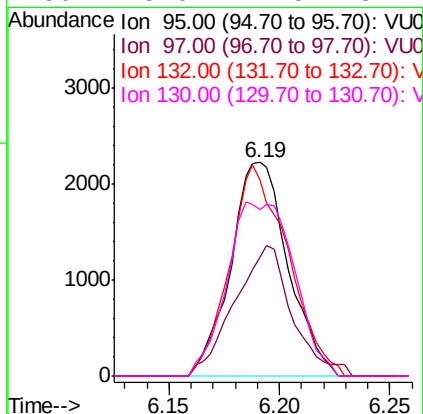
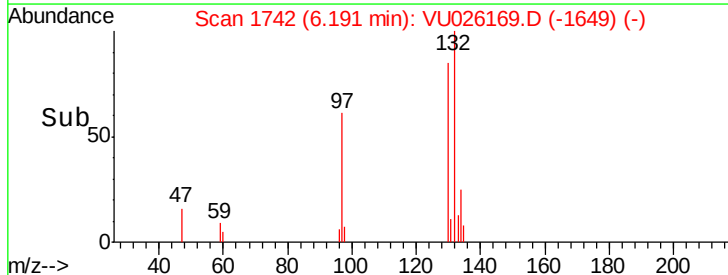
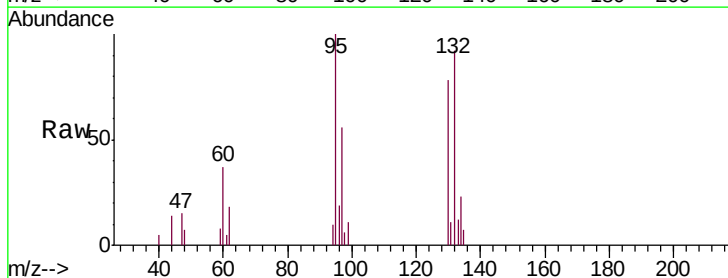
Tgt Ion: 78 Resp: 16088

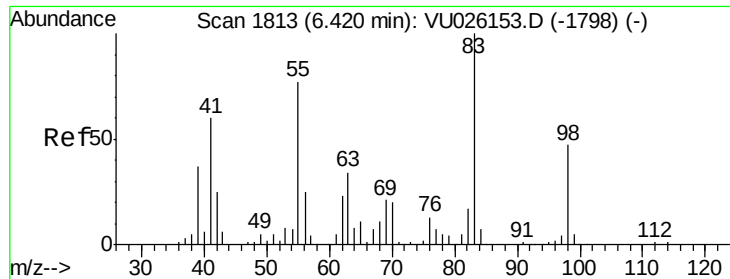


#34
Trichloroethene
Concen: 2.164 ug/L
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

Tgt Ion: 95 Resp: 4013

Ion	Ratio	Lower	Upper
95	100		
97	56.0	45.7	84.9
132	91.6	68.8	127.8
130	78.0	71.5	132.7

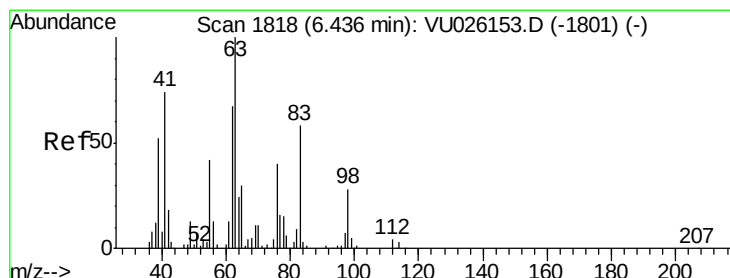
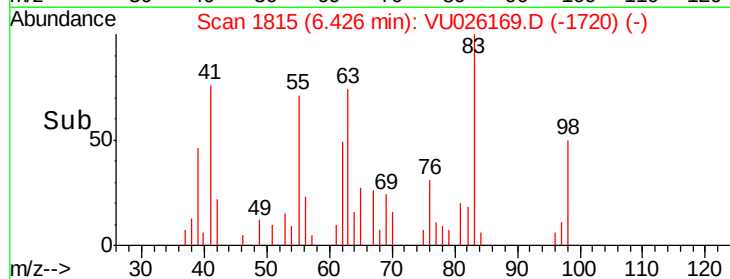
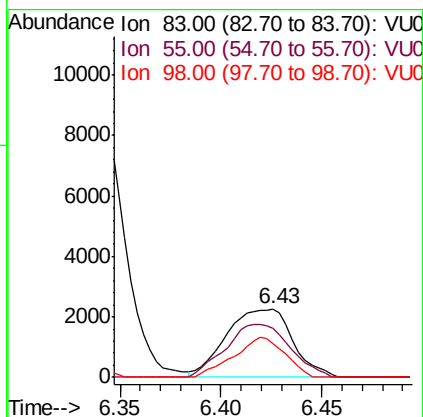
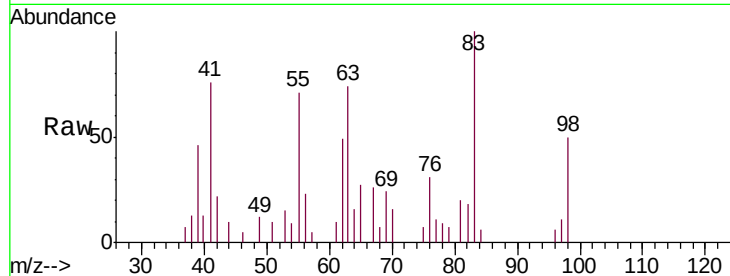




#35
Methylcyclohexane
Concen: 1.867 ug/L
RT: 6.43 min Scan# 1815
Delta R.T. 0.01 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

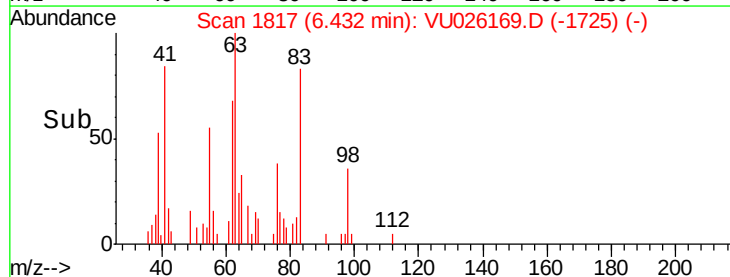
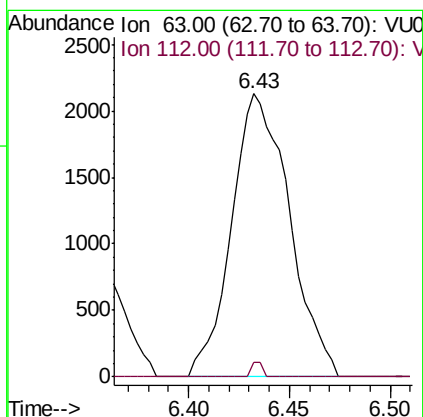
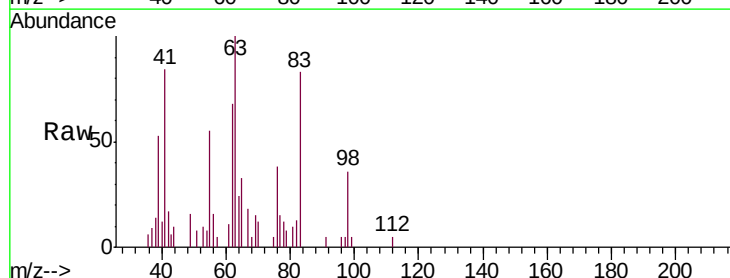
Instrument :
MSVOA_U
ClientSampleId :
MDL07

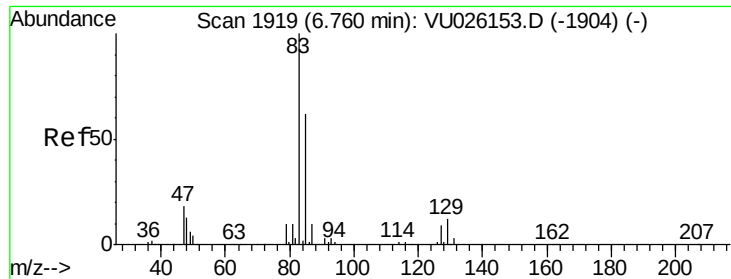
Tgt Ion: 83 Resp: 5197
Ion Ratio Lower Upper
83 100
55 75.4 61.0 91.6
98 45.1 37.6 56.4



#37
1,2-Dichloropropane
Concen: 2.144 ug/L
RT: 6.43 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VU026169.D
Acq: 16 Aug 2018 00:51

Tgt Ion: 63 Resp: 4262
Ion Ratio Lower Upper
63 100
112 1.0 3.5 5.3#

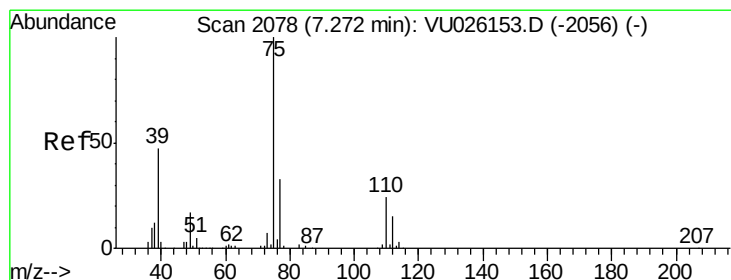
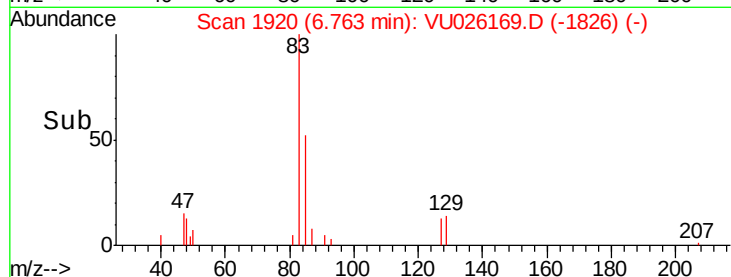
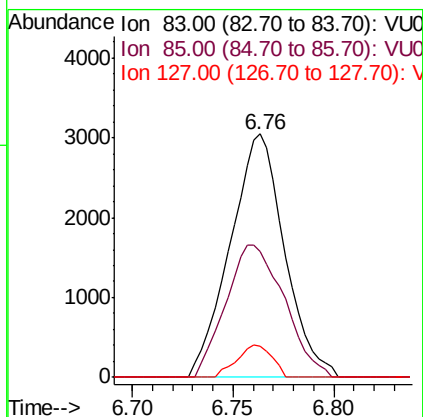
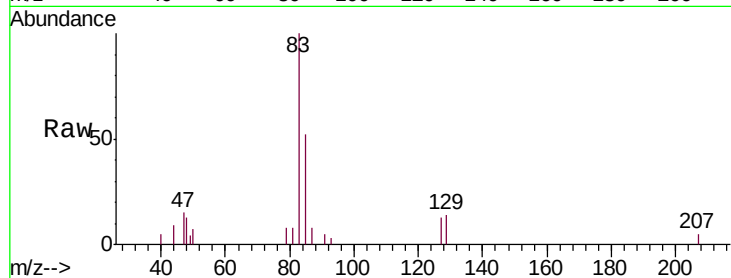




#38
 Bromodichloromethane
 Concen: 2.179 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

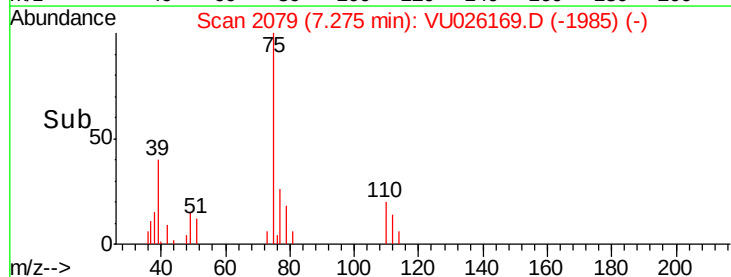
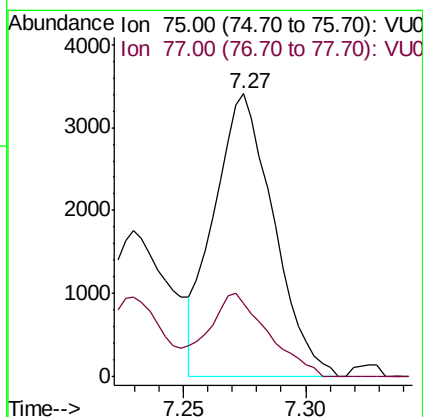
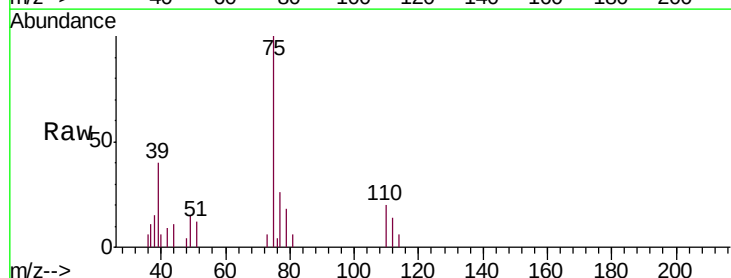
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

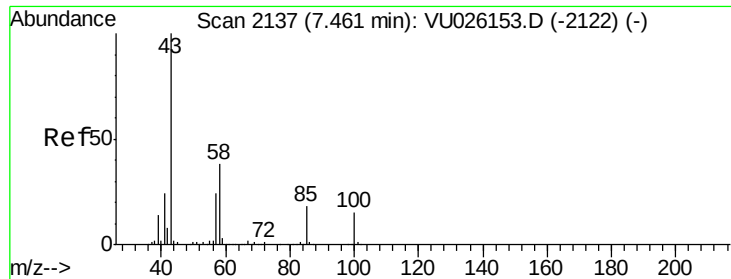
Tgt Ion: 83 Resp: 5734
 Ion Ratio Lower Upper
 83 100
 85 51.6 46.0 85.4
 127 12.7 7.5 11.3#



#39
 cis-1,3-Dichloropropene
 Concen: 1.967 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion: 75 Resp: 5805
 Ion Ratio Lower Upper
 75 100
 77 25.9 22.2 41.2

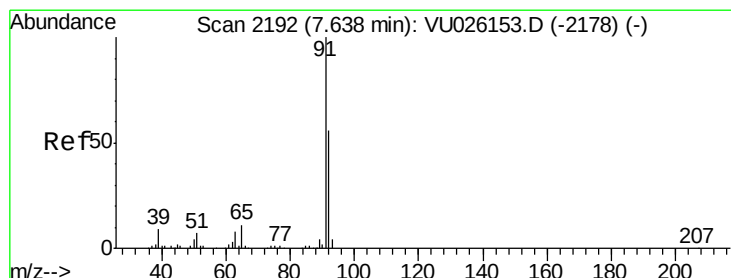
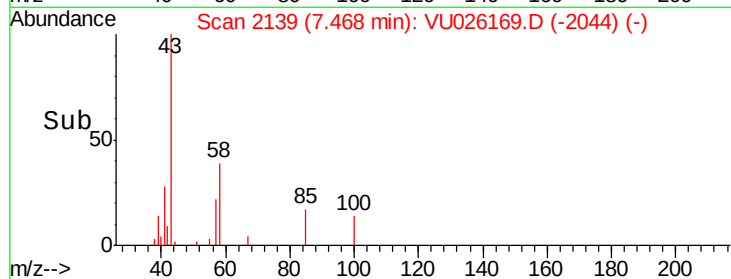
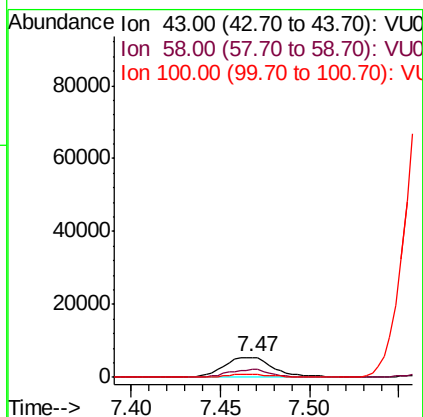
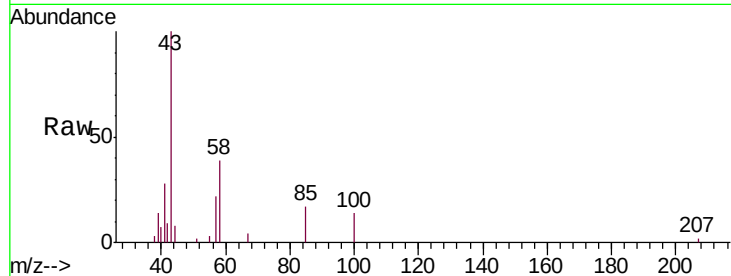




#40
 4-Methyl-2-pentanone
 Concen: 4.311 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.01 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

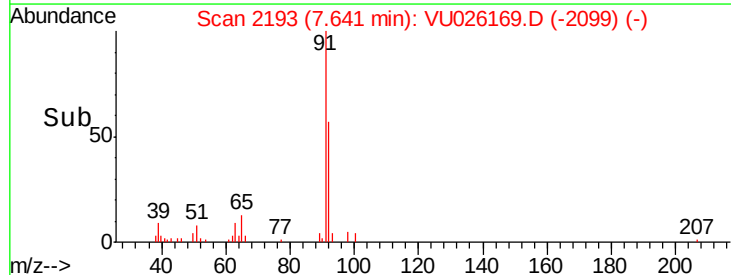
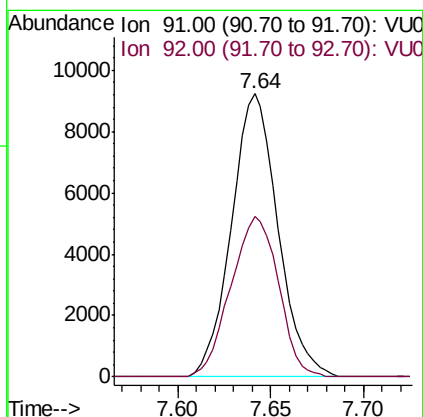
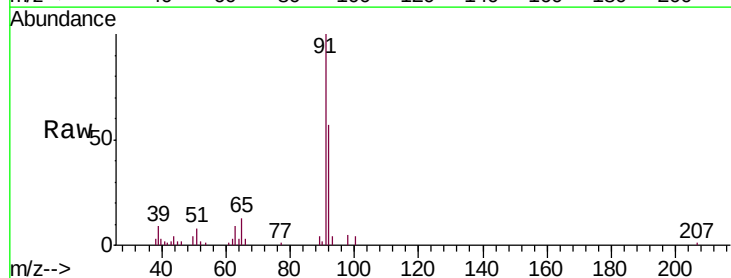
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

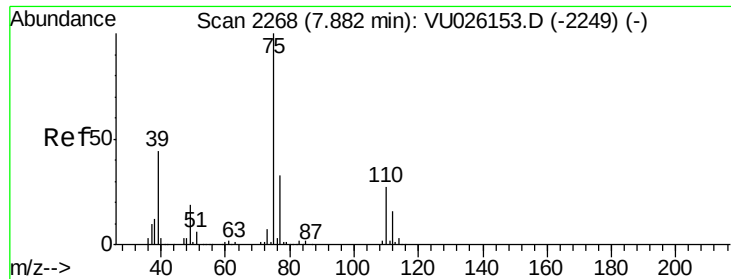
Tgt Ion: 43 Resp: 10631
 Ion Ratio Lower Upper
 43 100
 58 33.9 31.8 47.8
 100 12.8 12.2 18.2



#42
 Toluene
 Concen: 2.128 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion: 91 Resp: 16088
 Ion Ratio Lower Upper
 91 100
 92 56.6 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 1.882 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

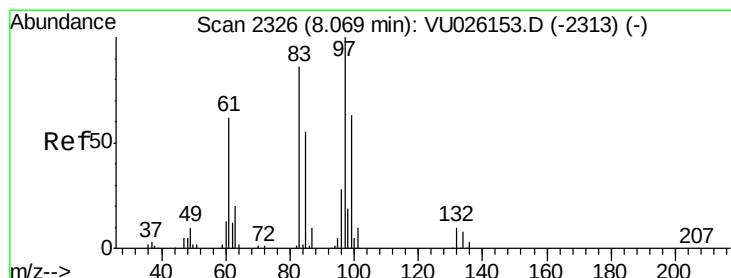
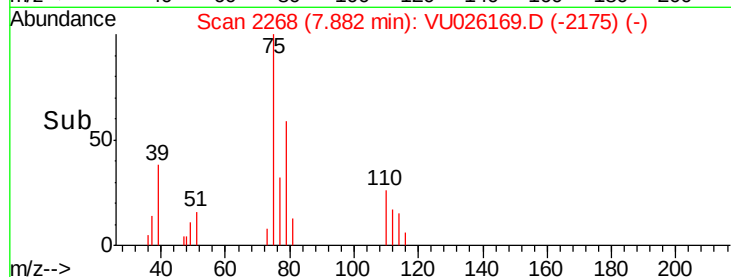
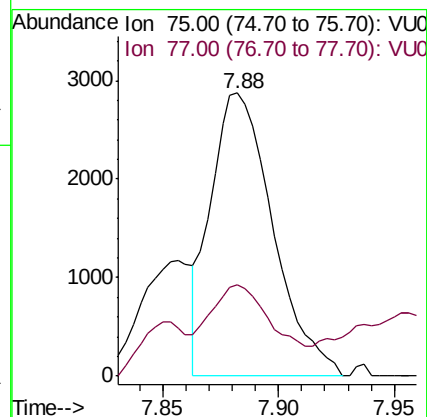
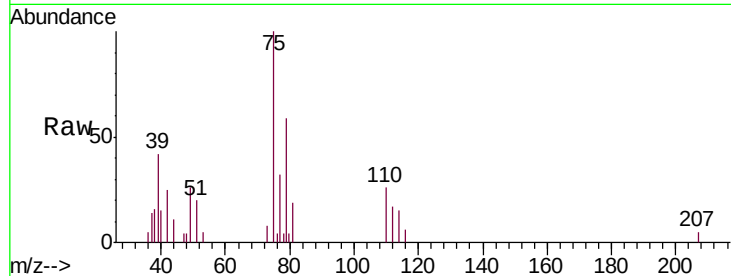
MDL07

Tgt Ion: 75 Resp: 5352

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0



#45

1,1,2-Trichloroethane

Concen: 2.140 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Tgt Ion: 97 Resp: 4034

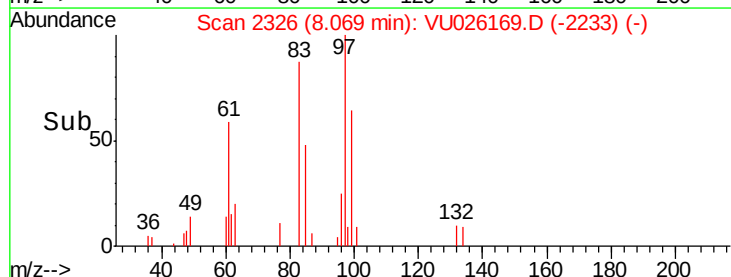
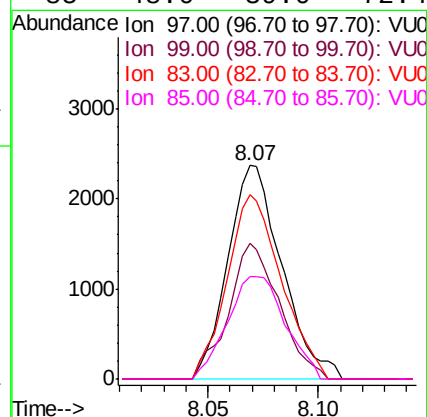
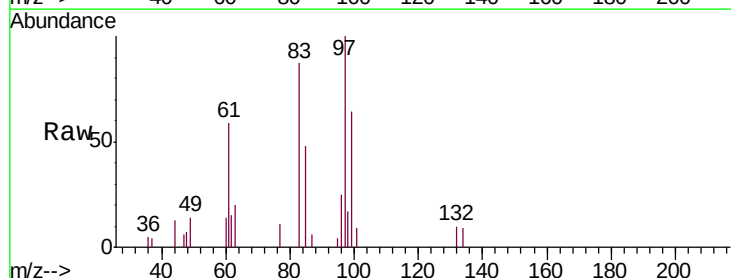
Ion Ratio Lower Upper

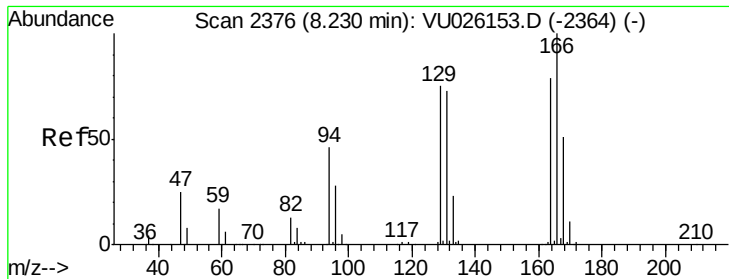
97 100

99 63.7 43.3 80.5

83 86.5 58.4 108.6

85 48.0 39.0 72.4

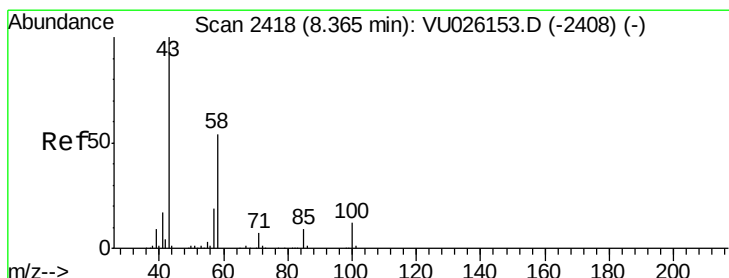
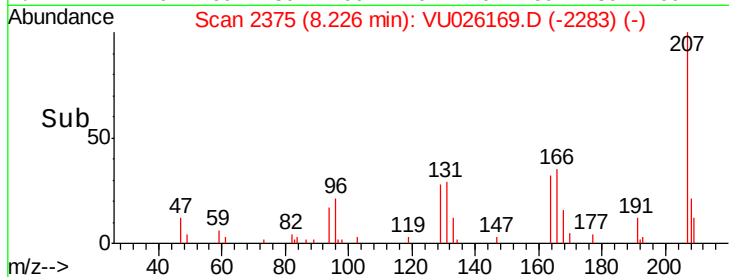
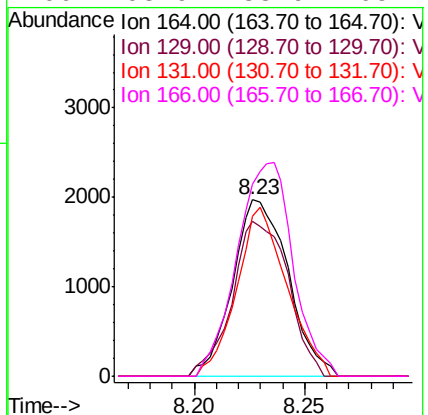
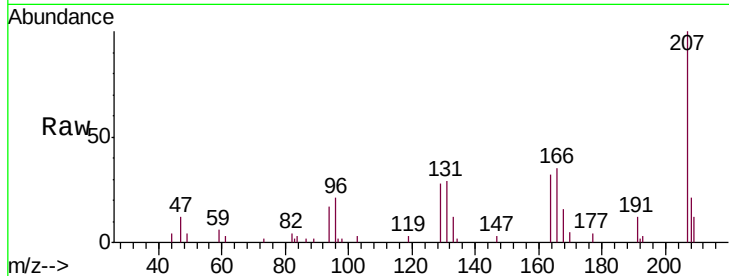




#46
 Tetrachloroethene
 Concen: 2.168 ug/L
 RT: 8.23 min Scan# 2375
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

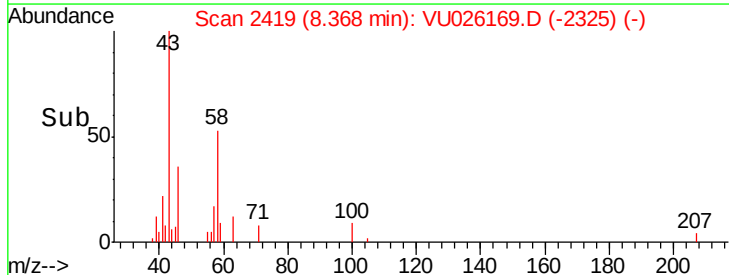
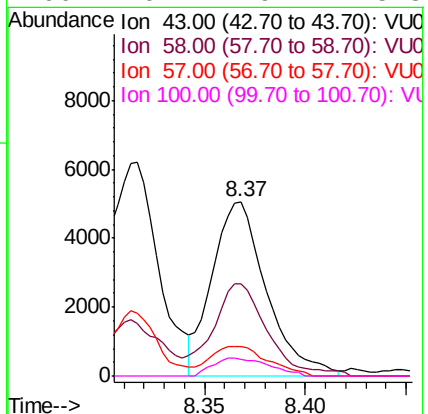
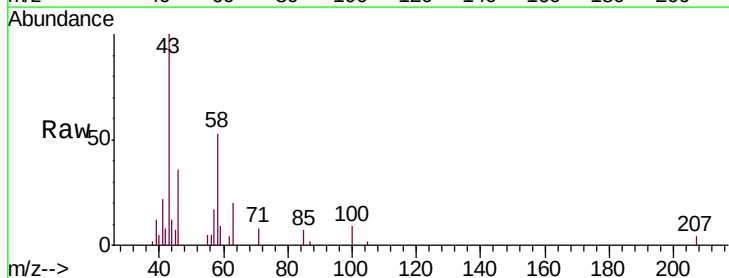
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

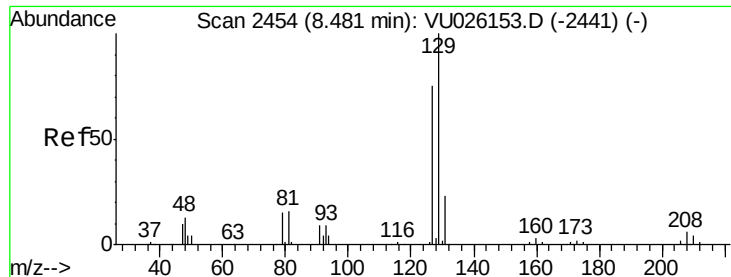
Tgt Ion:	164	Resp:	3467
Ion	Ratio	Lower	Upper
164	100		
129	87.8	65.7	121.9
131	90.7	62.0	115.2
166	108.9	88.9	165.1



#48
 2-Hexanone
 Concen: 4.916 ug/L
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion:	43	Resp:	9499
Ion	Ratio	Lower	Upper
43	100		
58	53.3	42.9	64.3
57	18.4	15.1	22.7
100	6.4	9.2	13.8#





#49

Dibromochloromethane

Concen: 2.024 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

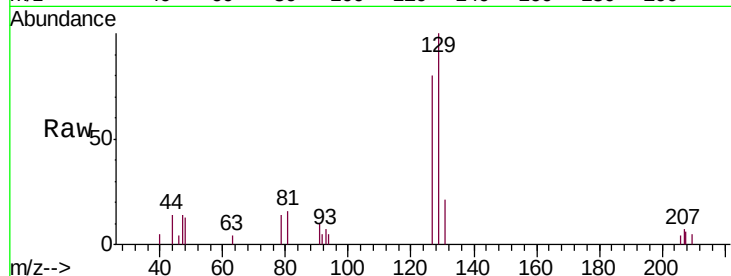
MDL07

Tgt Ion:129 Resp: 4595

Ion Ratio Lower Upper

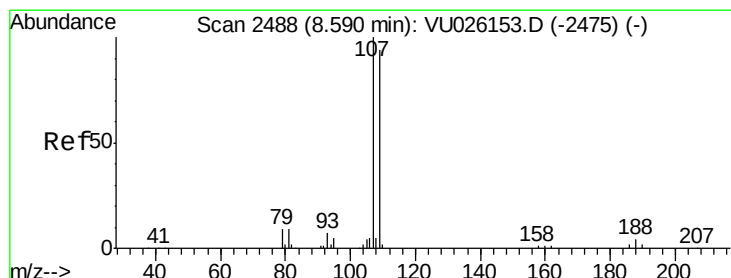
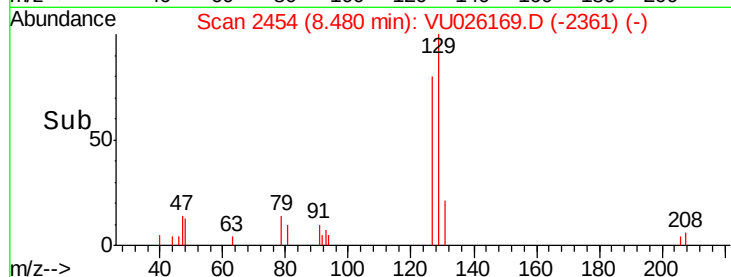
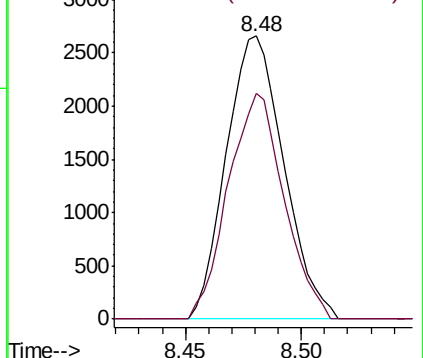
129 100

127 79.6 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.248 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

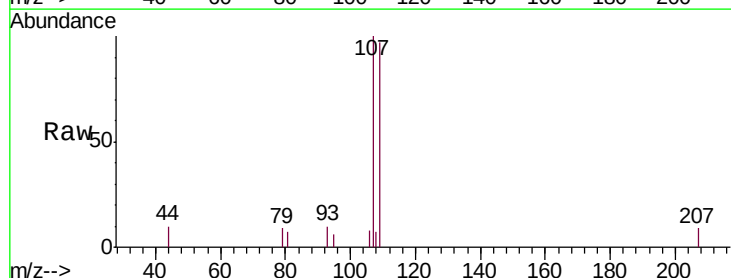
Tgt Ion:107 Resp: 4399

Ion Ratio Lower Upper

107 100

109 96.9 66.1 122.7

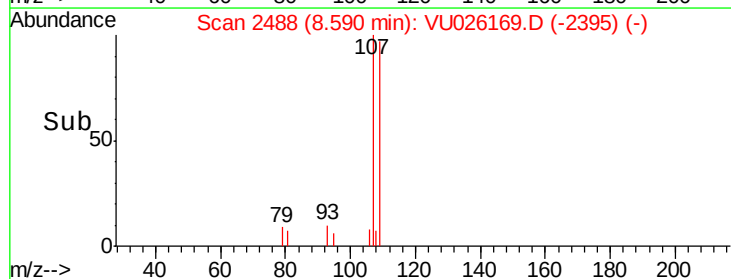
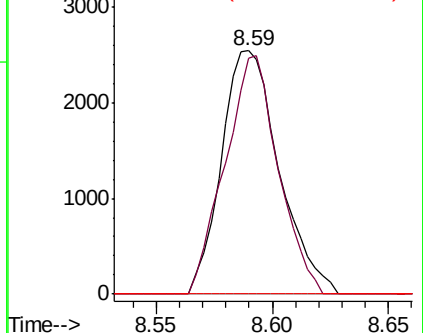
188 0.0 3.2 4.8#

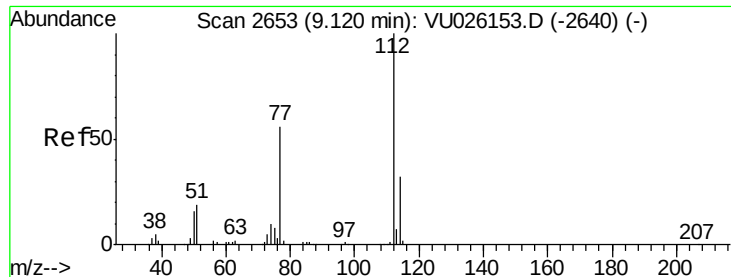


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.977 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

MDL07

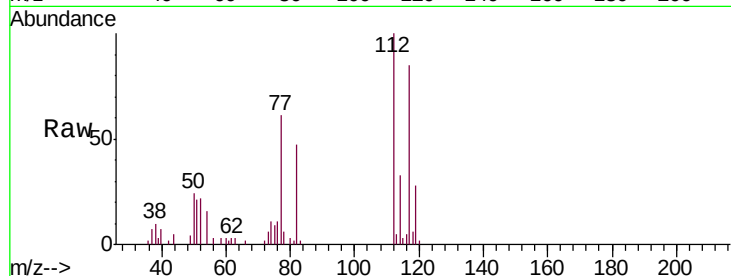
Tgt Ion: 112 Resp: 10213

Ion Ratio Lower Upper

112 100

114 32.8 22.5 41.9

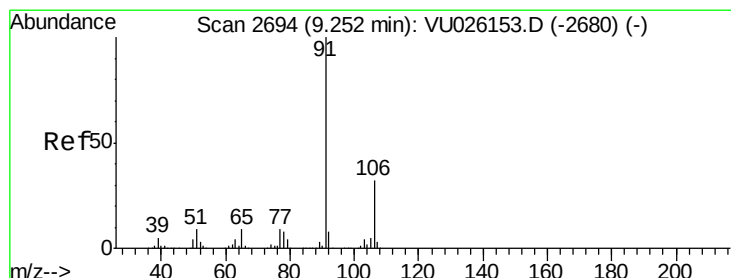
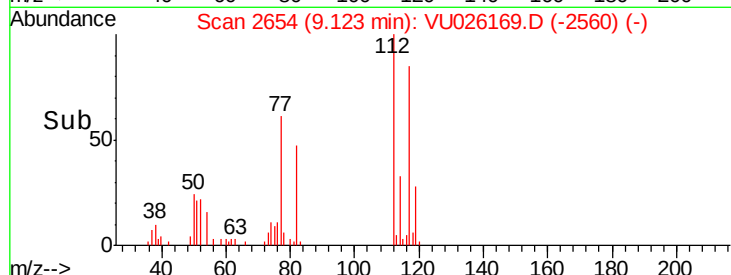
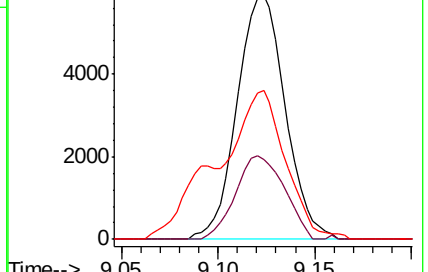
77 61.1 45.0 67.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.809 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU026169.D

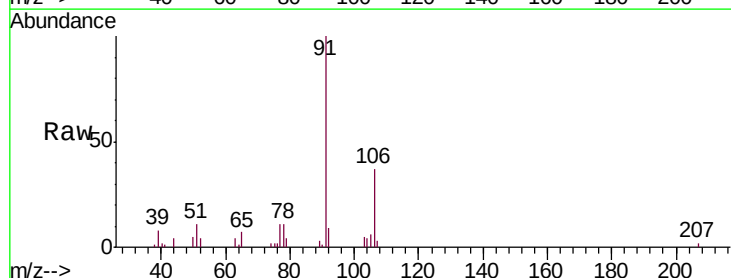
Acq: 16 Aug 2018 00:51

Tgt Ion: 91 Resp: 14894

Ion Ratio Lower Upper

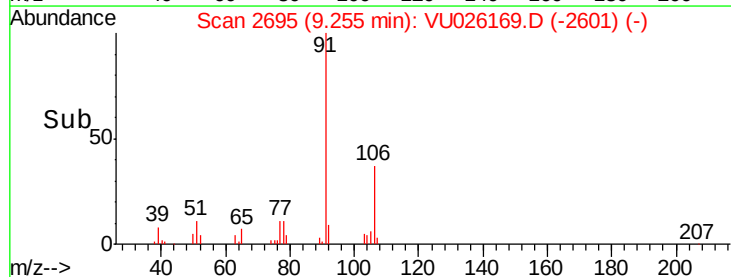
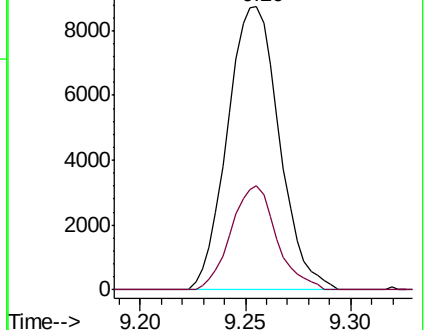
91 100

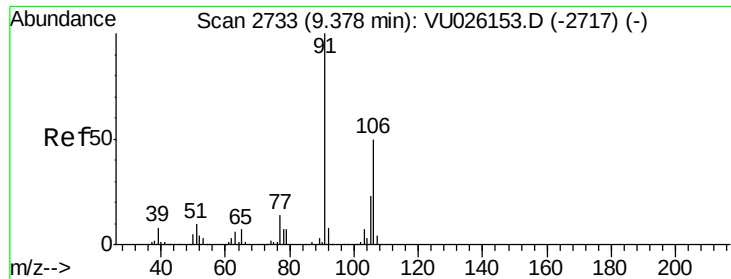
106 36.9 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.806 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

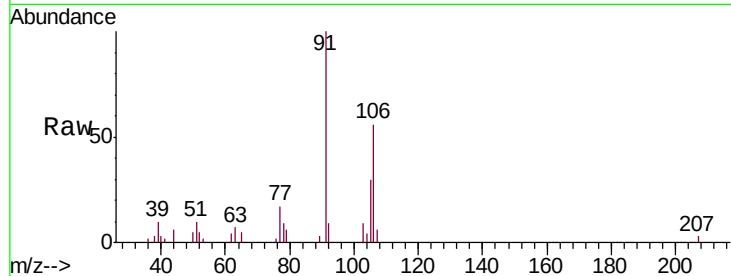
MDL07

Tgt Ion:106 Resp: 5731

Ion Ratio Lower Upper

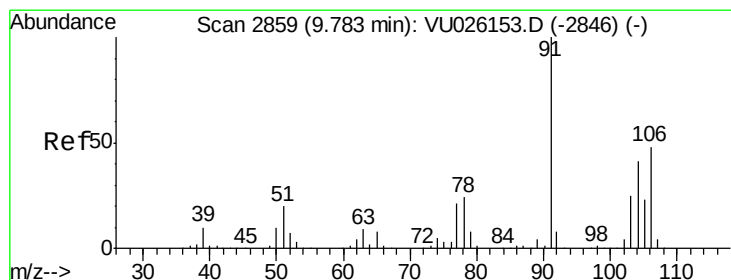
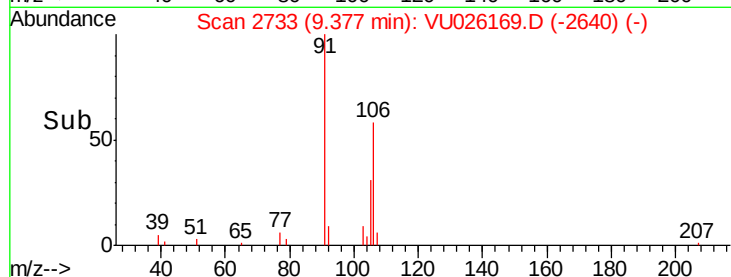
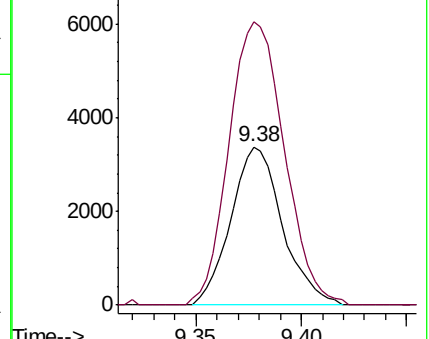
106 100

91 178.7 139.2 258.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.569 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026169.D

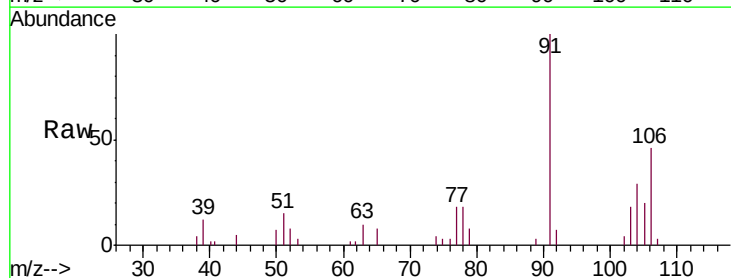
Acq: 16 Aug 2018 00:51

Tgt Ion:106 Resp: 4969

Ion Ratio Lower Upper

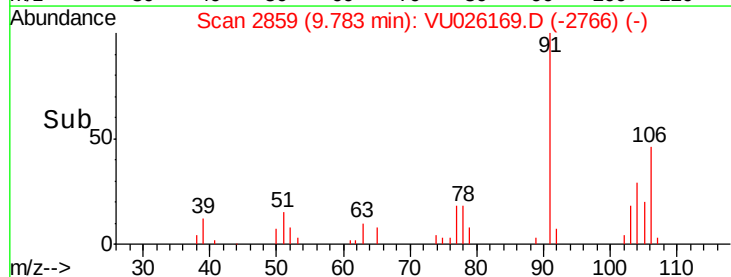
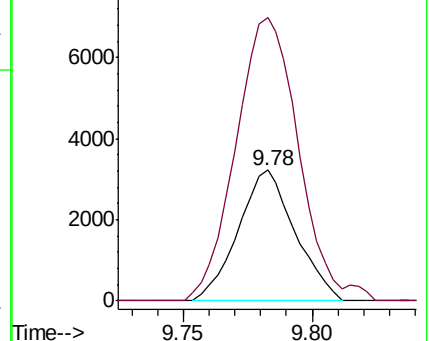
106 100

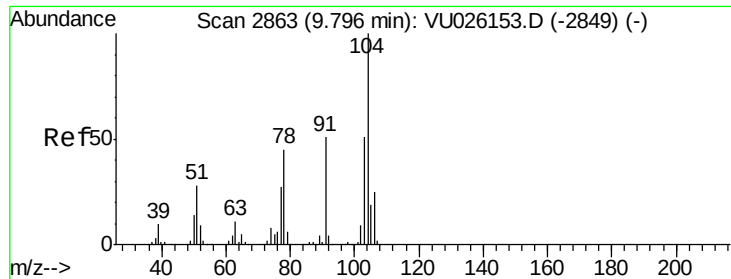
91 217.0 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 1.510 ug/L

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampled :

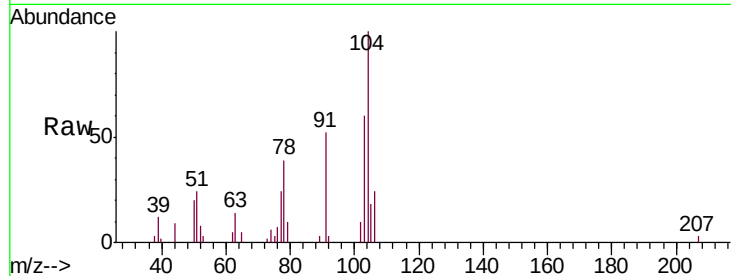
MDL07

Tgt Ion:104 Resp: 7959

Ion Ratio Lower Upper

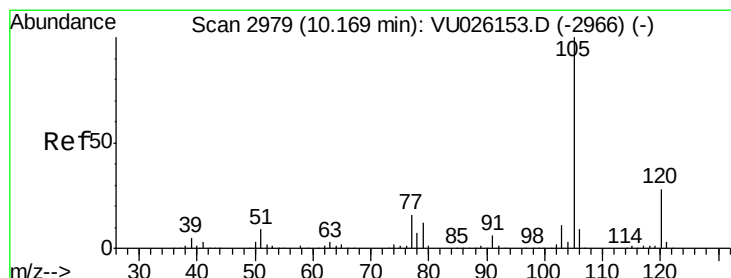
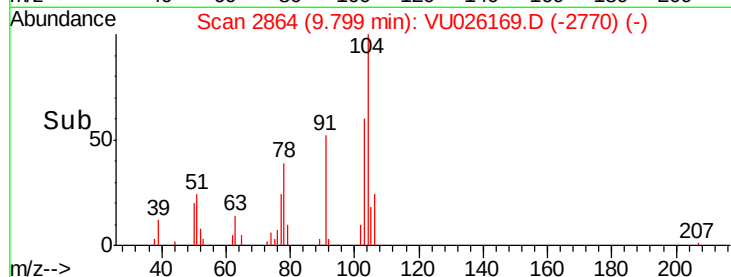
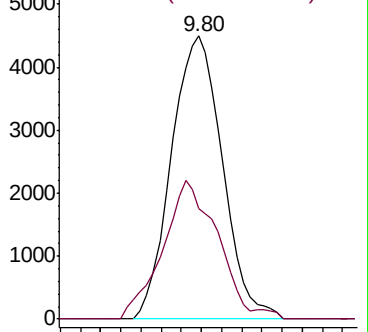
104 100

78 39.2 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 1.594 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

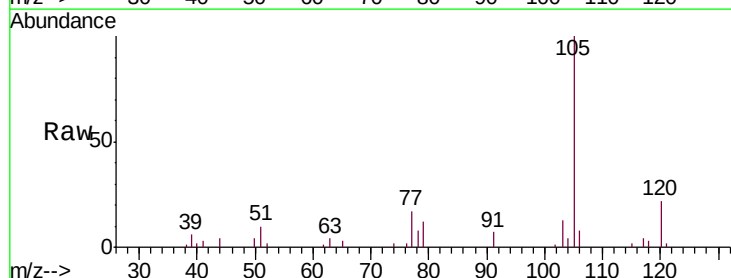
Tgt Ion:105 Resp: 12957

Ion Ratio Lower Upper

105 100

120 26.0 21.5 32.3

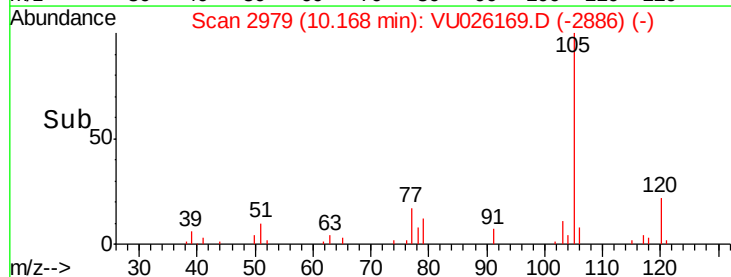
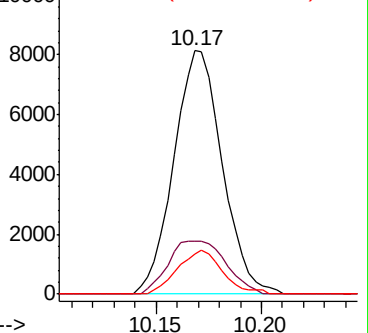
77 16.3 12.3 18.5

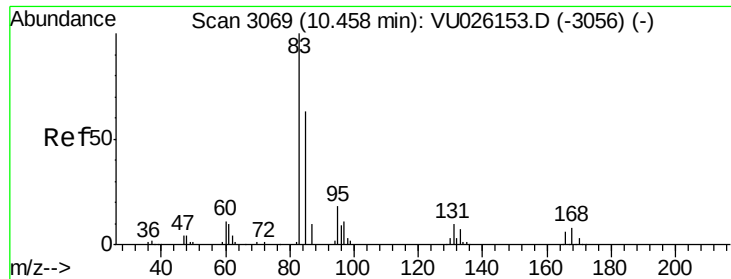


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

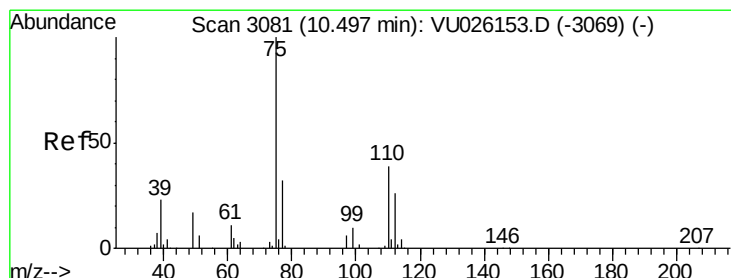
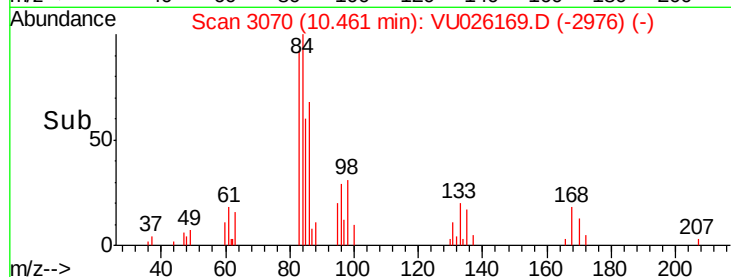
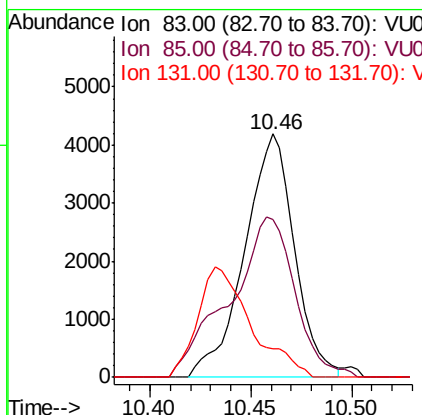
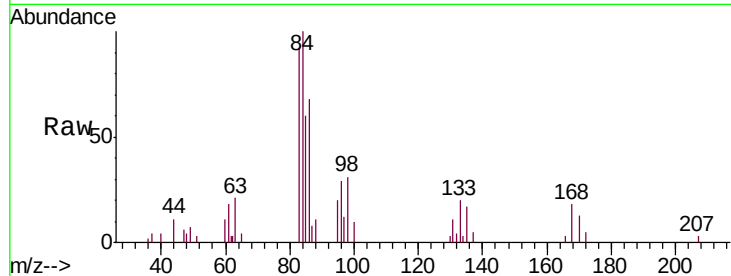




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.300 ug/L
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

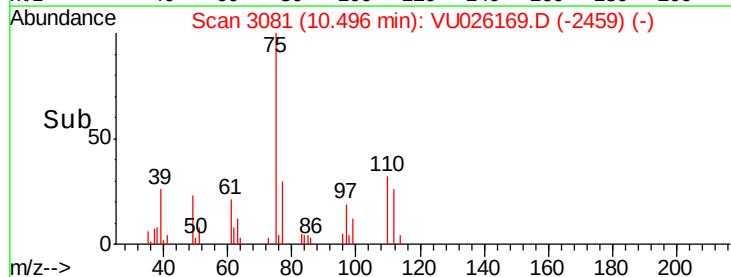
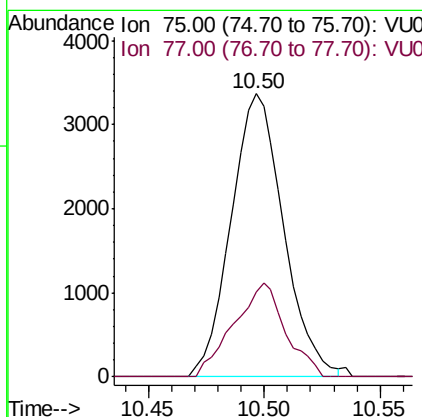
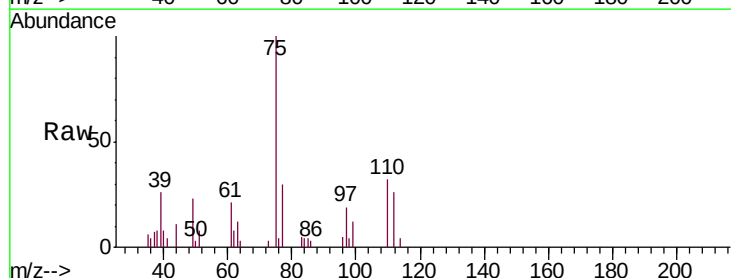
Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

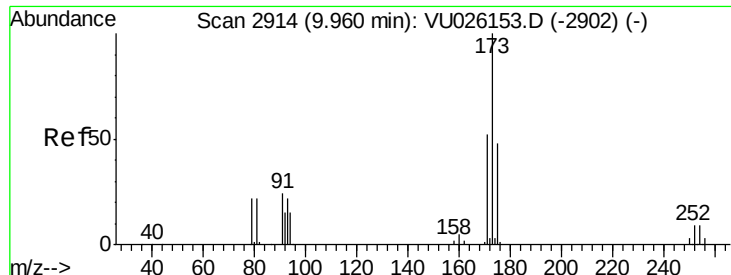
Tgt Ion: 83 Resp: 7240
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.0 83.6
 131 11.9 8.4 12.6



#59
 1,2,3-Trichloropropane
 Concen: 2.163 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion: 75 Resp: 5297
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.1 39.1





#61

Bromoform

Concen: 2.353 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

Instrument :

MSVOA_U

ClientSampleId :

MDL07

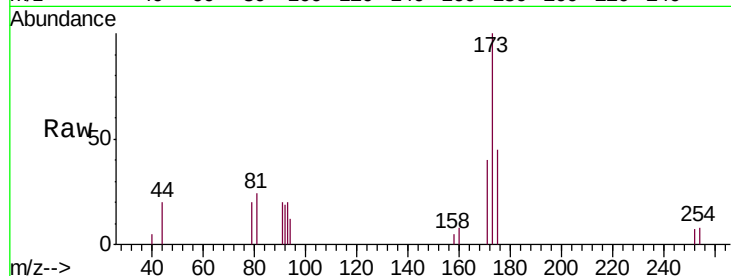
Tgt Ion:173 Resp: 3385

Ion Ratio Lower Upper

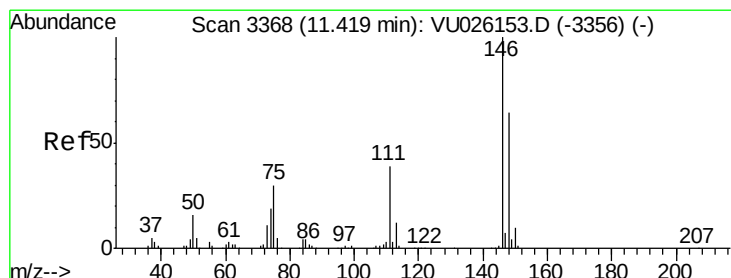
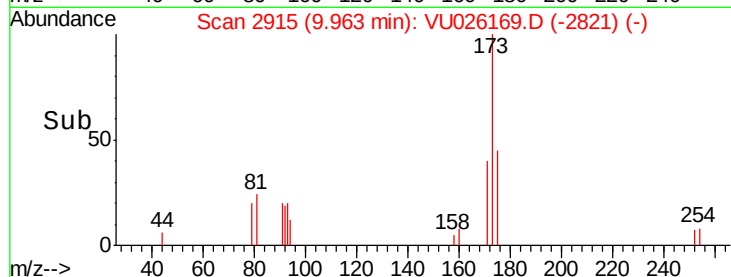
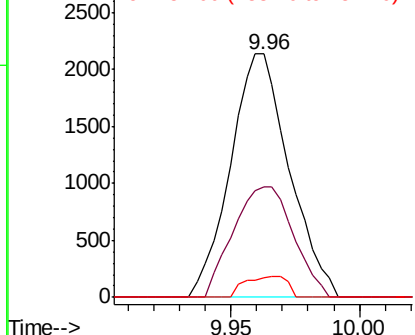
173 100

175 46.5 38.8 58.2

254 6.3 7.3 10.9#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 2.170 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026169.D

Acq: 16 Aug 2018 00:51

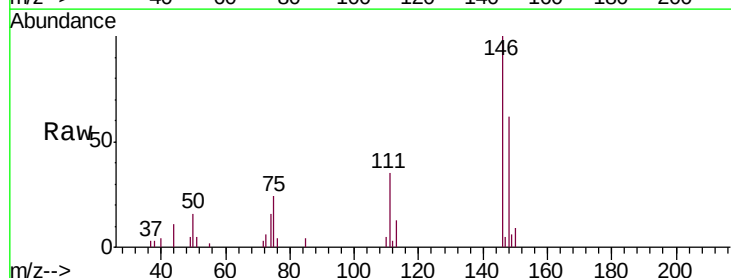
Tgt Ion:146 Resp: 7154

Ion Ratio Lower Upper

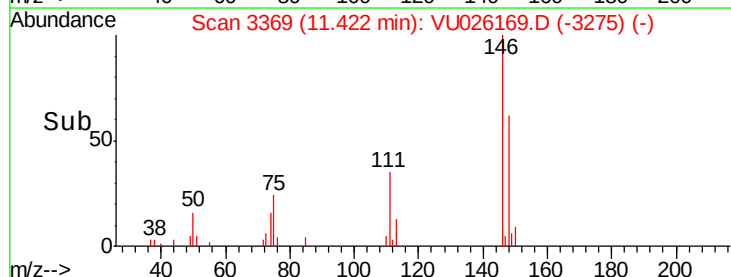
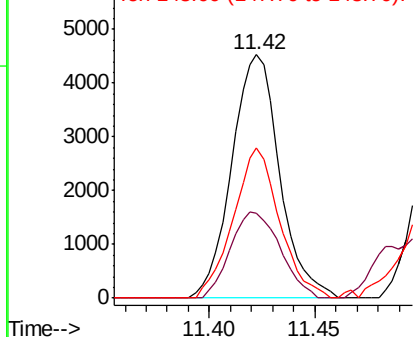
146 100

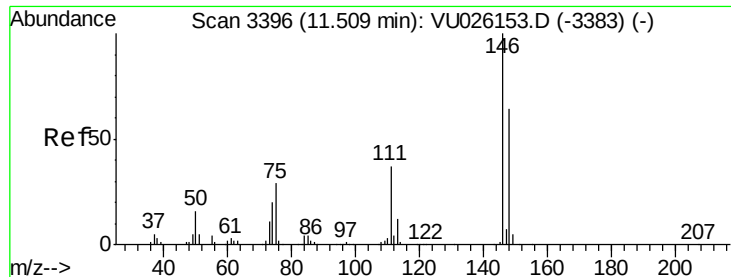
111 34.8 26.7 49.7

148 61.7 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

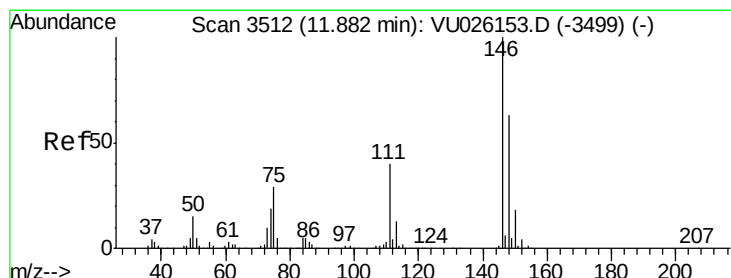
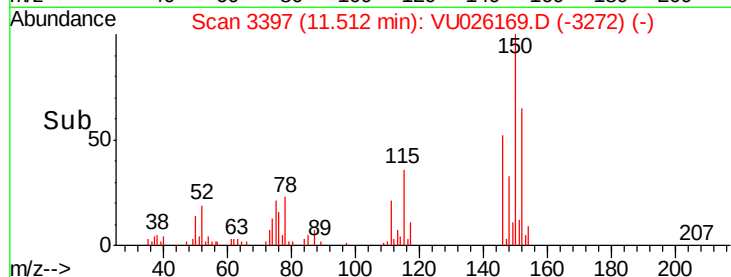
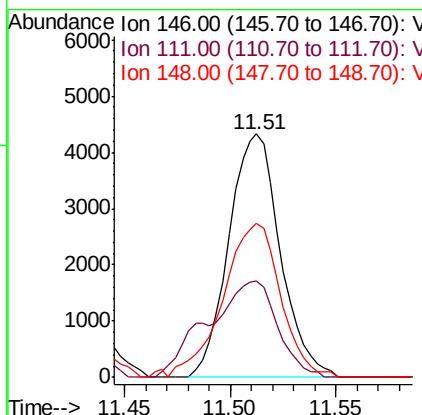
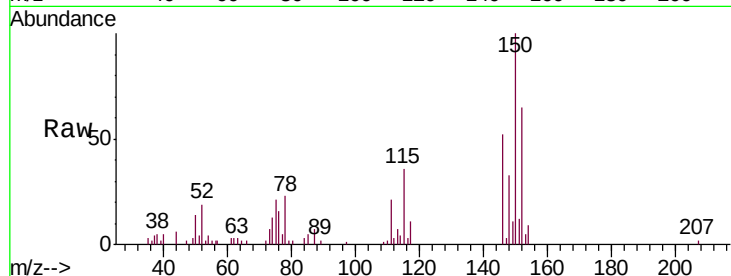




#63
 1,4-Dichlorobenzene
 Concen: 2.152 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

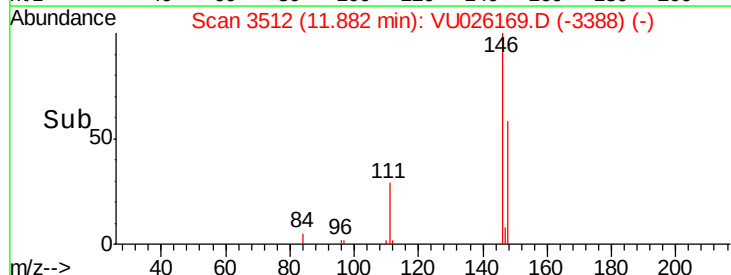
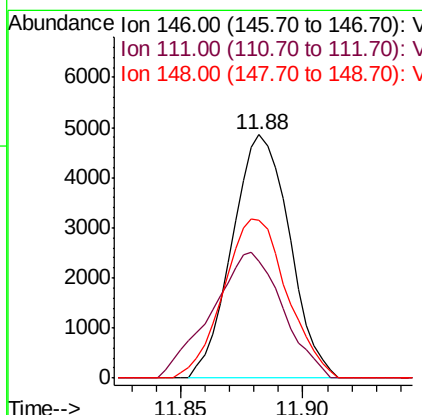
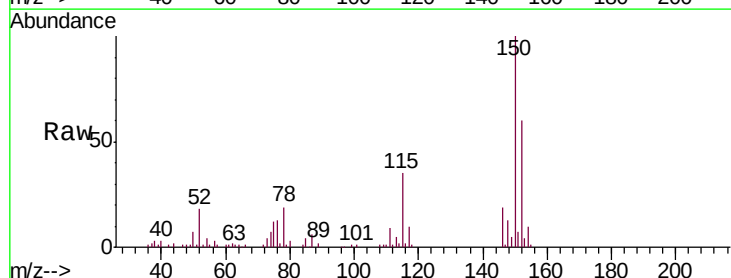
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

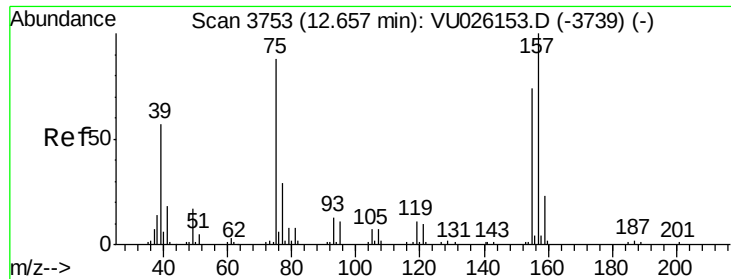
Tgt Ion:146 Resp: 7318
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.5 51.1
 148 63.2 44.8 83.2



#65
 1,2-Dichlorobenzene
 Concen: 2.251 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion:146 Resp: 7930
 Ion Ratio Lower Upper
 146 100
 111 47.8 32.7 49.1
 148 64.8 51.4 77.2

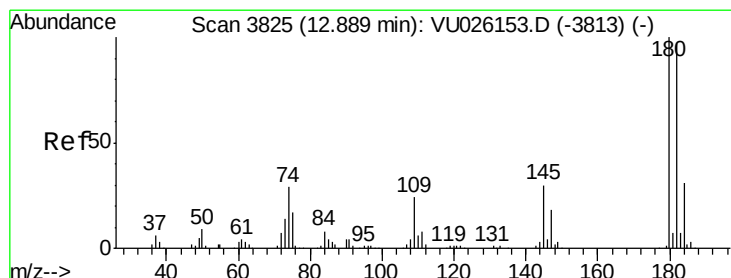
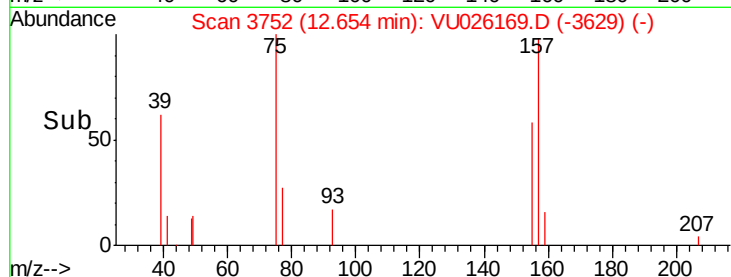
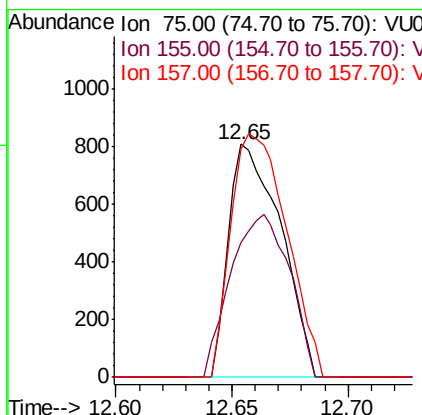
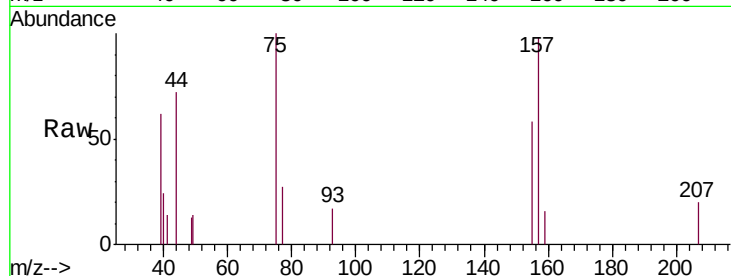




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.254 ug/L
 RT: 12.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

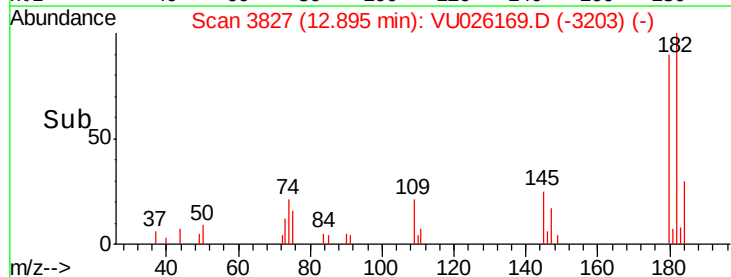
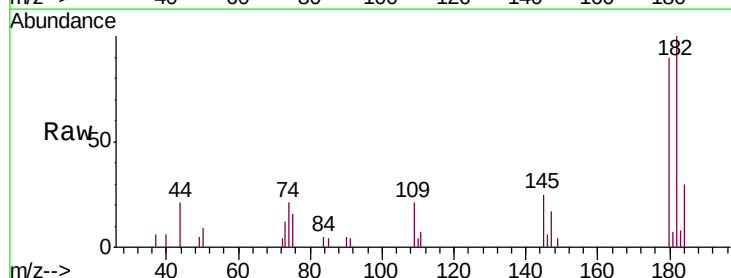
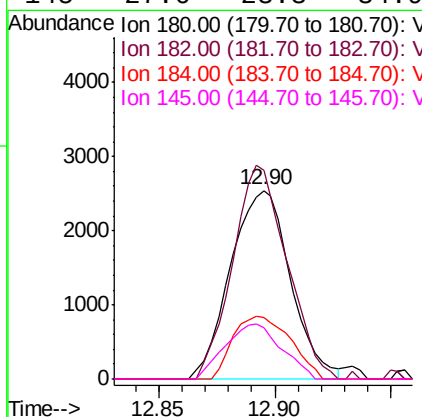
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

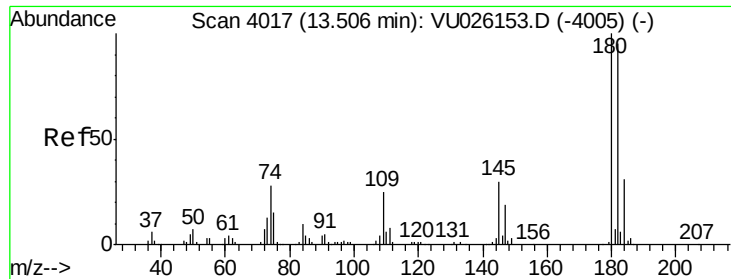
Tgt Ion: 75 Resp: 1259
 Ion Ratio Lower Upper
 75 100
 155 58.0 68.2 102.2#
 157 98.0 90.5 135.7



#67
 1,3,5-Trichlorobenzene
 Concen: 1.868 ug/L
 RT: 12.90 min Scan# 3827
 Delta R.T. 0.01 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion: 180 Resp: 4548
 Ion Ratio Lower Upper
 180 100
 182 102.7 75.6 113.4
 184 32.1 24.3 36.5
 145 27.6 23.3 34.9

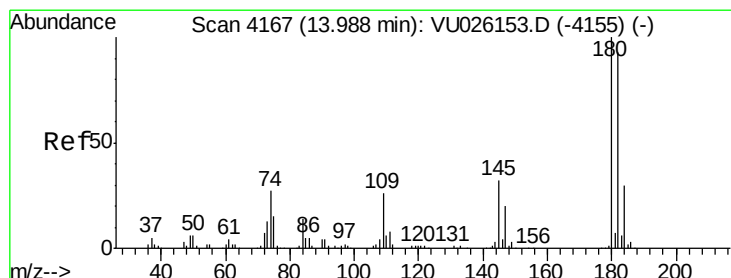
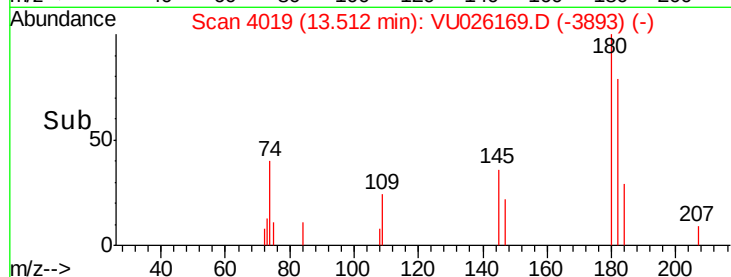
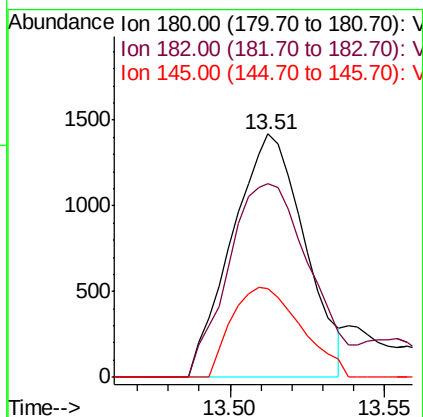
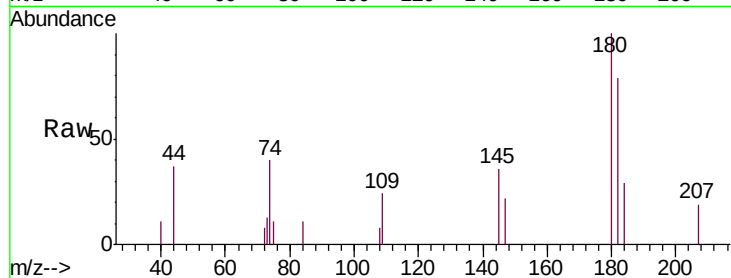




#68
 1,2,4-trichlorobenzene
 Concen: 1.254 ug/L
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 2314
 Ion Ratio Lower Upper
 180 100
 182 90.7 76.8 115.2
 145 35.6 23.8 35.6



#70
 1,2,3-Trichlorobenzene
 Concen: 1.308 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026169.D
 Acq: 16 Aug 2018 00:51

Tgt Ion:180 Resp: 2587
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.1 115.7
 145 32.0 25.1 37.7

