

Data File : VU026167.D
Acq On : 16 Aug 2018 00:02
Operator : MD/SY
Sample : MDL05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Quant Time: Aug 16 04:44:47 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	278482	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	261489	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	66209	40.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.98%
7) Chloroethane-d5	1.68	69	57977	43.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.26%
11) 1,1-Dichloroethene-d2	2.27	63	106142	33.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.10%
21) 2-Butanone-d5	4.18	46	128419	102.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.35%
24) Chloroform-d	4.65	84	163179	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
26) 1,2-Dichloroethane-d4	5.31	65	111065	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
32) Benzene-d6	5.35	84	312560	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
36) 1,2-Dichloropropane-d6	6.33	67	105363	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.08%
41) Toluene-d8	7.57	98	284873	44.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.30%
43) trans-1,3-Dichloropropene-	7.85	79	45086	42.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.92%
47) 2-Hexanone-d5	8.31	63	89882	98.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145322	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	112570	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5232	2.373 ug/L	99
3) Chloromethane	1.33	50	5441	2.710 ug/L	95
5) Vinyl chloride	1.40	62	5020	2.504 ug/L #	82
6) Bromomethane	1.62	94	2676	2.590 ug/L	89
8) Chloroethane	1.70	64	2757	2.297 ug/L	100
9) Trichlorofluoromethane	1.89	101	7059	2.385 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4764	2.970 ug/L #	75
12) 1,1-Dichloroethene	2.28	96	4196	2.851 ug/L #	1
13) Acetone	2.32	43	5375	4.681 ug/L	92
14) Carbon disulfide	2.48	76	11995	2.350 ug/L	96
15) Methyl Acetate	2.62	43	5738	2.881 ug/L	97
16) Methylene chloride	2.70	84	4919	2.495 ug/L	86
17) trans-1,2-Dichloroethene	2.98	96	4189	2.399 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	12691	2.290 ug/L	99
19) 1,1-Dichloroethane	3.45	63	8129	2.419 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	4743	2.423 ug/L	87
22) 2-Butanone	4.27	43	6570	4.593 ug/L #	54

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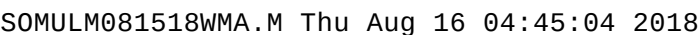
Instrument :
MSVOA_U
ClientSampleId :
MDL05

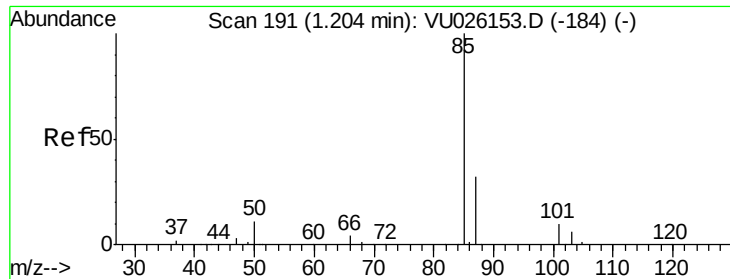
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2450	2.315	ug/L	94
25) Chloroform	4.67	83	10329	2.927	ug/L	100
27) 1,2-Dichloroethane	5.41	62	7210	2.527	ug/L #	92
29) Cyclohexane	5.00	56	5473	2.095	ug/L	96
30) 1,1,1-Trichloroethane	4.92	97	7793	2.494	ug/L	95
31) Carbon tetrachloride	5.14	117	6671	2.357	ug/L	99
33) Benzene	5.39	78	16562	2.339	ug/L	100
34) Trichloroethene	6.19	95	4487	2.433	ug/L	91
35) Methylcyclohexane	6.42	83	5915	2.136	ug/L	95
37) 1,2-Dichloropropane	6.44	63	5218	2.639	ug/L #	87
38) Bromodichloromethane	6.76	83	6461	2.468	ug/L	88
39) cis-1,3-Dichloropropene	7.27	75	6990	2.381	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	10796	4.401	ug/L	97
42) Toluene	7.64	91	16928	2.251	ug/L	87
44) trans-1,3-Dichloropropene	7.89	75	8195	2.897	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	4524	2.413	ug/L	94
46) Tetrachloroethene	8.23	164	3688	2.318	ug/L	92
48) 2-Hexanone	8.36	43	8835	4.597	ug/L #	93
49) Dibromochloromethane	8.48	129	5141	2.277	ug/L	96
50) 1,2-Dibromoethane	8.59	107	4748	2.439	ug/L	91
51) Chlorobenzene	9.12	112	12350	2.403	ug/L	93
52) Ethylbenzene	9.25	91	15993	1.952	ug/L	99
53) m,p-Xylene	9.38	106	6366	2.017	ug/L	83
54) o-xylene	9.78	106	5815	1.846	ug/L	99
55) Styrene	9.80	104	9402	1.793	ug/L	89
56) Isopropylbenzene	10.17	105	14707	1.819	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	8393	2.681	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	5897	2.421	ug/L	94
61) Bromoform	9.96	173	3638	2.529	ug/L #	66
62) 1,3-Dichlorobenzene	11.42	146	7335	2.225	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	8404	2.472	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	9012	2.558	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	1552	2.778	ug/L	88
67) 1,3,5-Trichlorobenzene	12.89	180	5099	2.094	ug/L #	94
68) 1,2,4-trichlorobenzene	13.51	180	2448	1.327	ug/L	92
69) Naphthalene	13.75	128	6570	1.252	ug/L #	82
70) 1,2,3-Trichlorobenzene	13.99	180	3303	1.670	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 2.373 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

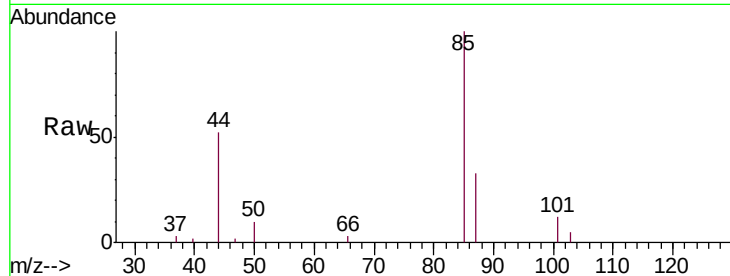
MDL05

Tgt Ion: 85 Resp: 5232

Ion Ratio Lower Upper

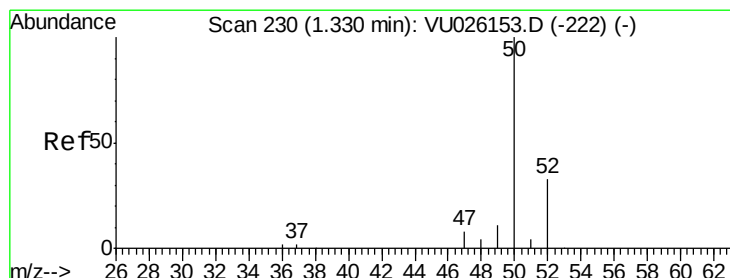
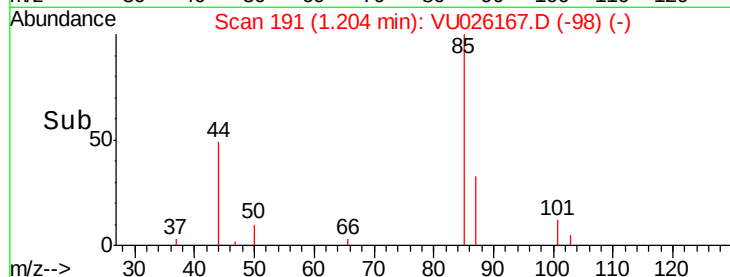
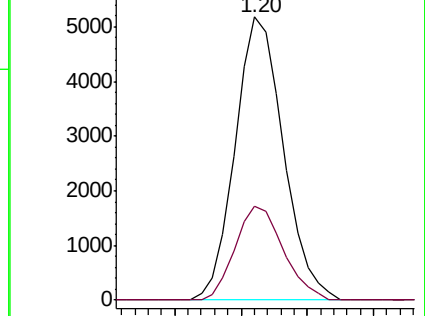
85 100

87 33.1 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: 2.710 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026167.D

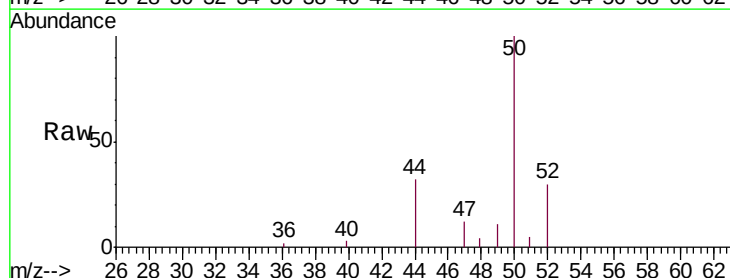
Acq: 16 Aug 2018 00:02

Tgt Ion: 50 Resp: 5441

Ion Ratio Lower Upper

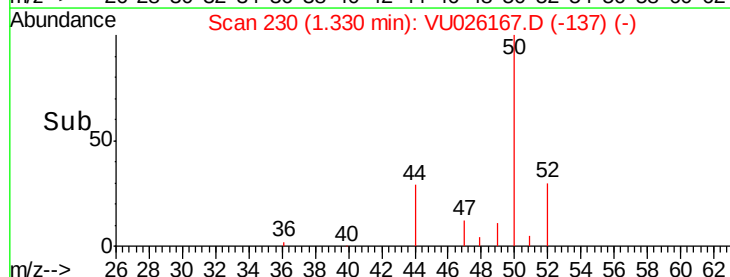
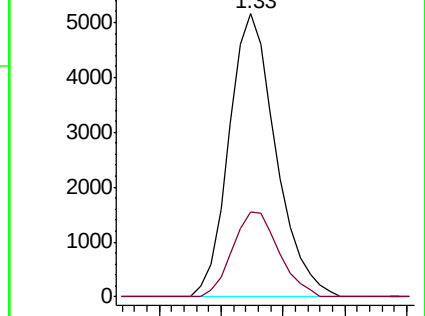
50 100

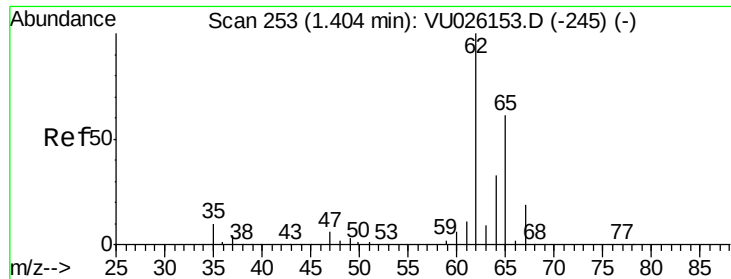
52 29.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.504 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

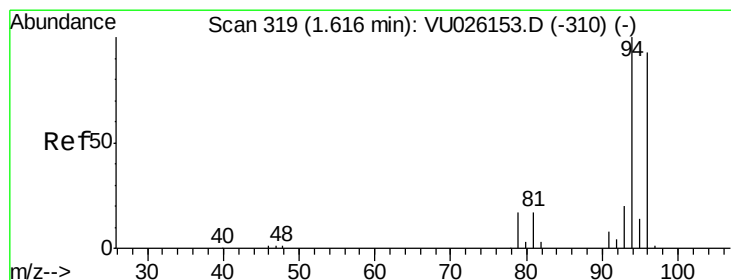
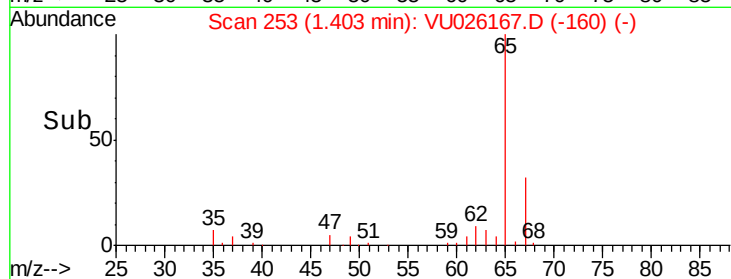
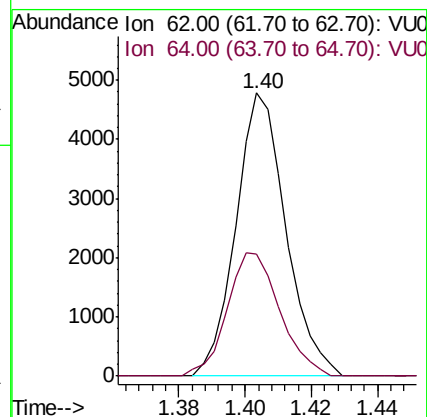
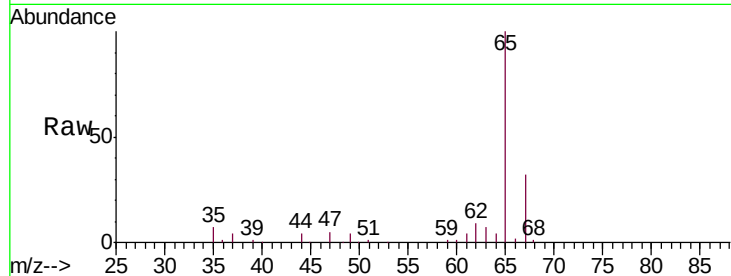
MDL05

Tgt Ion: 62 Resp: 5020

Ion Ratio Lower Upper

62 100

64 43.2 23.0 42.8#



#6

Bromomethane

Concen: 2.590 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU026167.D

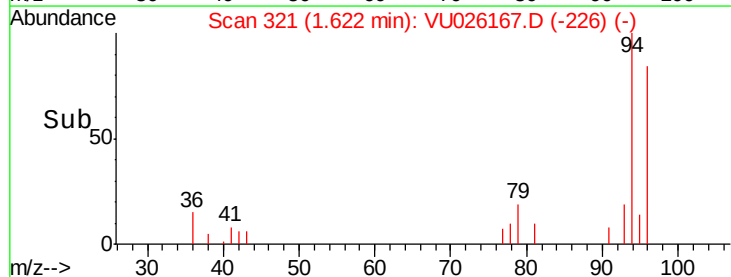
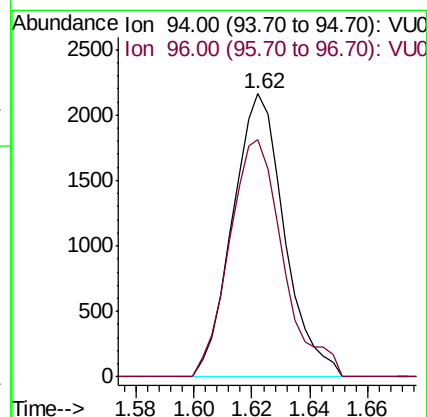
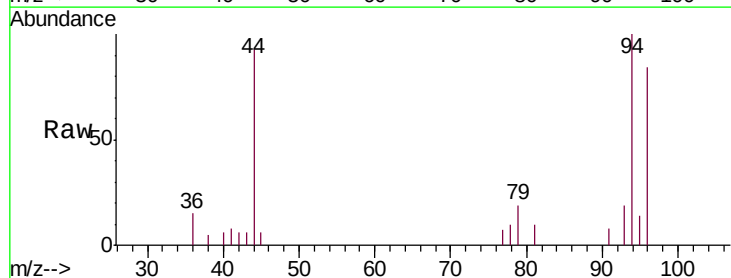
Acq: 16 Aug 2018 00:02

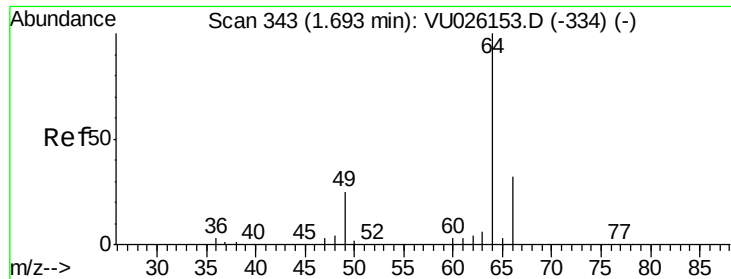
Tgt Ion: 94 Resp: 2676

Ion Ratio Lower Upper

94 100

96 84.0 65.9 122.5





#8

Chloroethane

Concen: 2.297 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

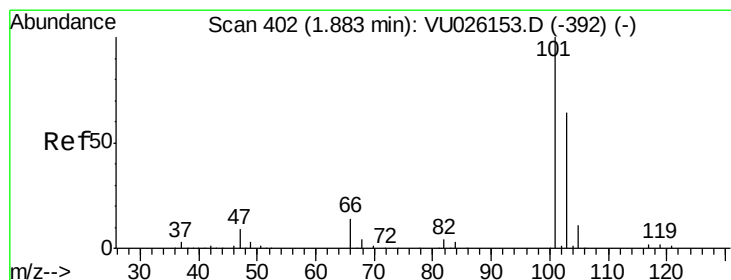
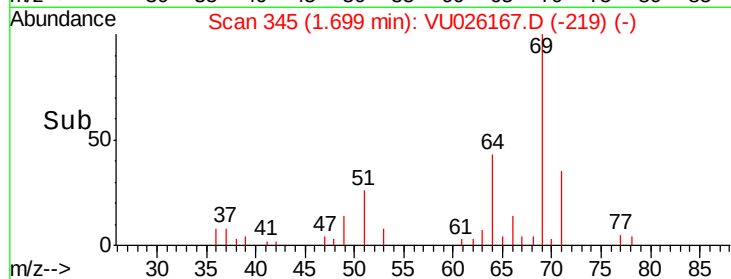
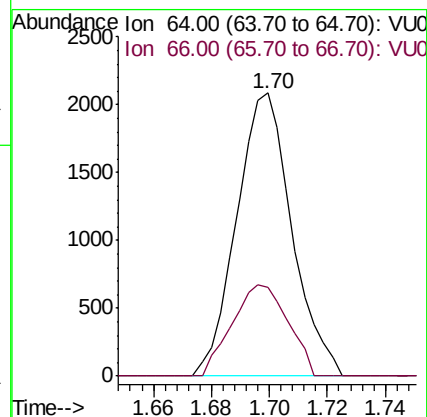
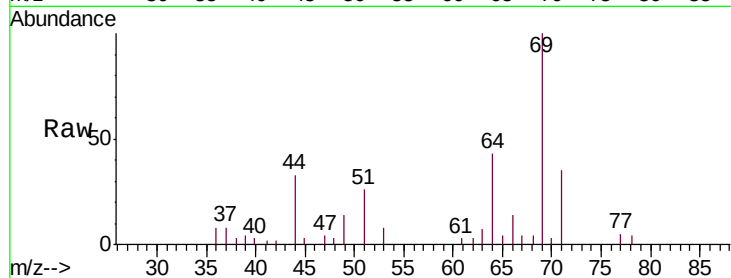
MDL05

Tgt Ion: 64 Resp: 2757

Ion Ratio Lower Upper

64 100

66 31.5 22.2 41.2



#9

Trichlorofluoromethane

Concen: 2.385 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026167.D

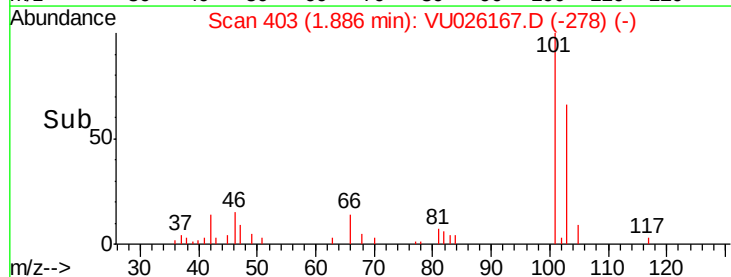
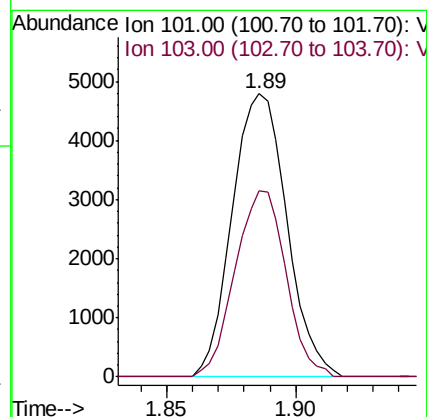
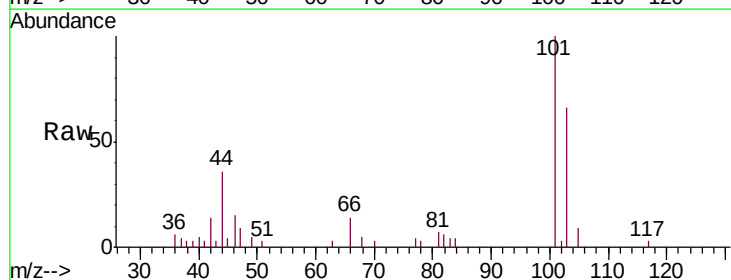
Acq: 16 Aug 2018 00:02

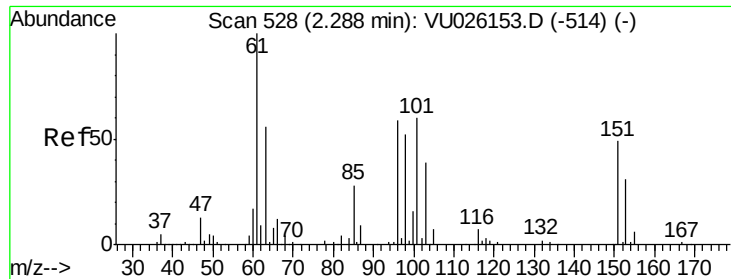
Tgt Ion: 101 Resp: 7059

Ion Ratio Lower Upper

101 100

103 61.0 51.4 77.2





#10

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

Concen: 2.970 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

MDL05

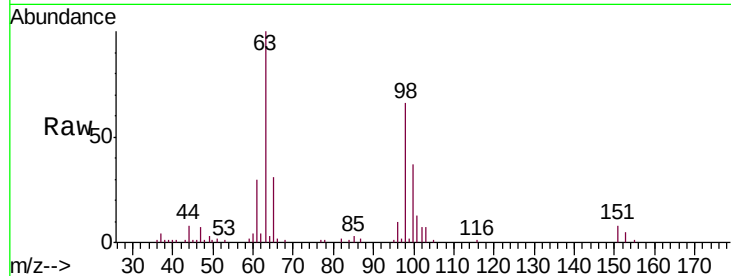
Tgt Ion:101 Resp: 4764

Ion Ratio Lower Upper

101 100

85 28.4 36.6 55.0#

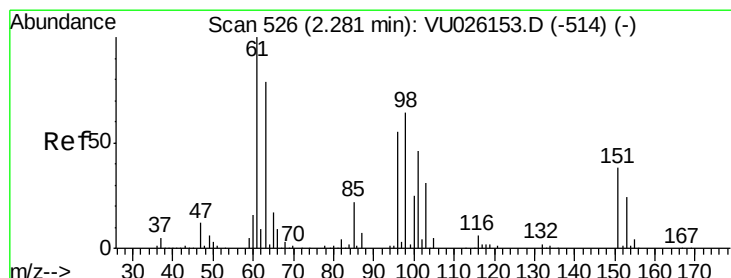
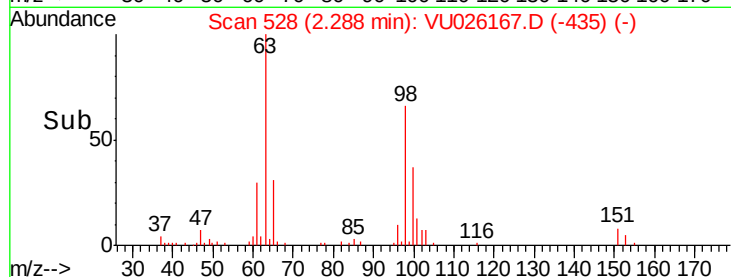
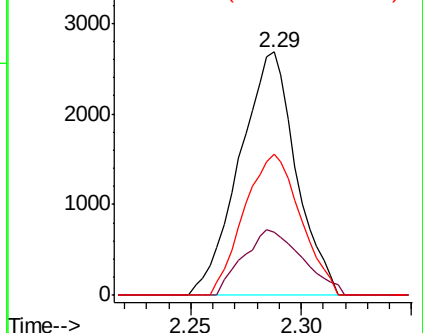
151 58.1 63.8 95.8#



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: 2.851 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

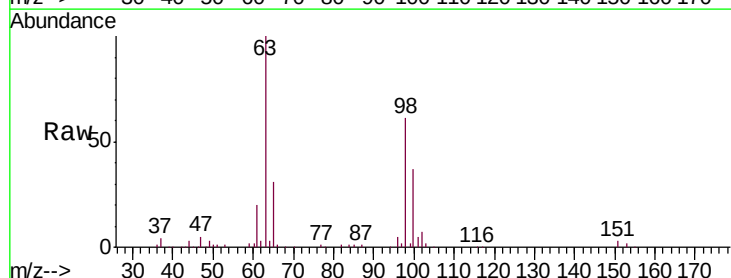
Tgt Ion: 96 Resp: 4196

Ion Ratio Lower Upper

96 100

61 374.8 126.8 235.4#

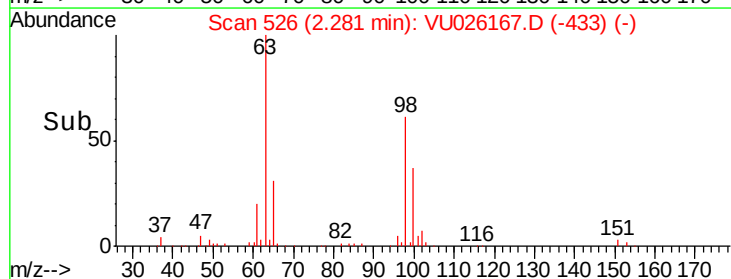
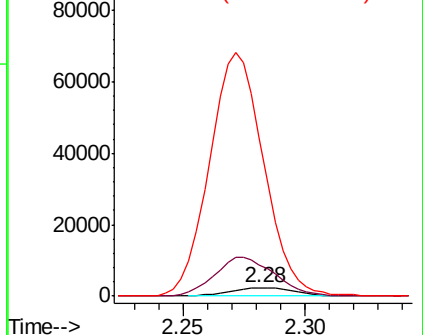
63 1887.0 97.0 180.2#

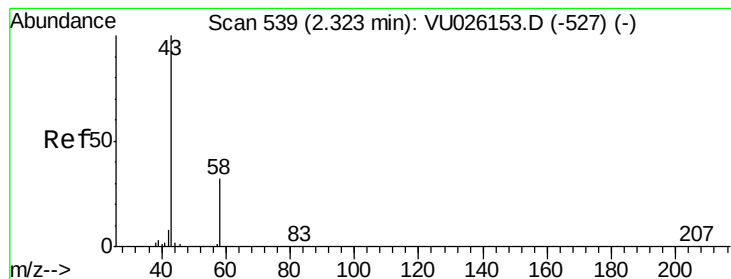


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.681 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

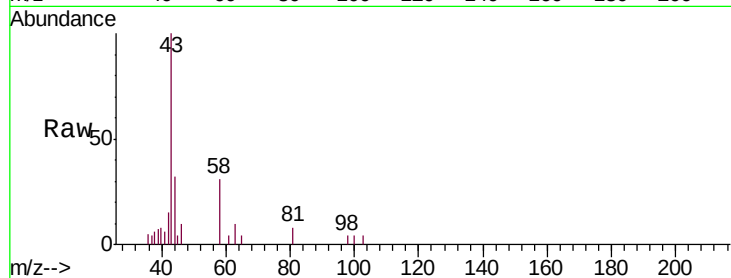
MDL05

Tgt Ion: 43 Resp: 5375

Ion Ratio Lower Upper

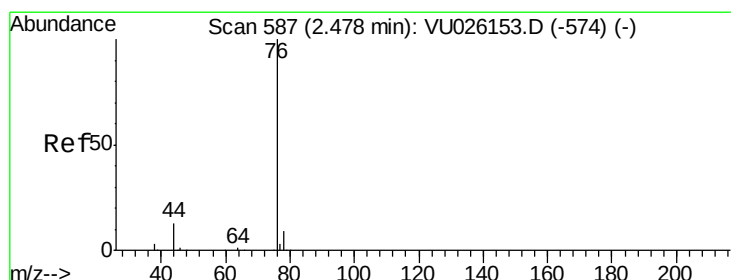
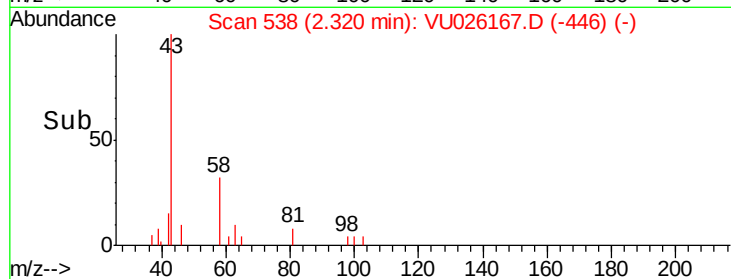
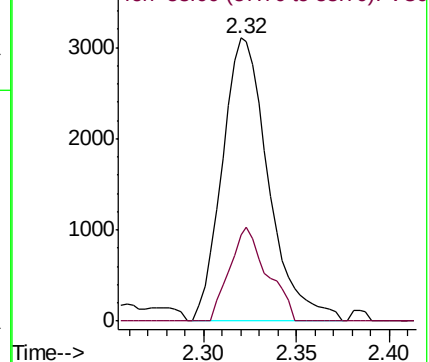
43 100

58 26.8 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: 2.350 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026167.D

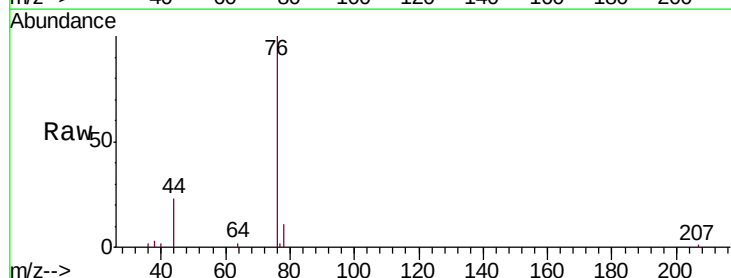
Acq: 16 Aug 2018 00:02

Tgt Ion: 76 Resp: 11995

Ion Ratio Lower Upper

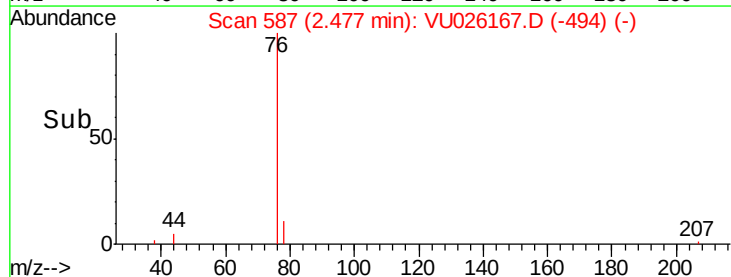
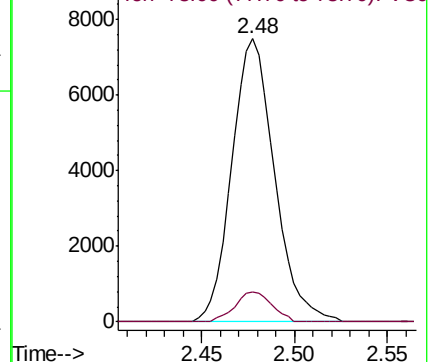
76 100

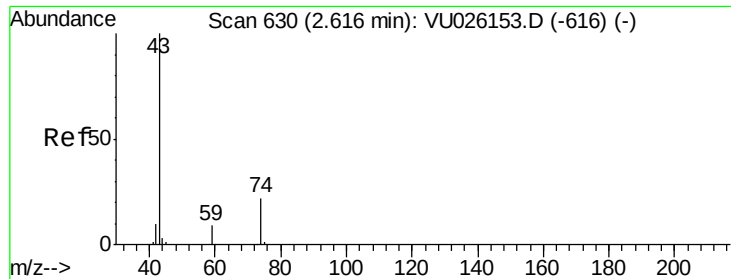
78 10.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

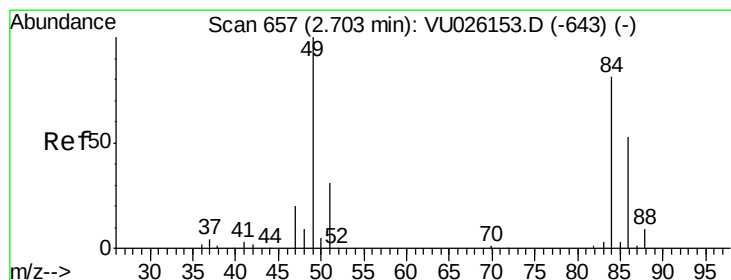
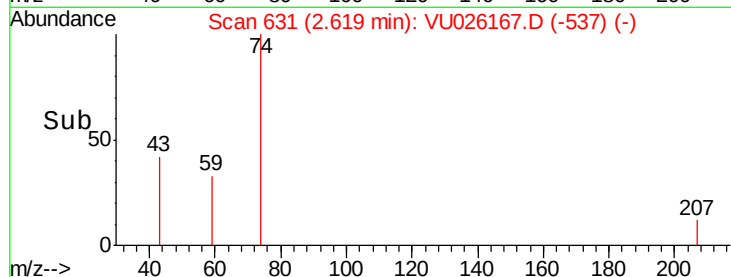
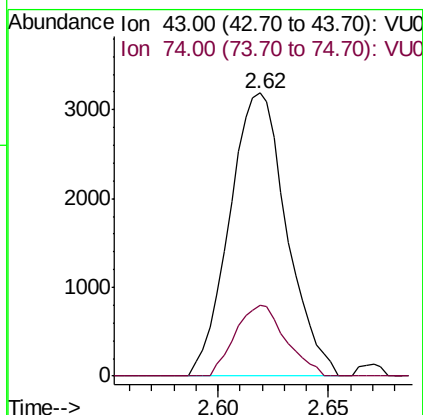
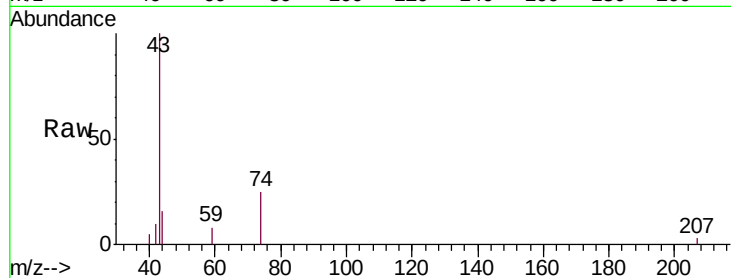




#15
Methyl Acetate
Concen: 2.881 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

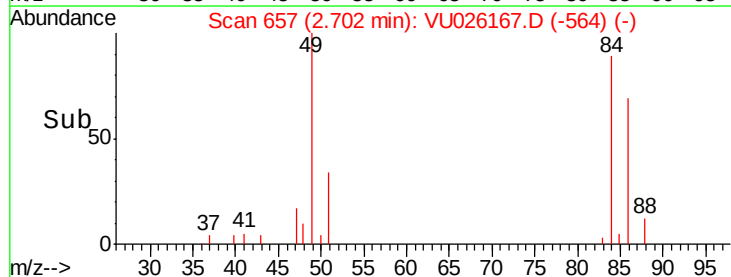
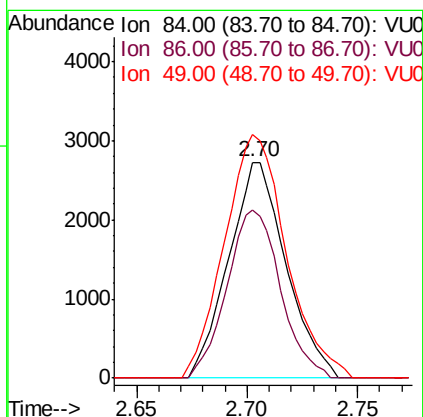
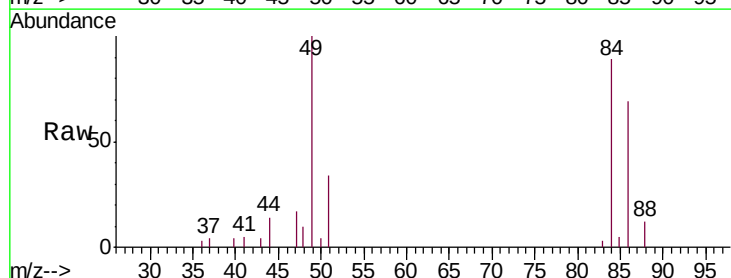
Instrument :
MSVOA_U
ClientSampleId :
MDL05

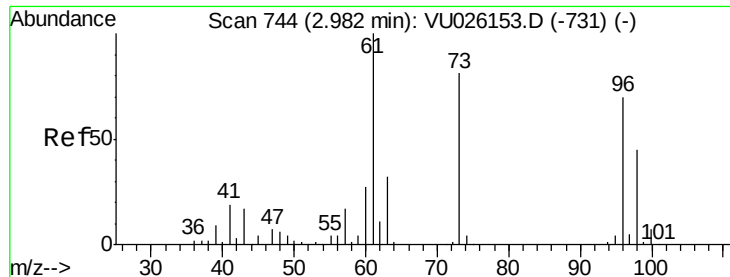
Tgt Ion: 43 Resp: 5738
Ion Ratio Lower Upper
43 100
74 22.0 18.6 28.0



#16
Methylene chloride
Concen: 2.495 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

Tgt Ion: 84 Resp: 4919
Ion Ratio Lower Upper
84 100
86 78.1 44.0 81.6
49 112.8 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 2.399 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

MDL05

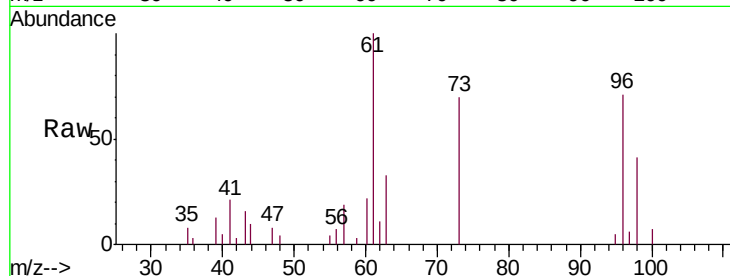
Tgt Ion: 96 Resp: 4189

Ion Ratio Lower Upper

96 100

61 140.1 96.7 179.5

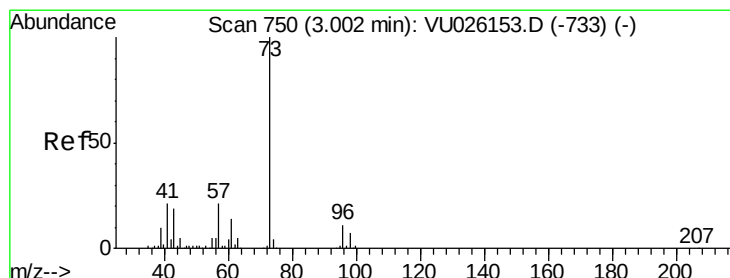
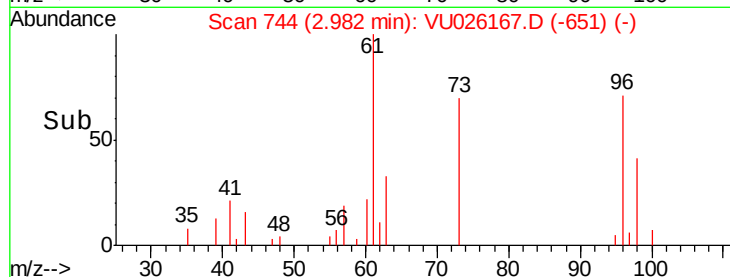
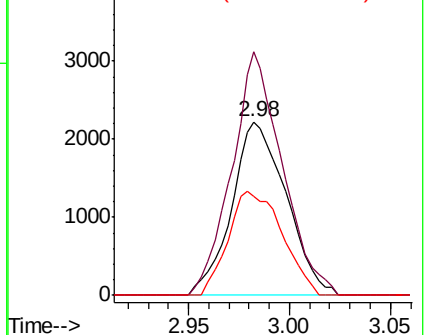
98 56.8 43.6 81.0



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: 2.290 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

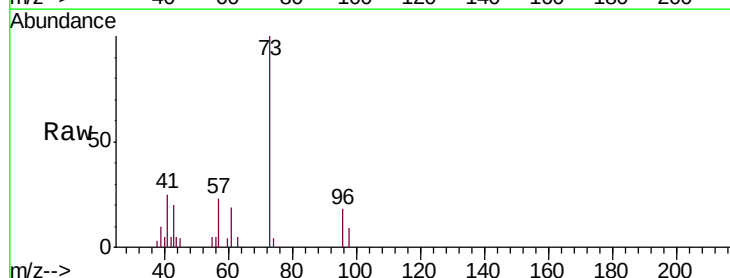
Tgt Ion: 73 Resp: 12691

Ion Ratio Lower Upper

73 100

43 19.6 16.2 24.4

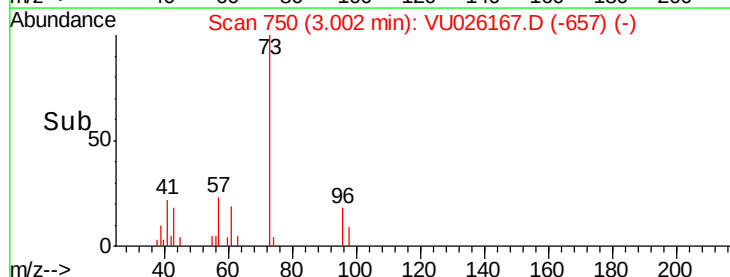
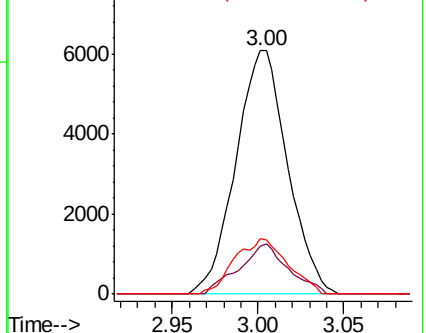
57 23.3 18.2 27.2

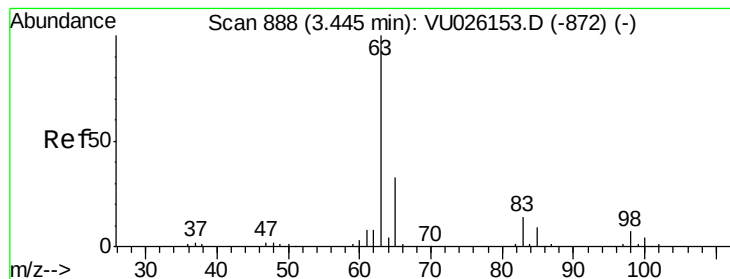


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 2.419 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

MDL05

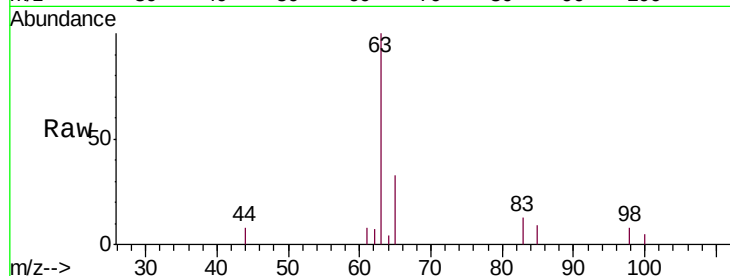
Tgt Ion: 63 Resp: 8129

Ion Ratio Lower Upper

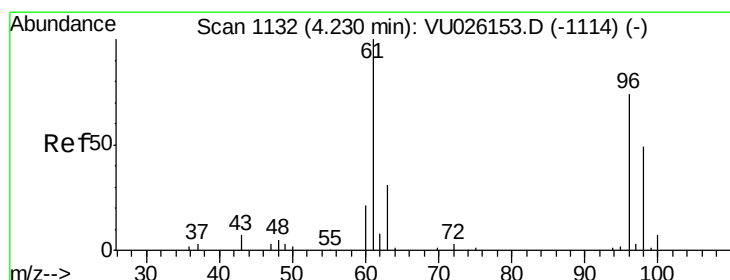
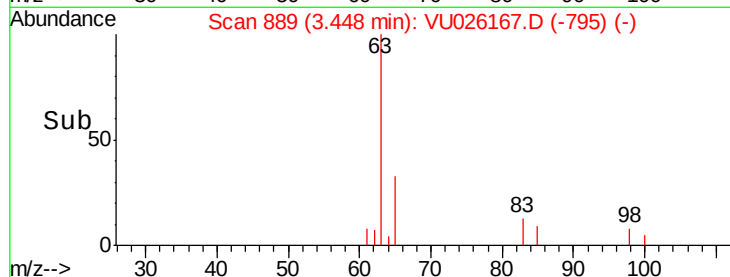
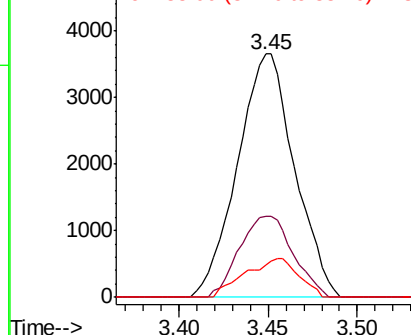
63 100

65 33.3 22.1 41.1

83 13.1 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 2.423 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

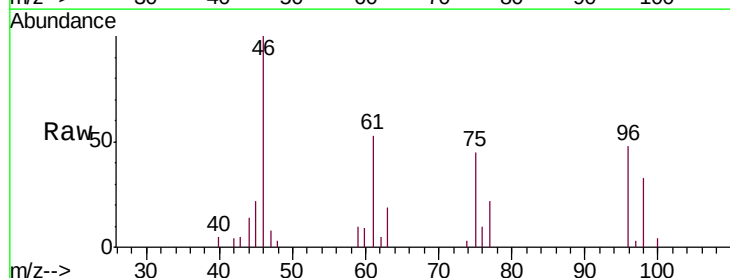
Tgt Ion: 96 Resp: 4743

Ion Ratio Lower Upper

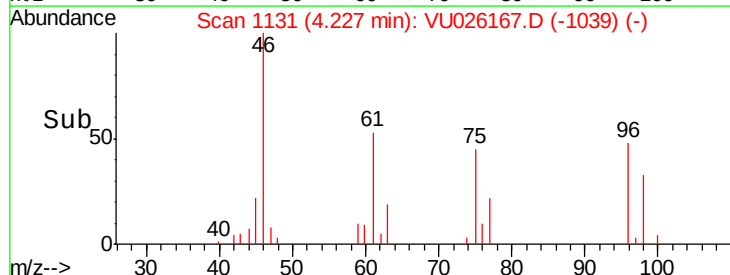
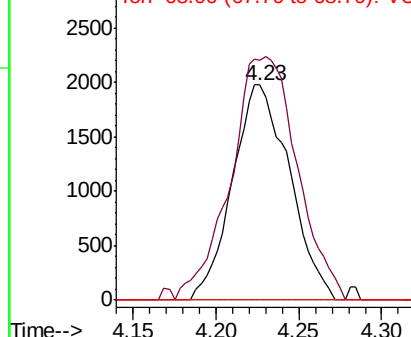
96 100

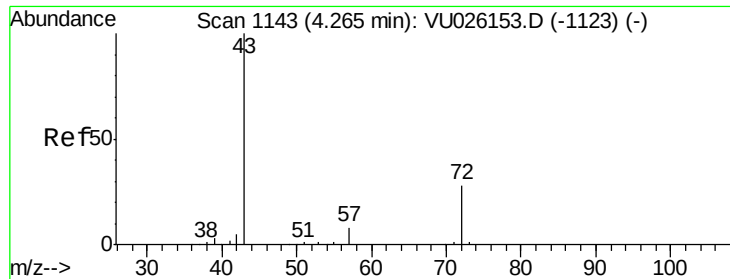
61 111.3 88.6 164.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 4.593 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

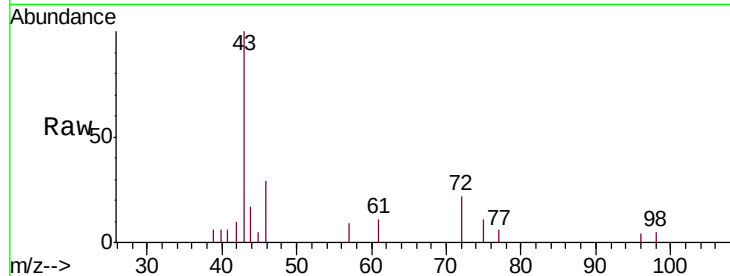
MDL05

Tgt Ion: 43 Resp: 6570

Ion Ratio Lower Upper

43 100

72 2.8 13.4 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VU026167.D (-1143) (-)

Ion 72.00 (71.70 to 72.70): VU026167.D (-1143) (-)

4.27

3000

2500

2000

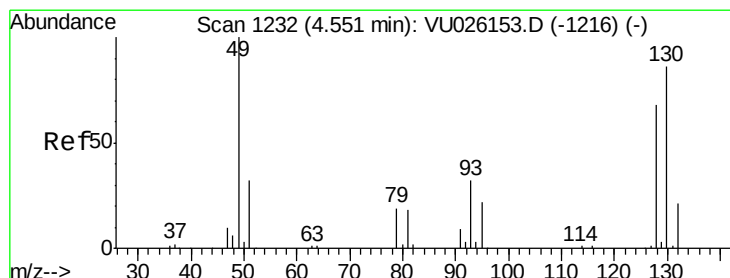
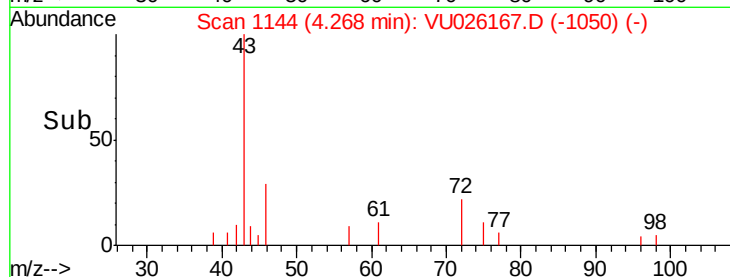
1500

1000

500

0

Time-->



#23

Bromochloromethane

Concen: 2.315 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Tgt Ion: 128 Resp: 2450

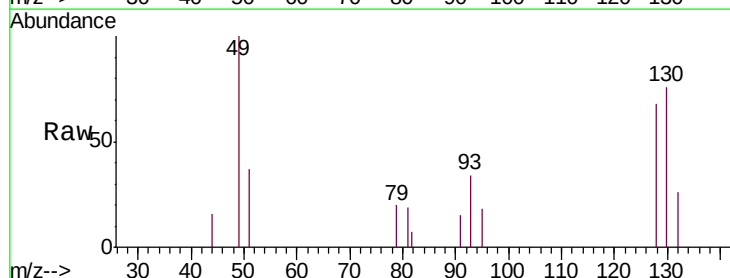
Ion Ratio Lower Upper

128 100

49 146.6 101.3 188.1

130 111.8 86.4 160.4

51 53.8 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VU026167.D (-1231) (-)

Ion 49.00 (48.70 to 49.70): VU026167.D (-1231) (-)

Ion 130.00 (129.70 to 130.70): VU026167.D (-1231) (-)

Ion 51.00 (50.70 to 51.70): VU026167.D (-1231) (-)

4.55

2500

2000

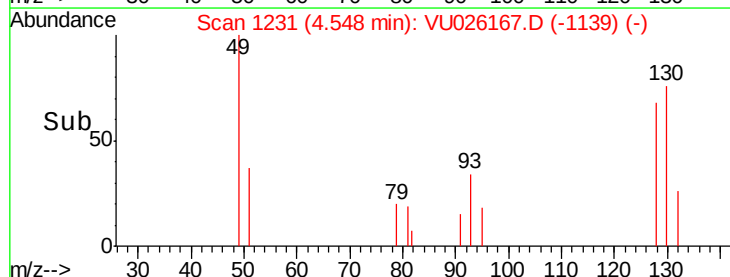
1500

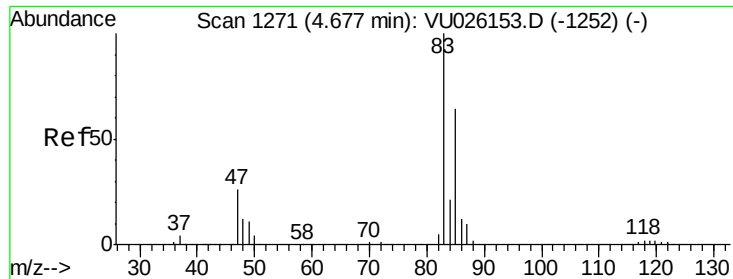
1000

500

0

Time-->

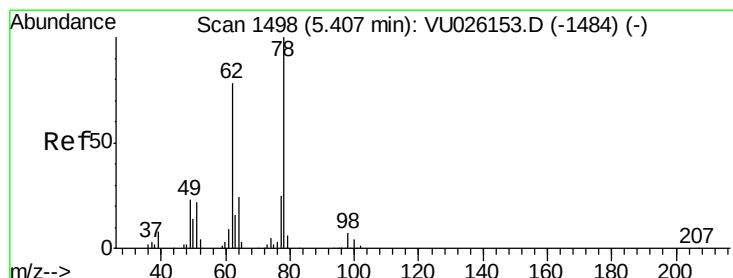
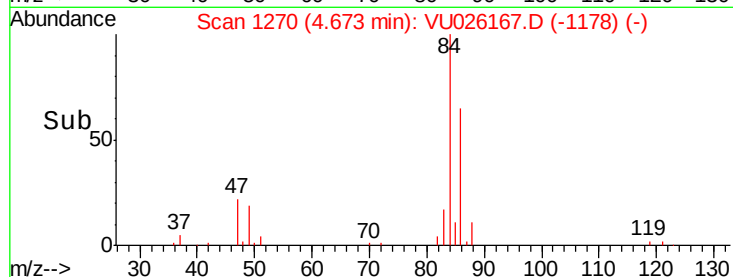
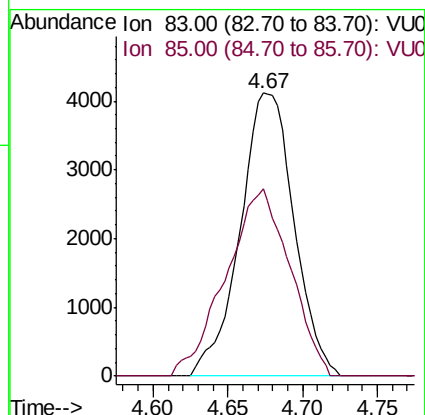
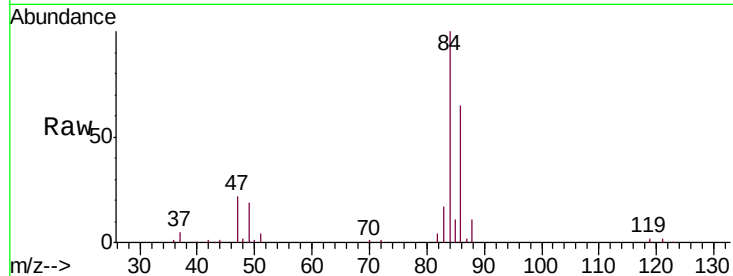




#25
Chloroform
Concen: 2.927 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

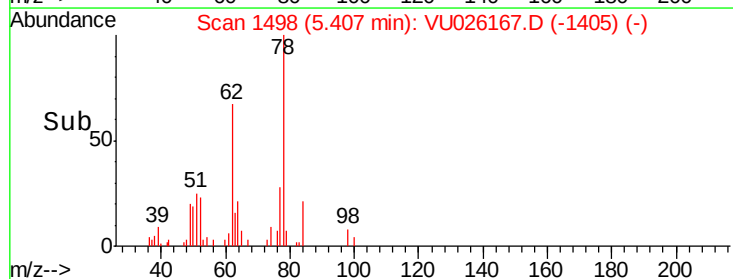
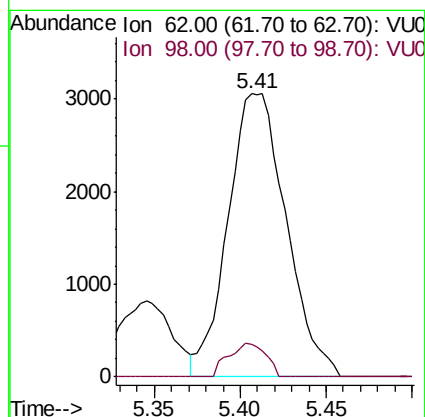
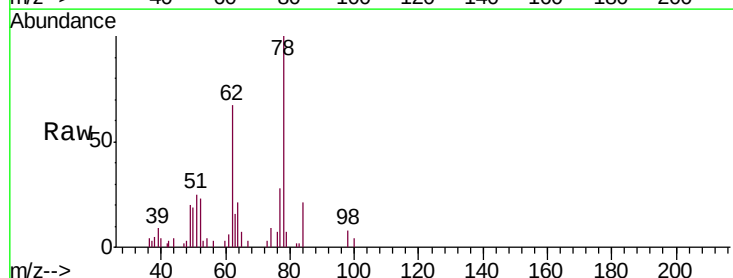
Instrument :
MSVOA_U
ClientSampleId :
MDL05

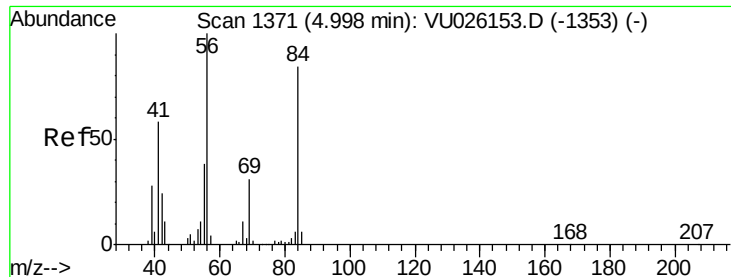
Tgt Ion: 83 Resp: 10329
Ion Ratio Lower Upper
83 100
85 66.1 46.3 86.1



#27
1,2-Dichloroethane
Concen: 2.527 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

Tgt Ion: 62 Resp: 7210
Ion Ratio Lower Upper
62 100
98 11.4 7.0 10.4#

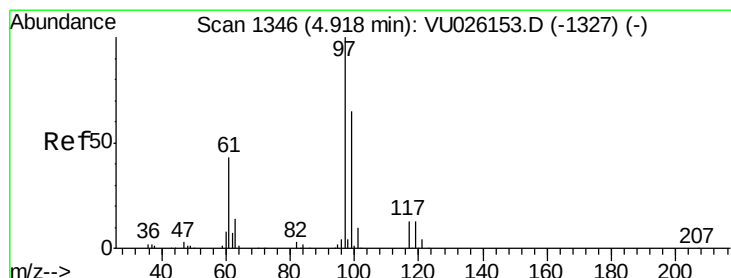
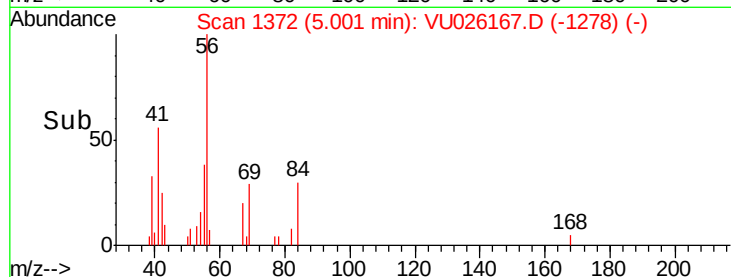
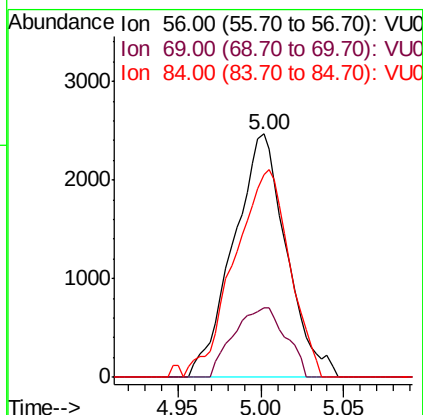
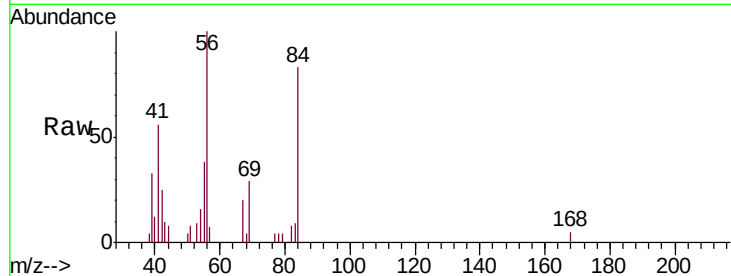




#29
Cyclohexane
Concen: 2.095 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

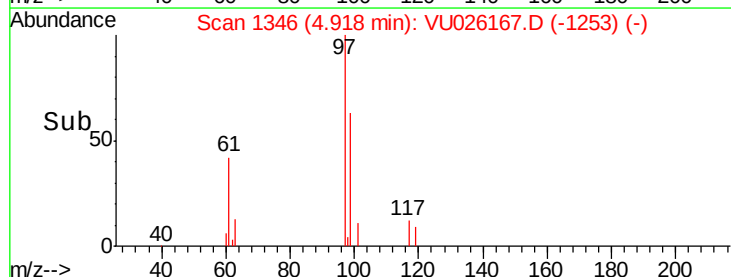
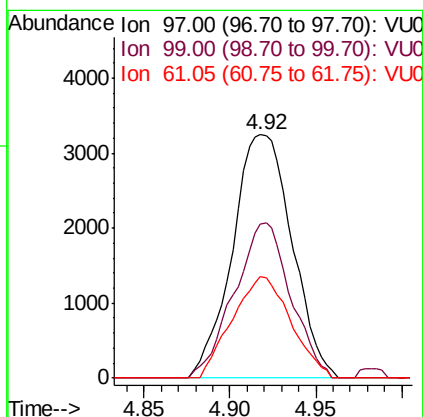
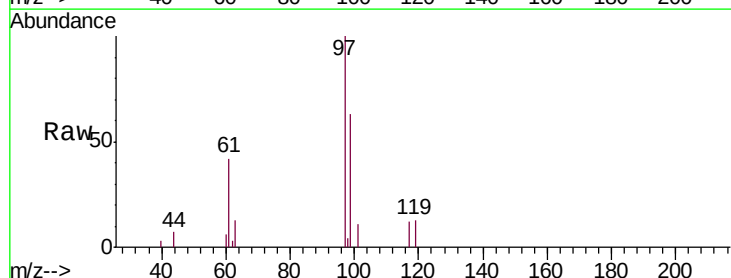
Instrument :
MSVOA_U
ClientSampleId :
MDL05

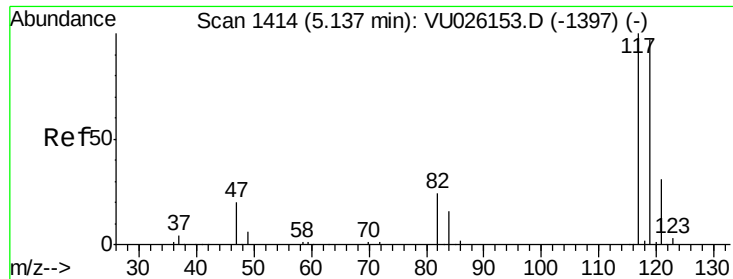
Tgt Ion: 56 Resp: 5473
Ion Ratio Lower Upper
56 100
69 28.0 24.1 36.1
84 89.1 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 2.494 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

Tgt Ion: 97 Resp: 7793
Ion Ratio Lower Upper
97 100
99 60.6 52.2 78.2
61 41.1 35.4 53.0

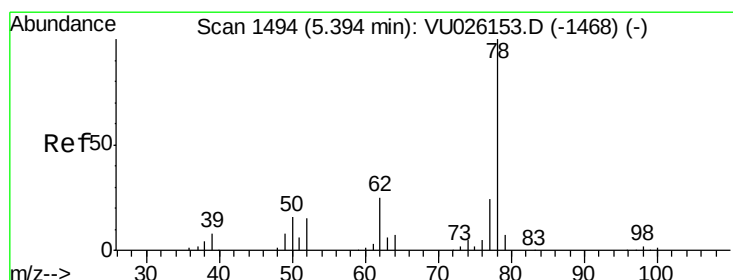
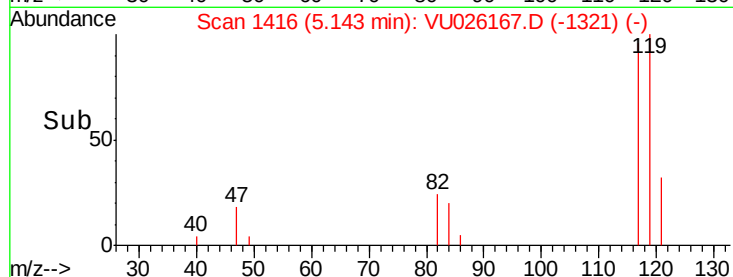
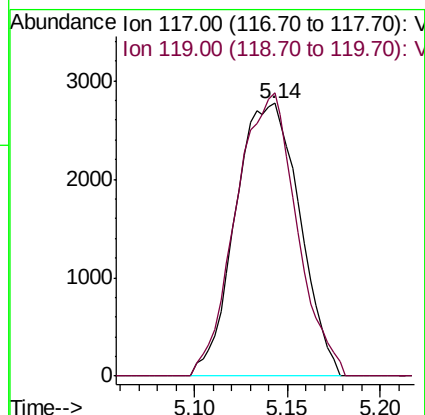
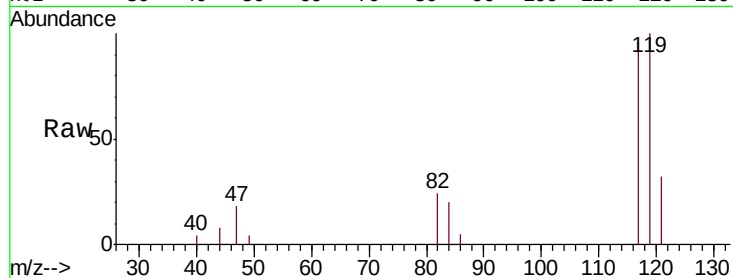




#31
Carbon tetrachloride
Concen: 2.357 ug/L
RT: 5.14 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

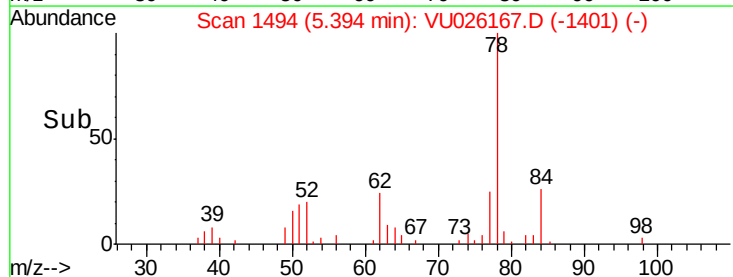
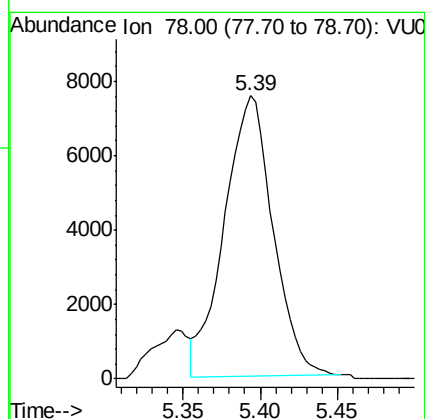
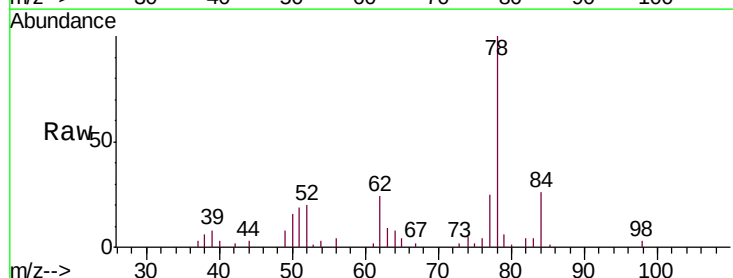
Instrument :
MSVOA_U
ClientSampleId :
MDL05

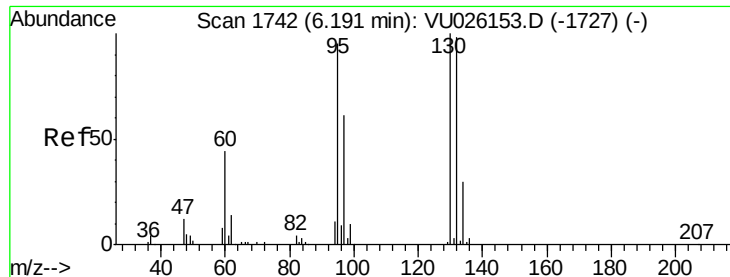
Tgt Ion: 117 Resp: 6671
Ion Ratio Lower Upper
117 100
119 98.1 77.4 116.2



#33
Benzene
Concen: 2.339 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

Tgt Ion: 78 Resp: 16562

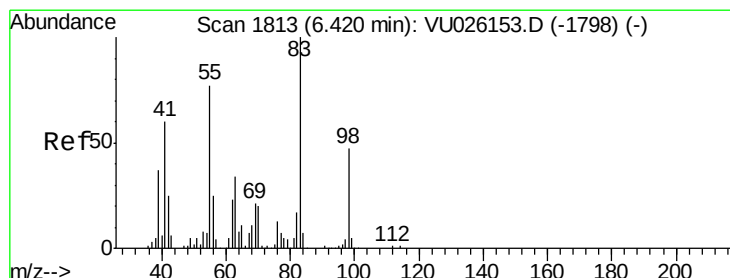
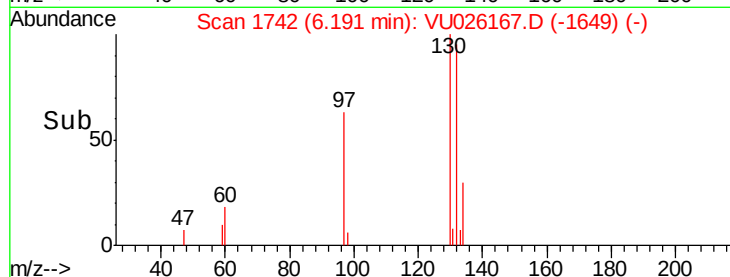
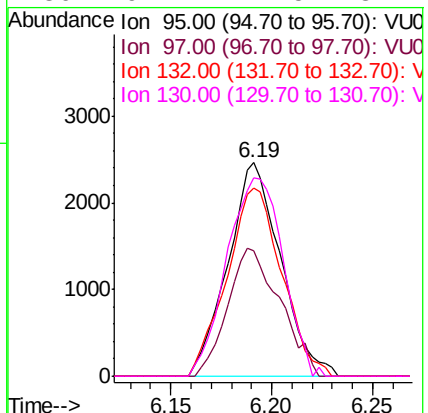
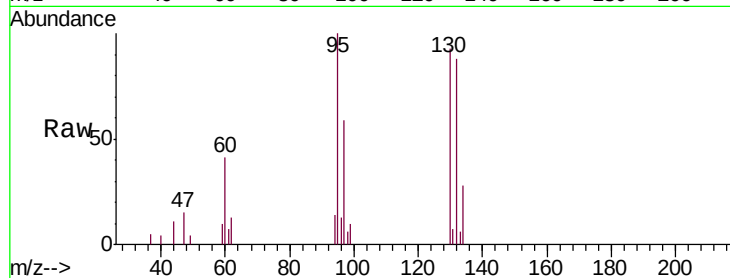




#34
 Trichloroethene
 Concen: 2.433 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

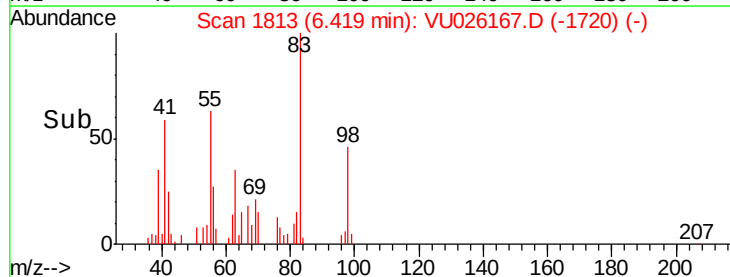
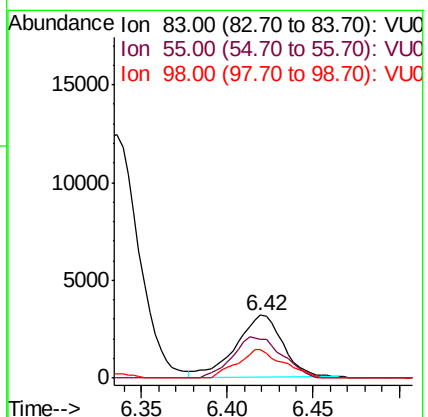
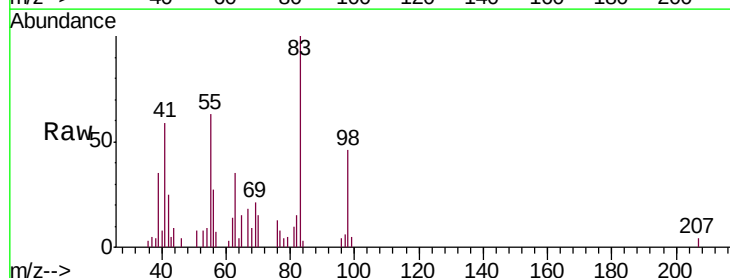
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

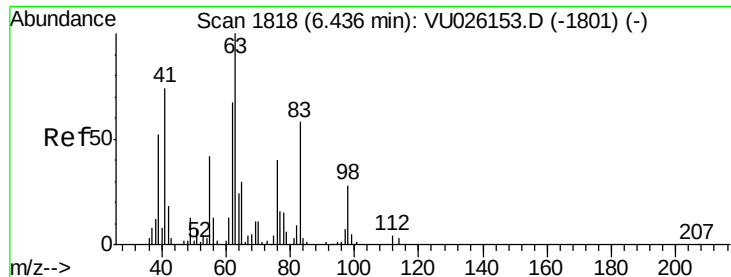
Tgt Ion:	95	Resp:	4487
Ion	Ratio	Lower	Upper
95	100		
97	58.5	45.7	84.9
132	88.1	68.8	127.8
130	92.7	71.5	132.7



#35
 Methylcyclohexane
 Concen: 2.136 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

Tgt Ion:	83	Resp:	5915
Ion	Ratio	Lower	Upper
83	100		
55	70.8	61.0	91.6
98	45.8	37.6	56.4

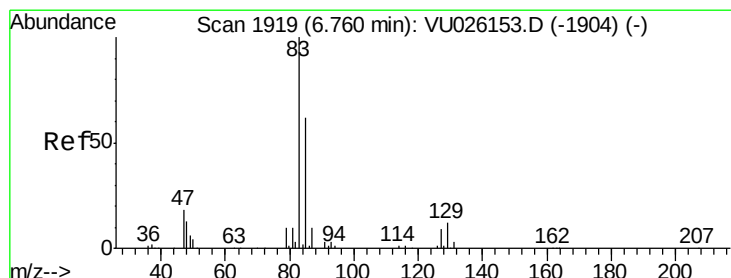
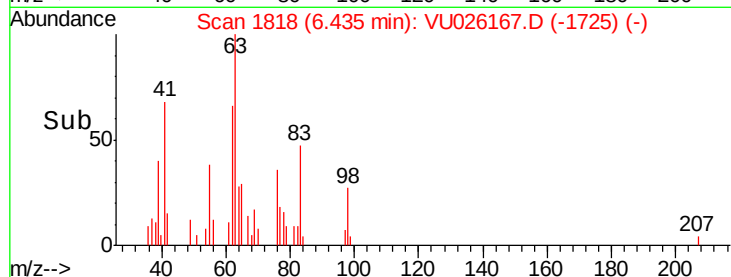
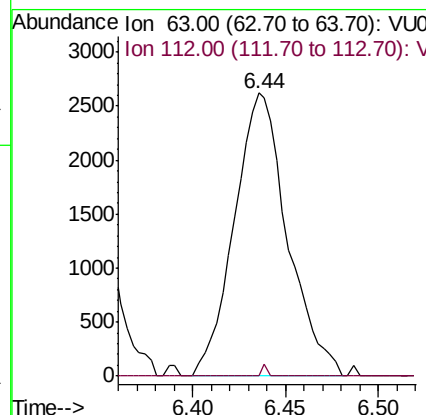
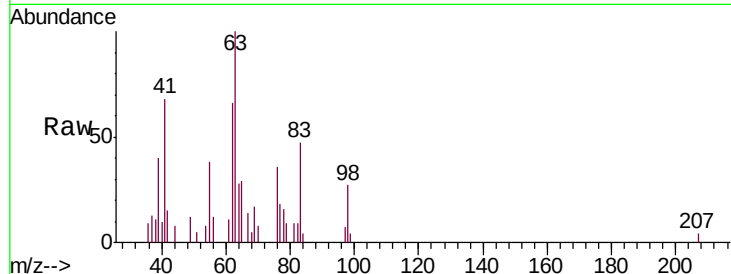




#37
 1,2-Dichloropropane
 Concen: 2.639 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

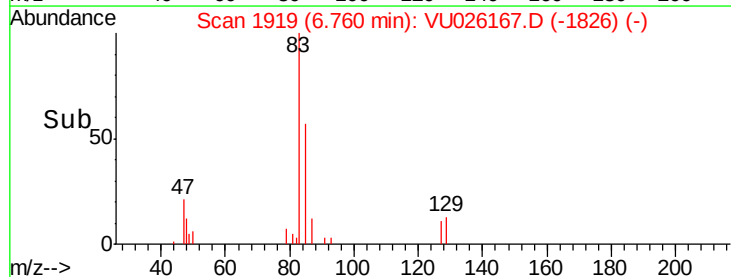
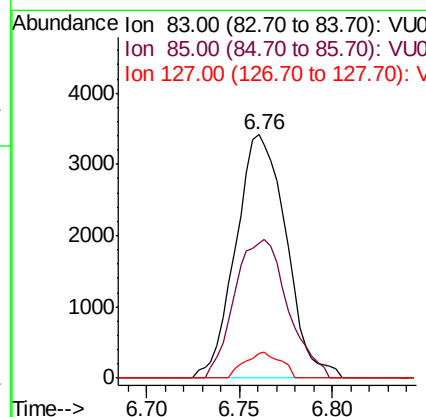
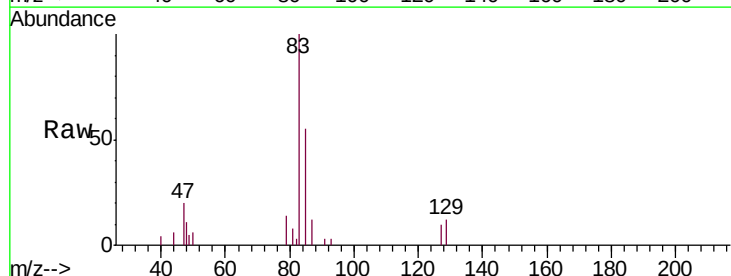
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

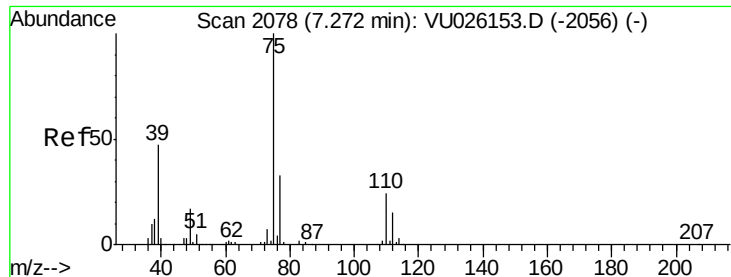
Tgt Ion: 63 Resp: 5218
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 2.468 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

Tgt Ion: 83 Resp: 6461
 Ion Ratio Lower Upper
 83 100
 85 55.1 46.0 85.4
 127 10.2 7.5 11.3

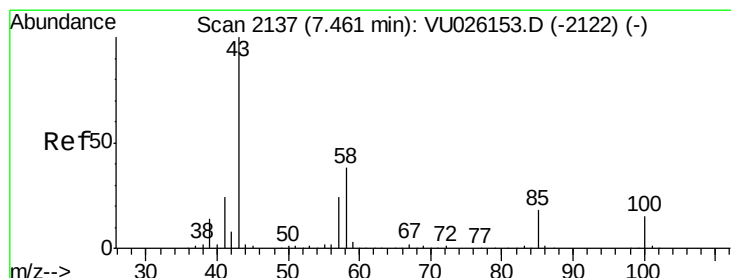
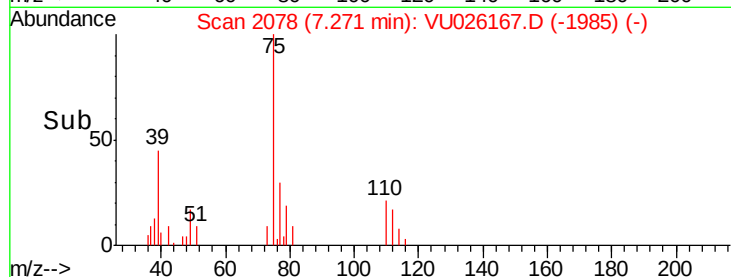
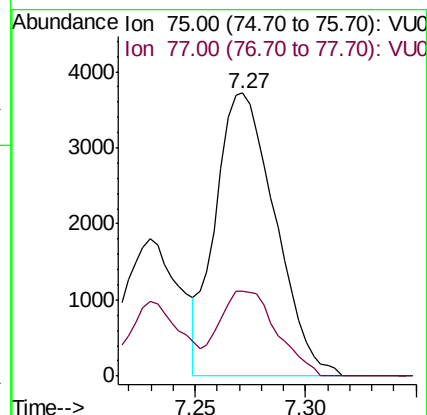
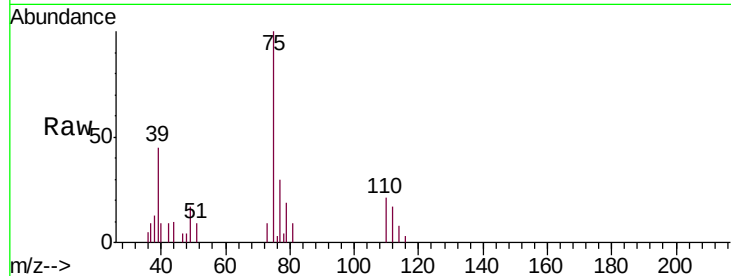




#39
 cis-1,3-Dichloropropene
 Concen: 2.381 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

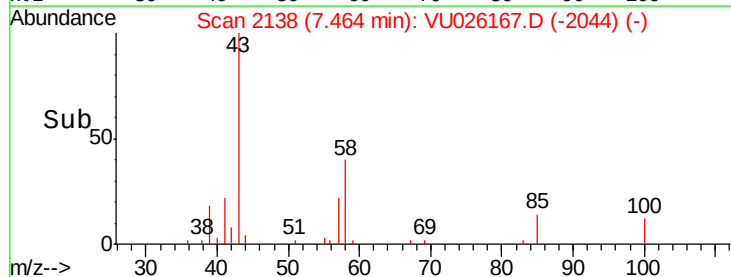
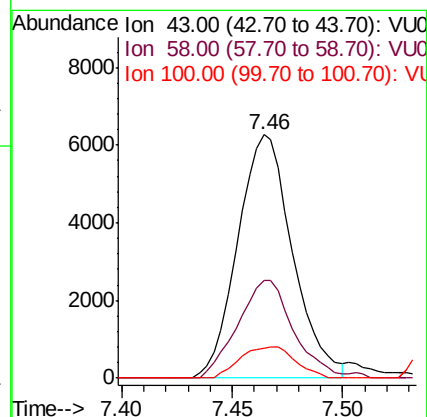
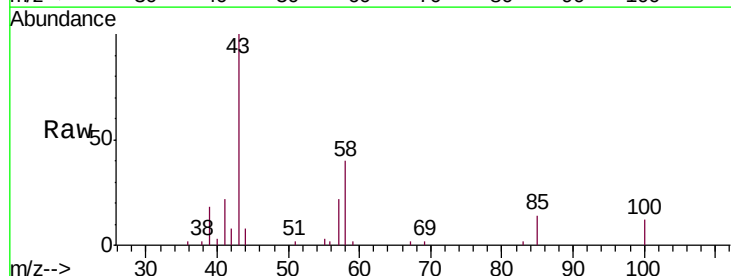
Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

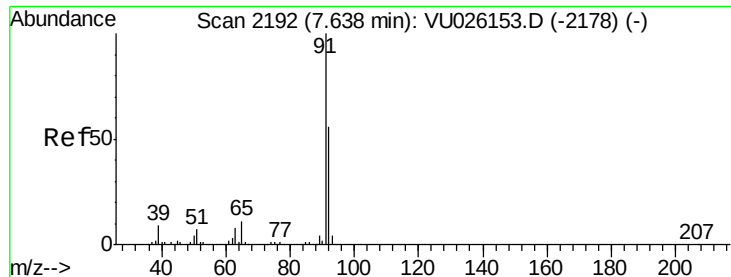
Tgt Ion: 75 Resp: 6990
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 4.401 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

Tgt Ion: 43 Resp: 10796
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.8 47.8
 100 12.8 12.2 18.2





#42

Toluene

Concen: 2.251 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

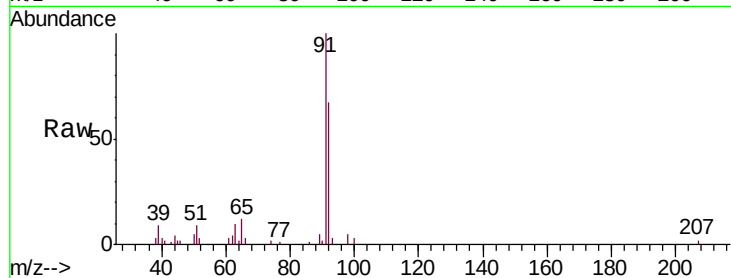
MDL05

Tgt Ion: 91 Resp: 16928

Ion Ratio Lower Upper

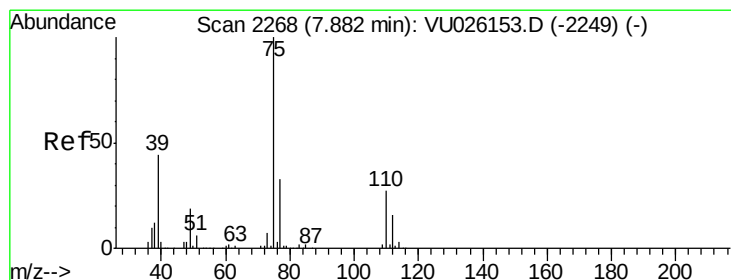
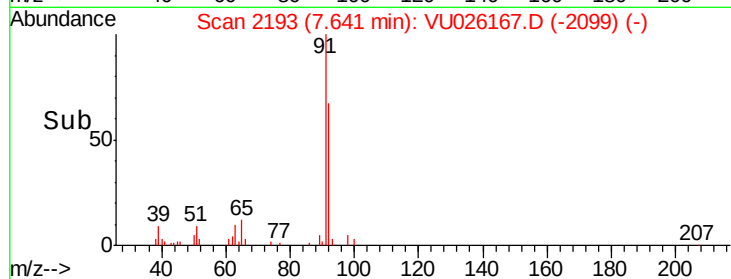
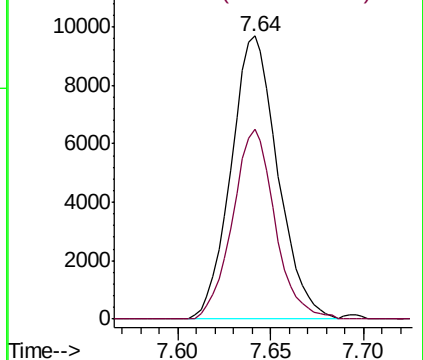
91 100

92 66.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 2.897 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026167.D

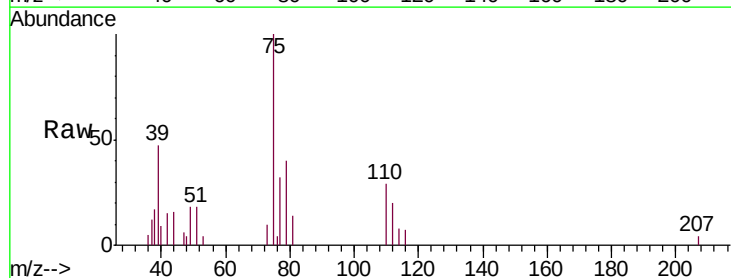
Acq: 16 Aug 2018 00:02

Tgt Ion: 75 Resp: 8195

Ion Ratio Lower Upper

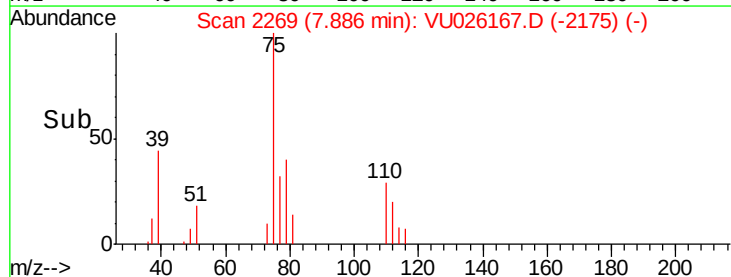
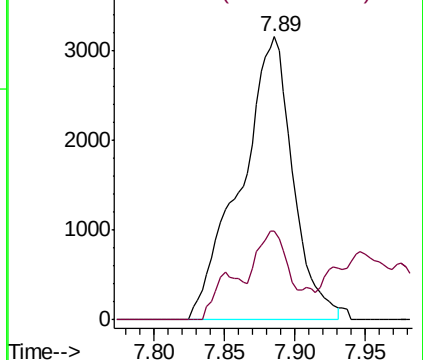
75 100

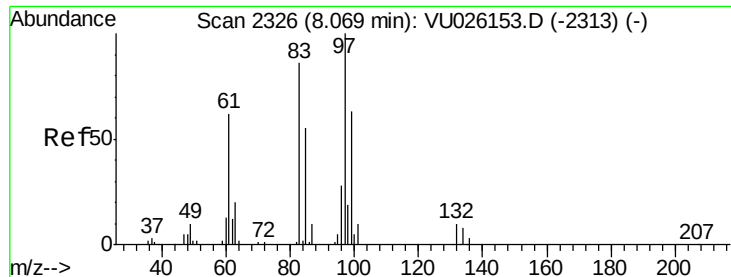
77 31.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

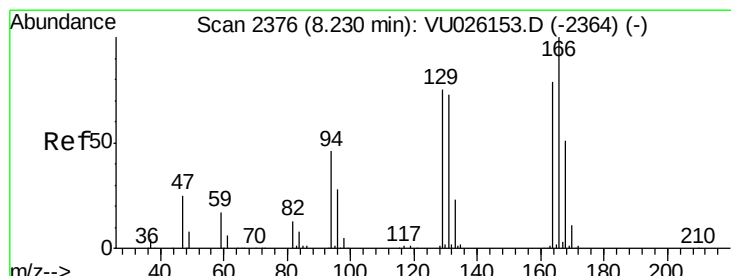
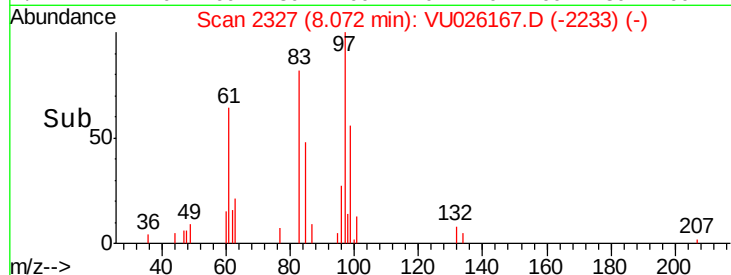
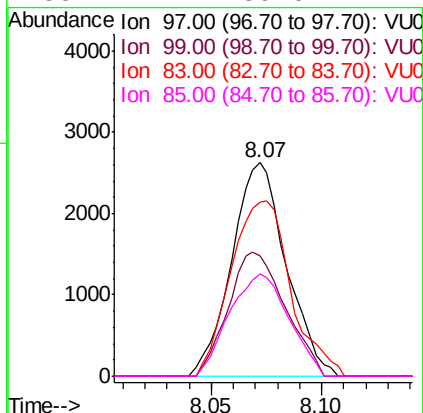
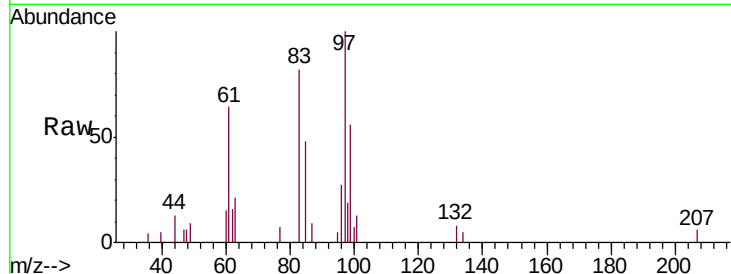




#45
 1,1,2-Trichloroethane
 Concen: 2.413 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

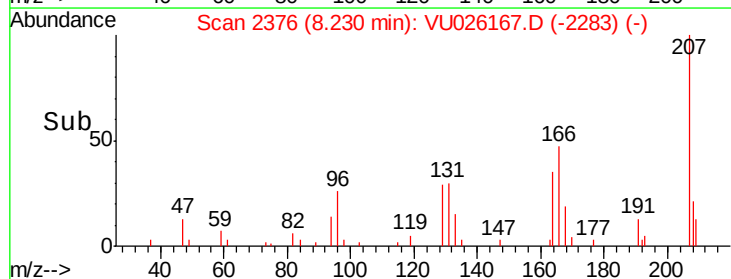
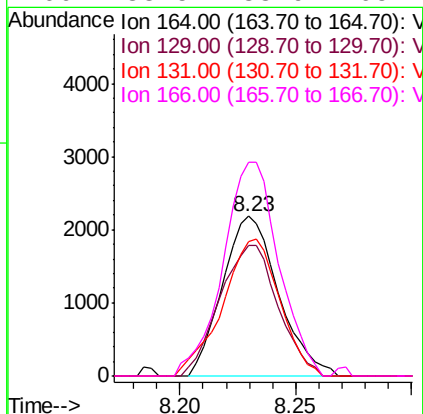
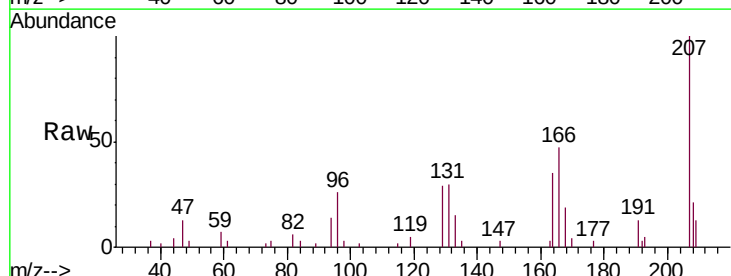
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

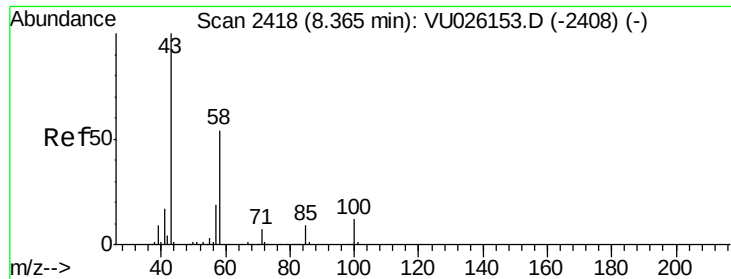
Tgt Ion:	97	Resp:	4524
Ion	Ratio	Lower	Upper
97	100		
99	56.5	43.3	80.5
83	81.7	58.4	108.6
85	47.7	39.0	72.4



#46
 Tetrachloroethene
 Concen: 2.318 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

Tgt Ion:	164	Resp:	3688
Ion	Ratio	Lower	Upper
164	100		
129	81.3	65.7	121.9
131	84.3	62.0	115.2
166	133.5	88.9	165.1

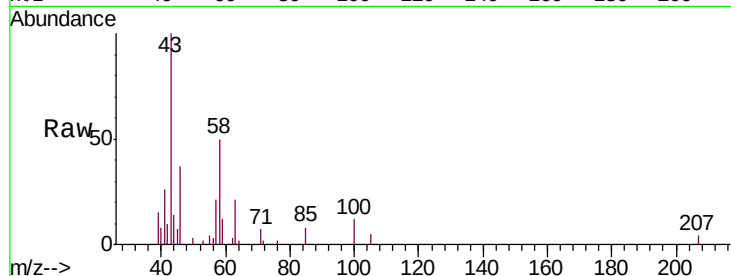




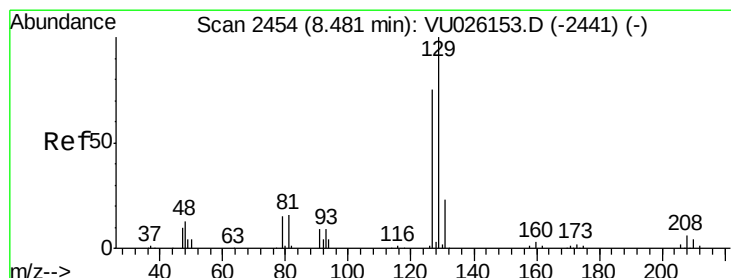
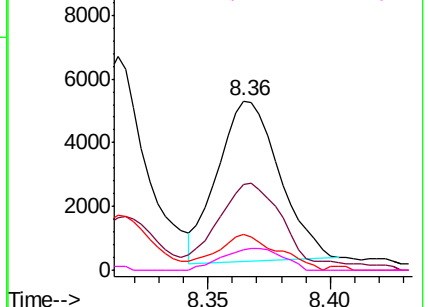
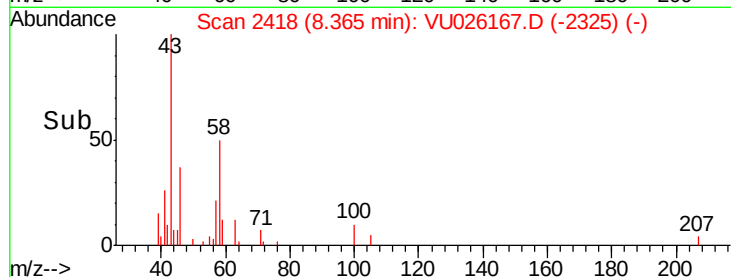
#48
2-Hexanone
Concen: 4.597 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:	43	Resp:	8835
Ion	Ratio	Lower	Upper
43	100		
58	48.6	42.9	64.3
57	22.8	15.1	22.7#
100	13.3	9.2	13.8

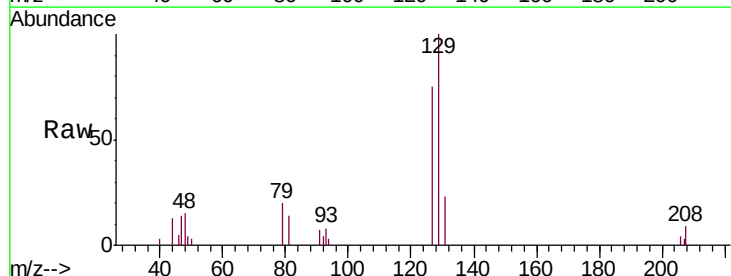


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

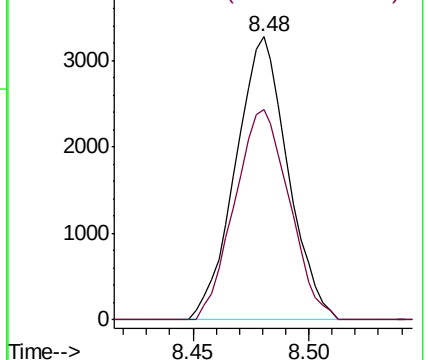
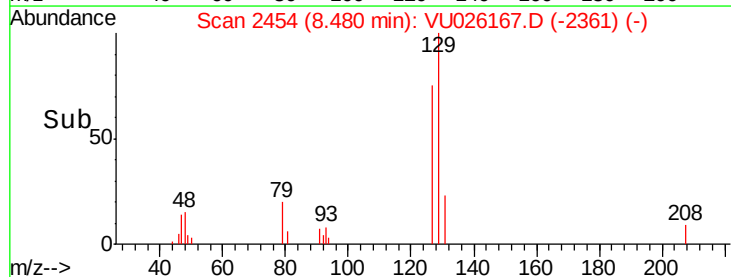


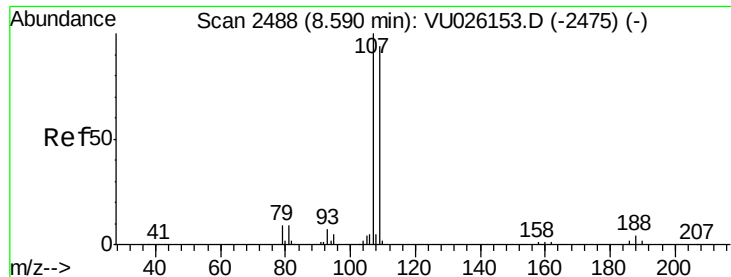
#49
Dibromochloromethane
Concen: 2.277 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

Tgt Ion:	129	Resp:	5141
Ion	Ratio	Lower	Upper
129	100		
127	74.5	54.6	101.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

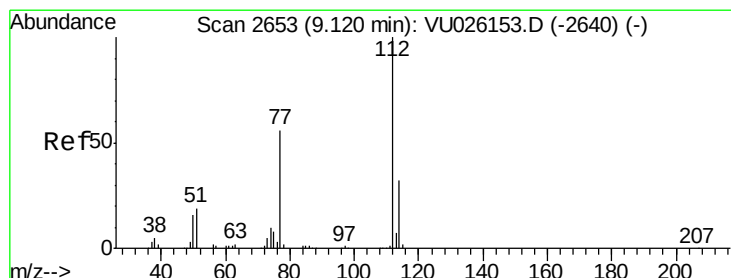
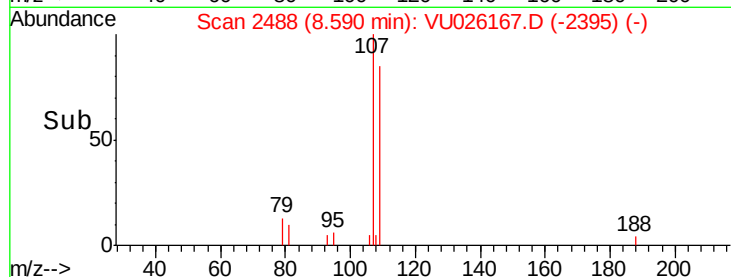
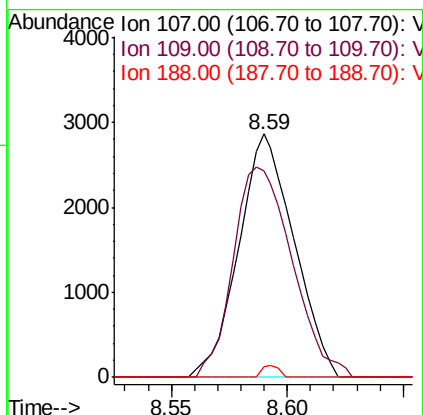
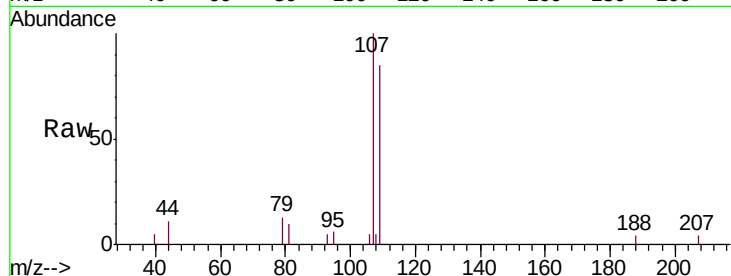




#50
 1,2-Dibromoethane
 Concen: 2.439 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

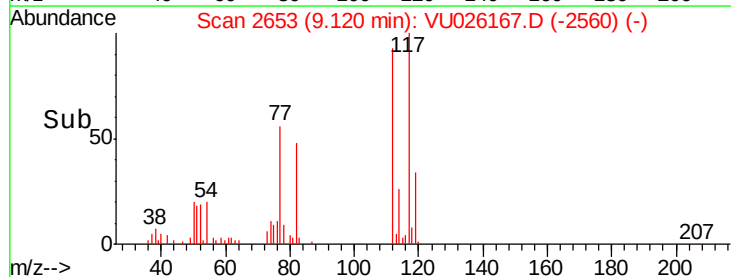
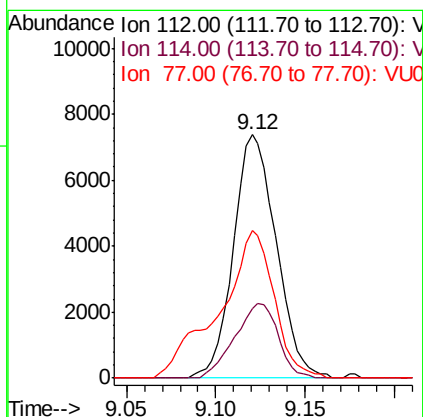
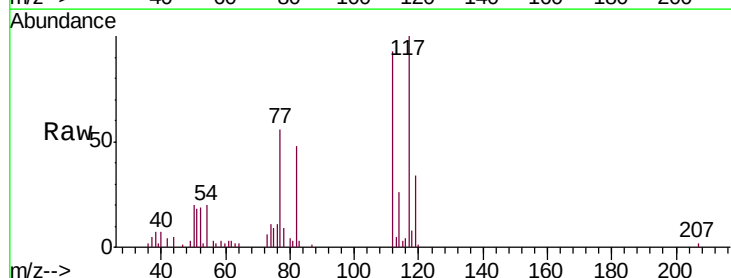
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

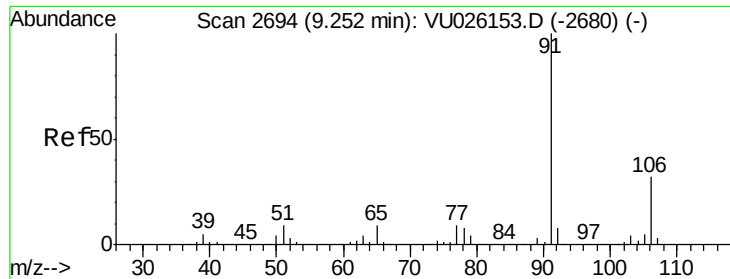
Tgt Ion:107 Resp: 4748
 Ion Ratio Lower Upper
 107 100
 109 84.9 66.1 122.7
 188 4.5 3.2 4.8



#51
 Chlorobenzene
 Concen: 2.403 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

Tgt Ion:112 Resp: 12350
 Ion Ratio Lower Upper
 112 100
 114 28.3 22.5 41.9
 77 60.9 45.0 67.4





#52

Ethylbenzene

Concen: 1.952 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

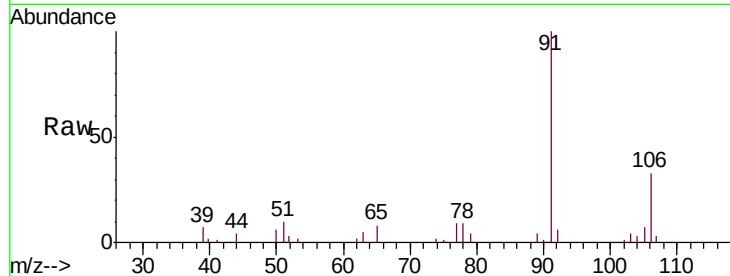
MDL05

Tgt Ion: 91 Resp: 15993

Ion Ratio Lower Upper

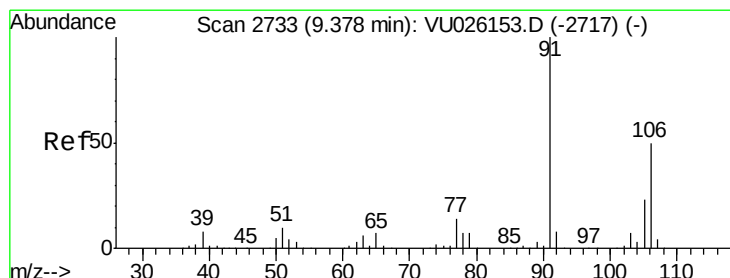
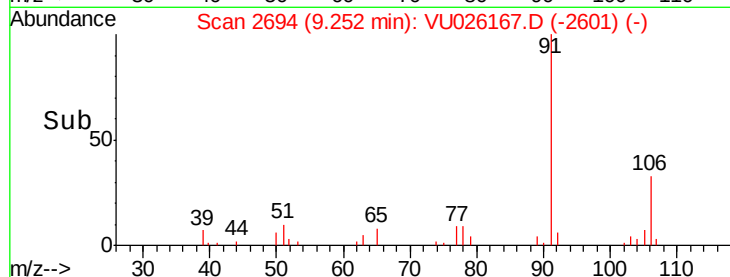
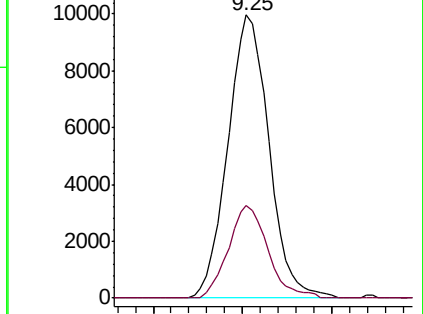
91 100

106 32.6 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026167.D (-2640) (-)

Ion 106.00 (105.70 to 106.70): VU026167.D (-2640) (-)



#53

m,p-Xylene

Concen: 2.017 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU026167.D

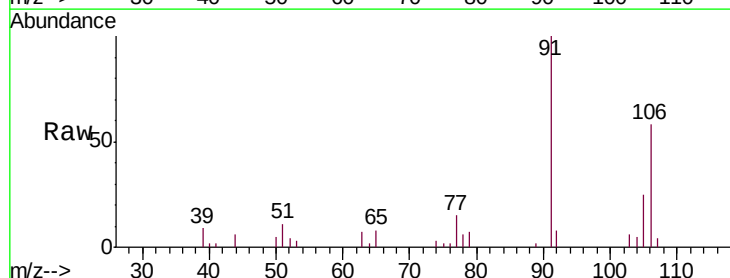
Acq: 16 Aug 2018 00:02

Tgt Ion: 106 Resp: 6366

Ion Ratio Lower Upper

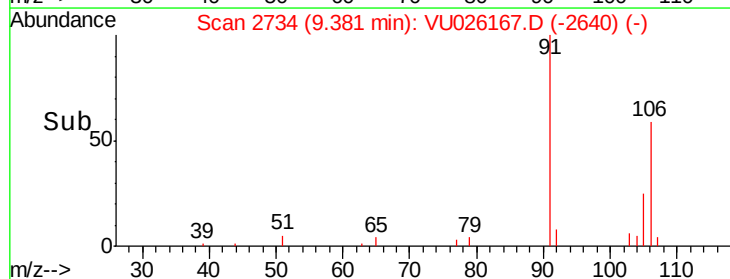
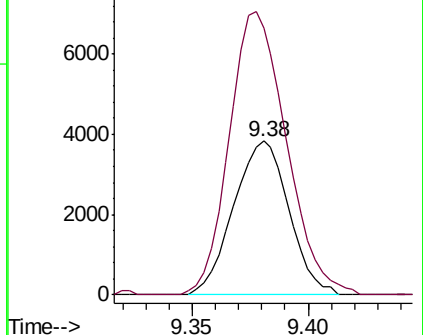
106 100

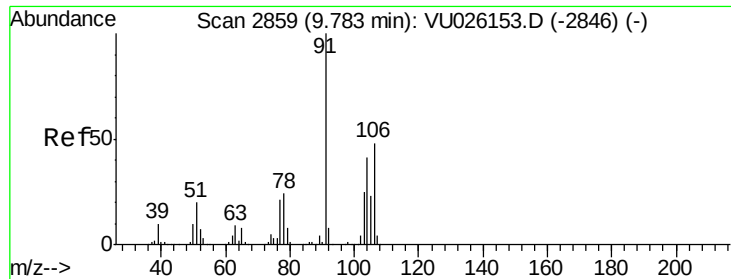
91 173.4 139.2 258.4



Abundance Ion 106.00 (105.70 to 106.70): VU026167.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU026167.D (-2640) (-)





#54

o-xylene

Concen: 1.846 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

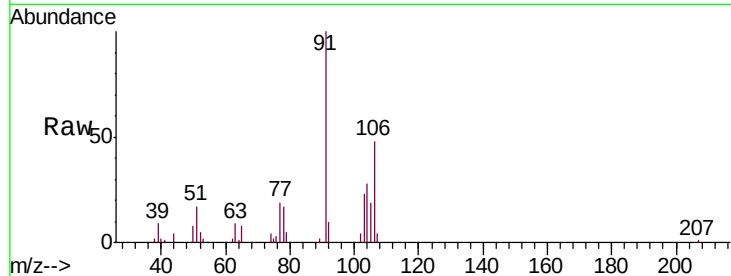
MDL05

Tgt Ion:106 Resp: 5815

Ion Ratio Lower Upper

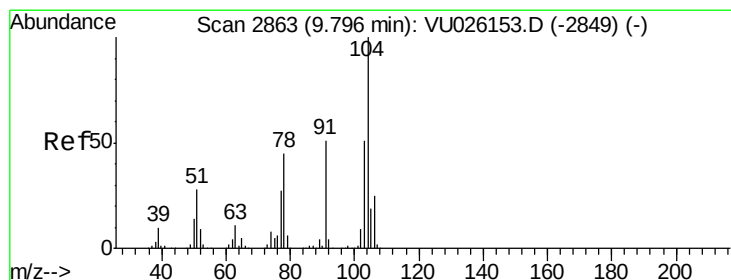
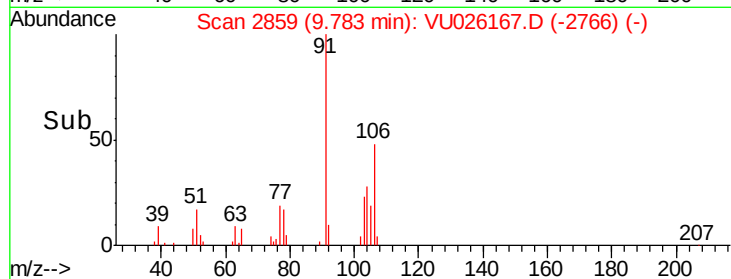
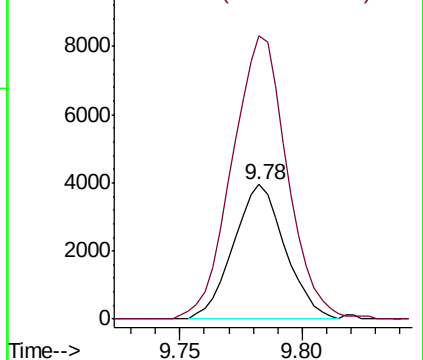
106 100

91 210.4 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.793 ug/L

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU026167.D

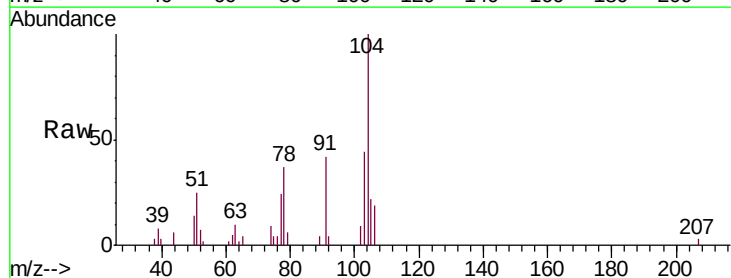
Acq: 16 Aug 2018 00:02

Tgt Ion:104 Resp: 9402

Ion Ratio Lower Upper

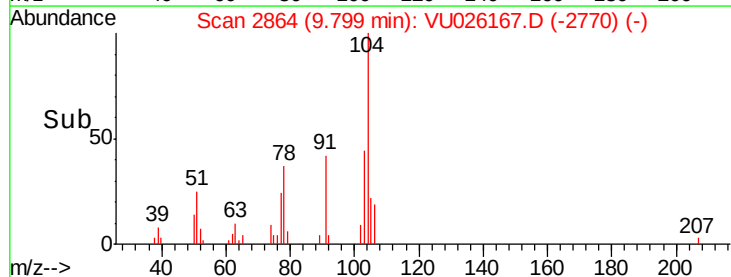
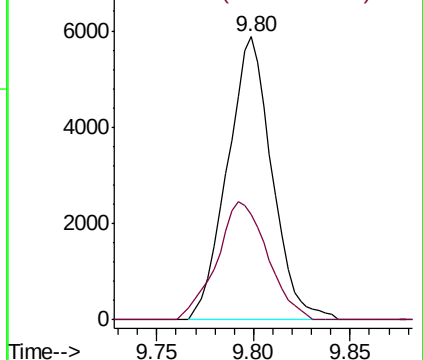
104 100

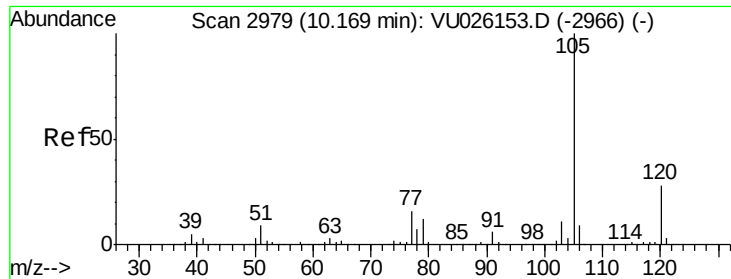
78 37.2 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.819 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

MDL05

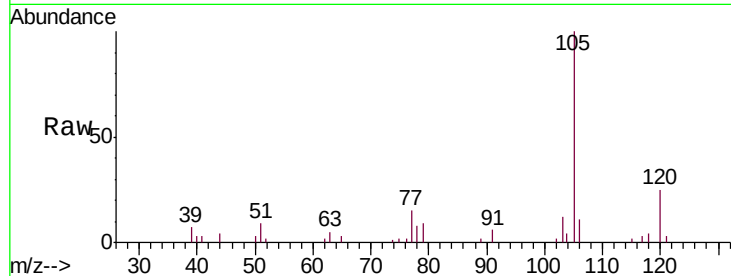
Tgt Ion:105 Resp: 14707

Ion Ratio Lower Upper

105 100

120 24.7 21.5 32.3

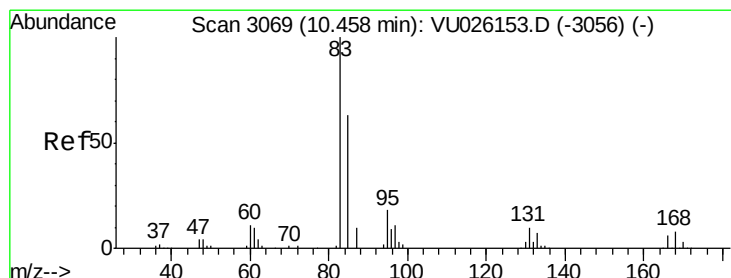
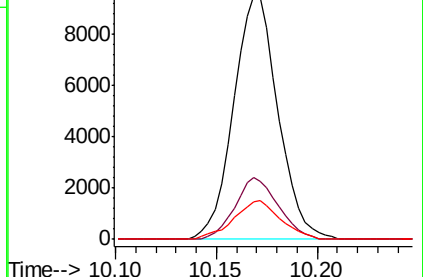
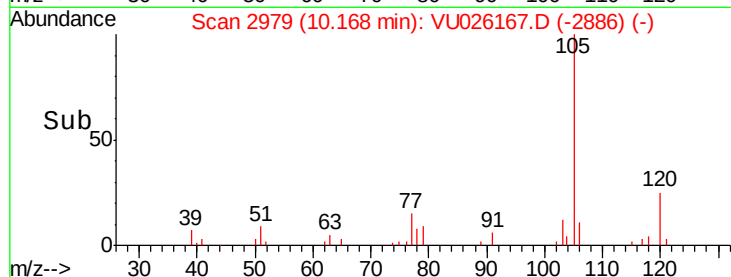
77 16.7 12.3 18.5



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.681 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

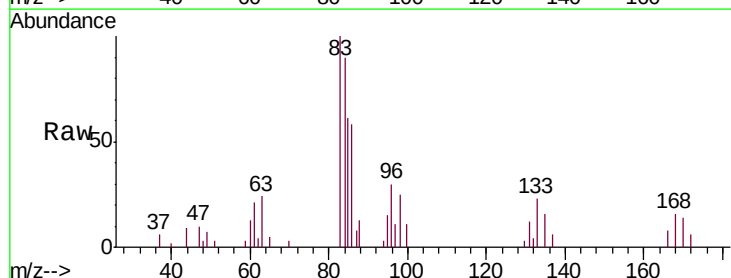
Tgt Ion: 83 Resp: 8393

Ion Ratio Lower Upper

83 100

85 60.9 45.0 83.6

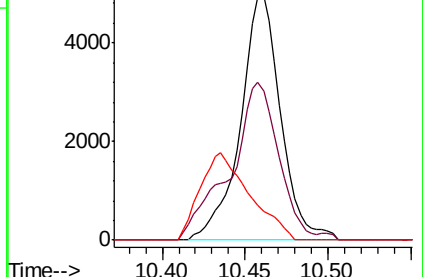
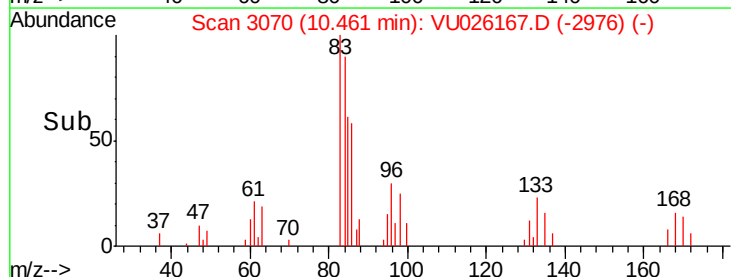
131 11.9 8.4 12.6

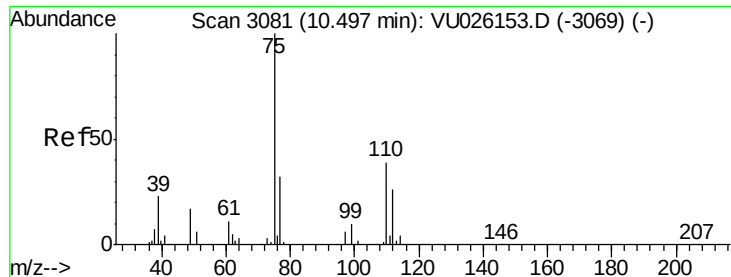


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

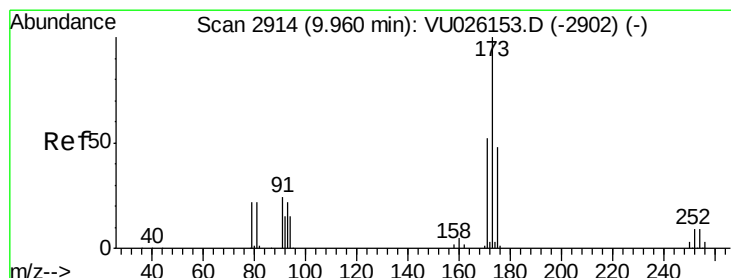
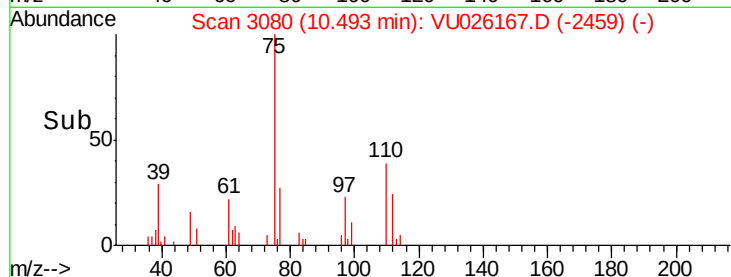
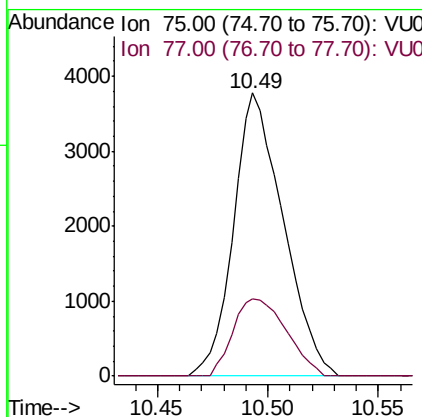
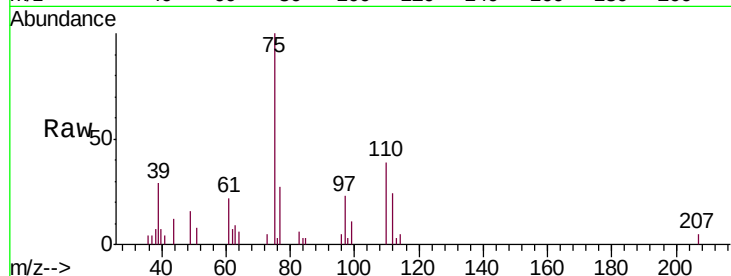




#59
1,2,3-Trichloropropane
Concen: 2.421 ug/L
RT: 10.49 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

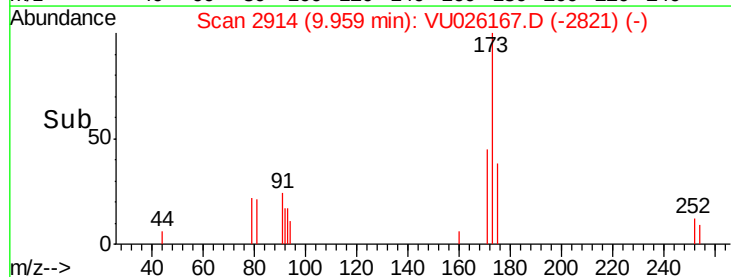
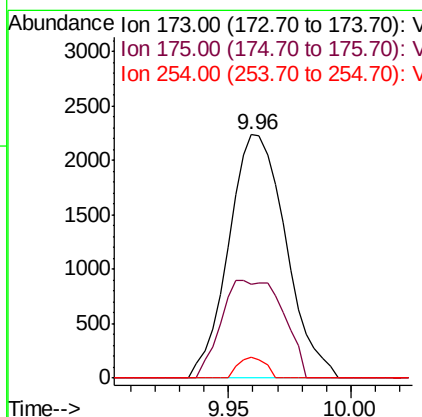
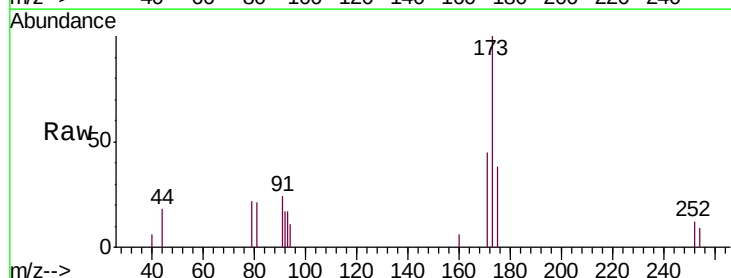
Instrument :
MSVOA_U
ClientSampleId :
MDL05

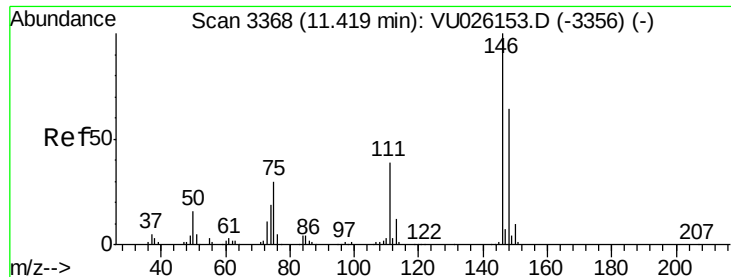
Tgt Ion: 75 Resp: 5897
Ion Ratio Lower Upper
75 100
77 29.3 26.1 39.1



#61
Bromoform
Concen: 2.529 ug/L
RT: 9.96 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VU026167.D
Acq: 16 Aug 2018 00:02

Tgt Ion: 173 Resp: 3638
Ion Ratio Lower Upper
173 100
175 23.1 38.8 58.2#
254 4.1 7.3 10.9#





#62

1,3-Dichlorobenzene

Concen: 2.225 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

MDL05

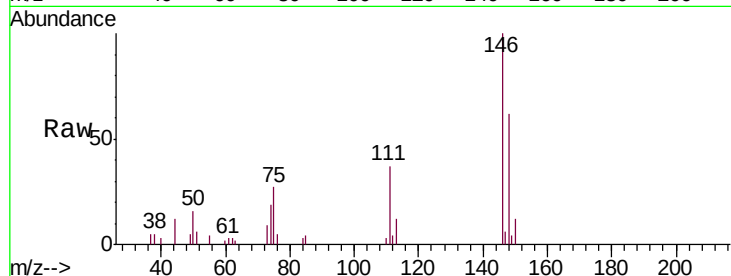
Tgt Ion:146 Resp: 7335

Ion Ratio Lower Upper

146 100

111 37.4 26.7 49.7

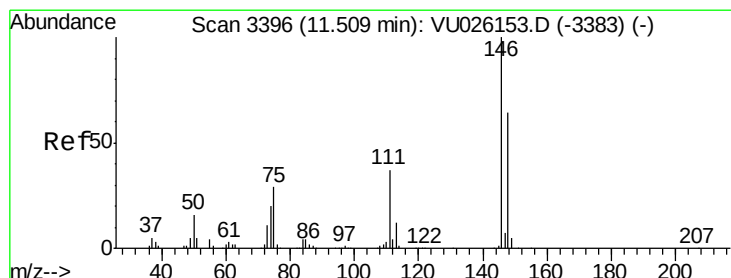
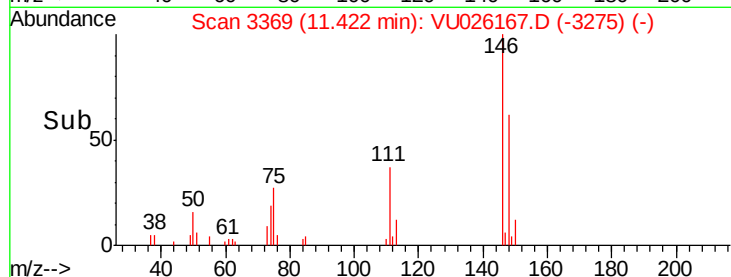
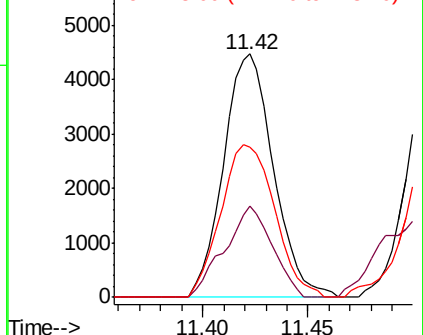
148 61.9 44.1 81.9



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: 2.472 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

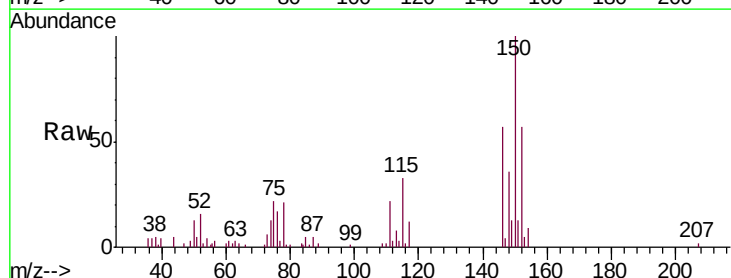
Tgt Ion:146 Resp: 8404

Ion Ratio Lower Upper

146 100

111 38.5 27.5 51.1

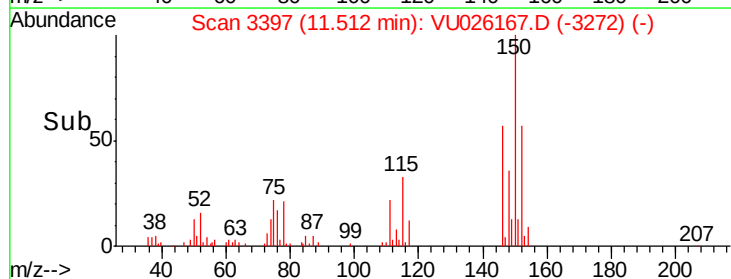
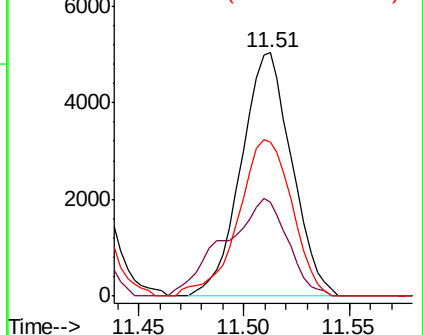
148 63.1 44.8 83.2

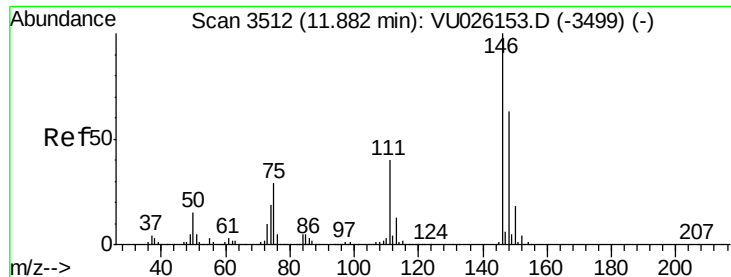


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.558 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

MDL05

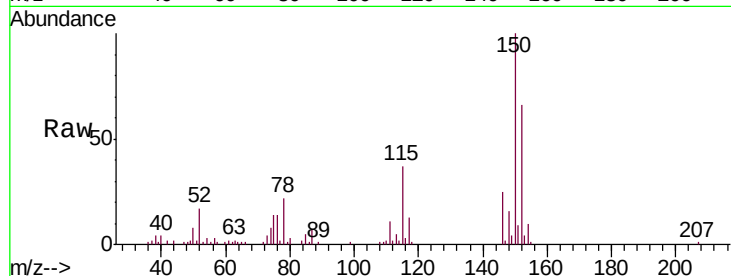
Tgt Ion:146 Resp: 9012

Ion Ratio Lower Upper

146 100

111 42.3 32.7 49.1

148 64.6 51.4 77.2

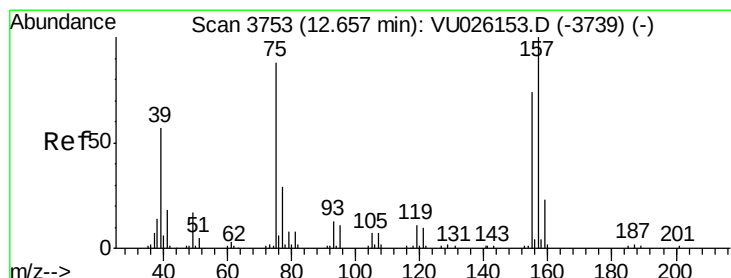
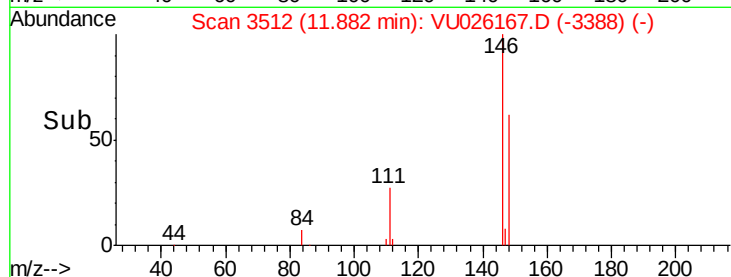
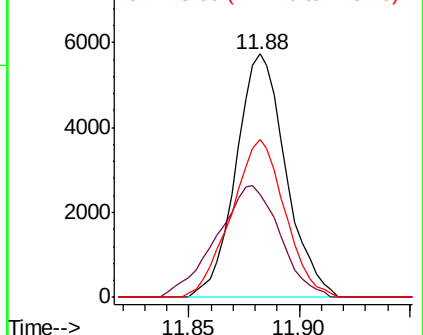


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.778 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

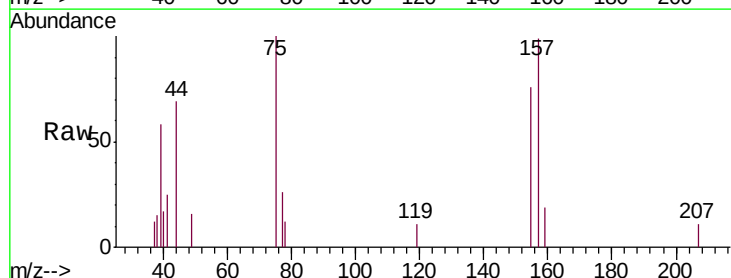
Tgt Ion: 75 Resp: 1552

Ion Ratio Lower Upper

75 100

155 75.8 68.2 102.2

157 99.3 90.5 135.7

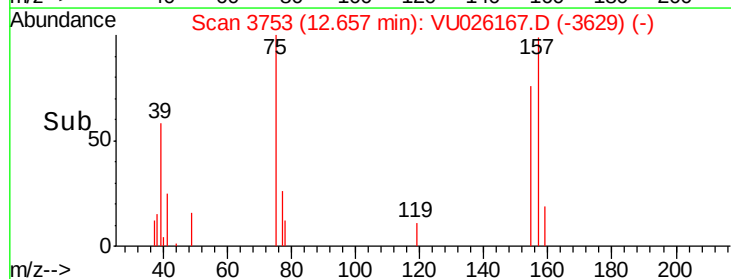
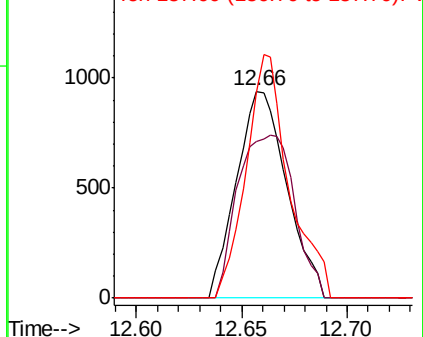


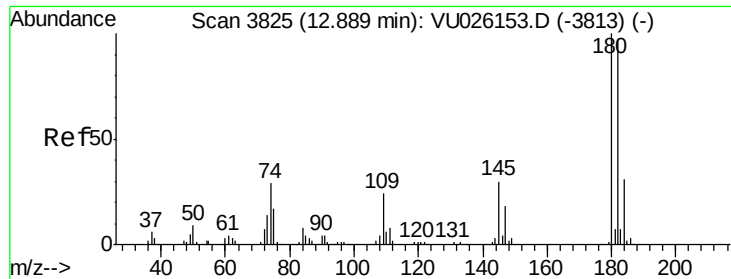
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

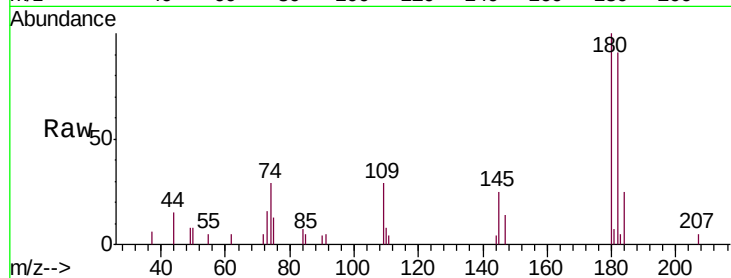




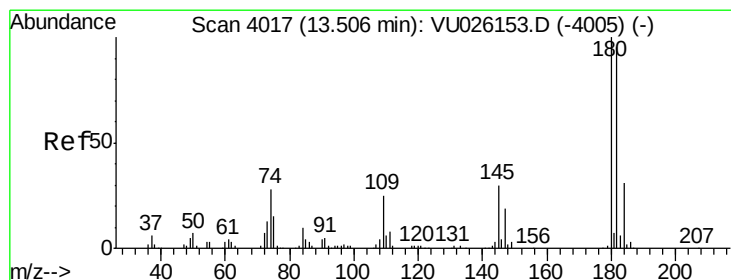
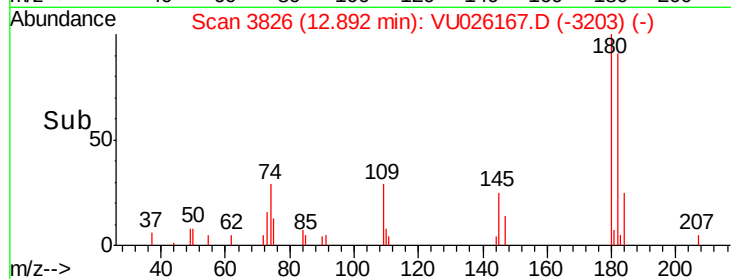
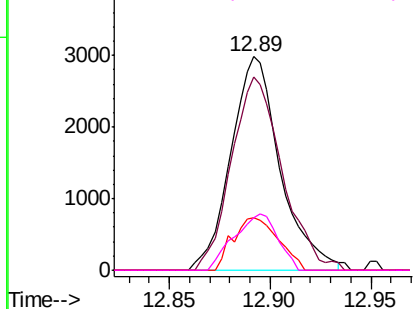
#67
 1,3,5-Trichlorobenzene
 Concen: 2.094 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 5099
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.6 113.4
 184 22.7 24.3 36.5#
 145 23.4 23.3 34.9

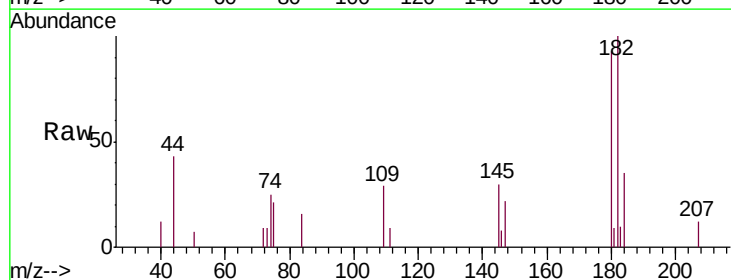


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

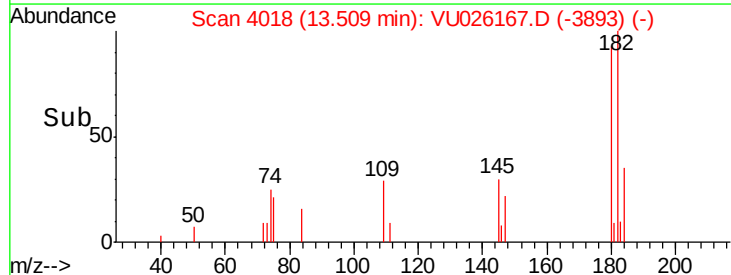
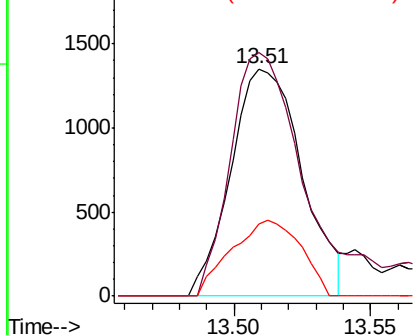


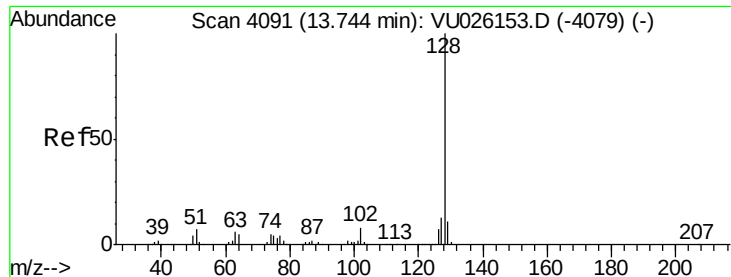
#68
 1,2,4-trichlorobenzene
 Concen: 1.327 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026167.D
 Acq: 16 Aug 2018 00:02

Tgt Ion:180 Resp: 2448
 Ion Ratio Lower Upper
 180 100
 182 104.9 76.8 115.2
 145 32.5 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.252 ug/L

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

MDL05

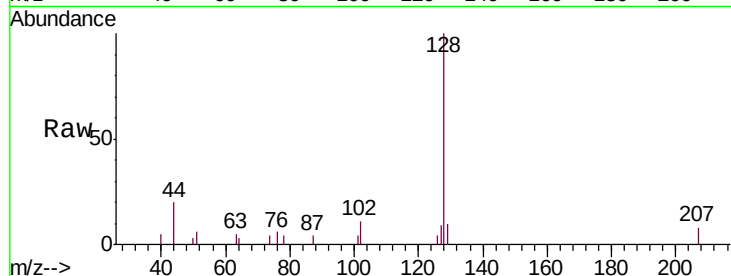
Tgt Ion:128 Resp: 6570

Ion Ratio Lower Upper

128 100

127 4.6 10.3 15.5#

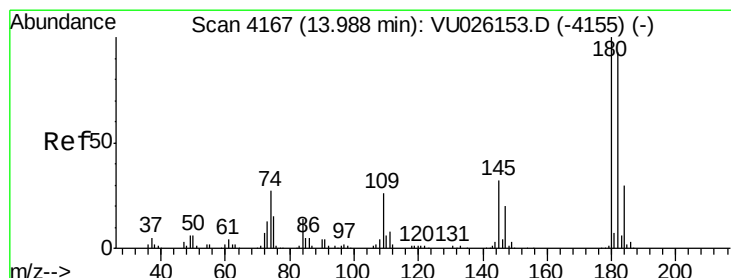
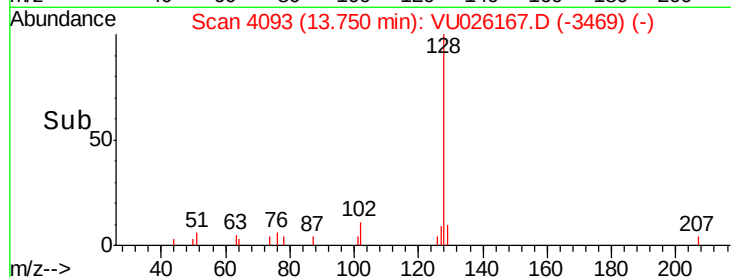
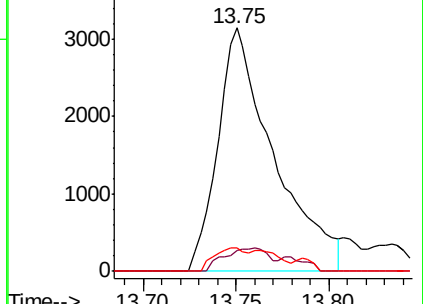
129 5.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.670 ug/L

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU026167.D

Acq: 16 Aug 2018 00:02

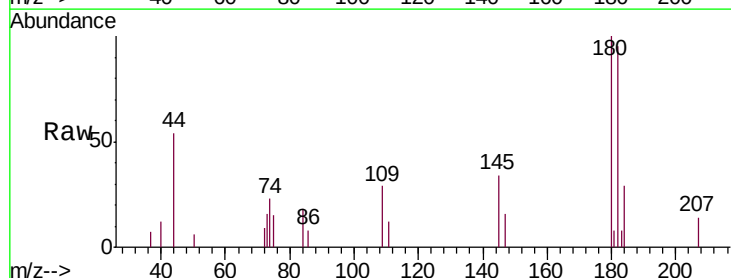
Tgt Ion:180 Resp: 3303

Ion Ratio Lower Upper

180 100

182 94.5 77.1 115.7

145 29.5 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

