

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012121\
 Data File : VU042141.D
 Acq On : 21 Jan 2021 11:23
 Operator : SY/MD
 Sample : M1164-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP8

Quant Time: Jan 22 02:45:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 22 02:43:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	118118	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	109810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	55706	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	33354	4.38	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	87.60%		
7) Chloroethane-d5	1.919	69	27741	4.52	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	90.40%		
11) 1,1-Dichloroethene-d2	2.571	63	60146	3.58	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	71.60%		
20) 2-Butanone-d5	4.652	46	146447	52.67	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	105.34%		
24) Chloroform-d	5.073	84	73370	4.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	92.20%		
26) 1,2-Dichloroethane-d4	5.713	65	45796	4.81	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	96.20%		
32) Benzene-d6	5.735	84	137671	4.80	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	96.00%		
36) 1,2-Dichloropropane-d6	6.700	67	45896	4.96	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	99.20%		
41) Toluene-d8	7.906	98	125294	4.62	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	92.40%		
43) trans-1,3-Dichloroprop...	8.189	79	22235	4.74	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	94.80%		
46) 2-Hexanone-d5	8.645	63	105652	51.76	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	103.52%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	39619	4.99	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	99.80%		
64) 1,2-Dichlorobenzene-d4	12.201	152	49553	4.95	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	99.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	73656	6.62	ug/L	99
3) Chloromethane	1.520	50	683	0.07	ug/L	89
9) Trichlorofluoromethane	2.144	101	1271	0.10	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	467	0.06	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	6546	0.82	ug/L #	1
13) Acetone	2.671	43	3565	1.93	ug/L	79
17) Methyl tert-butyl Ether	3.372	73	6880	0.30	ug/L #	93
18) trans-1,2-Dichloroethene	3.359	96	1665	0.20	ug/L	97
19) 1,1-Dichloroethane	3.880	63	3247	0.21	ug/L	96
22) cis-1,2-Dichloroethene	4.678	96	27027	2.98	ug/L	94
25) Chloroform	5.092	83	2816	0.17	ug/L	97
27) 1,2-Dichloroethane	5.803	62	608	0.05	ug/L #	75
31) Carbon tetrachloride	5.530	117	637	0.05	ug/L	83
33) Benzene	5.784	78	2243	0.07	ug/L	100
34) Trichloroethene	6.549	95	519607	59.63	ug/L	99
35) Methylcyclohexane	6.700	83	10854	0.74	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	5307	0.62	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1600	0.11	ug/L #	73
42) Toluene	7.976	91	3499	0.10	ug/L	96
44) trans-1,3-Dichloropropene	8.189	75	927	0.07	ug/L #	63

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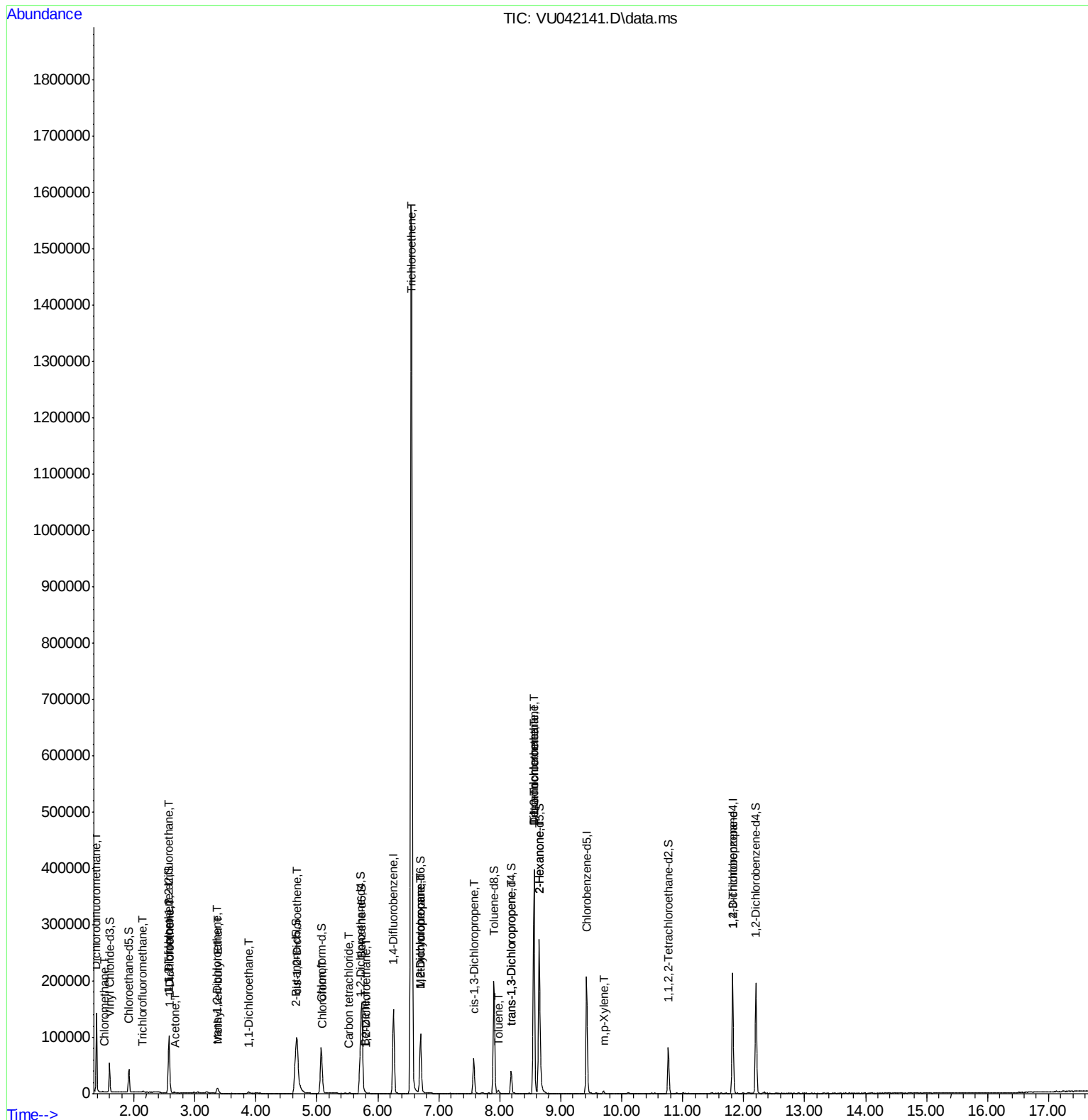
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45)	1,1,2-Trichloroethane	8.558	97	760	0.12	ug/L #	10
47)	Tetrachloroethene	8.562	164	88673	12.24	ug/L	99
48)	2-Hexanone	8.645	43	14335	2.83	ug/L #	70
49)	Dibromochloromethane	8.558	129	78216	9.34	ug/L #	12
53)	m,p-Xylene	9.703	106	1347	0.09	ug/L	85
59)	1,2,3-Trichloropropane	11.819	75	6338	1.05	ug/L	96

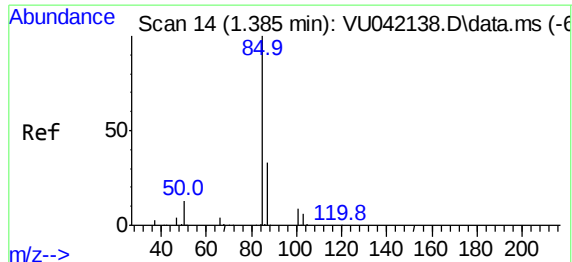
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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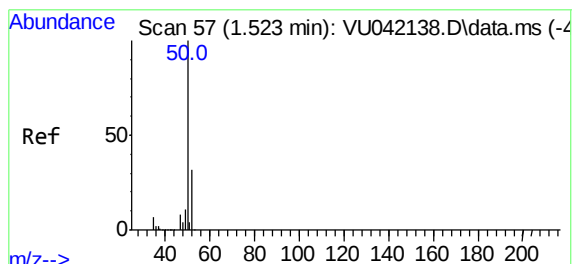
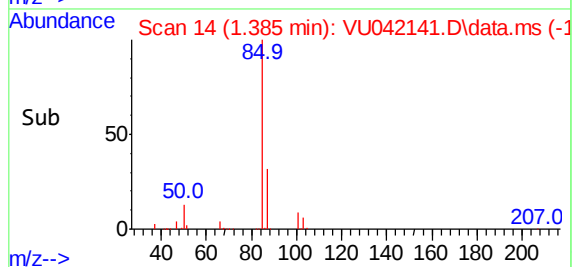
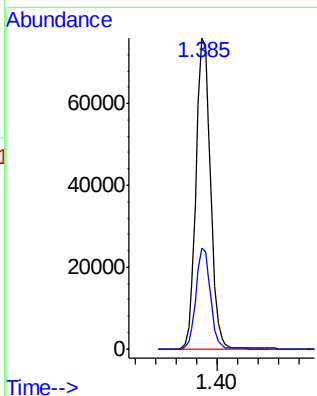
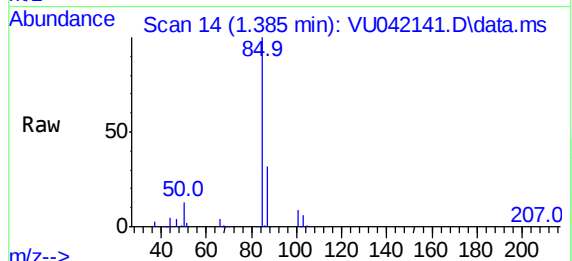


#2

Dichlorodifluoromethane
Concen: 6.62 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Instrument :
MSVOA_U
ClientSampleId :
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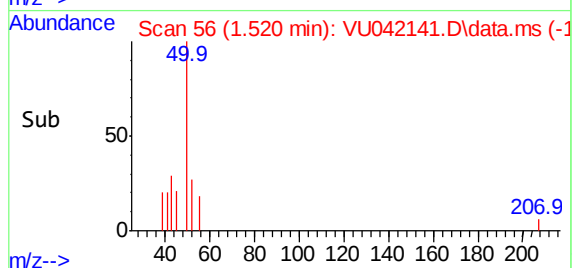
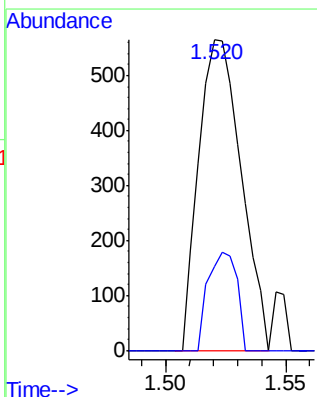
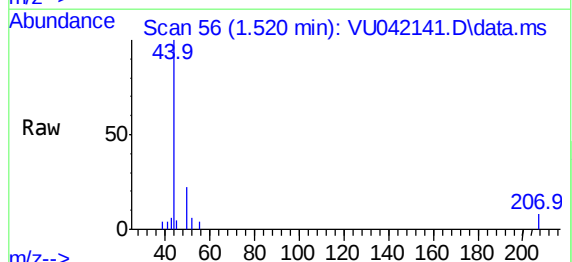
Tgt Ion: 85 Resp: 73656
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1

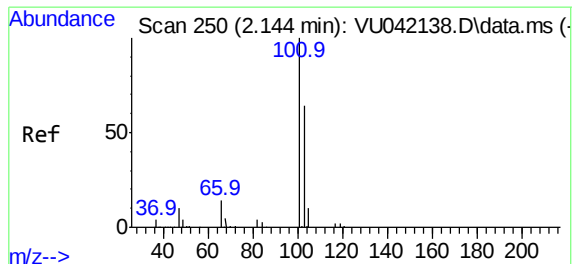


#3

Chloromethane
Concen: 0.07 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 50 Resp: 683
Ion Ratio Lower Upper
50 100
52 26.9 23.0 42.8

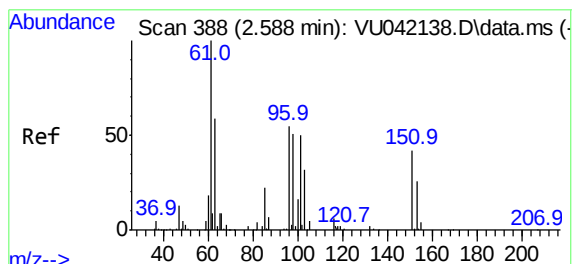
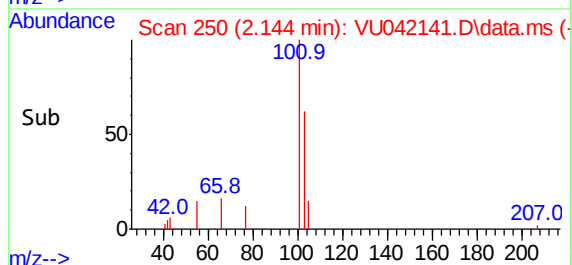
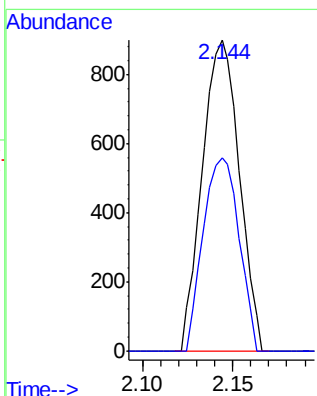
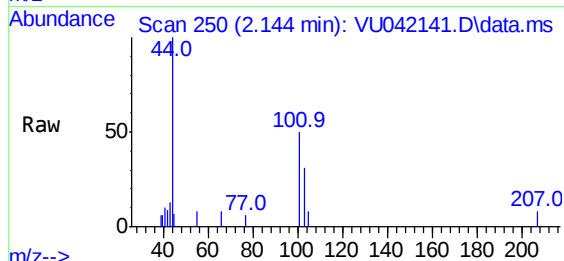




#9
Trichlorofluoromethane
Concen: 0.10 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

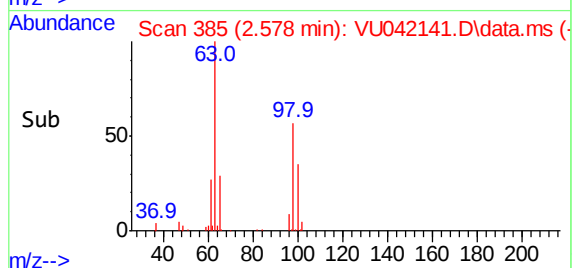
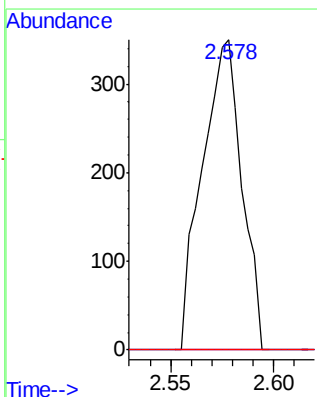
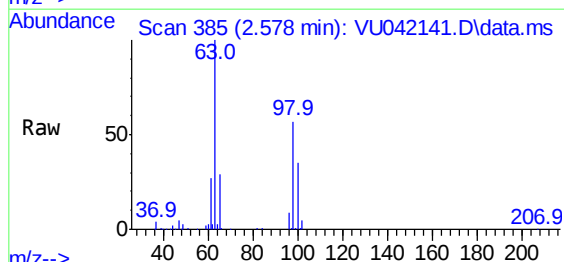
Instrument :
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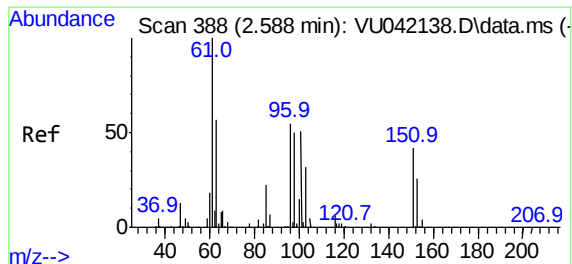
Tgt Ion:101 Resp: 1271
Ion Ratio Lower Upper
101 100
103 60.1 51.8 77.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion:101 Resp: 467
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

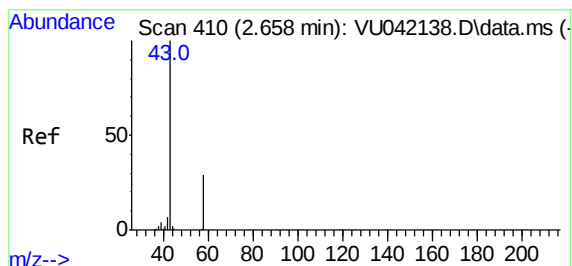
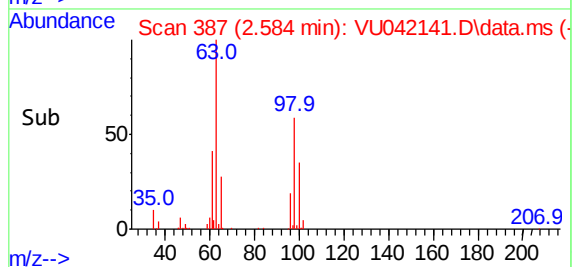
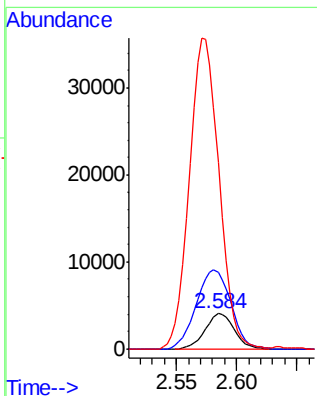
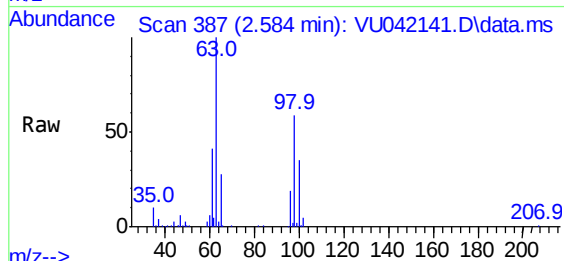




#12
1,1-Dichloroethene
Concen: 0.82 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

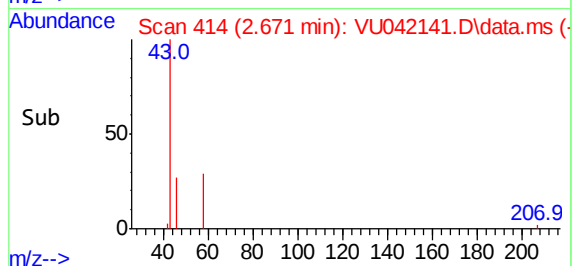
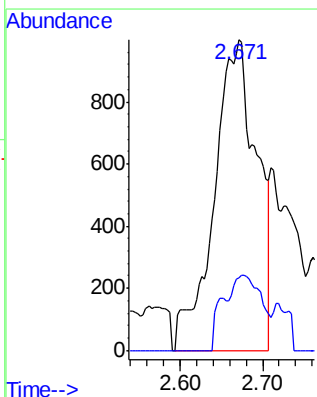
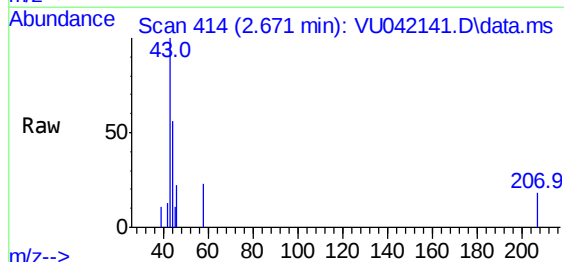
Instrument :
MSVOA_U
ClientSampleId :
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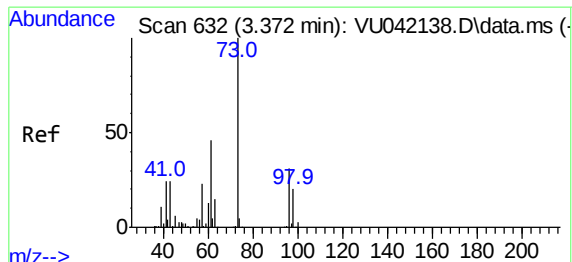
Tgt Ion: 96 Resp: 6546
Ion Ratio Lower Upper
96 100
61 217.3 126.2 234.4
63 531.8 77.8 144.4#



#13
Acetone
Concen: 1.93 ug/L
RT: 2.671 min Scan# 414
Delta R.T. 0.013 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 43 Resp: 3565
Ion Ratio Lower Upper
43 100
58 16.8 0.0 55.8

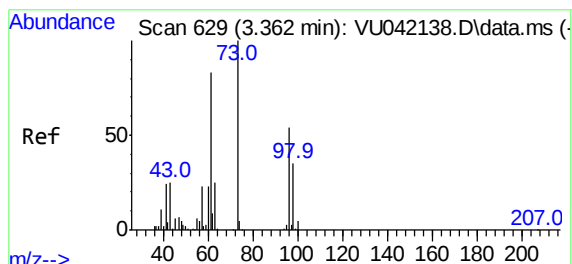
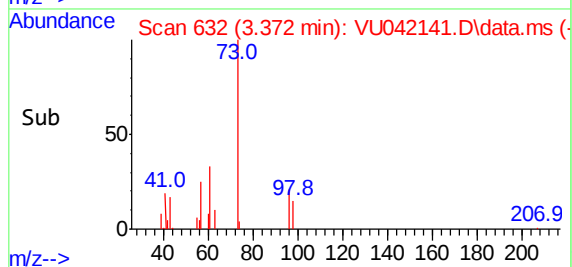
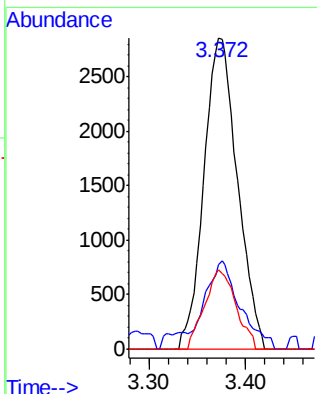
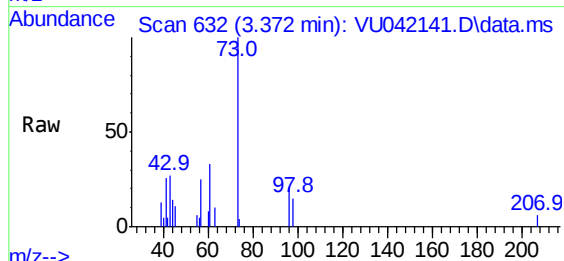




#17
Methyl tert-butyl Ether
Concen: 0.30 ug/L
RT: 3.372 min Scan# 632
Delta R.T. -0.000 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

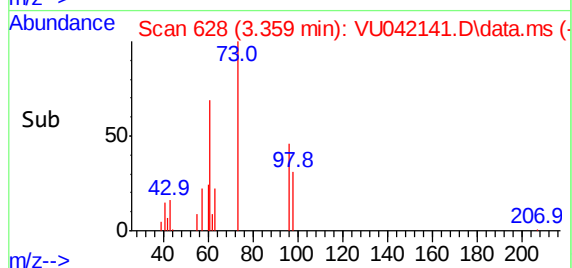
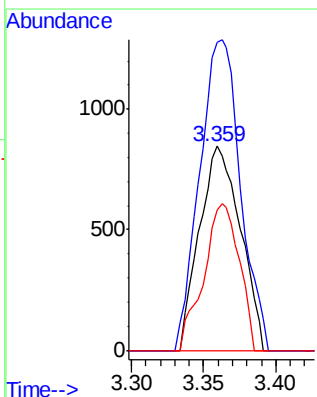
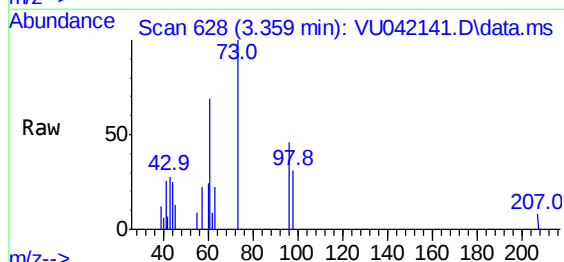
Instrument :
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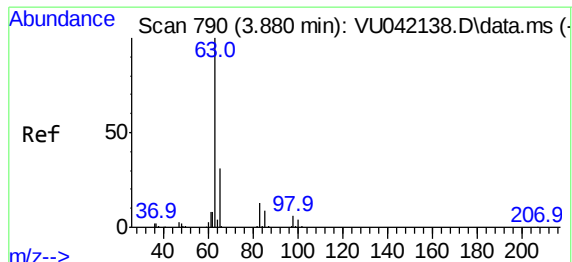
Tgt Ion: 73 Resp: 6880
Ion Ratio Lower Upper
73 100
43 29.2 18.9 28.3#
57 23.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 0.20 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 96 Resp: 1665
Ion Ratio Lower Upper
96 100
61 150.9 105.7 196.3
98 68.7 42.8 79.6

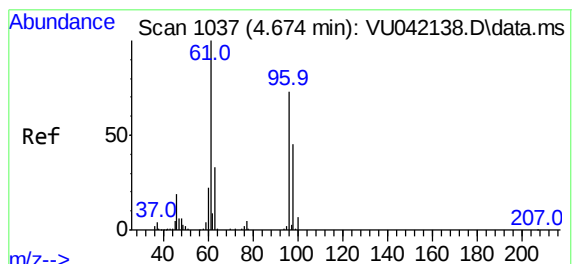
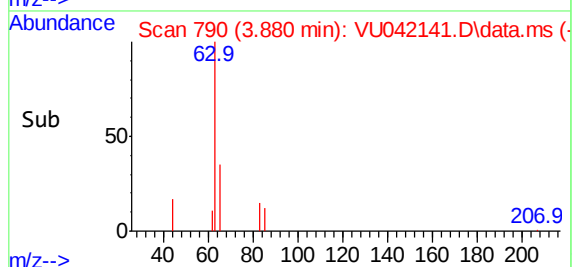
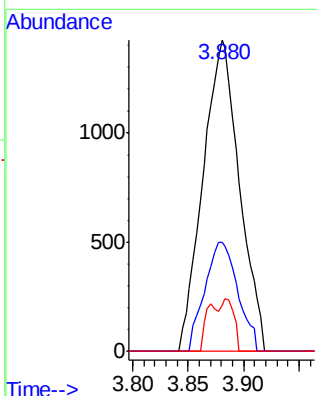
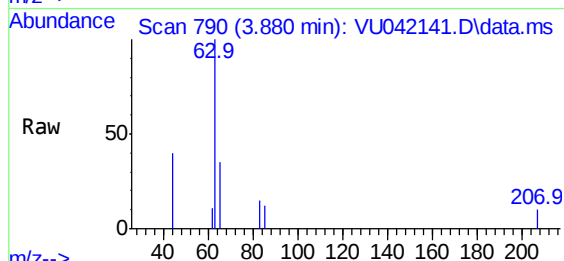




#19
1,1-Dichloroethane
Concen: 0.21 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

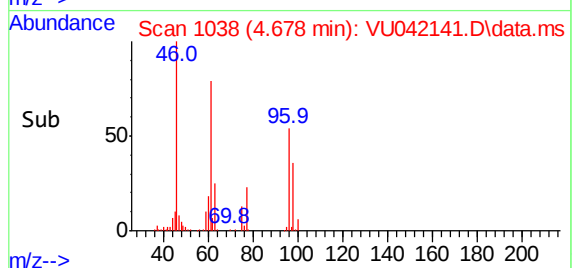
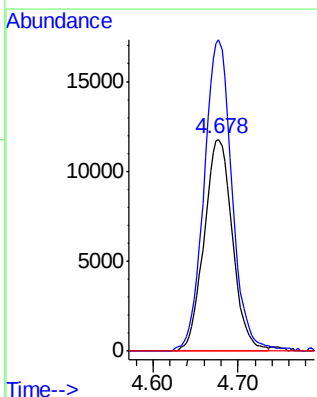
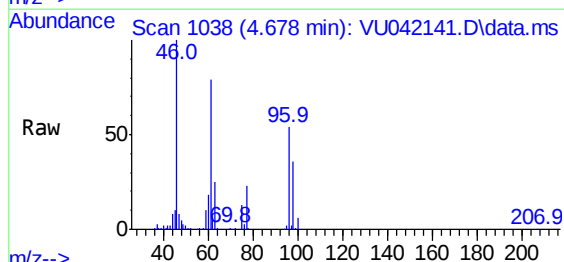
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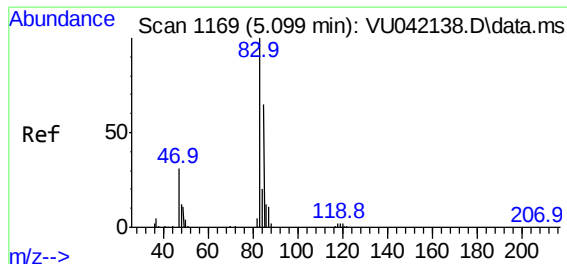
Tgt Ion: 63 Resp: 3247
Ion Ratio Lower Upper
63 100
65 35.1 22.5 41.9
83 14.7 10.1 18.7



#22
cis-1,2-Dichloroethene
Concen: 2.98 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 96 Resp: 27027
Ion Ratio Lower Upper
96 100
61 147.3 97.8 181.6
68 0.0 0.0 0.0

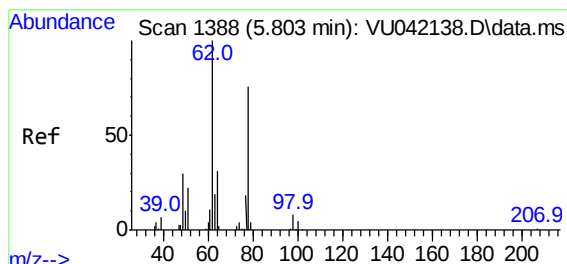
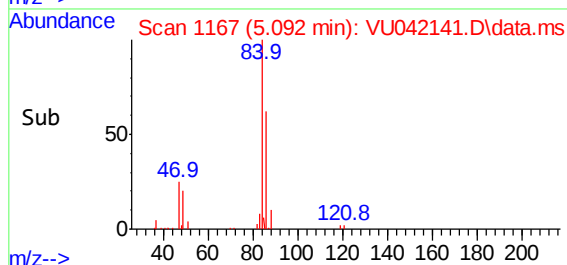
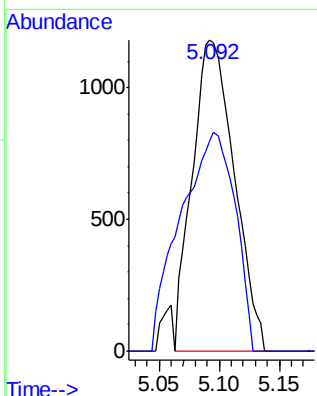
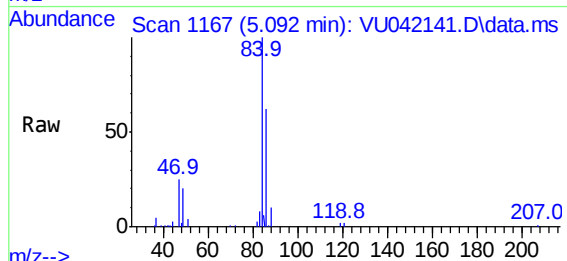




#25
Chloroform
Concen: 0.17 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

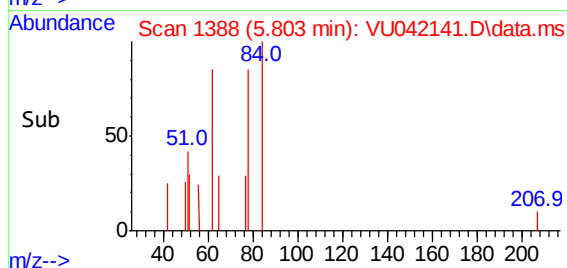
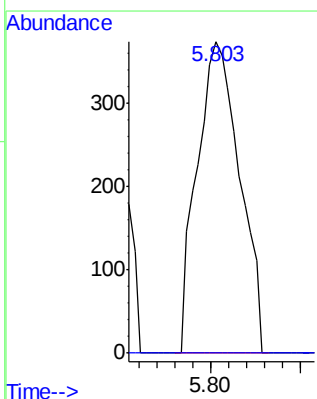
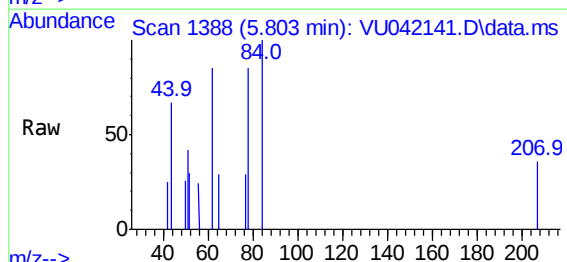
Instrument :
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ClientSampled :
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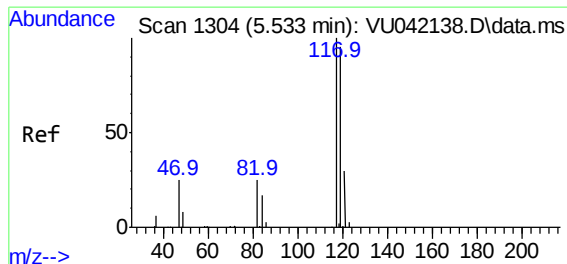
Tgt Ion: 83 Resp: 2816
Ion Ratio Lower Upper
83 100
85 67.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.05 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 62 Resp: 608
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

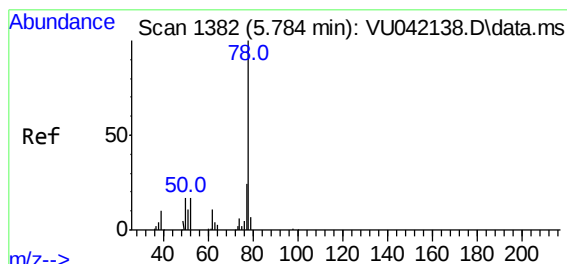
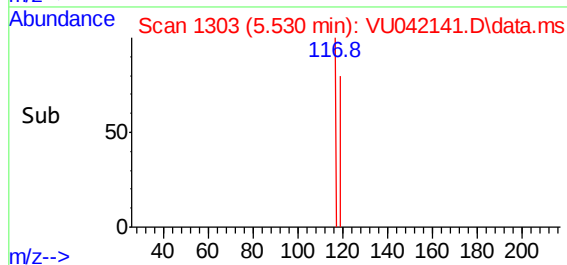
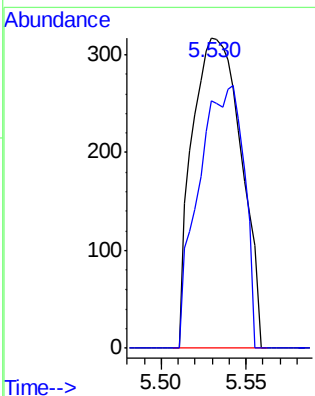
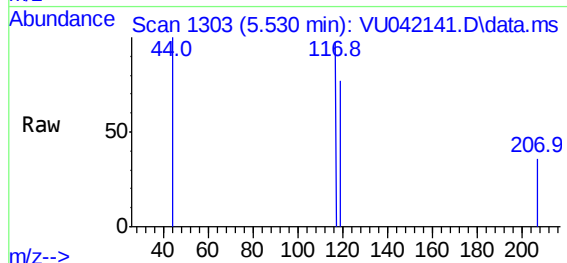




#31
Carbon tetrachloride
Concen: 0.05 ug/L
RT: 5.530 min Scan# 1303
Delta R.T. -0.003 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

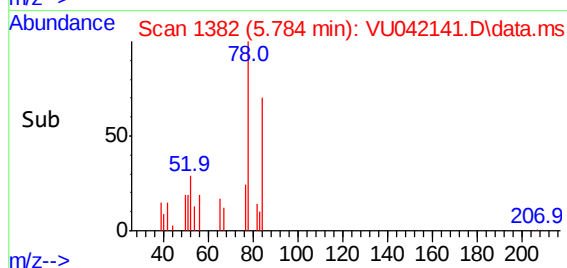
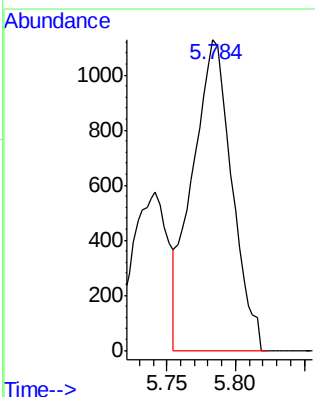
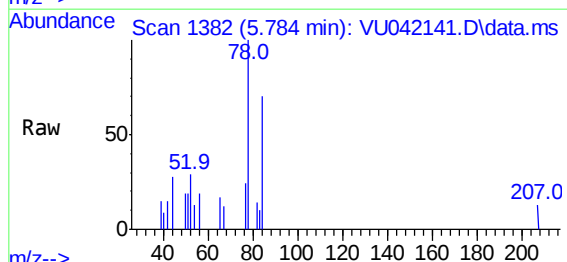
Instrument :
MSVOA_U
ClientSampleId :
BFXP8

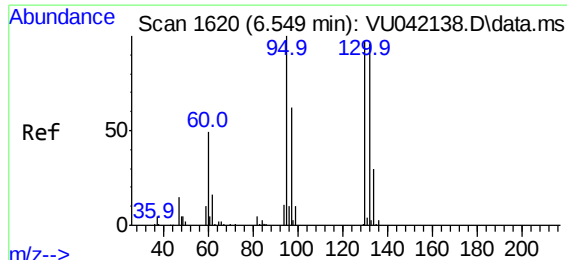
Tgt Ion:117 Resp: 637
Ion Ratio Lower Upper
117 100
119 78.5 76.2 114.4



#33
Benzene
Concen: 0.07 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 78 Resp: 2243





#34

Trichloroethene

Concen: 59.63 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VU042141.D

Acq: 21 Jan 2021 11:23

Tgt Ion: 95 Resp: 519607

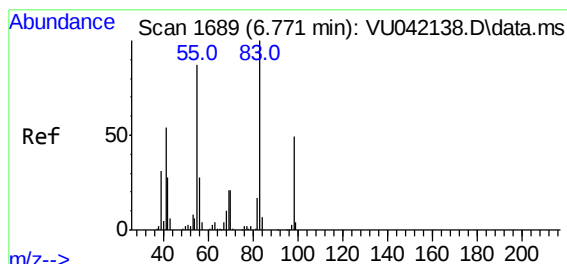
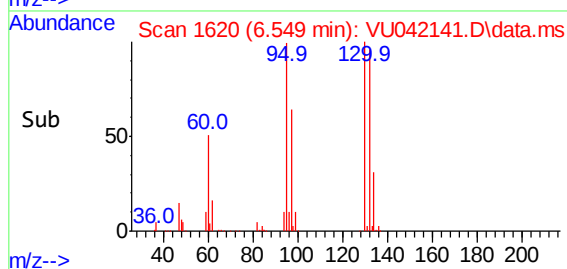
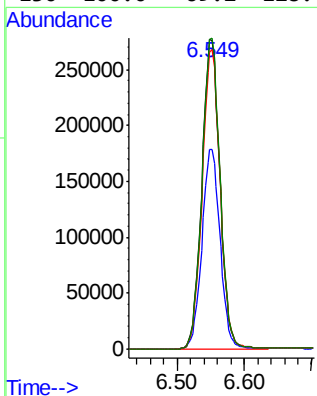
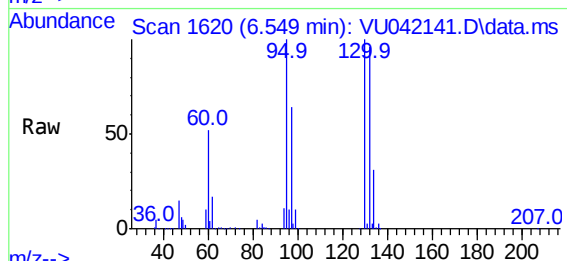
Ion Ratio Lower Upper

95 100

97 64.5 44.4 82.4

132 95.8 68.0 126.4

130 100.0 69.2 128.4



#35

Methylcyclohexane

Concen: 0.74 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU042141.D

Acq: 21 Jan 2021 11:23

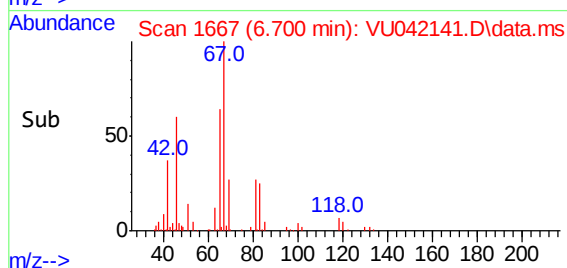
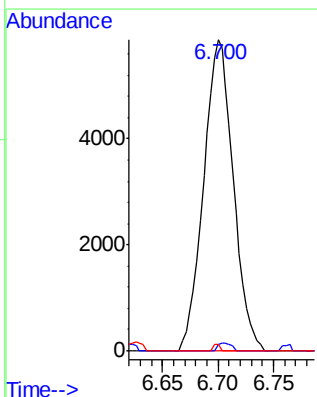
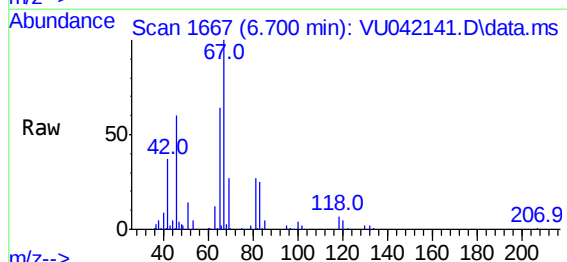
Tgt Ion: 83 Resp: 10854

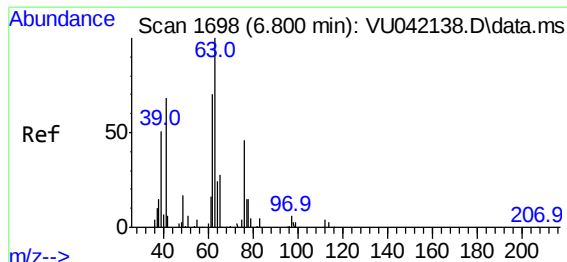
Ion Ratio Lower Upper

83 100

55 1.1 68.2 102.4#

98 0.0 39.7 59.5#

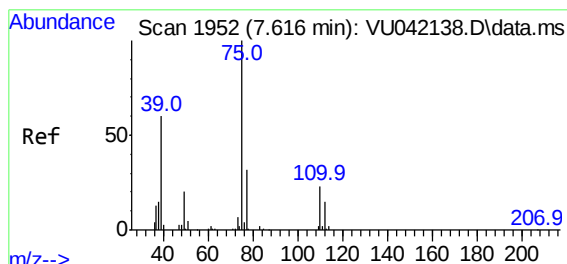
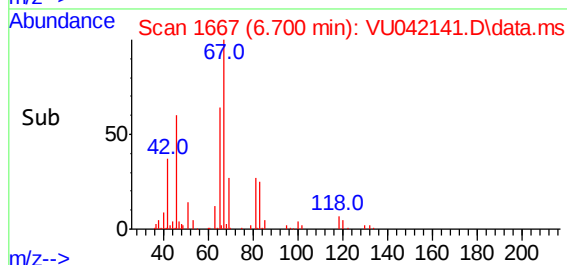
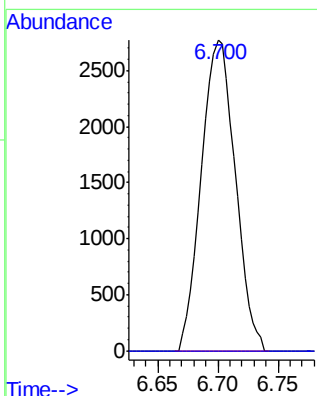
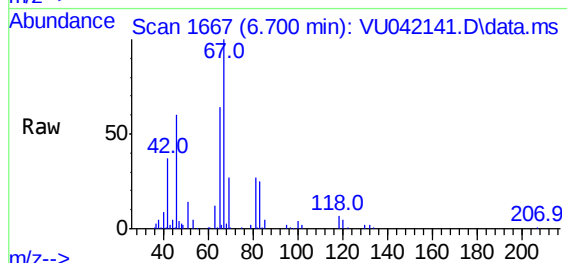




#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

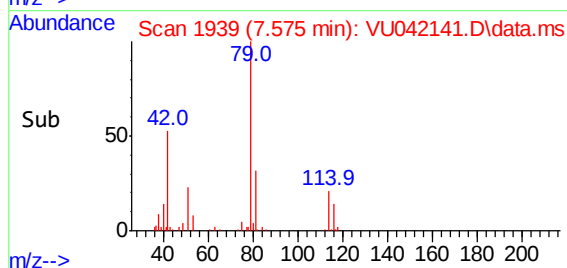
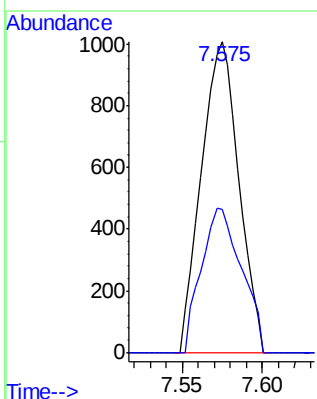
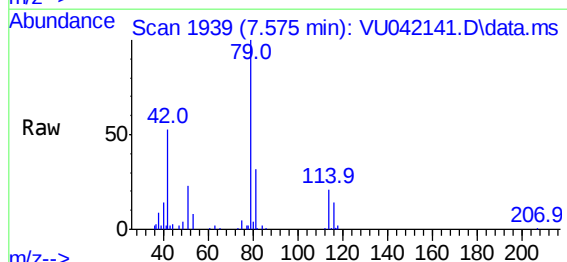
Instrument :
MSVOA_U
ClientSampleId :
BFXP8

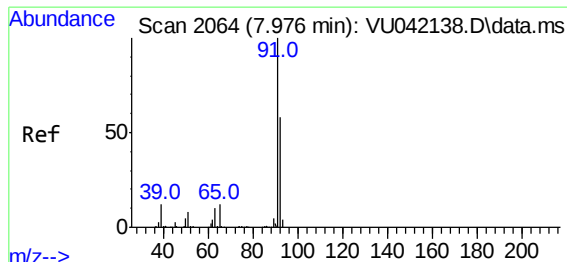
Tgt Ion: 63 Resp: 5307
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 75 Resp: 1600
Ion Ratio Lower Upper
75 100
77 46.1 22.0 40.8#





#42

Toluene

Concen: 0.10 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VU042141.D

Acq: 21 Jan 2021 11:23

Instrument :

MSVOA_U

ClientSampleId :

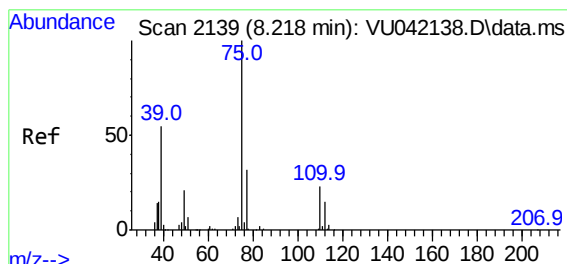
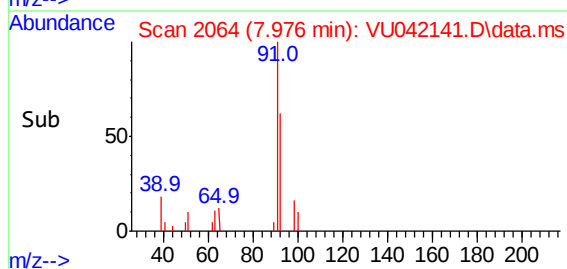
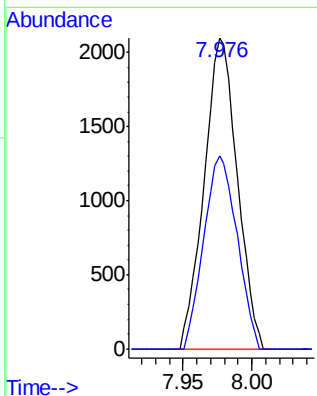
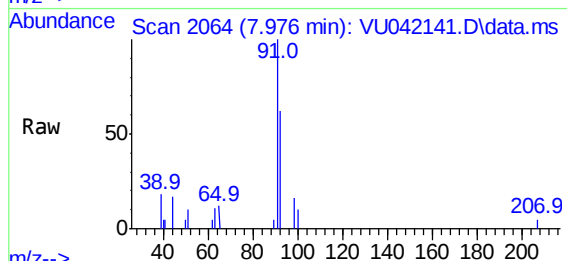
BFXP8

Tgt Ion: 91 Resp: 3499

Ion Ratio Lower Upper

91 100

92 62.0 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.07 ug/L

RT: 8.189 min Scan# 2130

Delta R.T. -0.029 min

Lab File: VU042141.D

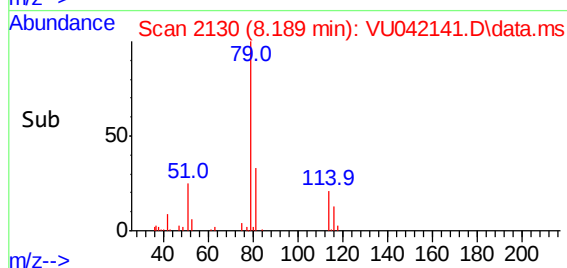
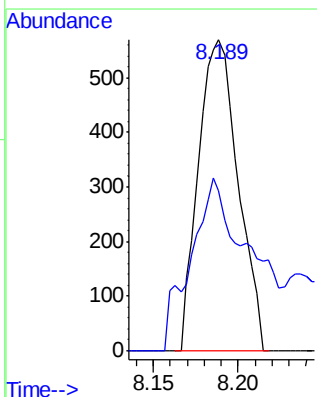
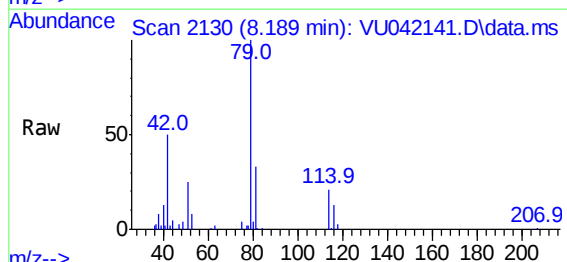
Acq: 21 Jan 2021 11:23

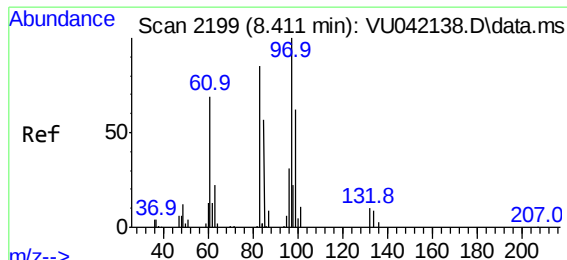
Tgt Ion: 75 Resp: 927

Ion Ratio Lower Upper

75 100

77 51.6 21.8 40.4#





#45

1,1,2-Trichloroethane

Concen: 0.12 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. 0.148 min

Lab File: VU042141.D

Acq: 21 Jan 2021 11:23

Instrument :

MSVOA_U

ClientSampleId :

BFXP8

Tgt Ion: 97 Resp: 760

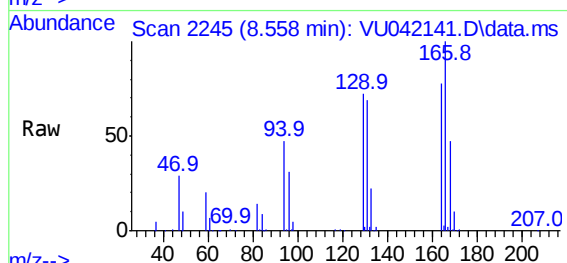
Ion Ratio Lower Upper

97 100

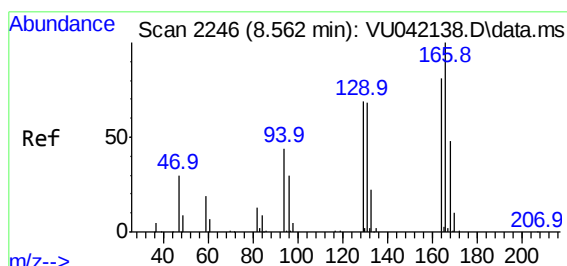
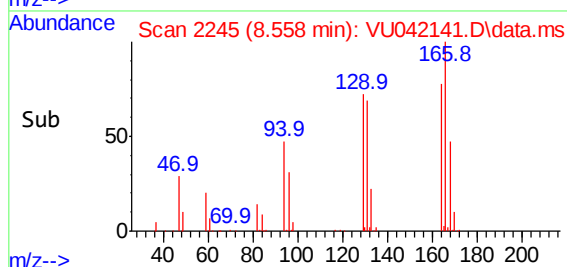
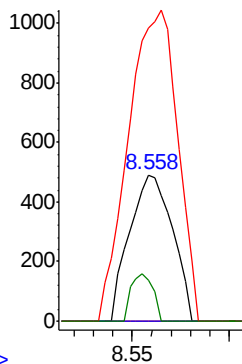
99 0.0 44.0 81.8#

83 200.2 57.6 107.0#

85 27.9 39.5 73.3#



Abundance



#47

Tetrachloroethene

Concen: 12.24 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.000 min

Lab File: VU042141.D

Acq: 21 Jan 2021 11:23

Tgt Ion: 164 Resp: 88673

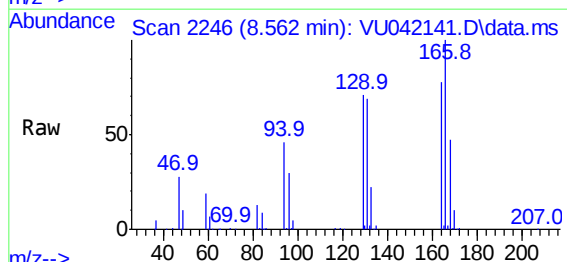
Ion Ratio Lower Upper

164 100

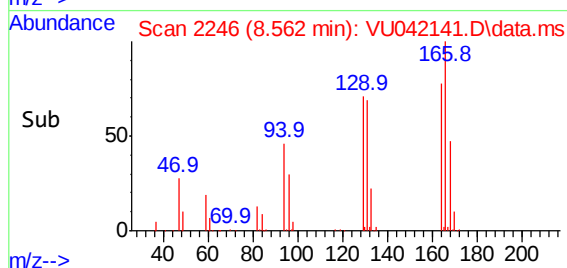
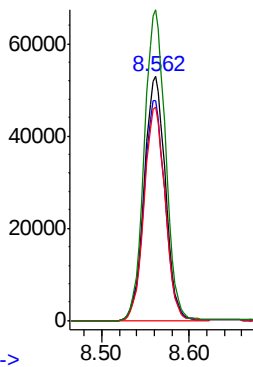
129 90.1 64.3 119.5

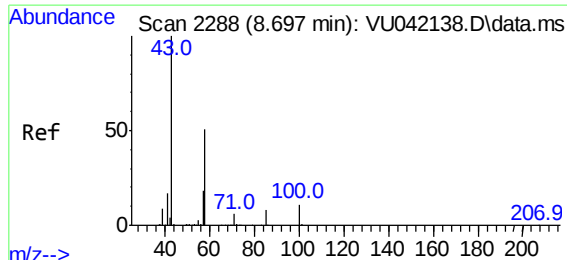
131 87.5 62.2 115.6

166 127.6 88.6 164.6



Abundance

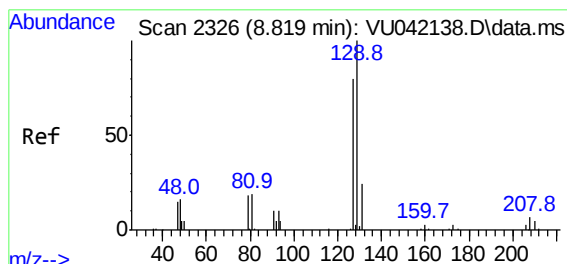
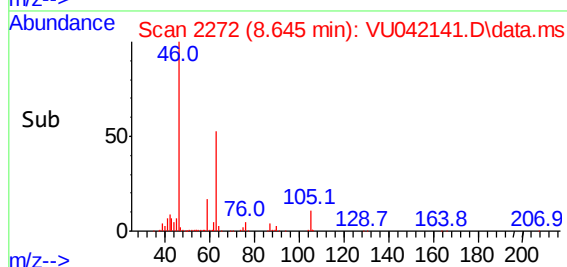
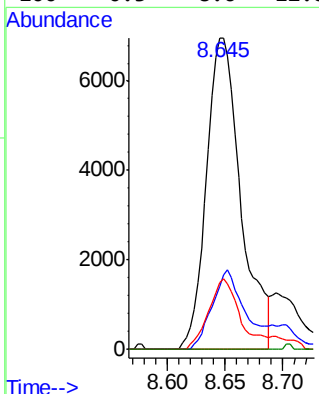
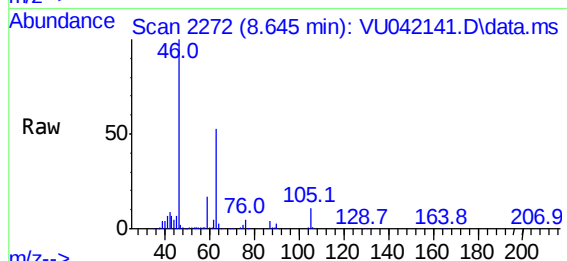




#48
2-Hexanone
Concen: 2.83 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.051 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

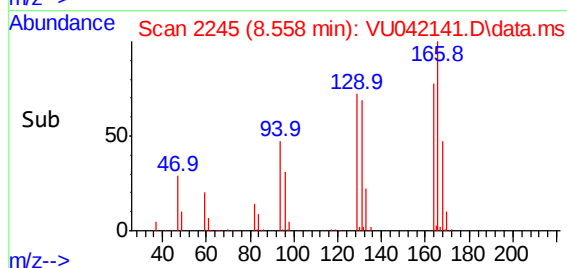
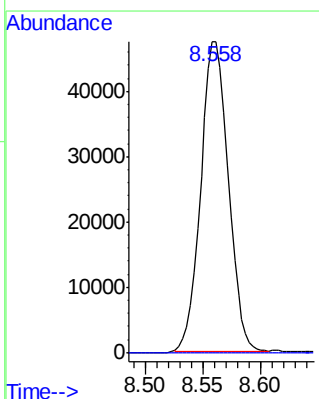
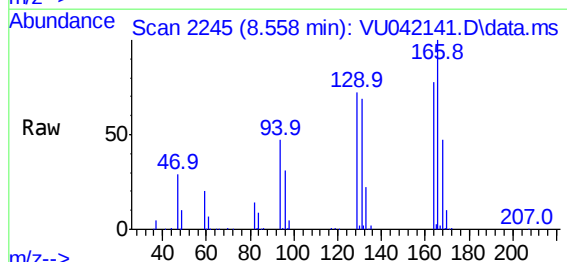
Instrument :
MSVOA_U
ClientSampleId :
BFXP8

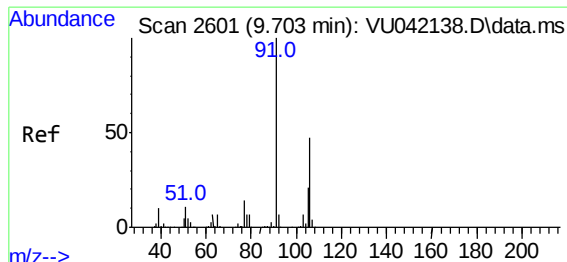
Tgt Ion: 43 Resp: 14335
Ion Ratio Lower Upper
43 100
58 23.5 40.6 61.0#
57 20.4 14.9 22.3
100 0.3 8.6 12.8#



#49
Dibromochloromethane
Concen: 9.34 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042141.D
Acq: 21 Jan 2021 11:23

Tgt Ion: 129 Resp: 78216
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#





#53

m,p-Xylene

Concen: 0.09 ug/L

RT: 9.703 min Scan# 2601

Delta R.T. -0.000 min

Lab File: VU042141.D

Acq: 21 Jan 2021 11:23

Tgt Ion:106 Resp: 1347

Ion Ratio Lower Upper

106 100

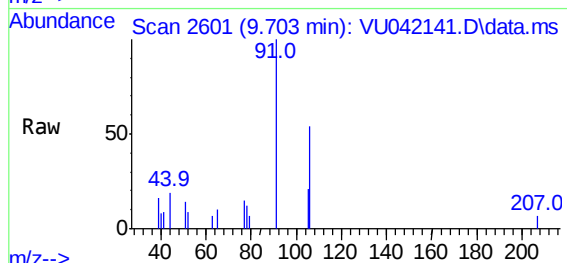
91 183.5 145.1 269.5

Instrument :

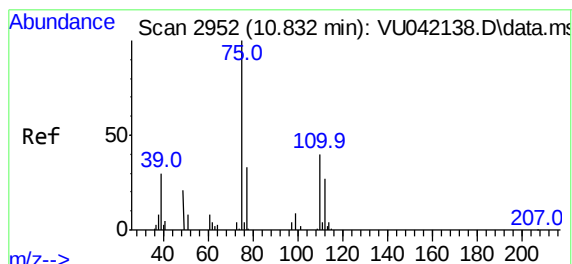
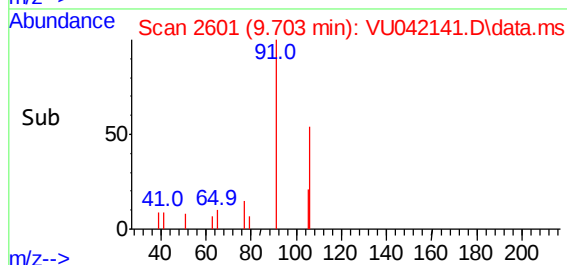
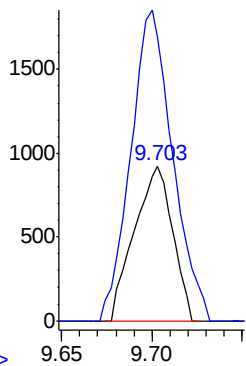
MSVOA_U

ClientSampleId :

BFXP8



Abundance



#59

1,2,3-Trichloropropane

Concen: 1.05 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.987 min

Lab File: VU042141.D

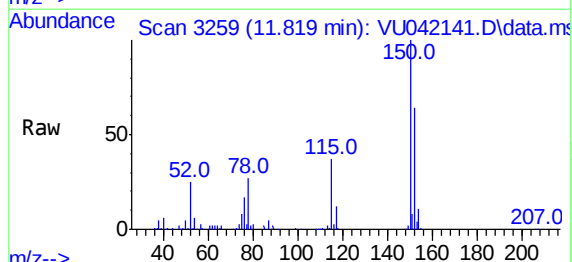
Acq: 21 Jan 2021 11:23

Tgt Ion: 75 Resp: 6338

Ion Ratio Lower Upper

75 100

77 34.8 26.0 39.0



Abundance

