

Data File : VU026157.D
Acq On : 15 Aug 2018 19:34
Operator : MD/SY
Sample : MDL02
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Aug 16 04:41:00 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	283501	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	267139	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	111899	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69339	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.30%
7) Chloroethane-d5	1.68	69	60520	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.46%
11) 1,1-Dichloroethene-d2	2.27	63	110063	33.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.34%
21) 2-Butanone-d5	4.18	46	137521	107.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.67%
24) Chloroform-d	4.65	84	170637	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.31	65	114427	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
32) Benzene-d6	5.35	84	325595	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
36) 1,2-Dichloropropane-d6	6.33	67	106265	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.57	98	299176	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	7.85	79	48959	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
47) 2-Hexanone-d5	8.31	63	96650	104.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.18%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	148764	46.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	114874	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4217	1.879 ug/L	94
3) Chloromethane	1.33	50	4760	2.329 ug/L	95
5) Vinyl chloride	1.40	62	4165	2.041 ug/L #	64
6) Bromomethane	1.62	94	2305	2.192 ug/L	87
8) Chloroethane	1.70	64	2426	1.985 ug/L	99
9) Trichlorofluoromethane	1.89	101	5616	1.864 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3988	2.443 ug/L #	81
12) 1,1-Dichloroethene	2.28	96	3940	2.630 ug/L #	1
13) Acetone	2.32	43	5132	4.390 ug/L	90
14) Carbon disulfide	2.48	76	9766	1.880 ug/L	96
15) Methyl Acetate	2.62	43	5395	2.660 ug/L	91
16) Methylene chloride	2.71	84	4463	2.224 ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	3382	1.903 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	10468	1.856 ug/L	97
19) 1,1-Dichloroethane	3.45	63	6695	1.957 ug/L #	91
20) cis-1,2-Dichloroethene	4.23	96	3937	1.976 ug/L	92
22) 2-Butanone	4.27	43	5404	3.711 ug/L #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2004	1.860	ug/L #	92
25) Chloroform	4.68	83	8711	2.425	ug/L	96
27) 1,2-Dichloroethane	5.41	62	6420	2.211	ug/L	97
29) Cyclohexane	5.00	56	4563	1.709	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	6500	2.036	ug/L	98
31) Carbon tetrachloride	5.14	117	5754	1.990	ug/L	97
33) Benzene	5.39	78	13815	1.910	ug/L	100
34) Trichloroethene	6.19	95	3521	1.869	ug/L	97
35) Methylcyclohexane	6.42	83	5158	1.823	ug/L	99
37) 1,2-Dichloropropane	6.44	63	3988	1.974	ug/L #	92
38) Bromodichloromethane	6.76	83	5011	1.873	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	5851	1.951	ug/L	92
40) 4-Methyl-2-pentanone	7.46	43	9621	3.839	ug/L	98
42) Toluene	7.64	91	14995	1.952	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	5488	1.899	ug/L	94
45) 1,1,2-Trichloroethane	8.07	97	3929	2.051	ug/L	95
46) Tetrachloroethene	8.23	164	3080	1.895	ug/L	87
48) 2-Hexanone	8.37	43	9231	4.701	ug/L #	97
49) Dibromochloromethane	8.48	129	4373	1.896	ug/L	82
50) 1,2-Dibromoethane	8.59	107	4116	2.069	ug/L #	98
51) Chlorobenzene	9.12	112	10687	2.036	ug/L	96
52) Ethylbenzene	9.26	91	14143	1.690	ug/L	96
53) m,p-Xylene	9.38	106	4873	1.511	ug/L	85
54) o-xylene	9.79	106	5062	1.573	ug/L	88
55) Styrene	9.80	104	8233	1.537	ug/L	96
56) Isopropylbenzene	10.17	105	12785	1.548	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	7104	2.221	ug/L #	94
59) 1,2,3-Trichloropropane	10.50	75	4984	2.003	ug/L	96
61) Bromoform	9.96	173	3301	2.256	ug/L #	90
62) 1,3-Dichlorobenzene	11.42	146	6019	1.795	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	6544	1.892	ug/L	86
65) 1,2-Dichlorobenzene	11.89	146	8157	2.276	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	1163	2.047	ug/L	89
67) 1,3,5-Trichlorobenzene	12.90	180	4183	1.689	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.99	180	2487	1.236	ug/L	95

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

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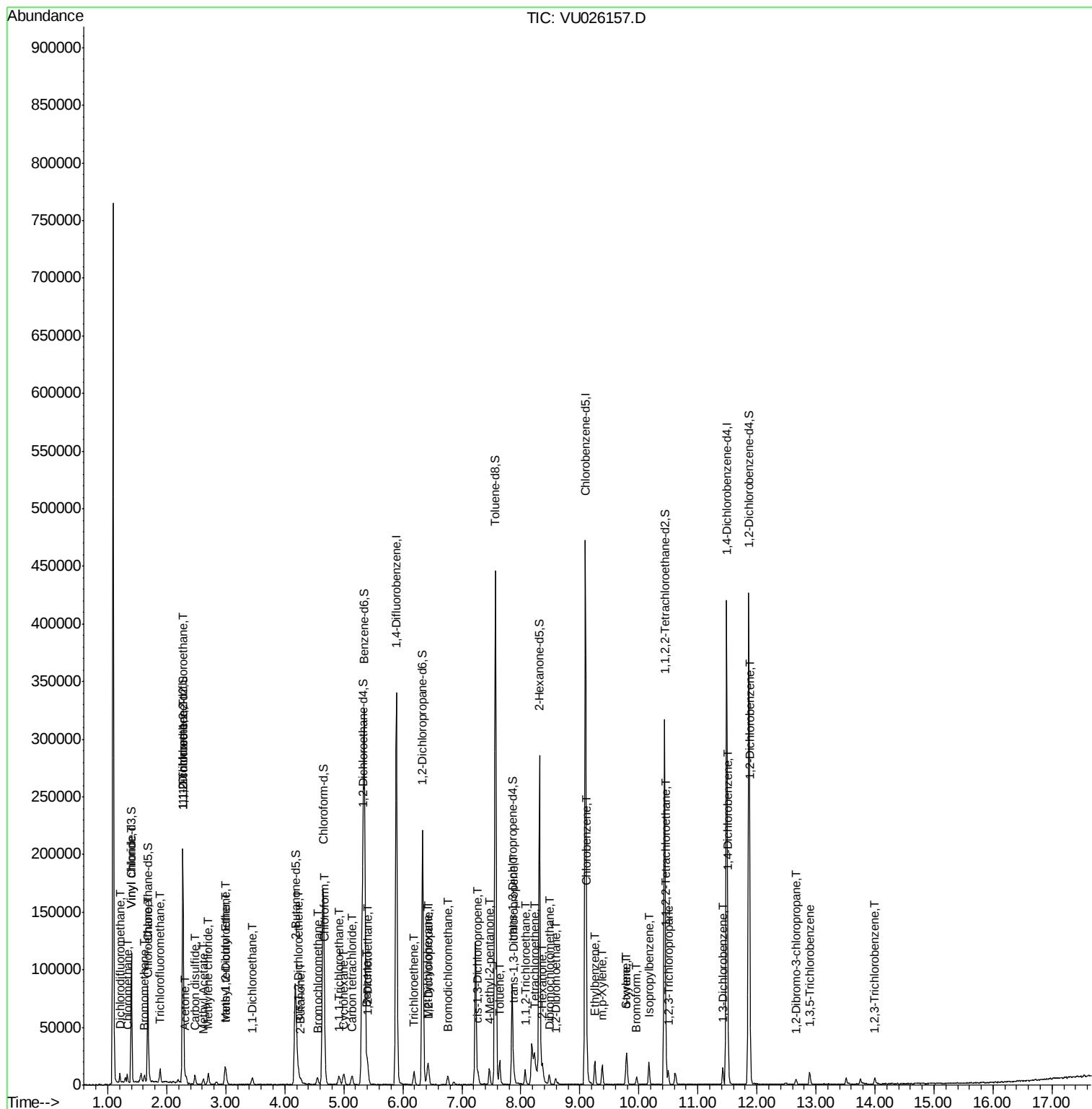
Quant Time: Aug 16 04:41:00 2018

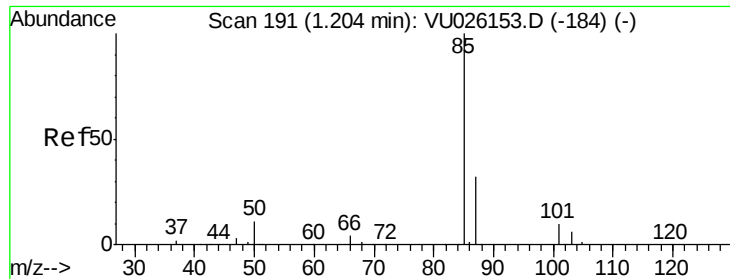
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM081518WMA.M

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#2

Dichlorodifluoromethane

Concen: 1.879 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

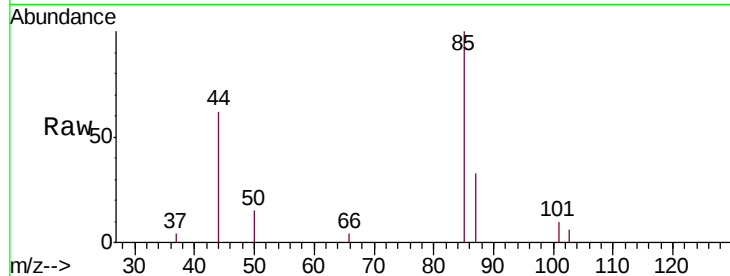
MDL02

Tgt Ion: 85 Resp: 4217

Ion Ratio Lower Upper

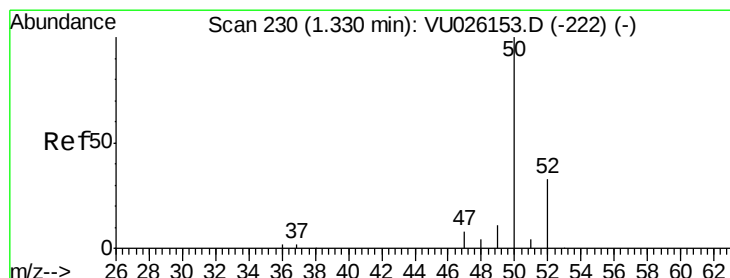
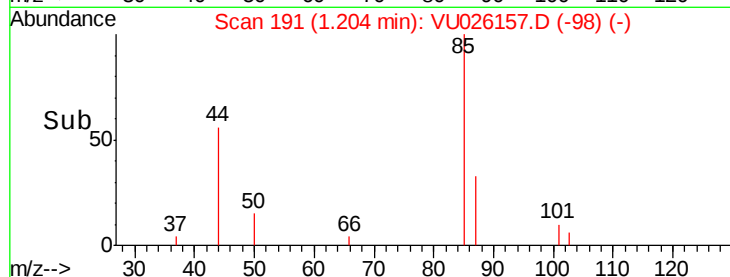
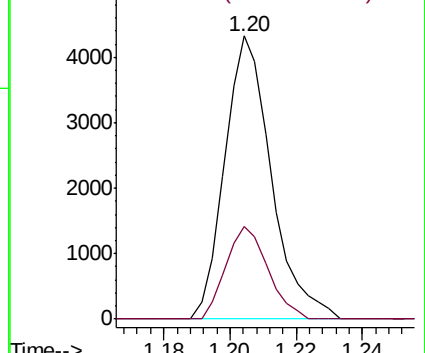
85 100

87 29.4 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: 2.329 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026157.D

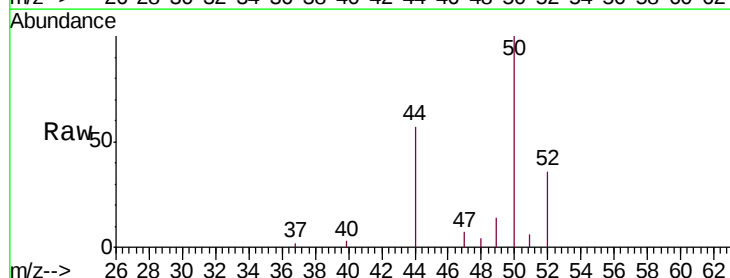
Acq: 15 Aug 2018 19:34

Tgt Ion: 50 Resp: 4760

Ion Ratio Lower Upper

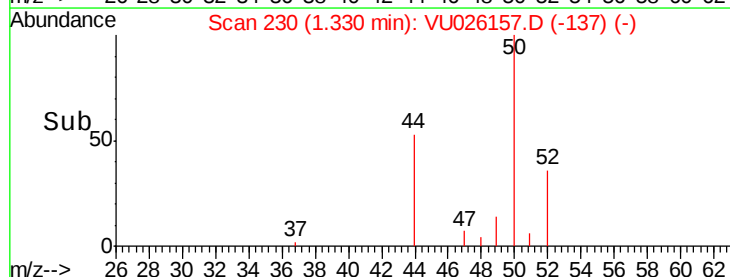
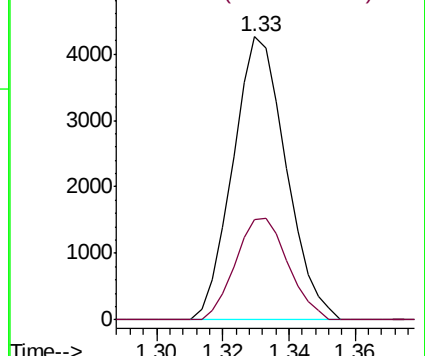
50 100

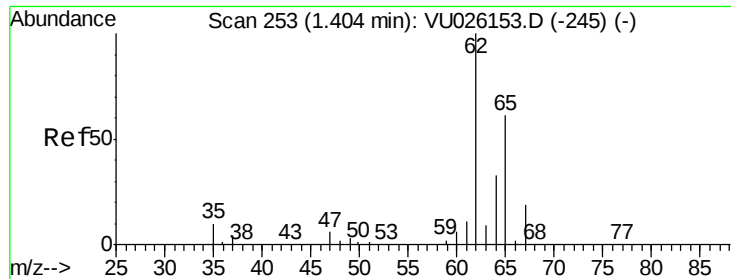
52 35.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.041 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampled :

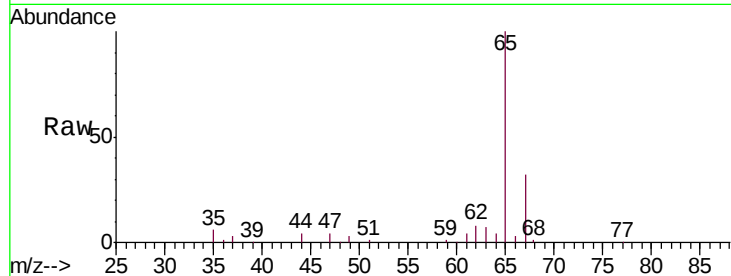
MDL02

Tgt Ion: 62 Resp: 4165

Ion Ratio Lower Upper

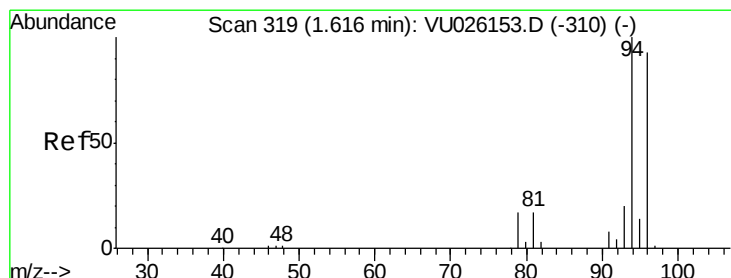
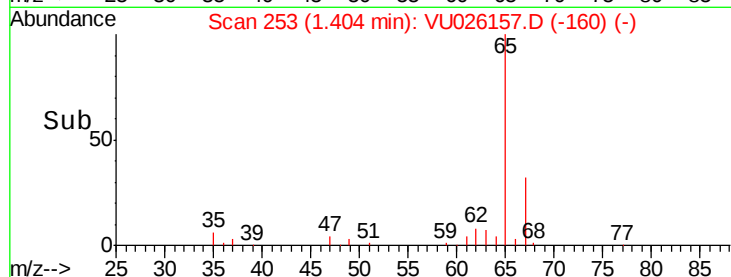
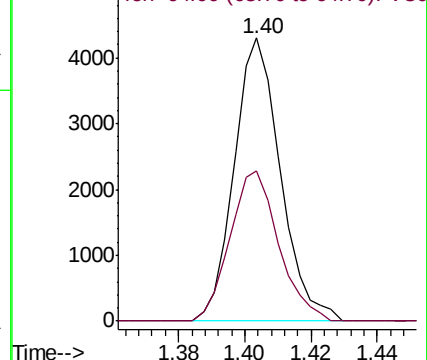
62 100

64 53.2 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.192 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU026157.D

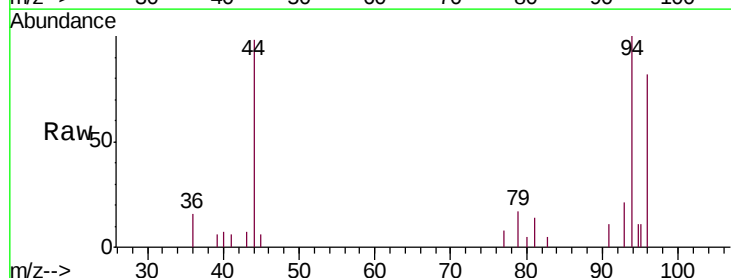
Acq: 15 Aug 2018 19:34

Tgt Ion: 94 Resp: 2305

Ion Ratio Lower Upper

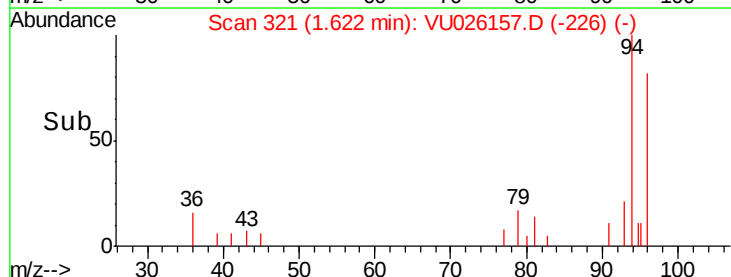
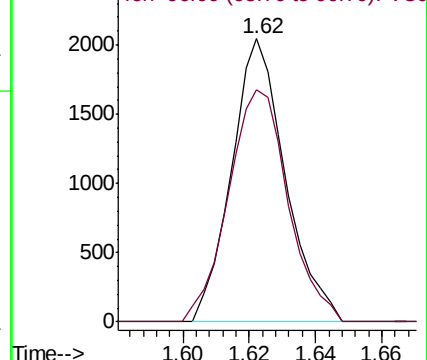
94 100

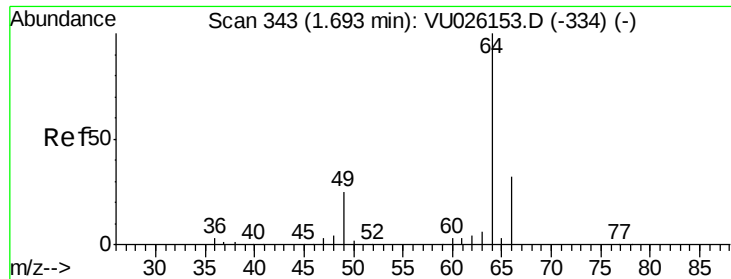
96 82.1 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

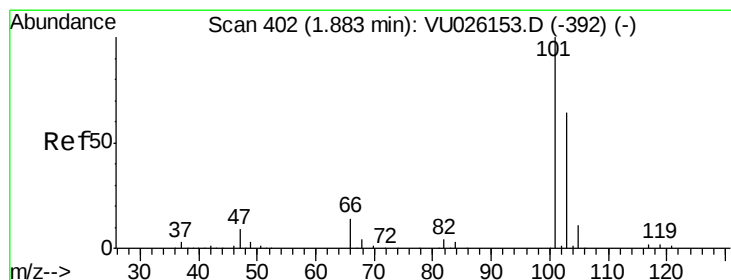
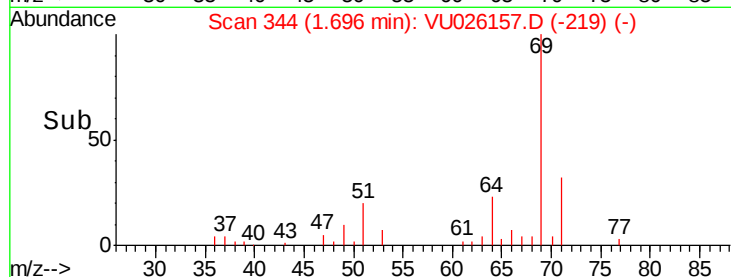
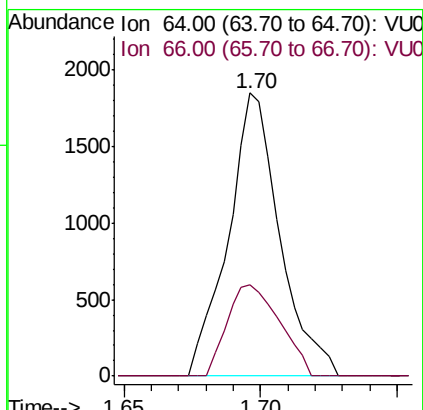
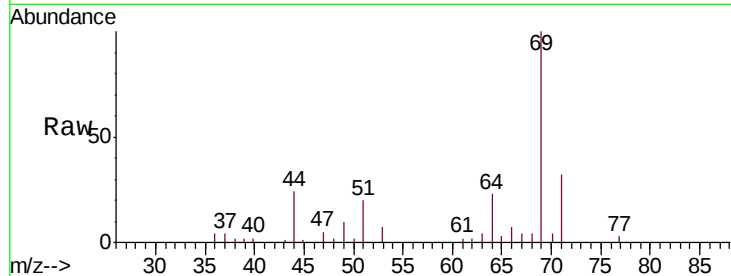




#8
Chloroethane
Concen: 1.985 ug/L
RT: 1.70 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

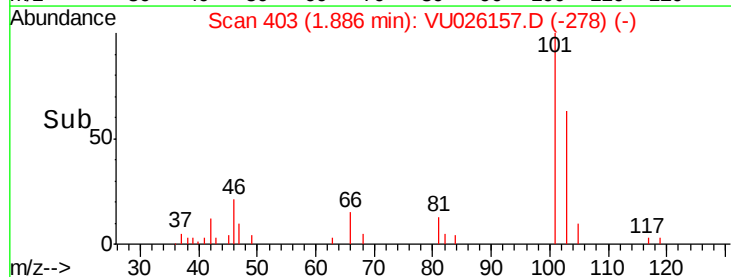
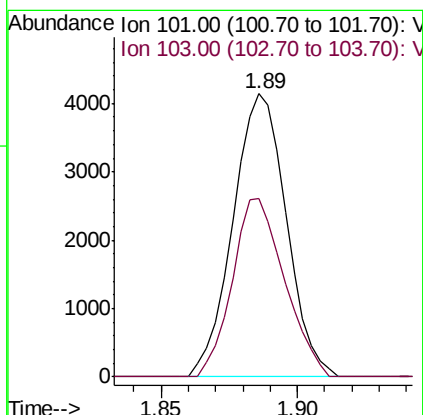
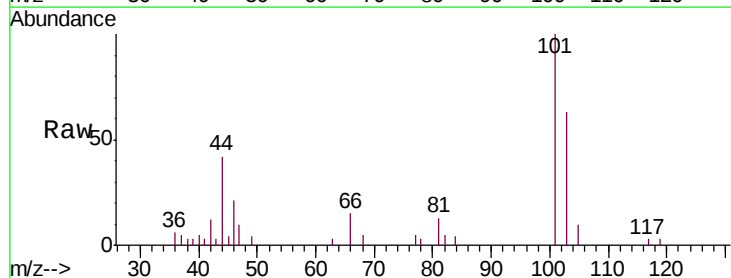
Instrument :
MSVOA_U
ClientSampled :
MDL02

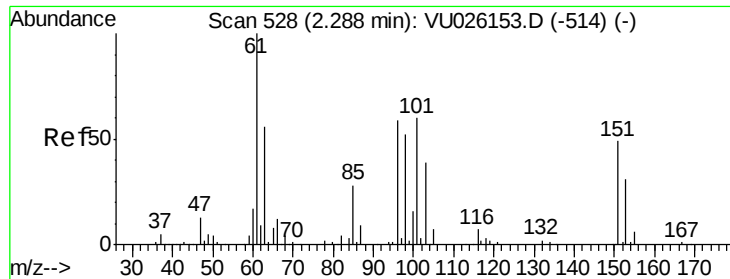
Tgt Ion: 64 Resp: 2426
Ion Ratio Lower Upper
64 100
66 32.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 1.864 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

Tgt Ion: 101 Resp: 5616
Ion Ratio Lower Upper
101 100
103 61.8 51.4 77.2





#10

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

Concen: 2.443 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampled :

MDL02

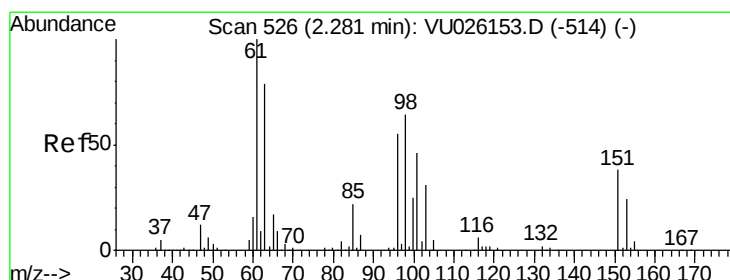
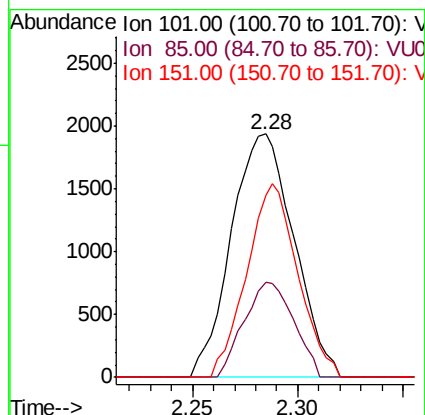
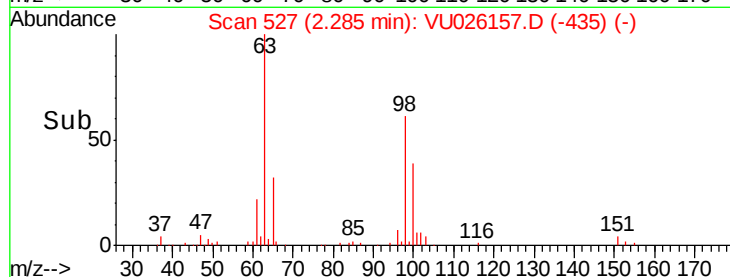
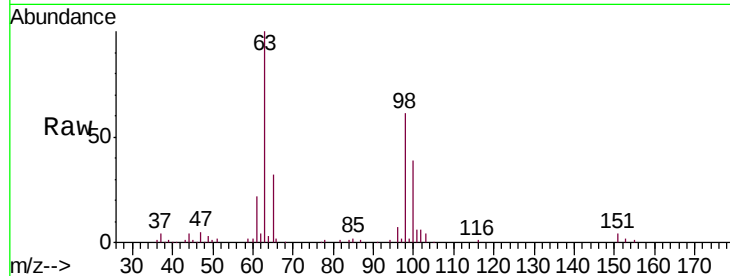
Tgt Ion:101 Resp: 3988

Ion Ratio Lower Upper

101 100

85 31.1 36.6 55.0#

151 64.8 63.8 95.8



#12

1,1-Dichloroethene

Concen: 2.630 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

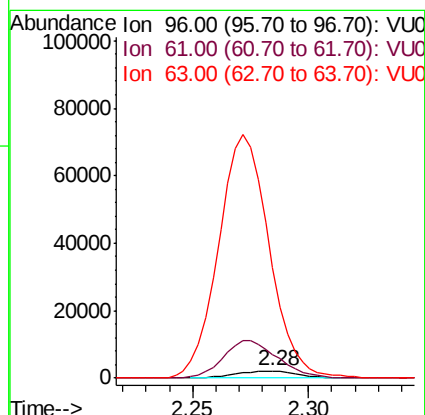
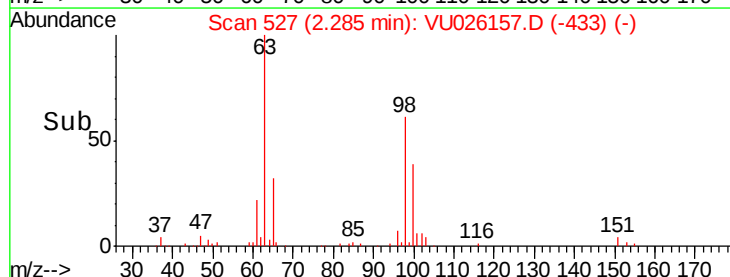
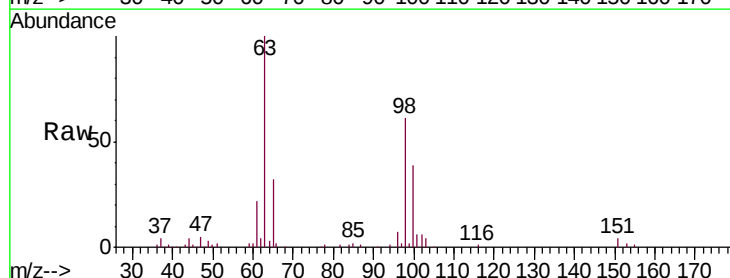
Tgt Ion: 96 Resp: 3940

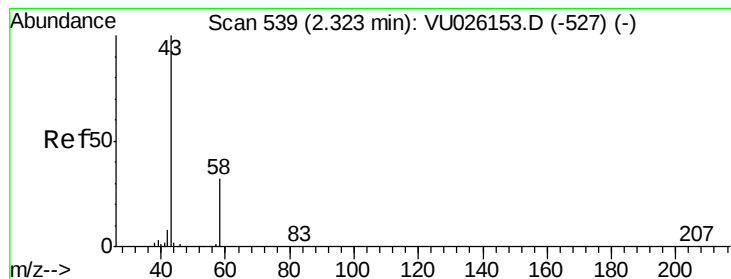
Ion Ratio Lower Upper

96 100

61 332.3 126.8 235.4#

63 1525.3 97.0 180.2#





#13

Acetone

Concen: 4.390 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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Acq: 15 Aug 2018 19:34

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MSVOA_U

ClientSampleId :

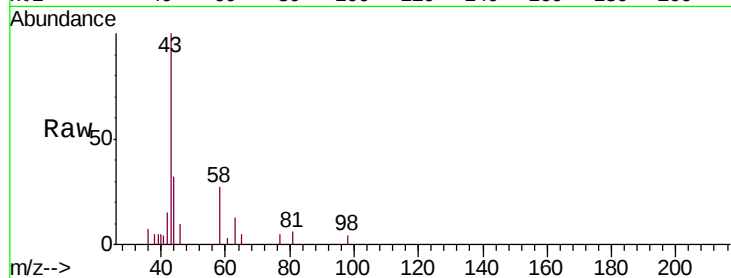
MDL02

Tgt Ion: 43 Resp: 5132

Ion Ratio Lower Upper

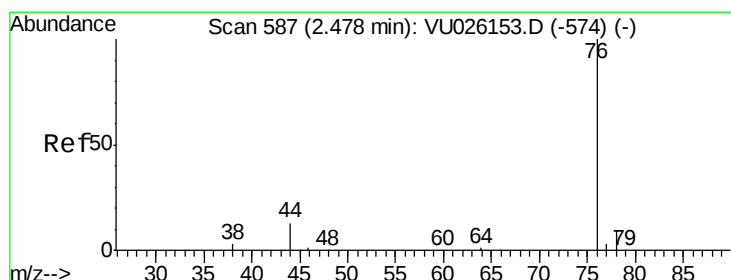
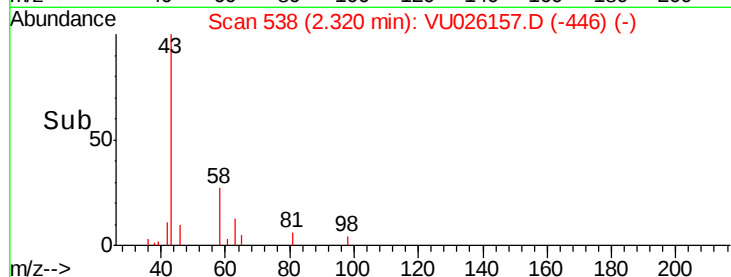
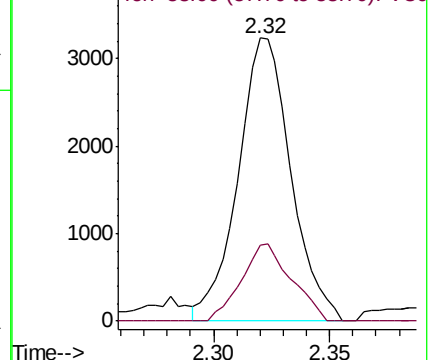
43 100

58 25.7 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: 1.880 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026157.D

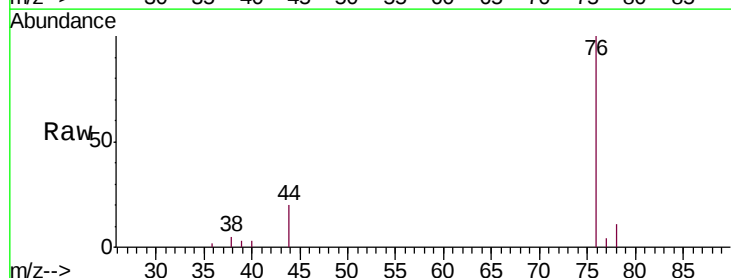
Acq: 15 Aug 2018 19:34

Tgt Ion: 76 Resp: 9766

Ion Ratio Lower Upper

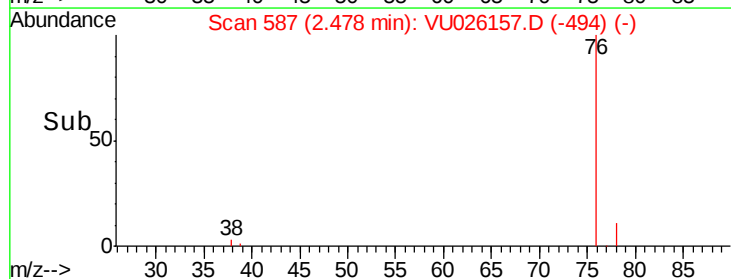
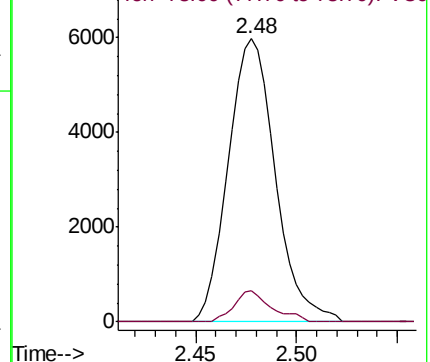
76 100

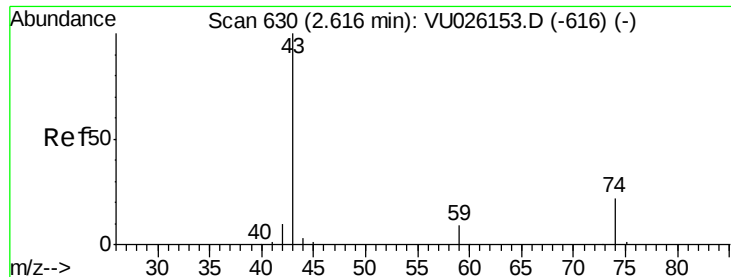
78 10.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 2.660 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

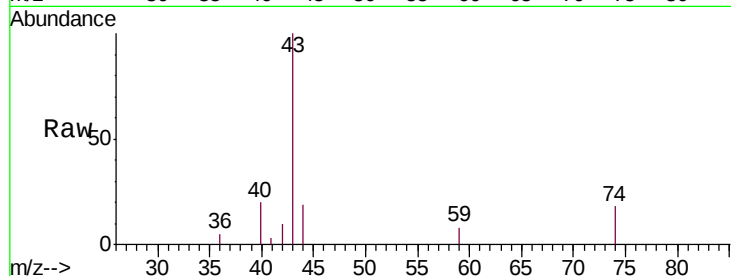
MDL02

Tgt Ion: 43 Resp: 5395

Ion Ratio Lower Upper

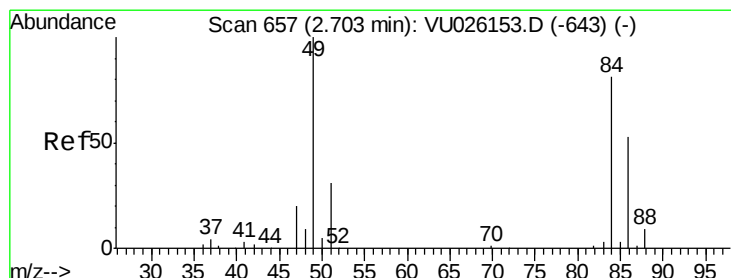
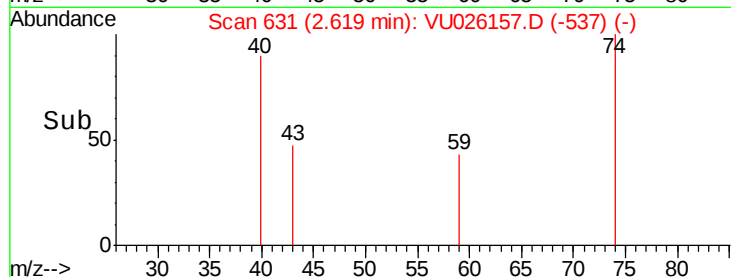
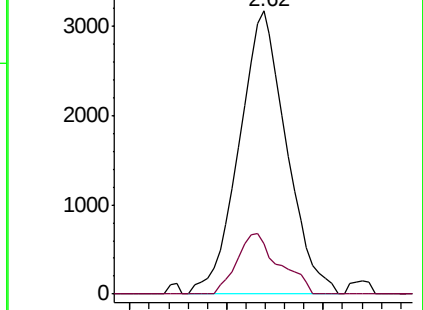
43 100

74 19.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU026157.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU026157.D (-537) (-)



#16

Methylene chloride

Concen: 2.224 ug/L

RT: 2.71 min Scan# 659

Delta R.T. 0.01 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

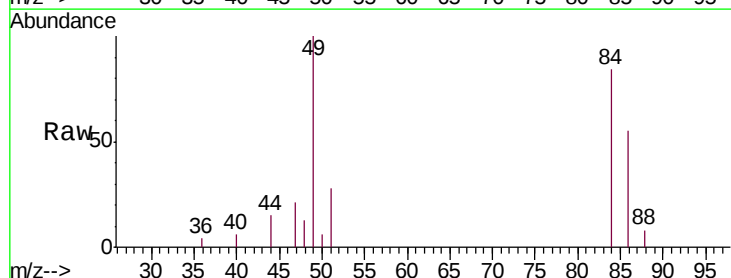
Tgt Ion: 84 Resp: 4463

Ion Ratio Lower Upper

84 100

86 66.1 44.0 81.6

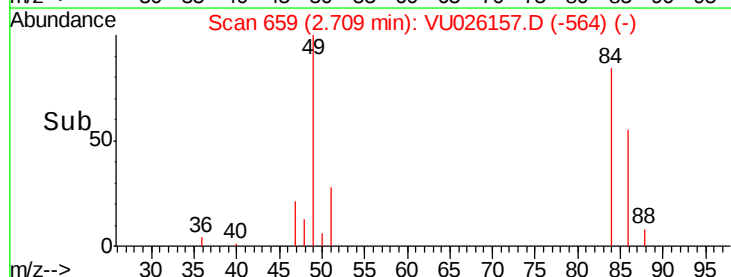
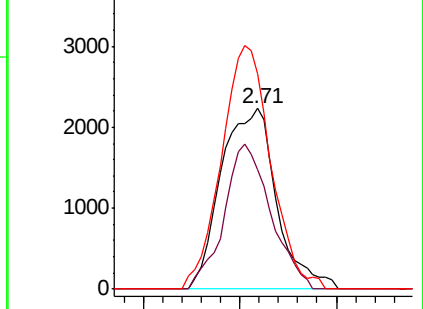
49 119.6 87.7 162.9

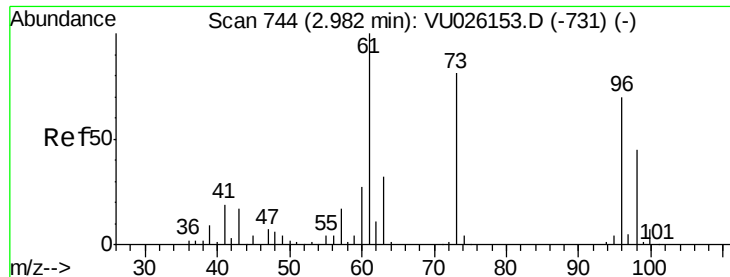


Abundance Ion 84.00 (83.70 to 84.70): VU026157.D (-564) (-)

Ion 86.00 (85.70 to 86.70): VU026157.D (-564) (-)

Ion 49.00 (48.70 to 49.70): VU026157.D (-564) (-)





#17

trans-1,2-Dichloroethene

Concen: 1.903 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL02

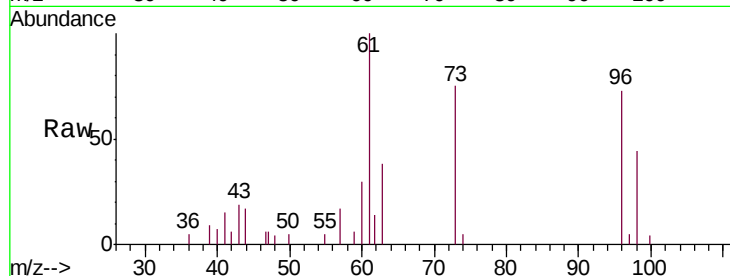
Tgt Ion: 96 Resp: 3382

Ion Ratio Lower Upper

96 100

61 137.5 96.7 179.5

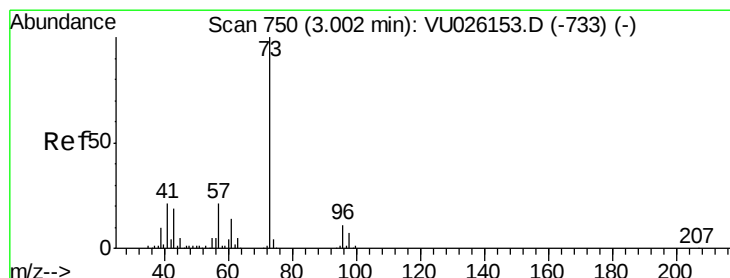
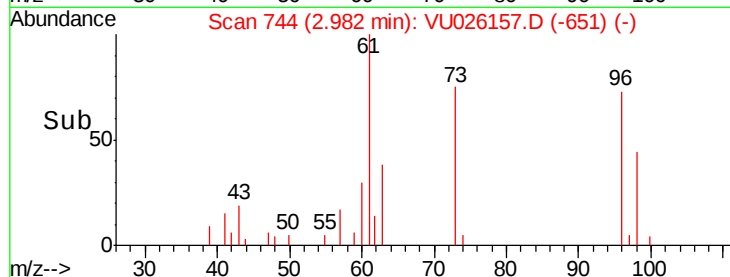
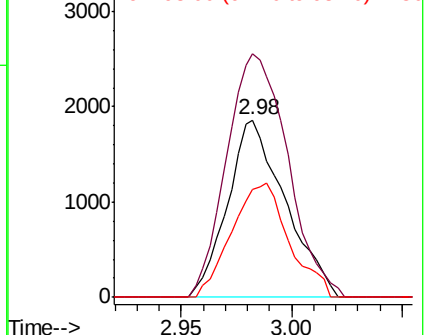
98 60.7 43.6 81.0



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: 1.856 ug/L

RT: 3.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

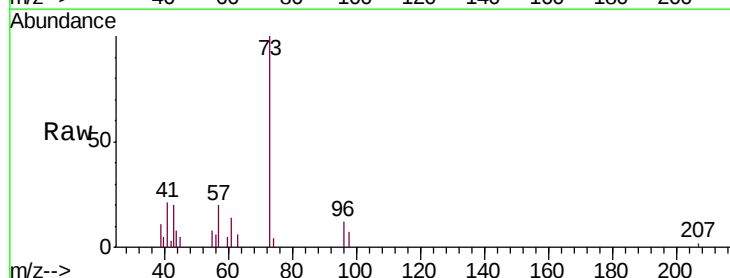
Tgt Ion: 73 Resp: 10468

Ion Ratio Lower Upper

73 100

43 23.3 16.2 24.4

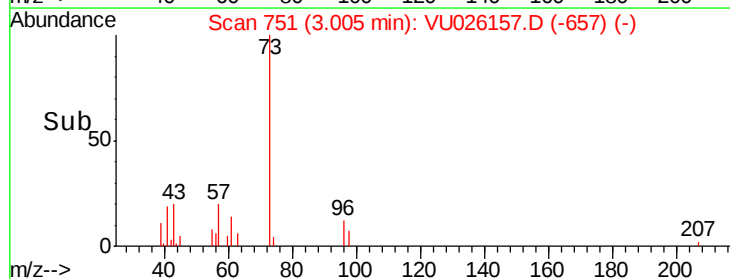
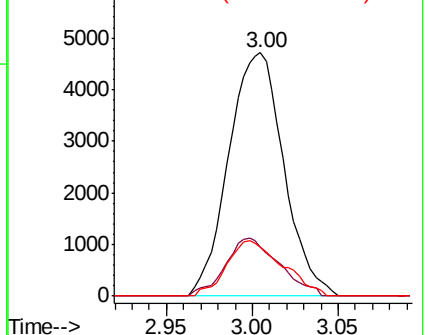
57 23.1 18.2 27.2

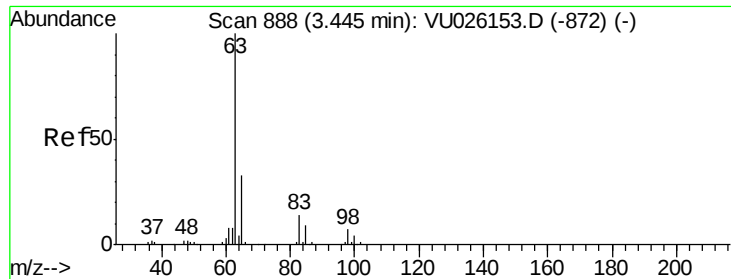


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

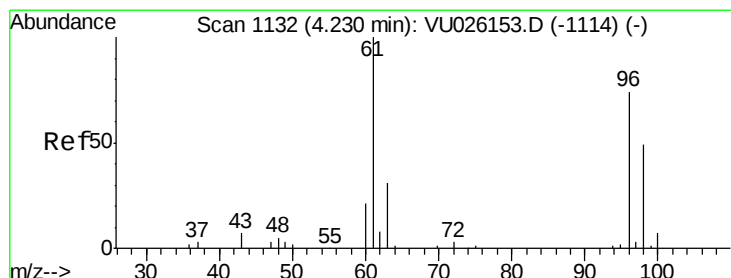
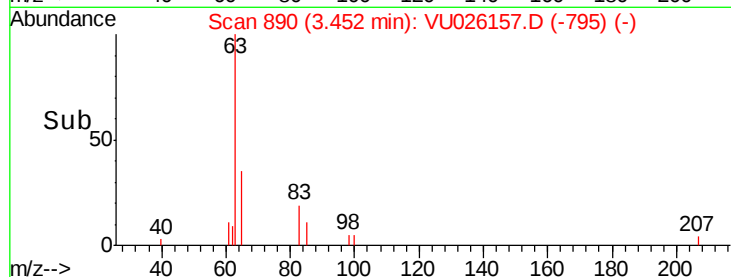
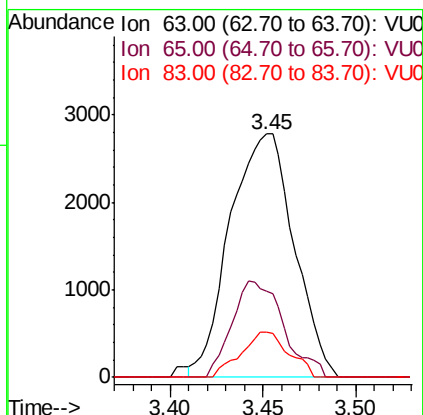
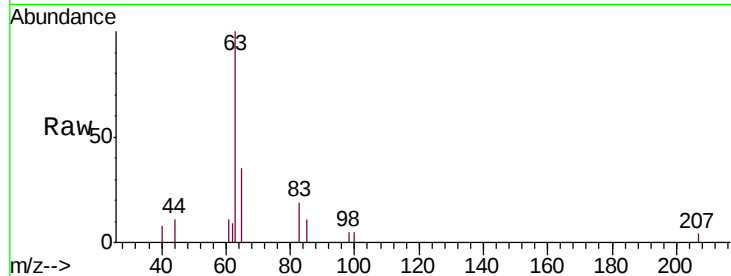




#19
 1,1-Dichloroethane
 Concen: 1.957 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.01 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

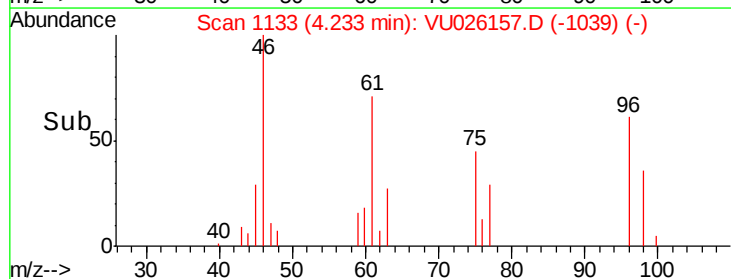
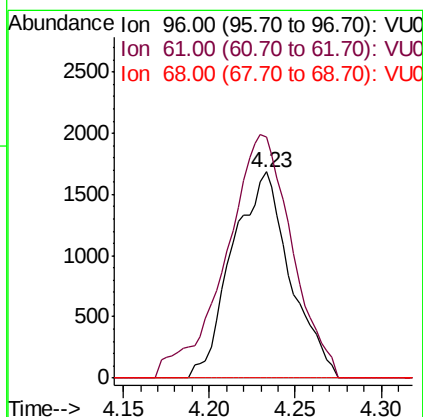
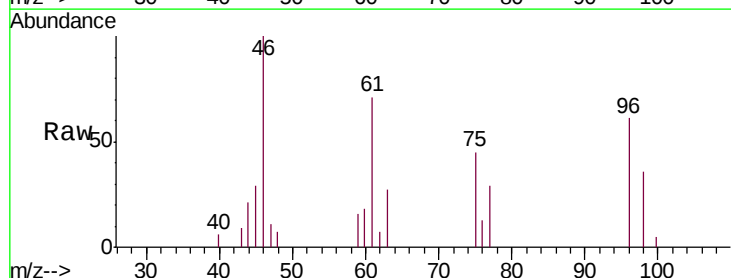
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

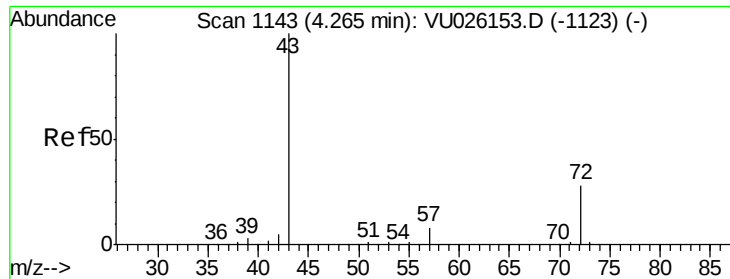
Tgt Ion: 63 Resp: 6695
 Ion Ratio Lower Upper
 63 100
 65 35.4 22.1 41.1
 83 18.7 9.4 17.4#



#20
 cis-1,2-Dichloroethene
 Concen: 1.976 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Tgt Ion: 96 Resp: 3937
 Ion Ratio Lower Upper
 96 100
 61 117.4 88.6 164.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.711 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampled :

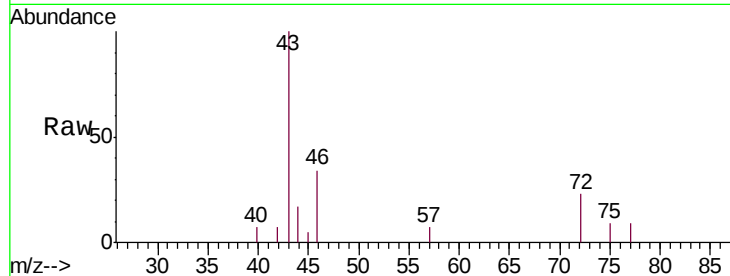
MDL02

Tgt Ion: 43 Resp: 5404

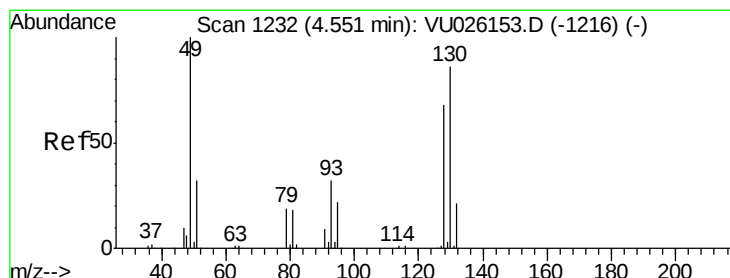
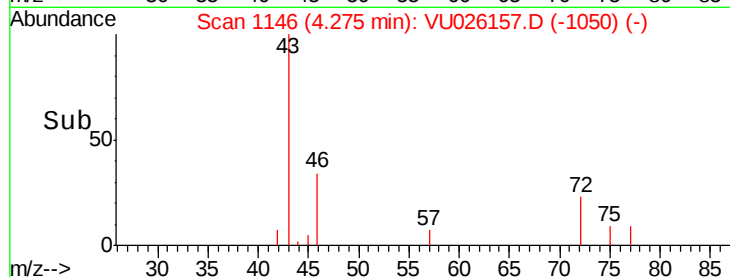
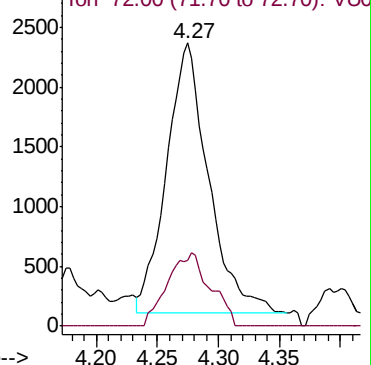
Ion Ratio Lower Upper

43 100

72 12.2 13.4 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VU026157.D (-1050) (-)



#23

Bromochloromethane

Concen: 1.860 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Tgt Ion: 128 Resp: 2004

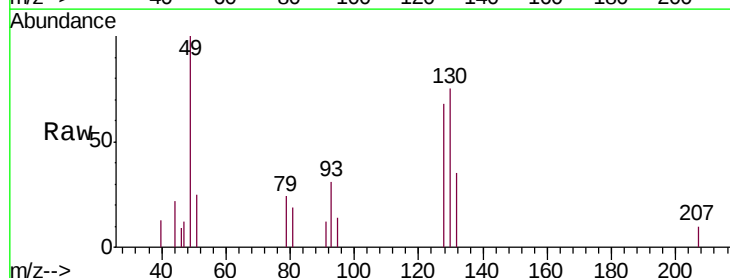
Ion Ratio Lower Upper

128 100

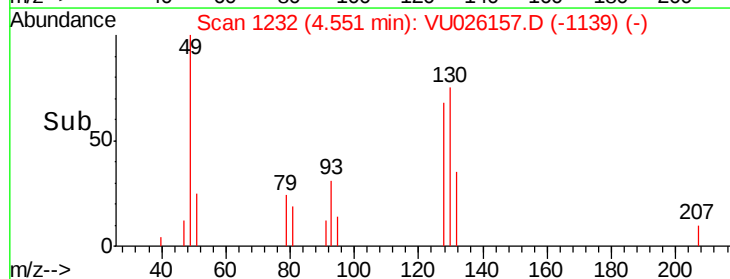
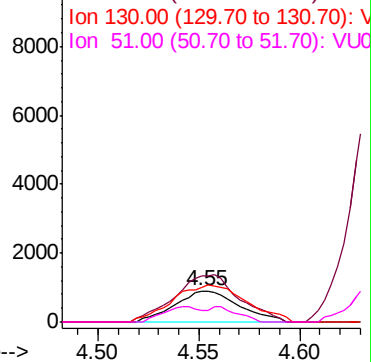
49 146.5 101.3 188.1

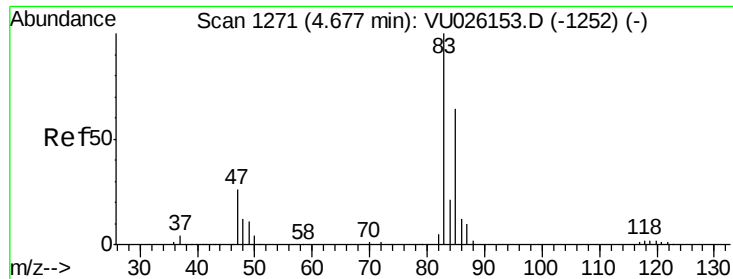
130 110.2 86.4 160.4

51 36.9 38.1 57.1#



Abundance Ion 128.00 (127.70 to 128.70): VU026157.D (-1139) (-)

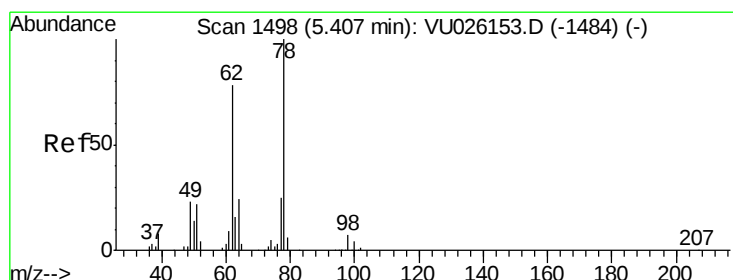
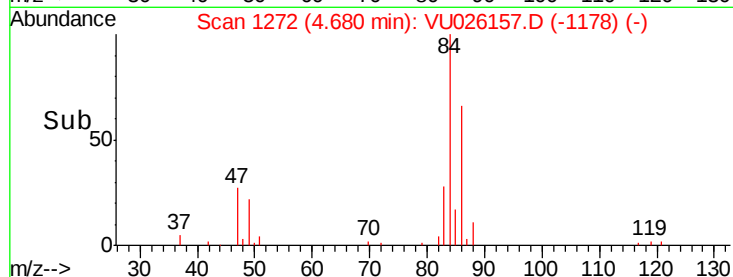
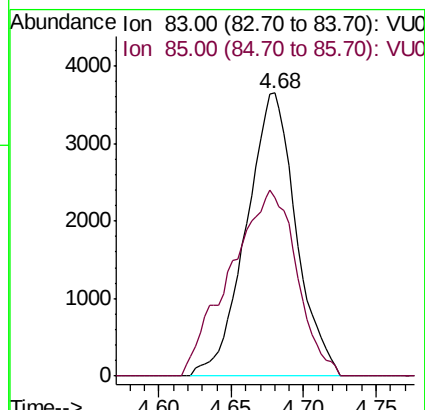
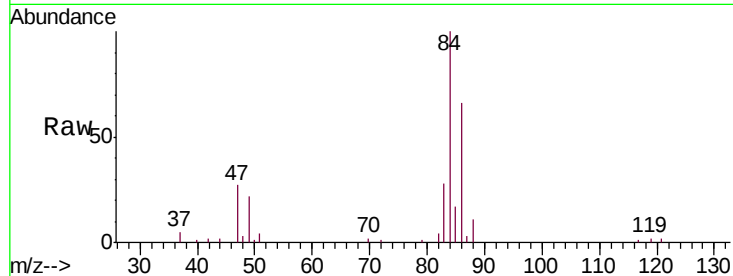




#25
Chloroform
Concen: 2.425 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

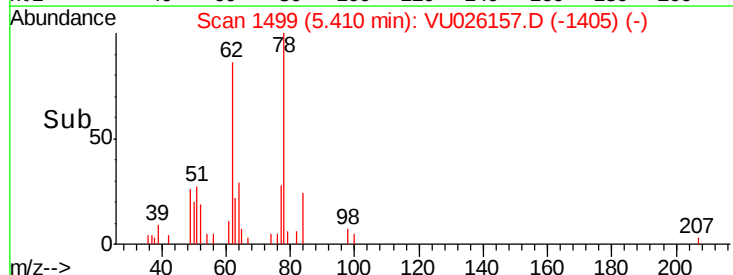
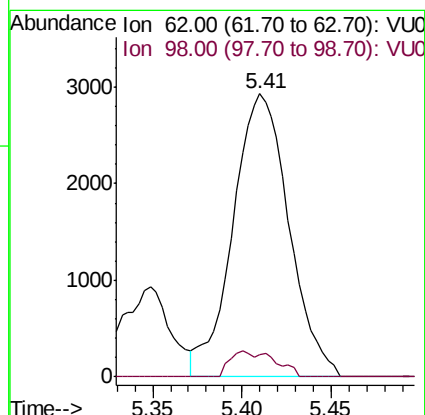
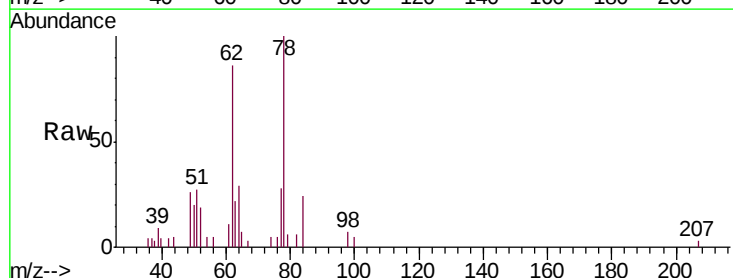
Instrument :
MSVOA_U
ClientSampleId :
MDL02

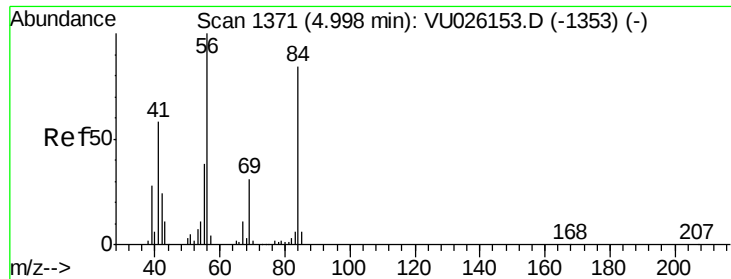
Tgt Ion: 83 Resp: 8711
Ion Ratio Lower Upper
83 100
85 63.0 46.3 86.1



#27
1,2-Dichloroethane
Concen: 2.211 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

Tgt Ion: 62 Resp: 6420
Ion Ratio Lower Upper
62 100
98 7.6 7.0 10.4

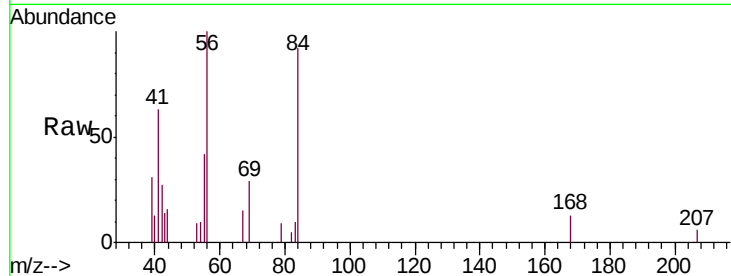




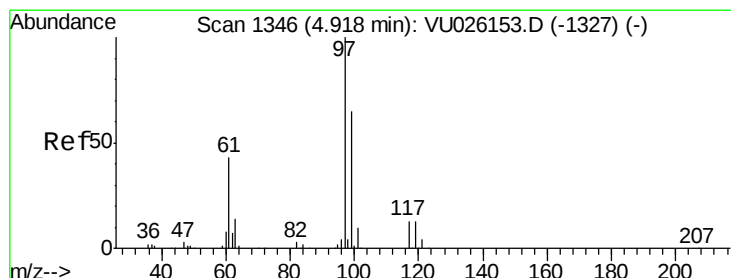
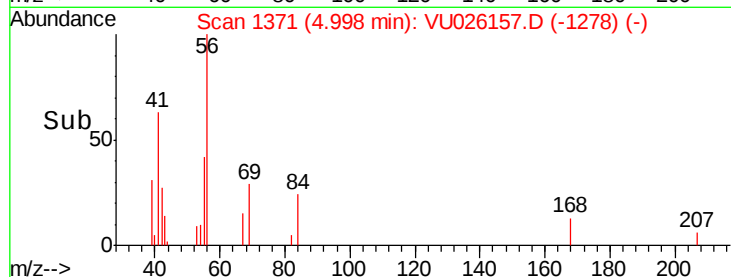
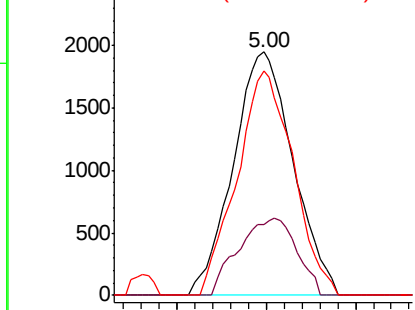
#29
Cyclohexane
Concen: 1.709 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 56 Resp: 4563
Ion Ratio Lower Upper
56 100
69 30.7 24.1 36.1
84 86.6 68.6 102.8

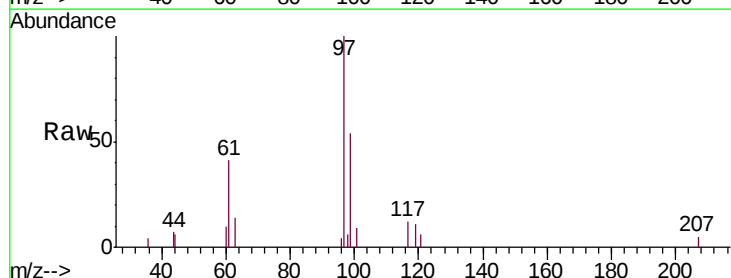


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

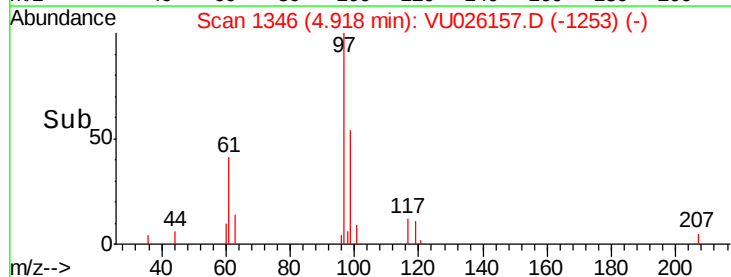
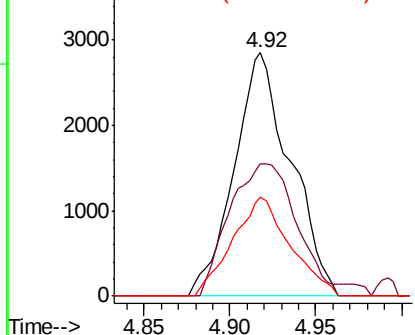


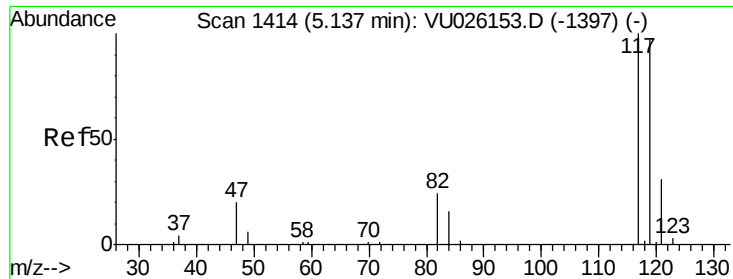
#30
1,1,1-Trichloroethane
Concen: 2.036 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

Tgt Ion: 97 Resp: 6500
Ion Ratio Lower Upper
97 100
99 65.9 52.2 78.2
61 41.5 35.4 53.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 1.990 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

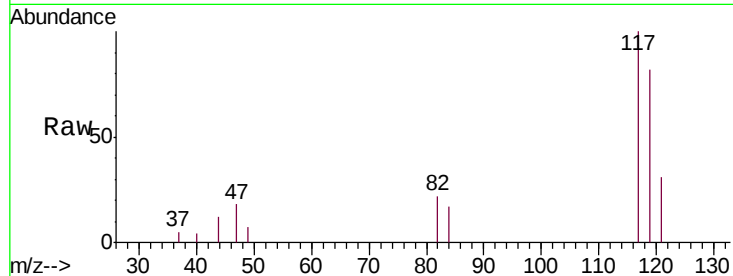
MDL02

Tgt Ion:117 Resp: 5754

Ion Ratio Lower Upper

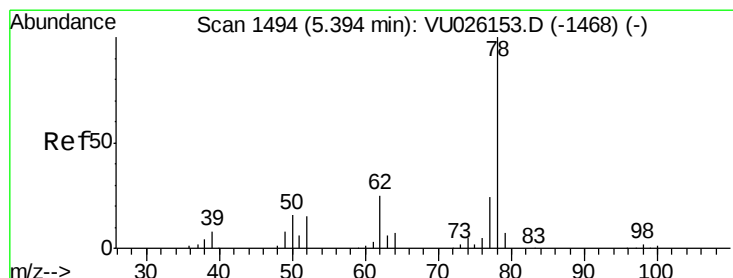
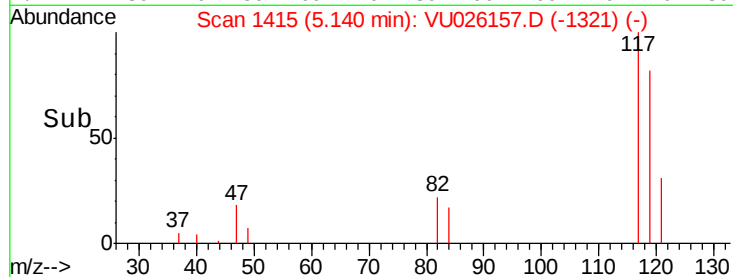
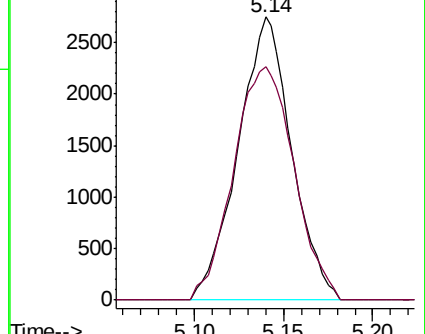
117 100

119 93.4 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.910 ug/L

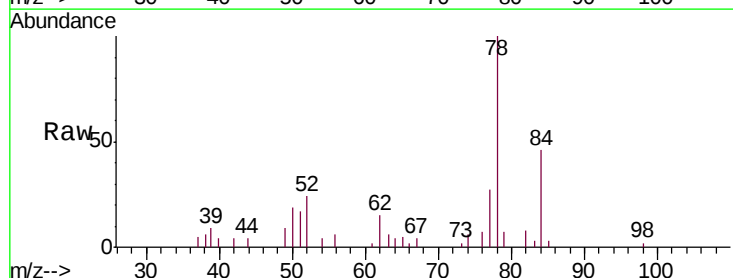
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

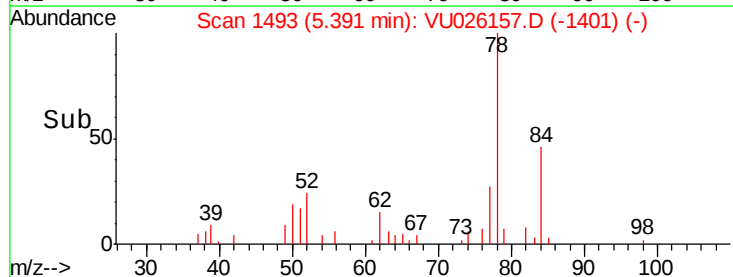
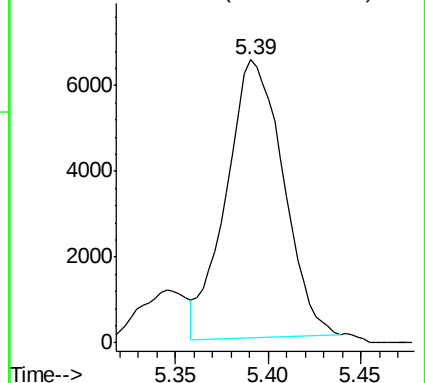
Lab File: VU026157.D

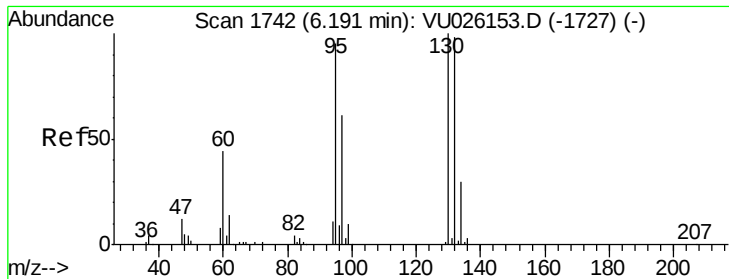
Acq: 15 Aug 2018 19:34

Tgt Ion: 78 Resp: 13815



Abundance Ion 78.00 (77.70 to 78.70): VU0

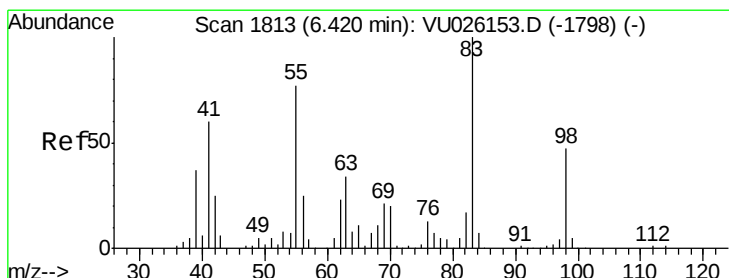
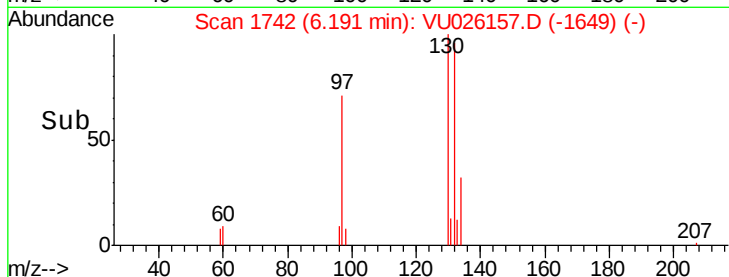
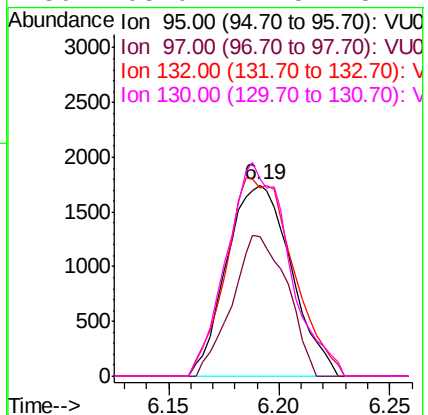
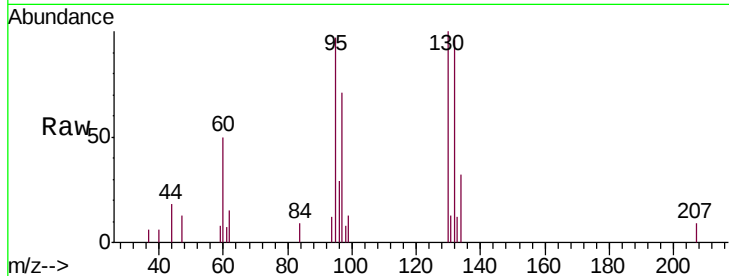




#34
 Trichloroethene
 Concen: 1.869 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

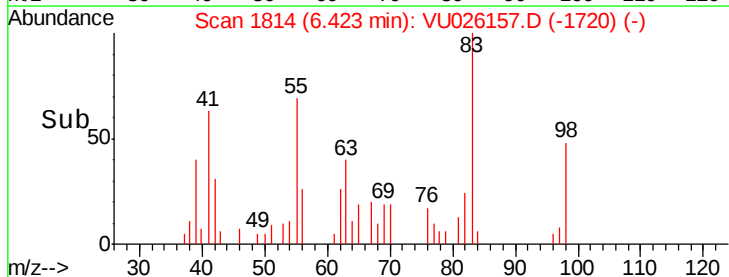
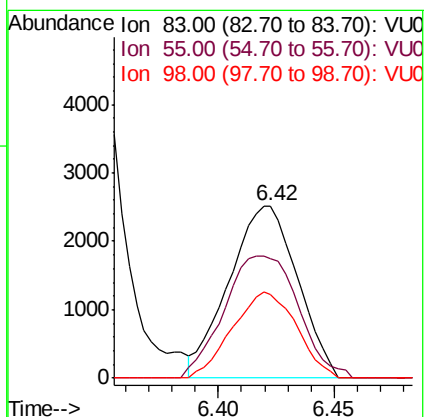
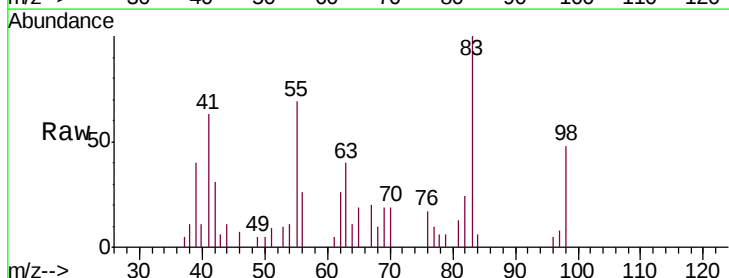
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

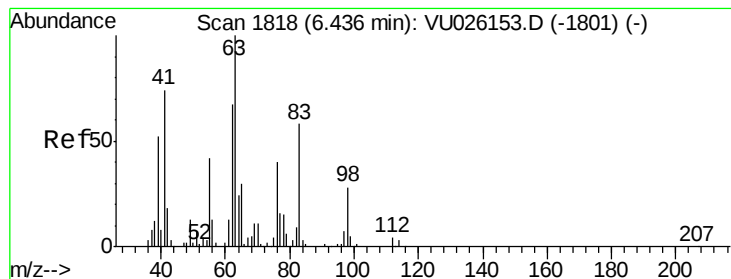
Tgt Ion:	95	Resp:	3521
Ion	Ratio	Lower	Upper
95	100		
97	73.2	45.7	84.9
132	98.5	68.8	127.8
130	103.0	71.5	132.7



#35
 Methylcyclohexane
 Concen: 1.823 ug/L
 RT: 6.42 min Scan# 1814
 Delta R.T. 0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Tgt Ion:	83	Resp:	5158
Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.0	91.6
98	46.8	37.6	56.4





#37

1,2-Dichloropropane

Concen: 1.974 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

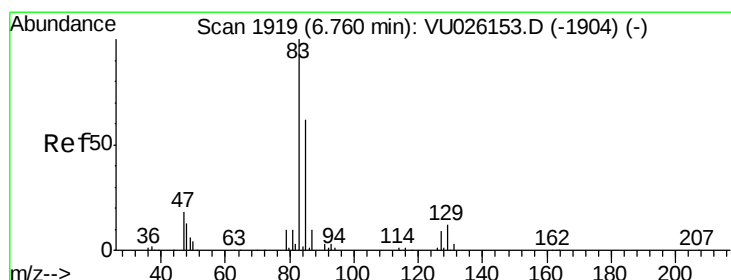
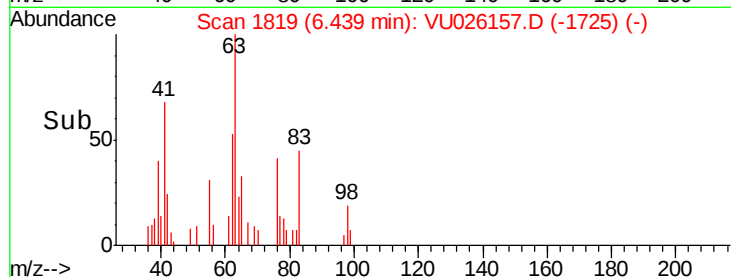
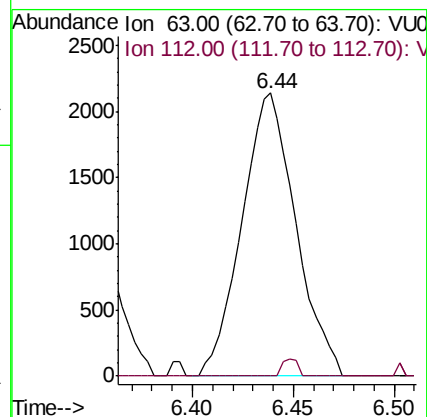
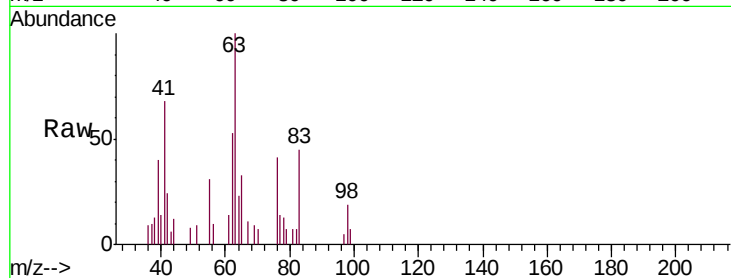
MDL02

Tgt Ion: 63 Resp: 3988

Ion Ratio Lower Upper

63 100

112 1.8 3.5 5.3#



#38

Bromodichloromethane

Concen: 1.873 ug/L

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

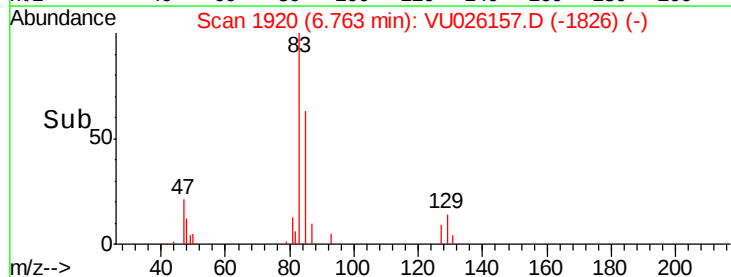
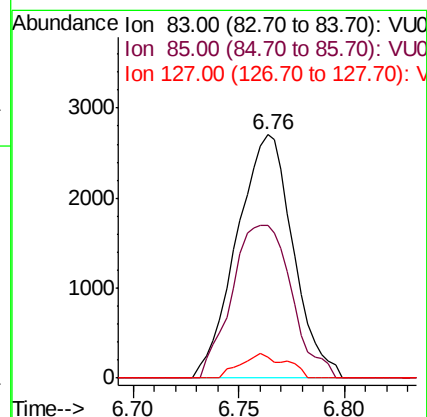
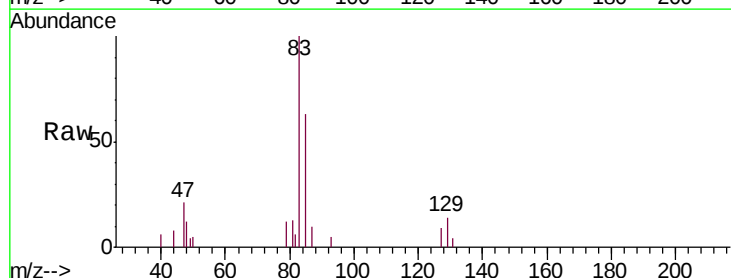
Tgt Ion: 83 Resp: 5011

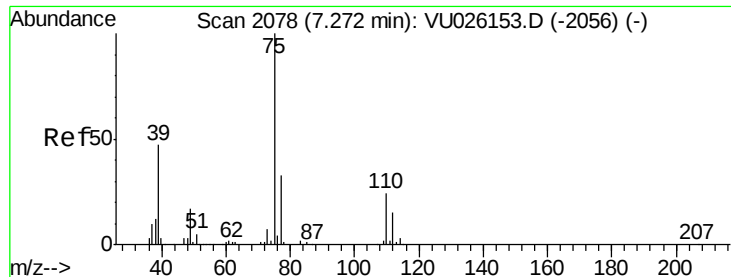
Ion Ratio Lower Upper

83 100

85 62.8 46.0 85.4

127 8.6 7.5 11.3

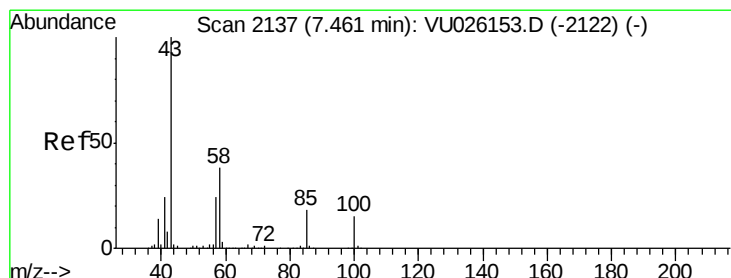
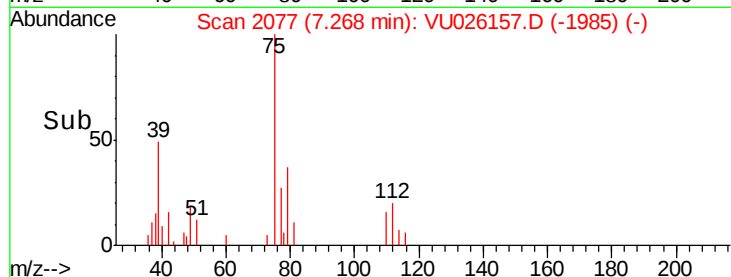
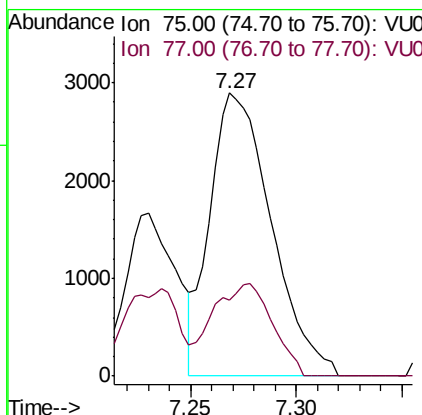
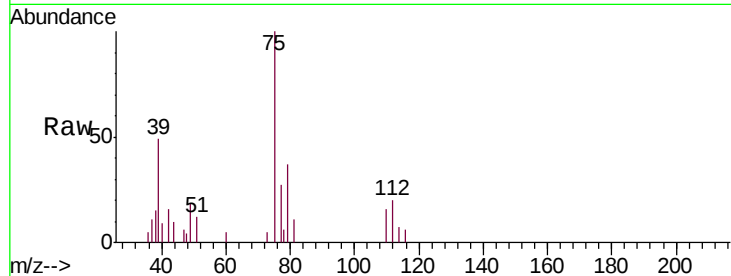




#39
 cis-1,3-Dichloropropene
 Concen: 1.951 ug/L
 RT: 7.27 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

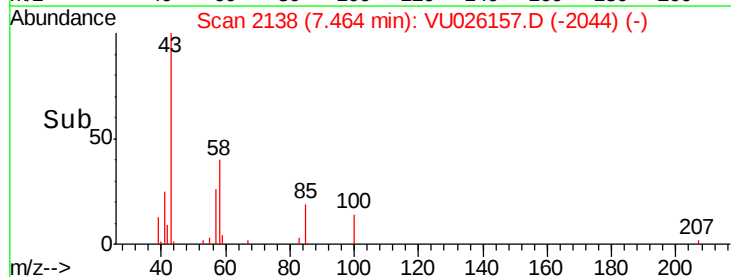
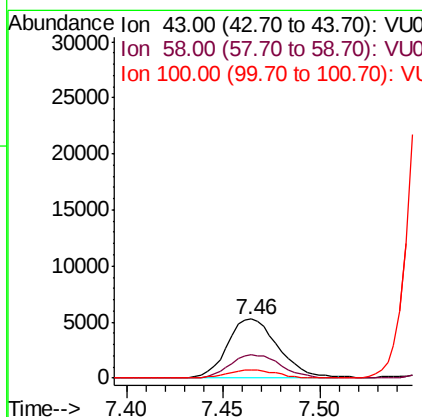
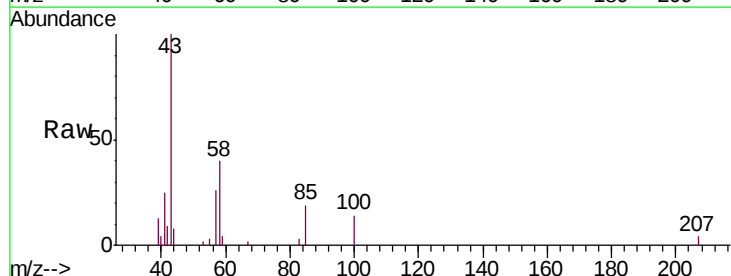
Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

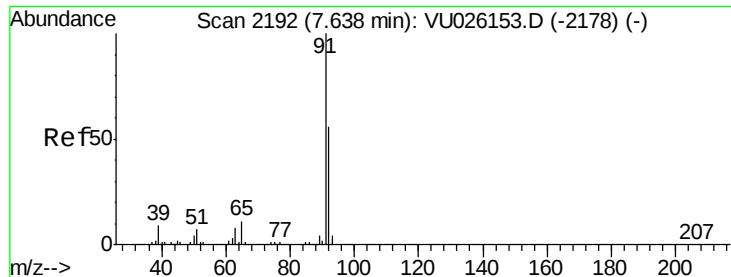
Tgt Ion: 75 Resp: 5851
 Ion Ratio Lower Upper
 75 100
 77 27.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.839 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Tgt Ion: 43 Resp: 9621
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.8 47.8
 100 13.3 12.2 18.2





#42

Toluene

Concen: 1.952 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

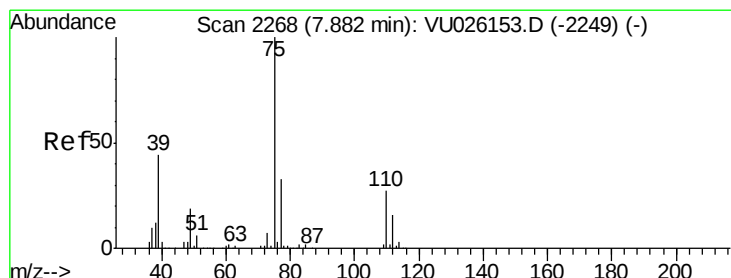
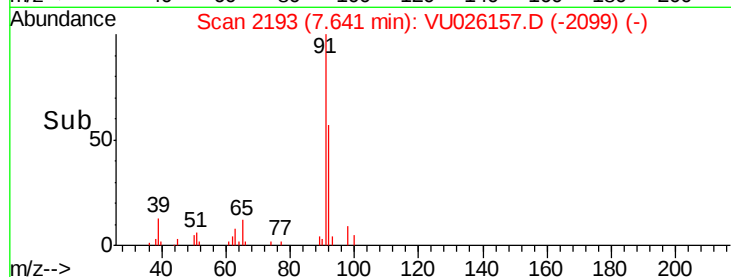
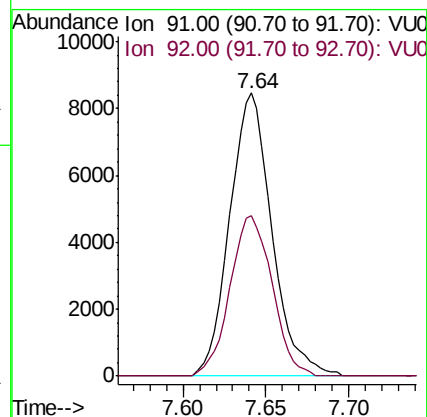
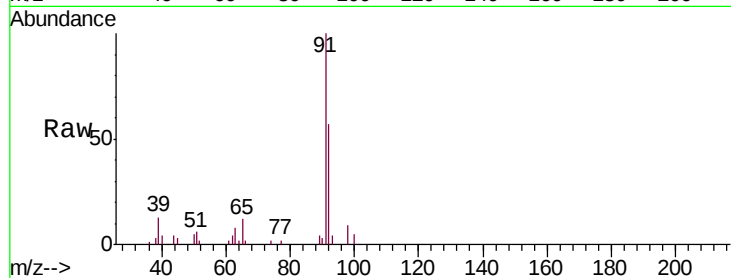
MDL02

Tgt Ion: 91 Resp: 14995

Ion Ratio Lower Upper

91 100

92 56.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 1.899 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026157.D

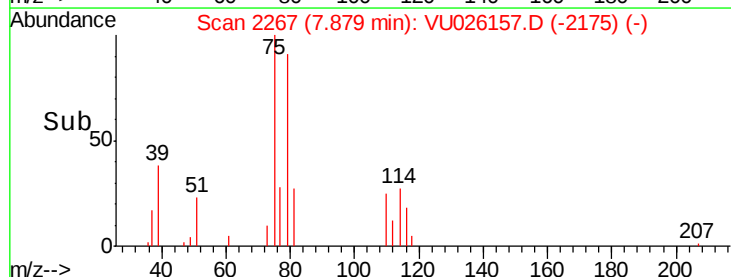
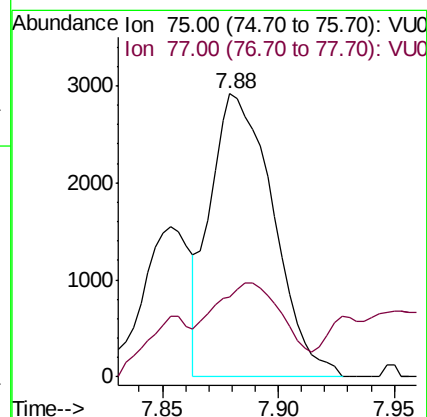
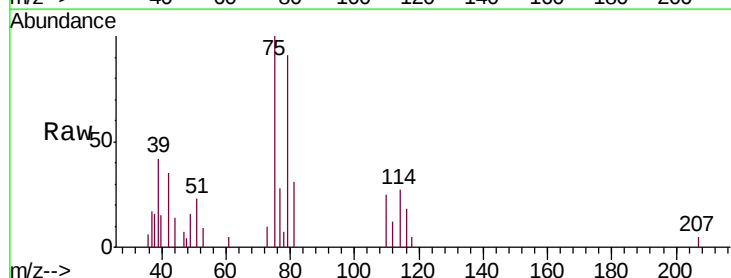
Acq: 15 Aug 2018 19:34

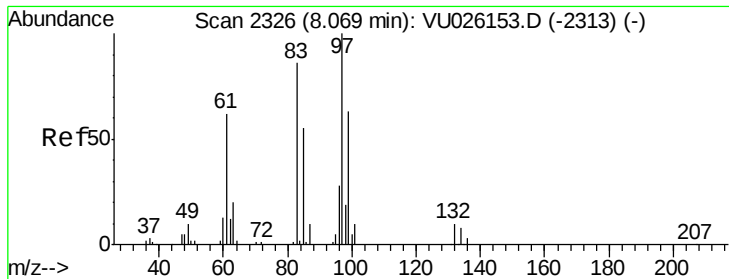
Tgt Ion: 75 Resp: 5488

Ion Ratio Lower Upper

75 100

77 28.3 22.0 41.0

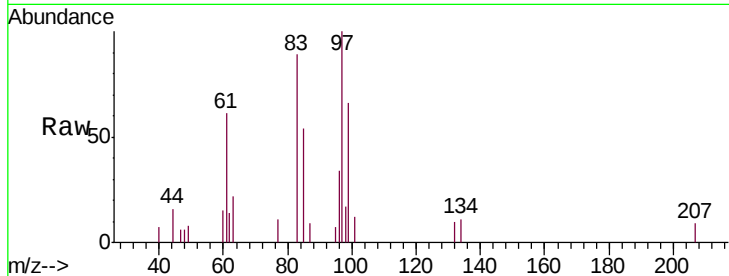




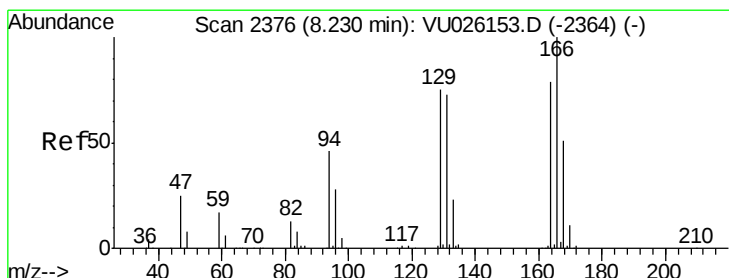
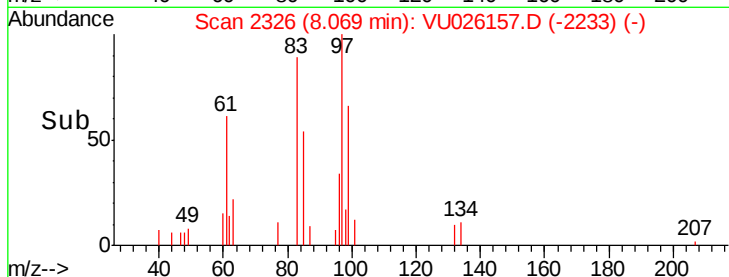
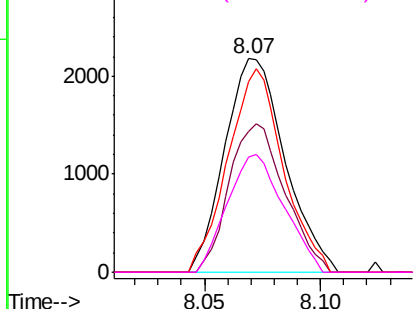
#45
 1,1,2-Trichloroethane
 Concen: 2.051 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:	97	Resp:	3929
Ion	Ratio	Lower	Upper
97	100		
99	65.8	43.3	80.5
83	89.2	58.4	108.6
85	53.8	39.0	72.4

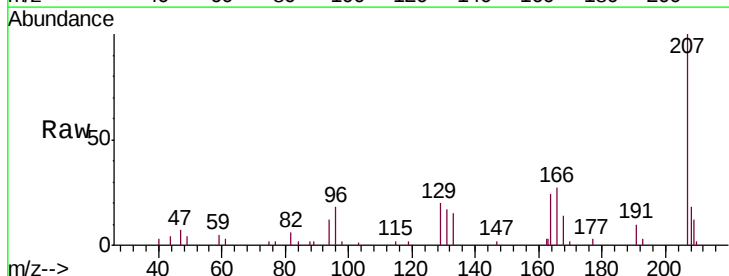


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

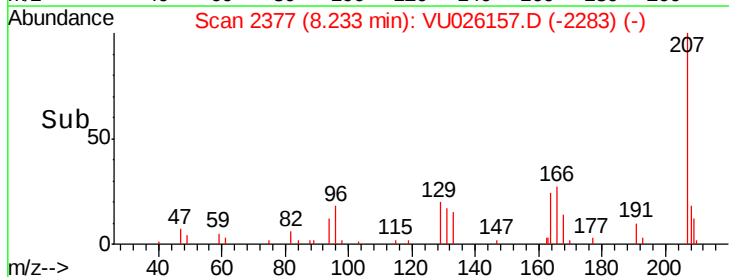
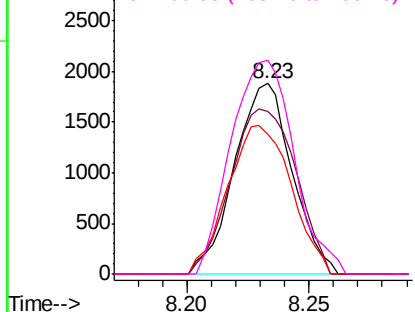


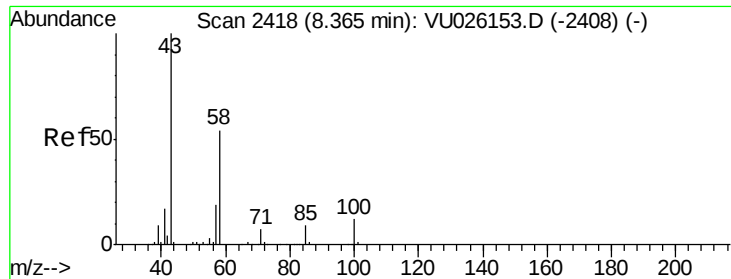
#46
 Tetrachloroethene
 Concen: 1.895 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Tgt Ion:	164	Resp:	3080
Ion	Ratio	Lower	Upper
164	100		
129	85.3	65.7	121.9
131	73.3	62.0	115.2
166	112.1	88.9	165.1



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

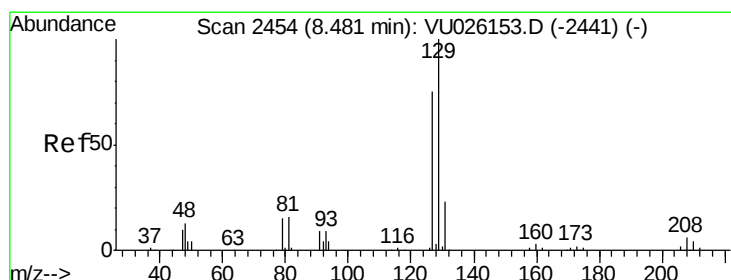
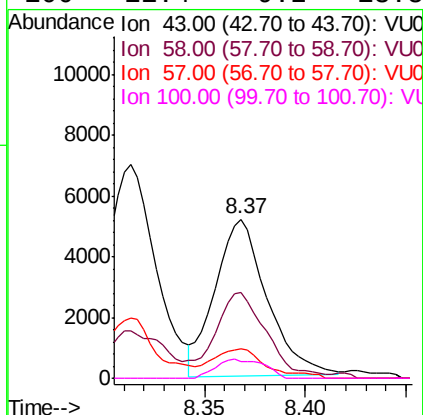
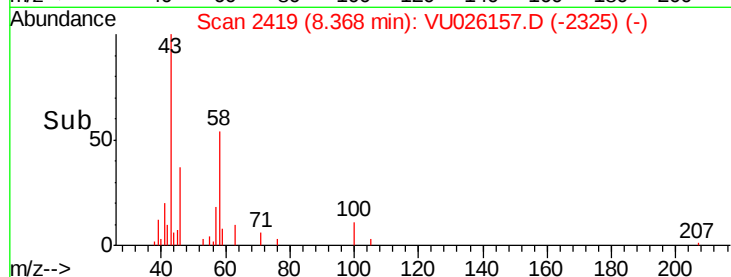
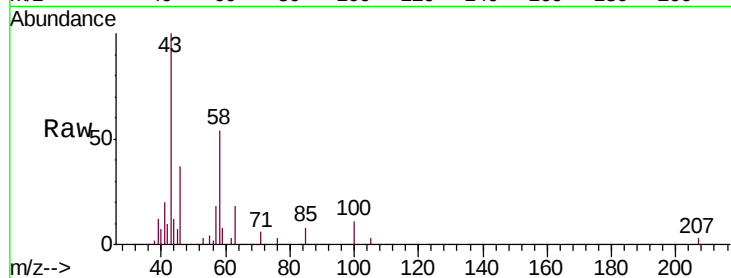




#48
2-Hexanone
Concen: 4.701 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

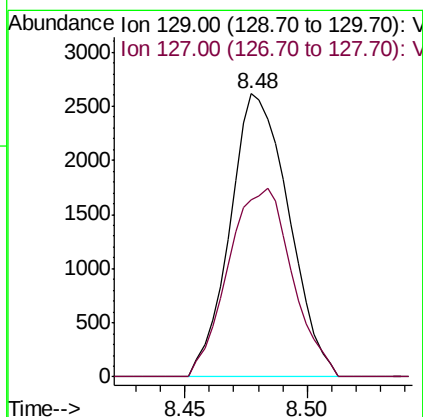
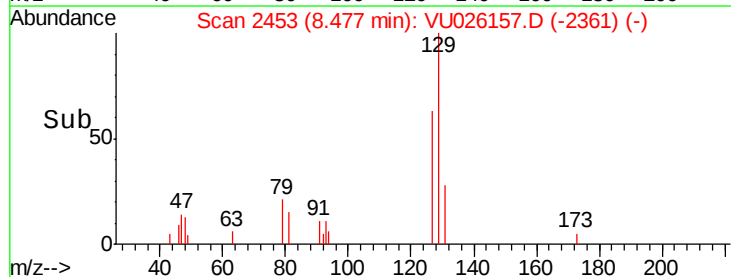
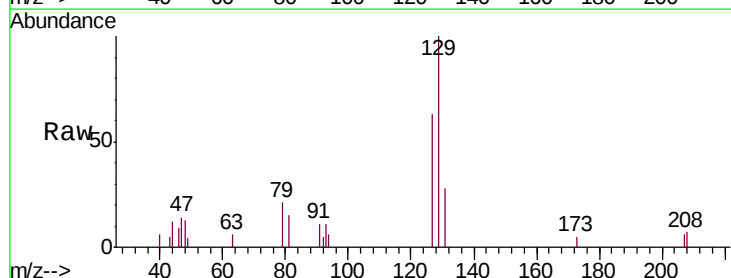
Instrument :
MSVOA_U
ClientSampled :
MDL02

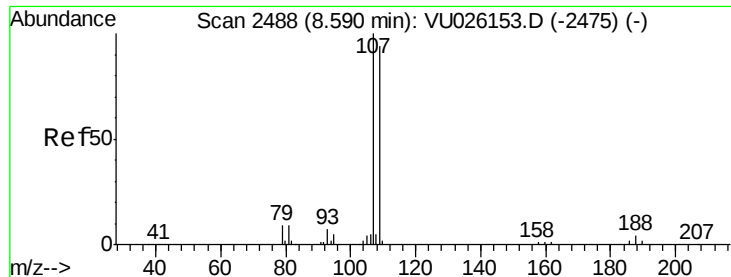
Tgt Ion: 43 Resp: 9231
Ion Ratio Lower Upper
43 100
58 52.7 42.9 64.3
57 14.1 15.1 22.7#
100 11.4 9.2 13.8



#49
Dibromochloromethane
Concen: 1.896 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026157.D
Acq: 15 Aug 2018 19:34

Tgt Ion: 129 Resp: 4373
Ion Ratio Lower Upper
129 100
127 62.6 54.6 101.4

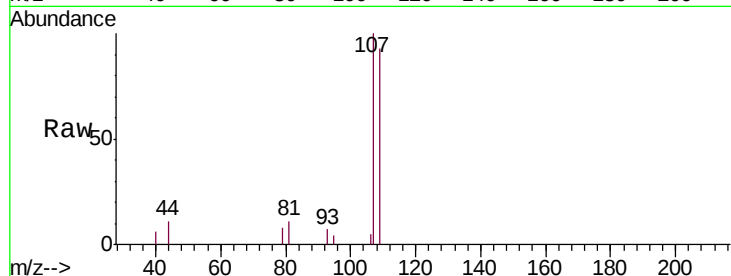




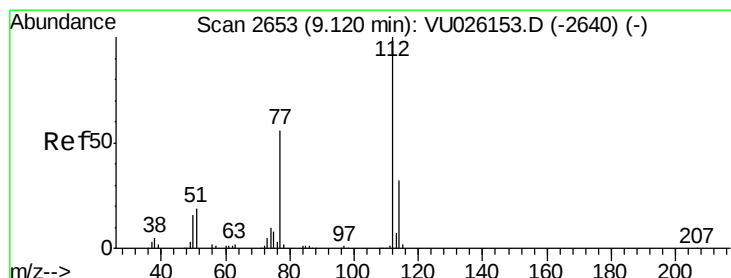
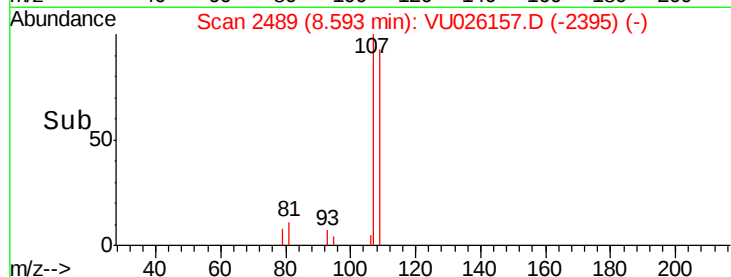
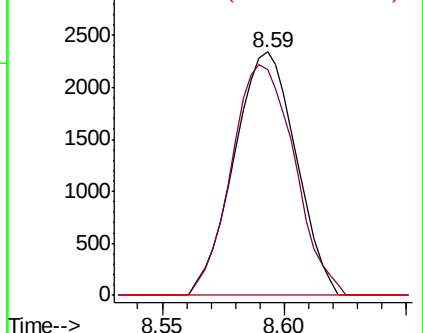
#50
 1,2-Dibromoethane
 Concen: 2.069 ug/L
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:107 Resp: 4116
 Ion Ratio Lower Upper
 107 100
 109 92.8 66.1 122.7
 188 0.0 3.2 4.8#

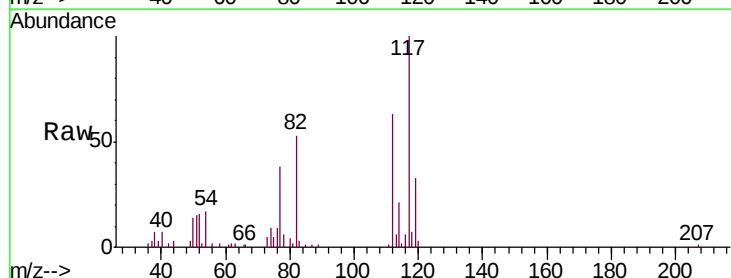


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

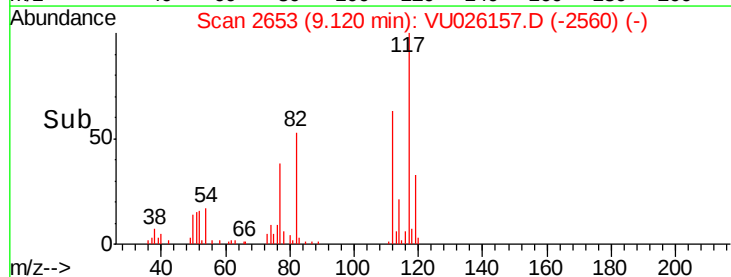
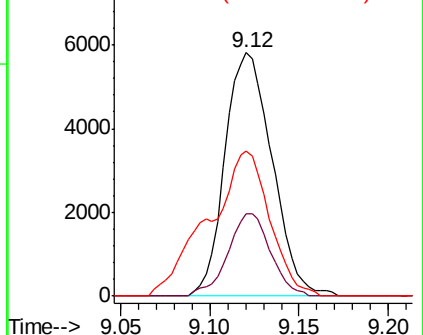


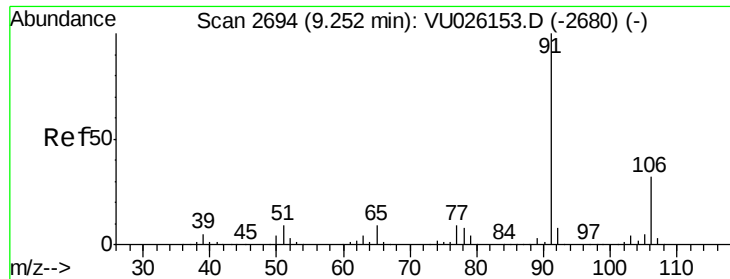
#51
 Chlorobenzene
 Concen: 2.036 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Tgt Ion:112 Resp: 10687
 Ion Ratio Lower Upper
 112 100
 114 34.0 22.5 41.9
 77 59.8 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): VU0





#52

Ethylbenzene

Concen: 1.690 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

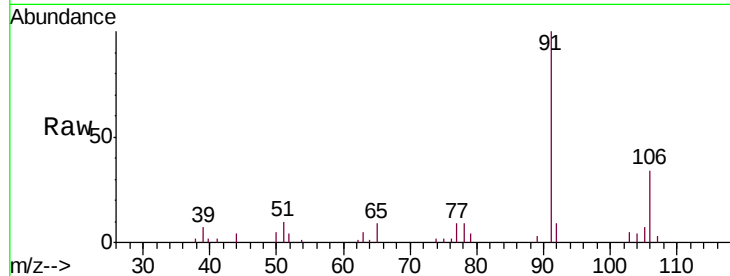
MDL02

Tgt Ion: 91 Resp: 14143

Ion Ratio Lower Upper

91 100

106 34.4 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026153.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU026157.D (-2601) (-)

9.26

8000

6000

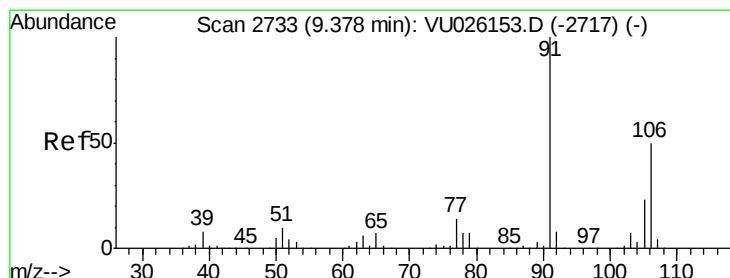
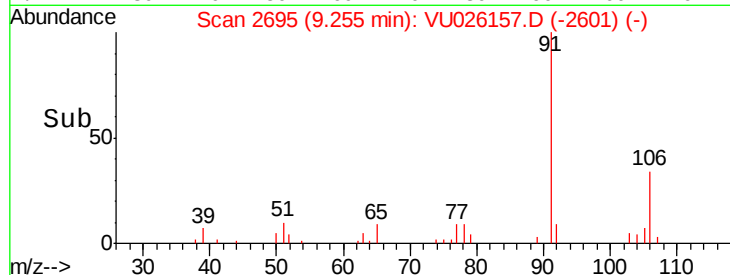
4000

2000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 1.511 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU026157.D

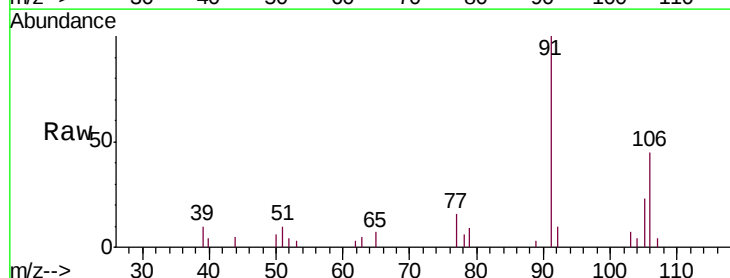
Acq: 15 Aug 2018 19:34

Tgt Ion: 106 Resp: 4873

Ion Ratio Lower Upper

106 100

91 222.0 139.2 258.4



Abundance Ion 106.00 (105.70 to 106.70): VU026157.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU026153.D (-2717) (-)

9.38

6000

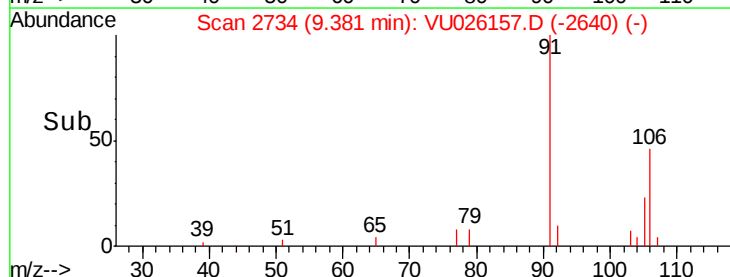
4000

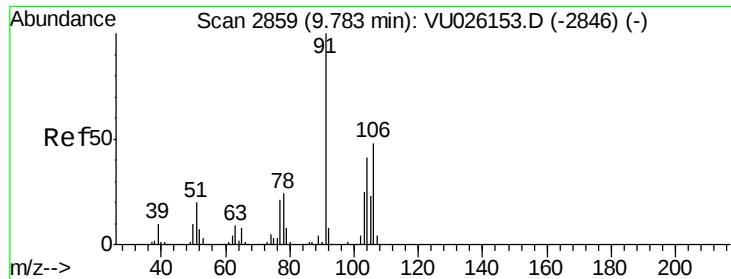
2000

0

9.35 9.40

Time-->





#54

o-xylene

Concen: 1.573 ug/L

RT: 9.79 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

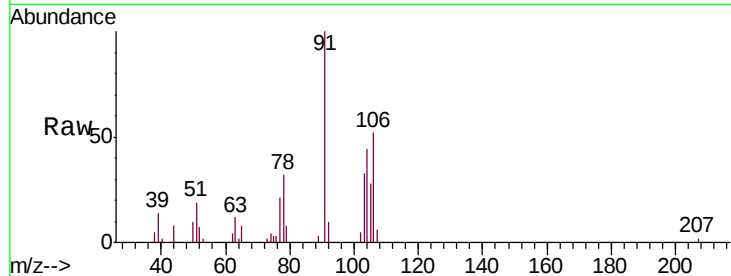
MDL02

Tgt Ion:106 Resp: 5062

Ion Ratio Lower Upper

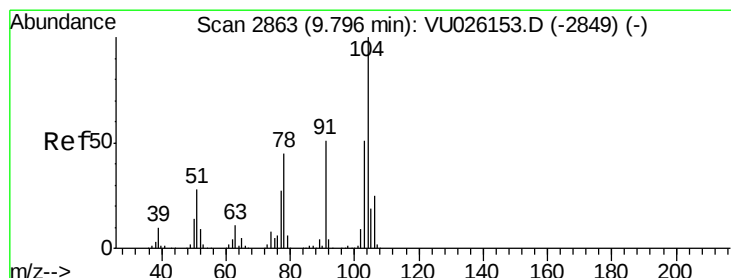
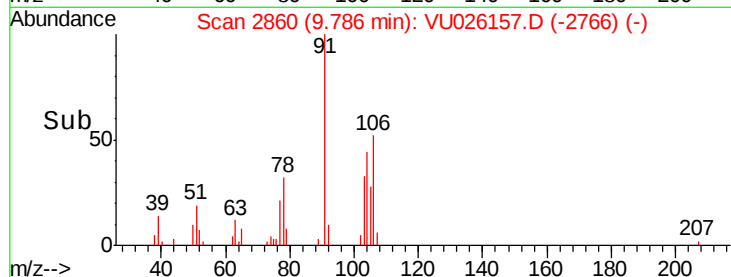
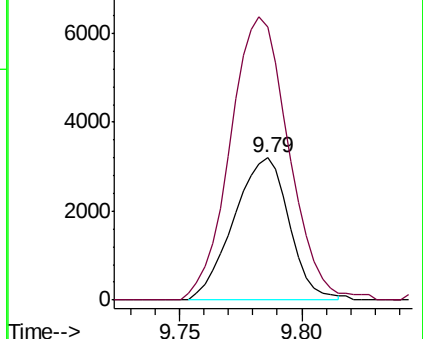
106 100

91 192.2 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.537 ug/L

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU026157.D

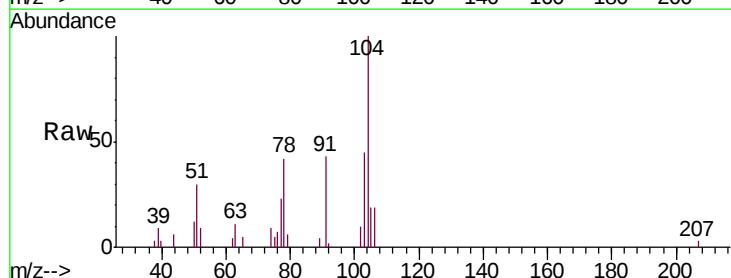
Acq: 15 Aug 2018 19:34

Tgt Ion:104 Resp: 8233

Ion Ratio Lower Upper

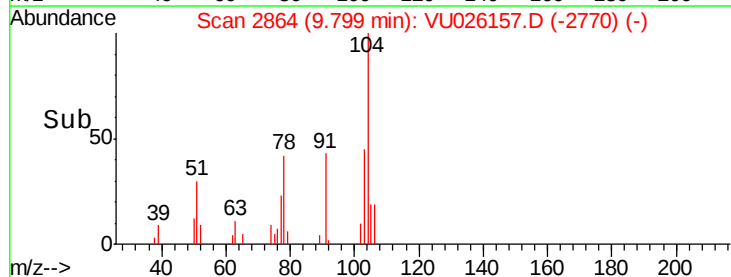
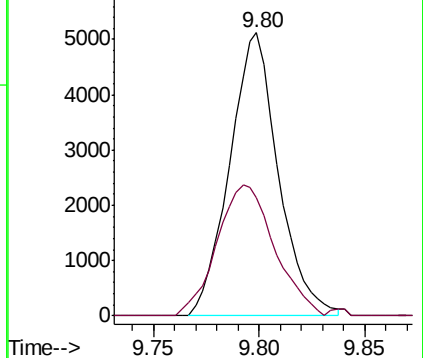
104 100

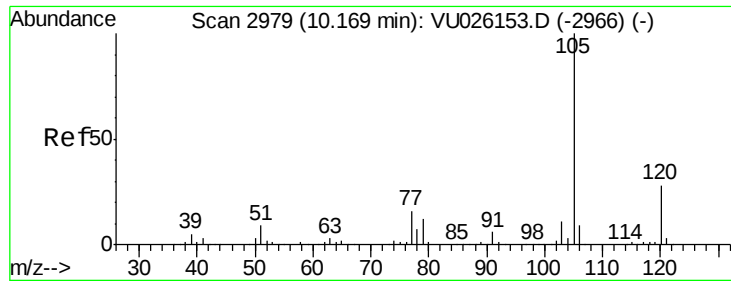
78 41.6 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.548 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampled :

MDL02

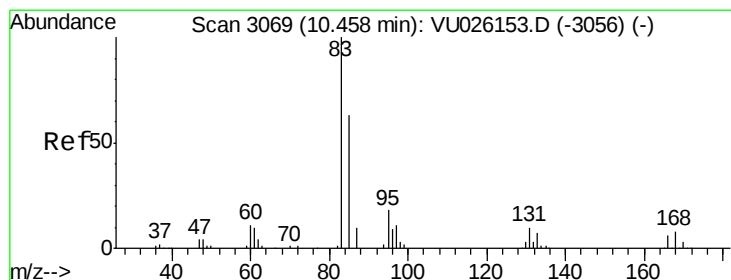
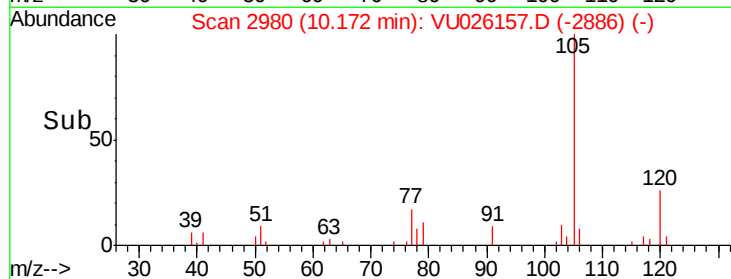
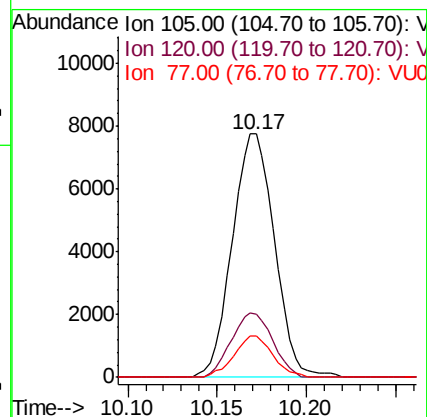
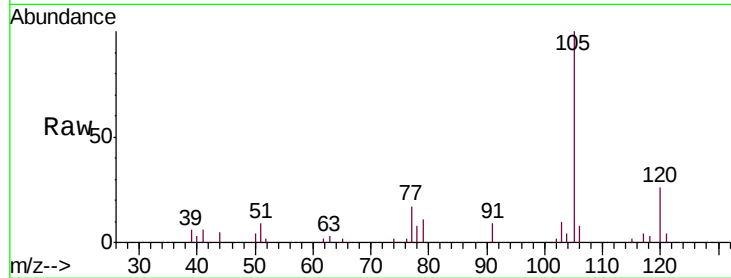
Tgt Ion: 105 Resp: 12785

Ion Ratio Lower Upper

105 100

120 25.8 21.5 32.3

77 15.6 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 2.221 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

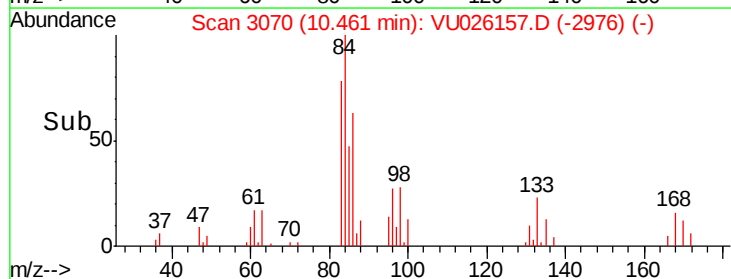
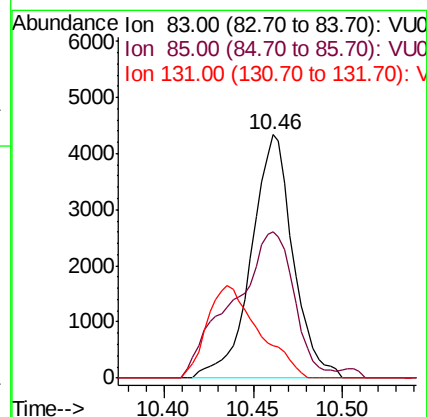
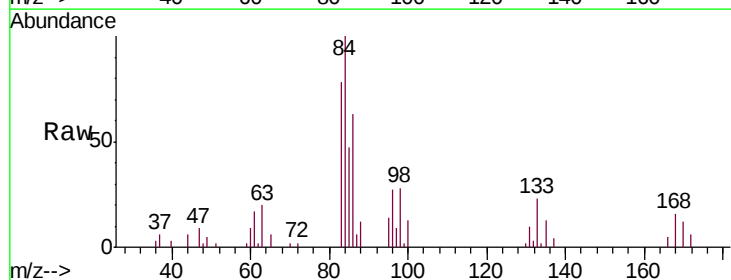
Tgt Ion: 83 Resp: 7104

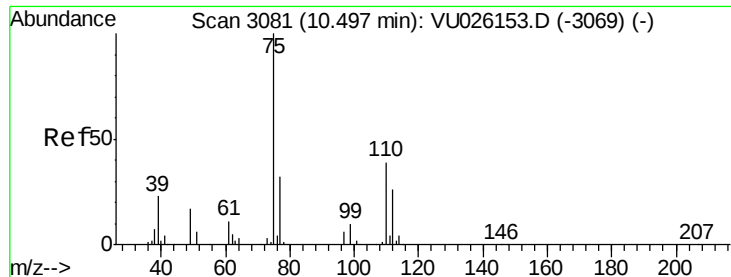
Ion Ratio Lower Upper

83 100

85 60.1 45.0 83.6

131 13.3 8.4 12.6#

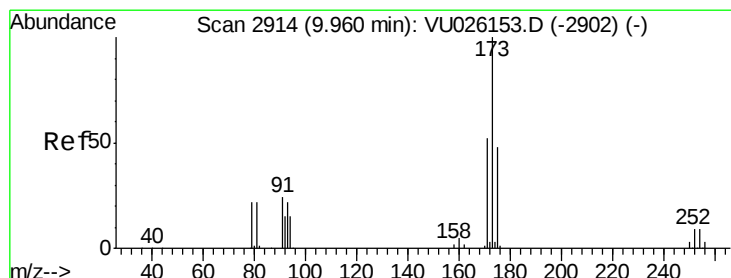
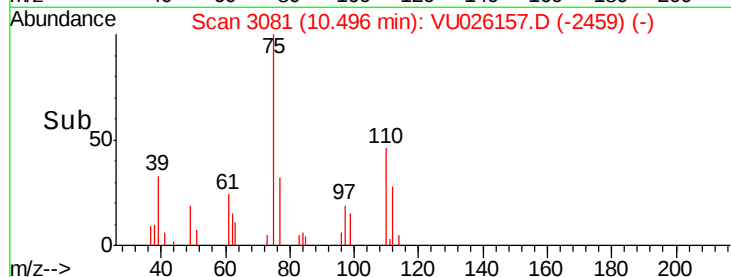
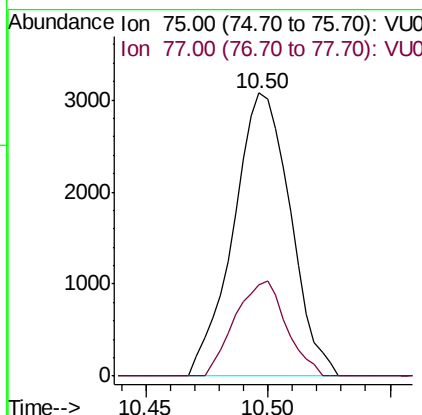
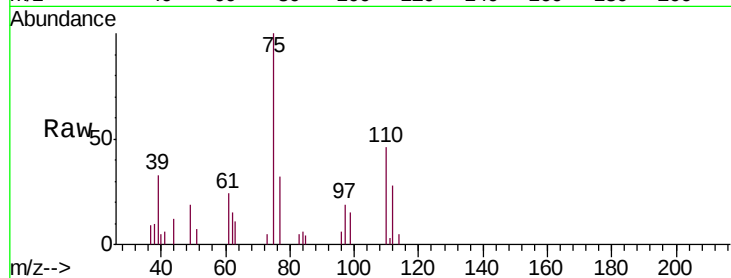




#59
 1,2,3-Trichloropropane
 Concen: 2.003 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

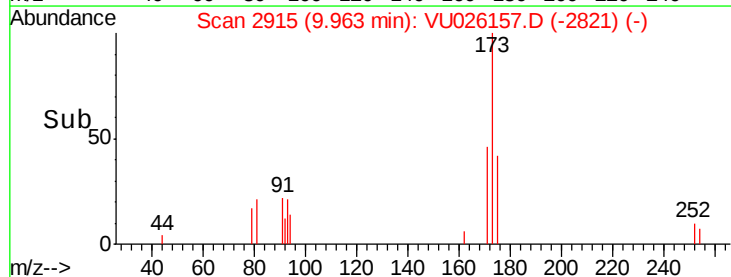
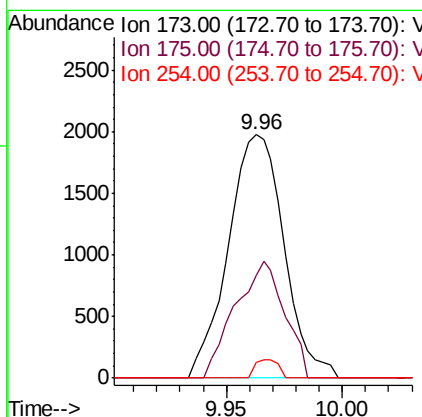
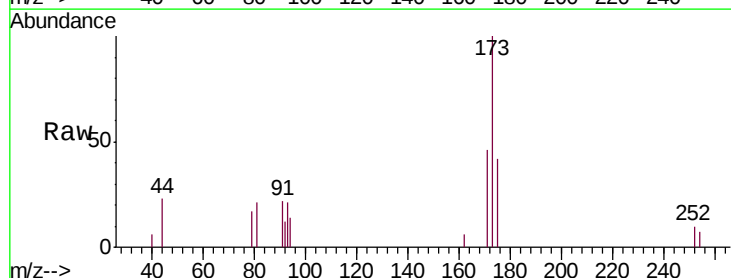
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

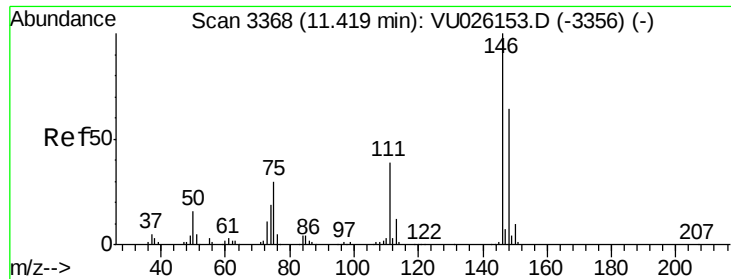
Tgt Ion: 75 Resp: 4984
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.1 39.1



#61
 Bromoform
 Concen: 2.256 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU026157.D
 Acq: 15 Aug 2018 19:34

Tgt Ion: 173 Resp: 3301
 Ion Ratio Lower Upper
 173 100
 175 42.7 38.8 58.2
 254 3.2 7.3 10.9#





#62

1,3-Dichlorobenzene

Concen: 1.795 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL02

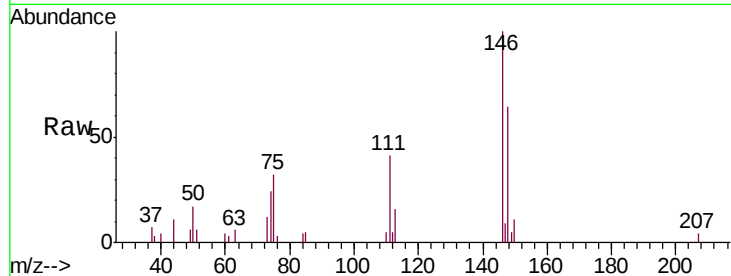
Tgt Ion:146 Resp: 6019

Ion Ratio Lower Upper

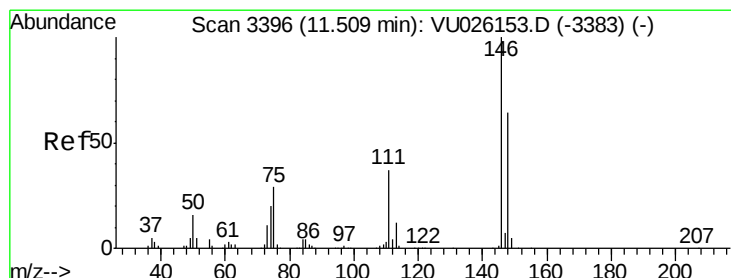
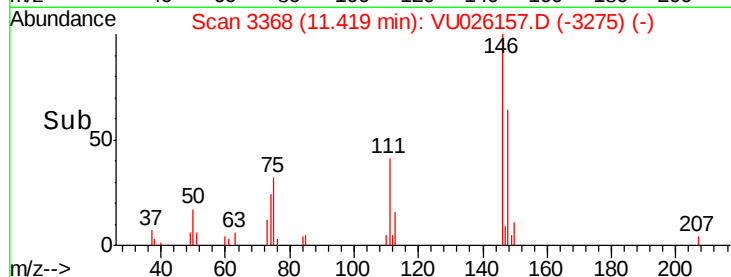
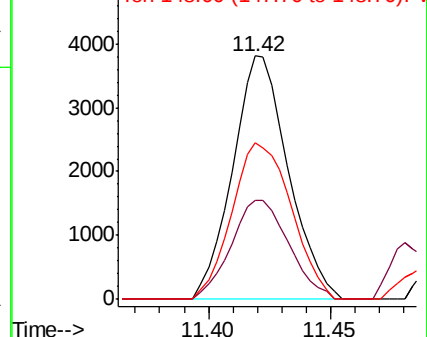
146 100

111 40.8 26.7 49.7

148 64.3 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: 1.892 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

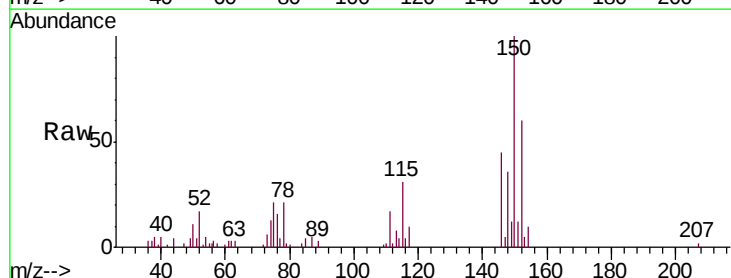
Tgt Ion:146 Resp: 6544

Ion Ratio Lower Upper

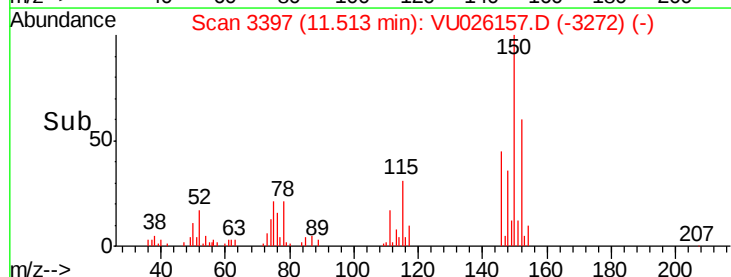
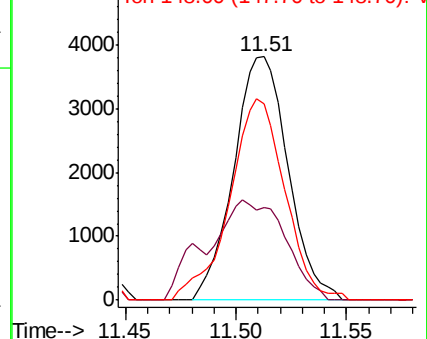
146 100

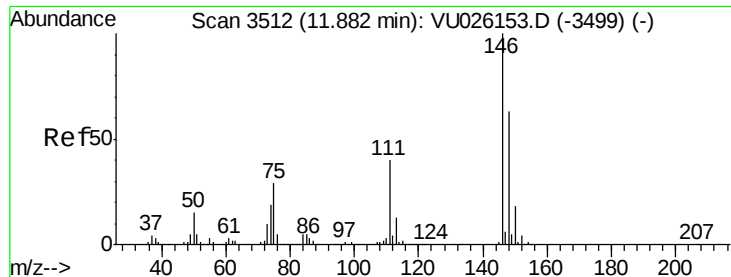
111 37.8 27.5 51.1

148 80.4 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: 2.276 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL02

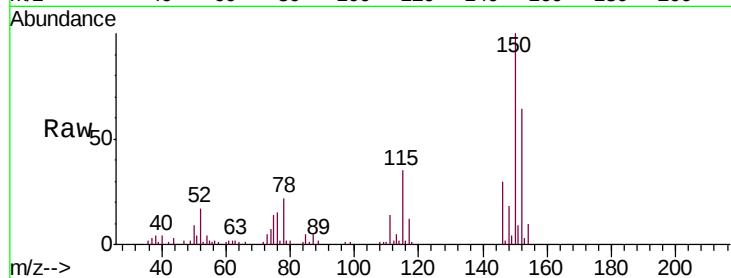
Tgt Ion:146 Resp: 8157

Ion Ratio Lower Upper

146 100

111 45.0 32.7 49.1

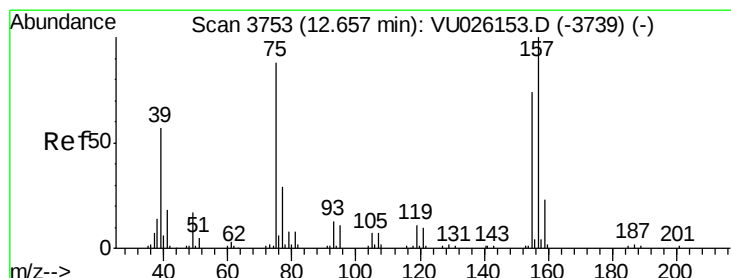
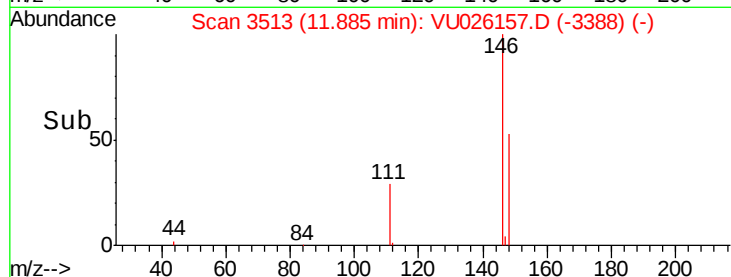
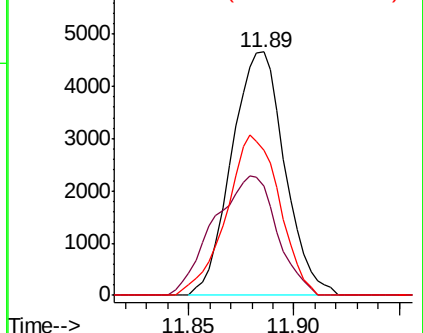
148 59.4 51.4 77.2



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: 2.047 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

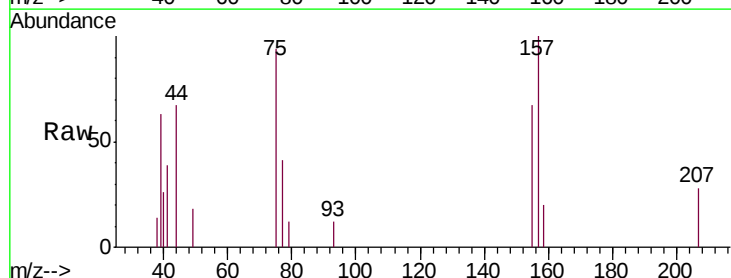
Tgt Ion: 75 Resp: 1163

Ion Ratio Lower Upper

75 100

155 70.5 68.2 102.2

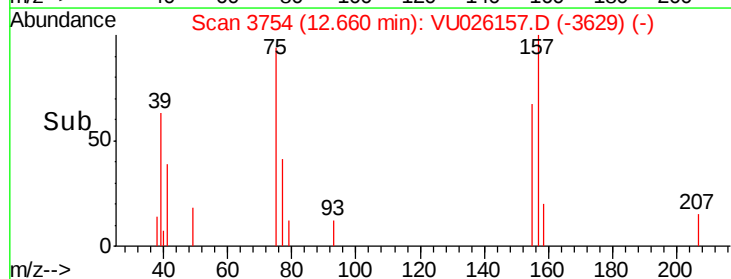
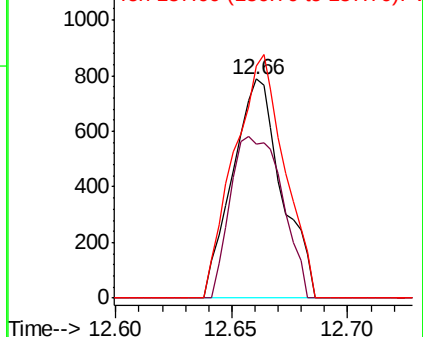
157 105.8 90.5 135.7

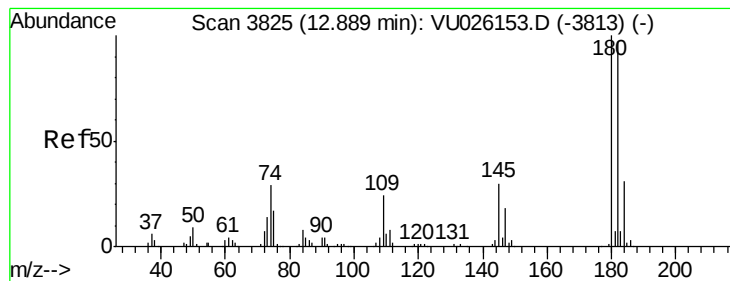


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 1.689 ug/L

RT: 12.90 min Scan# 3827

Delta R.T. 0.01 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:180 Resp: 4183

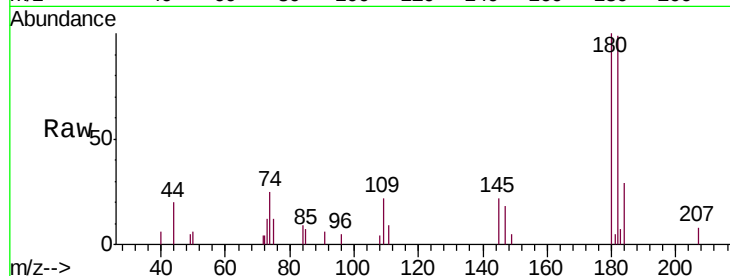
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

184 15.9 24.3 36.5#

145 27.6 23.3 34.9



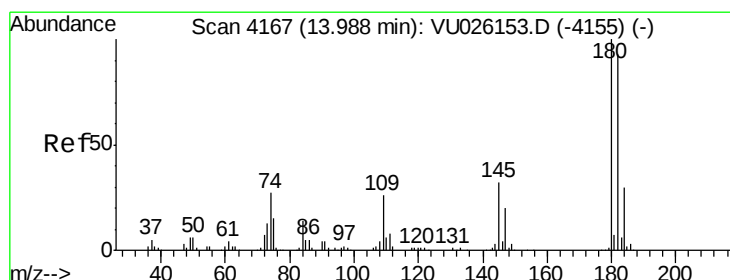
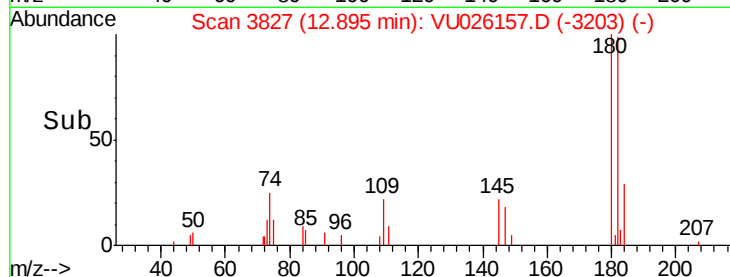
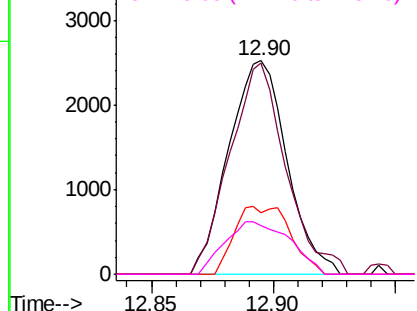
Abundance

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



#70

1,2,3-Trichlorobenzene

Concen: 1.236 ug/L

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU026157.D

Acq: 15 Aug 2018 19:34

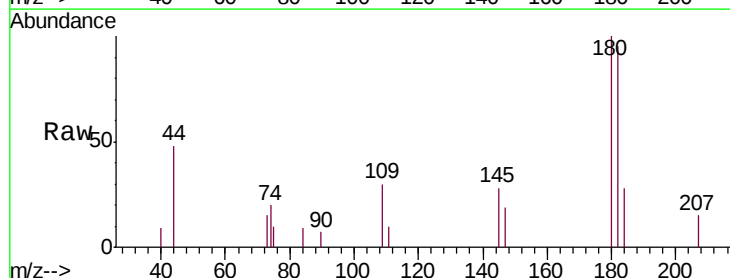
Tgt Ion:180 Resp: 2487

Ion Ratio Lower Upper

180 100

182 101.1 77.1 115.7

145 27.5 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

