

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040121\
 Data File : VU042882.D
 Acq On : 01 Apr 2021 18:01
 Operator : SY/MD
 Sample : M1847-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAR20MS

Quant Time: Apr 02 05:19:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR040121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 02 05:16:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	85359	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	81983	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	41829	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	25566	4.81	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 96.20%			
7) Chloroethane-d5	1.919	69	23196	5.01	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 100.20%			
11) 1,1-Dichloroethene-d2	2.575	63	61638	4.90	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 98.00%			
20) 2-Butanone-d5	4.649	46	79989	37.21	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 74.42%			
24) Chloroform-d	5.073	84	57817	4.85	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.00%			
26) 1,2-Dichloroethane-d4	5.713	65	36490	4.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.20%			
32) Benzene-d6	5.735	84	104969	4.95	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.00%			
36) 1,2-Dichloropropane-d6	6.700	67	34049	4.90	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 98.00%			
41) Toluene-d8	7.906	98	95535	4.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.80%			
43) trans-1,3-Dichloroprop...	8.185	79	14397	4.64	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.80%			
46) 2-Hexanone-d5	8.645	63	81969	51.89	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 103.78%			
57) 1,1,2,2-Tetrachloroeth...	10.764	84	29969	4.84	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.80%			
64) 1,2-Dichlorobenzene-d4	12.201	152	40035	5.10	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.00%			
Target Compounds						
3) Chloromethane	1.523	50	350	0.05	ug/L #	64
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	626	0.11	ug/L #	23
12) 1,1-Dichloroethene	2.587	96	27167	4.90	ug/L	83
13) Acetone	2.661	43	20710	16.09	ug/L	93
25) Chloroform	5.105	83	5485	0.44	ug/L	97
27) 1,2-Dichloroethane	5.784	62	1281	0.14	ug/L #	75
33) Benzene	5.784	78	118109	4.96	ug/L	100
34) Trichloroethene	6.549	95	159047	24.86	ug/L	98
35) Methylcyclohexane	6.700	83	8055	0.84	ug/L #	14
37) 1,2-Dichloropropane	6.700	63	3988	0.62	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	1224	0.13	ug/L #	78
42) Toluene	7.976	91	128532	4.91	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	792	0.09	ug/L	100
47) Tetrachloroethene	8.558	164	31634	6.05	ug/L	99
48) 2-Hexanone	8.645	43	13216	3.17	ug/L #	67
49) Dibromochloromethane	8.558	129	28501	4.80	ug/L #	12
51) Chlorobenzene	9.455	112	85294	5.11	ug/L	100
59) 1,2,3-Trichloropropane	11.822	75	5350	1.16	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 02 05:16:37 2021
Response via : Initial Calibration

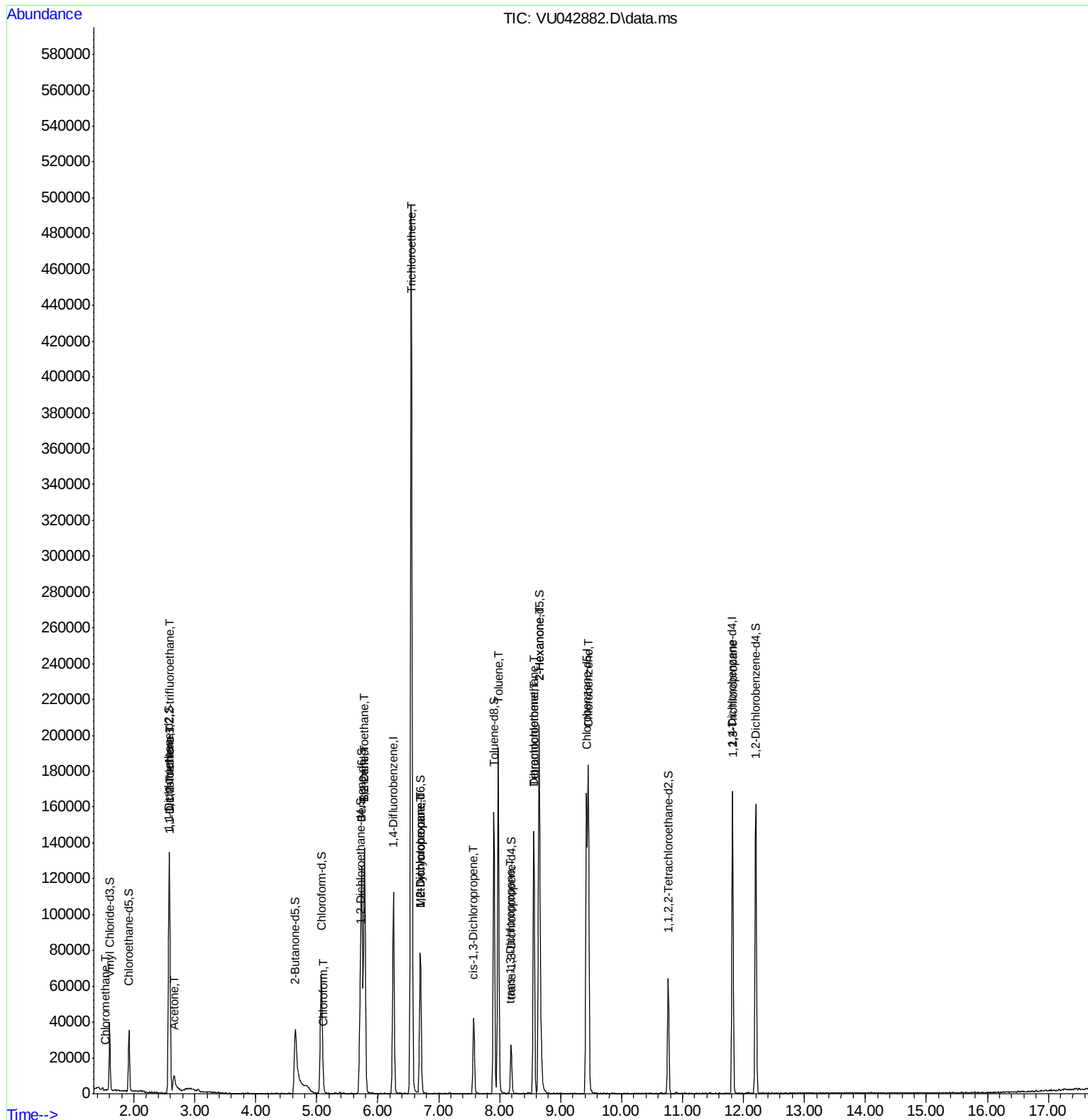
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

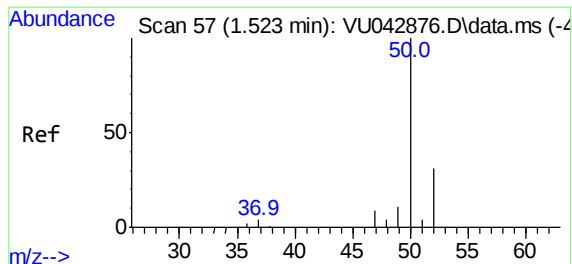
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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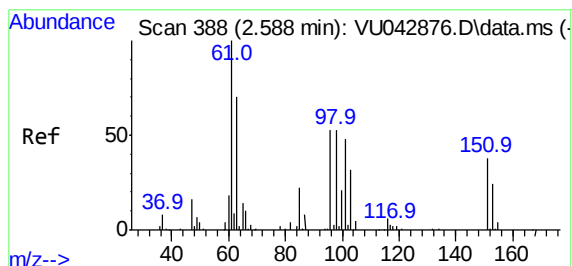
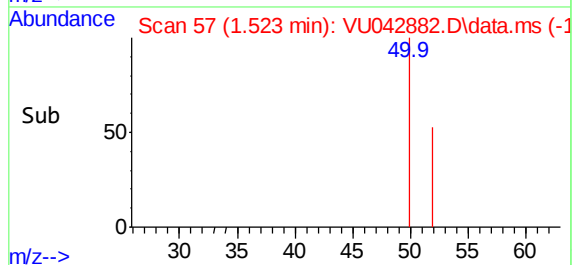
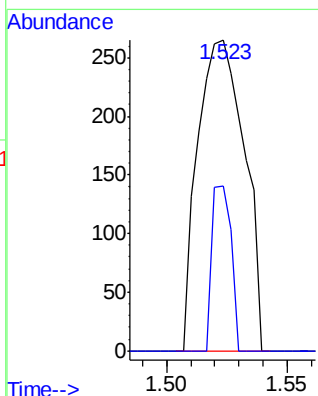
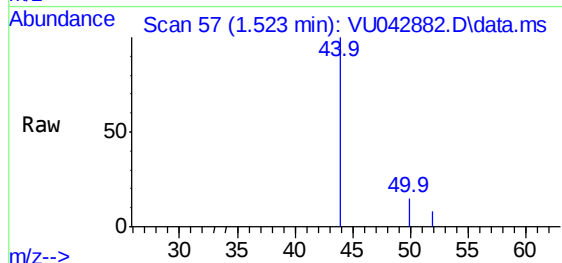




#3
Chloromethane
Concen: 0.05 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

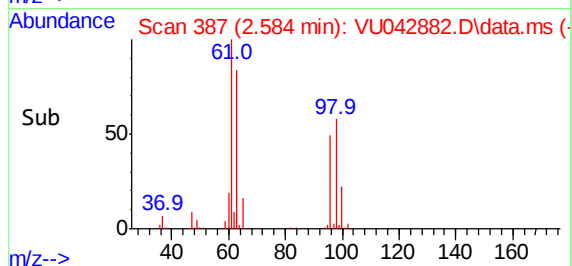
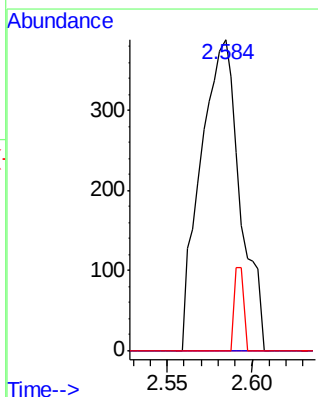
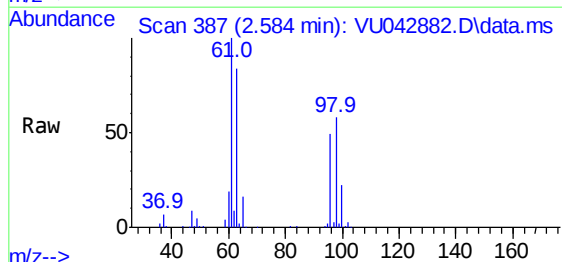
Instrument :
MSVOA_U
ClientSampleId :
YAR20MS

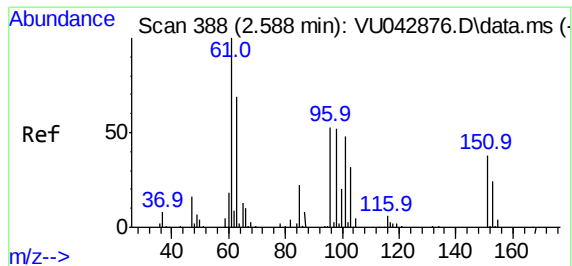
Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 53.2 23.0 42.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.11 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion:101 Resp: 626
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 6.4 62.7 94.1#

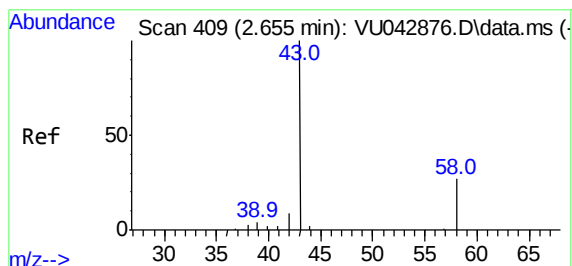
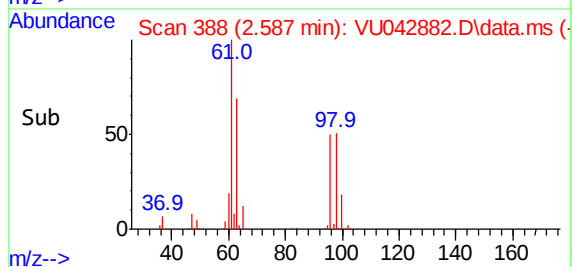
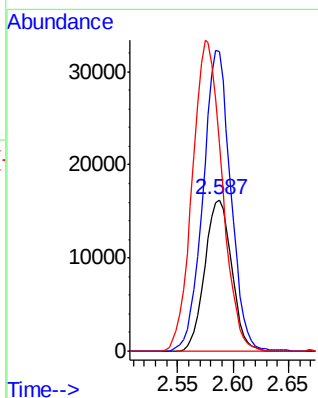
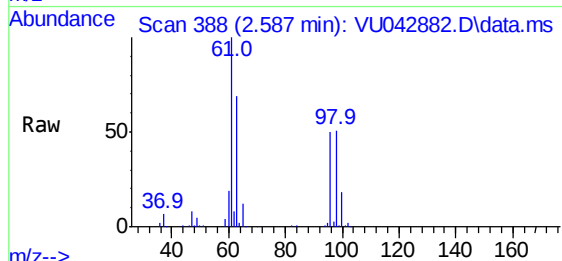




#12
1,1-Dichloroethene
Concen: 4.90 ug/L
RT: 2.587 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

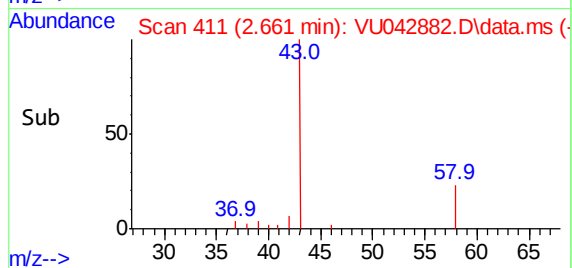
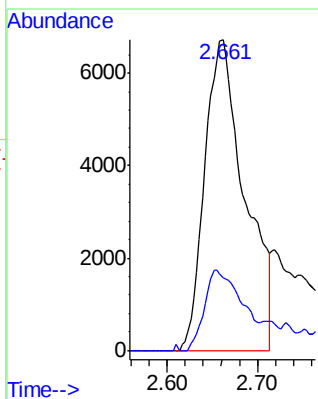
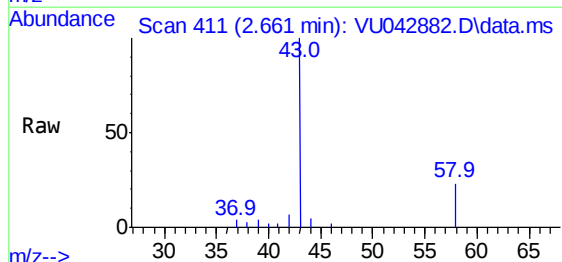
Instrument :
MSVOA_U
ClientSampleId :
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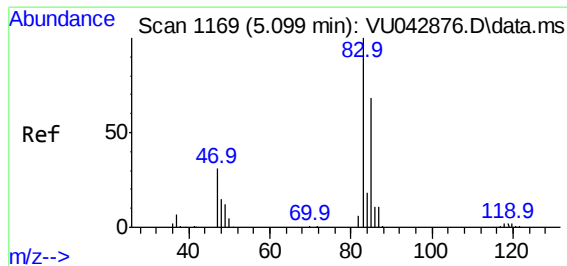
Tgt Ion: 96 Resp: 27167
Ion Ratio Lower Upper
96 100
61 198.7 126.2 234.4
63 137.5 77.8 144.4



#13
Acetone
Concen: 16.09 ug/L
RT: 2.661 min Scan# 411
Delta R.T. 0.006 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 43 Resp: 20710
Ion Ratio Lower Upper
43 100
58 24.4 0.0 55.8

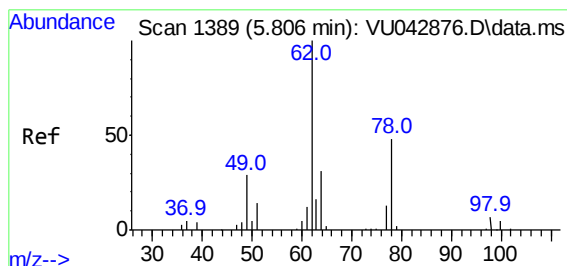
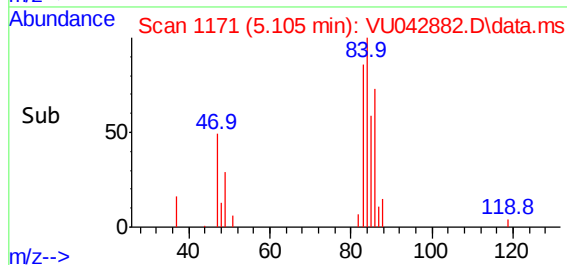
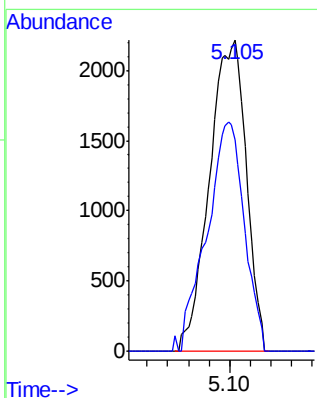
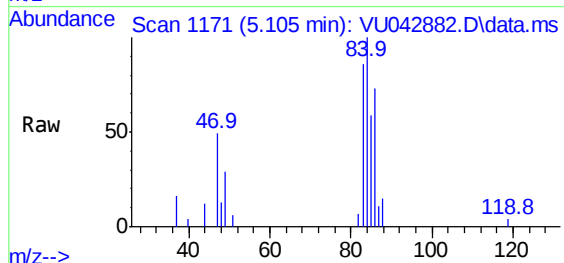




#25
Chloroform
Concen: 0.44 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

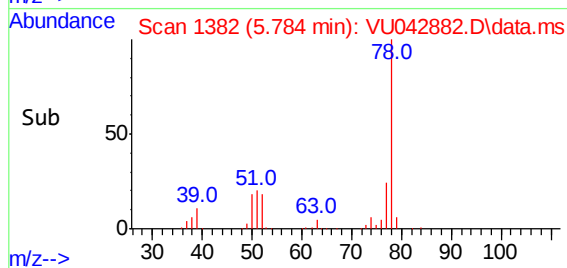
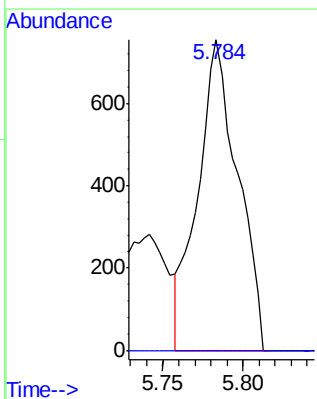
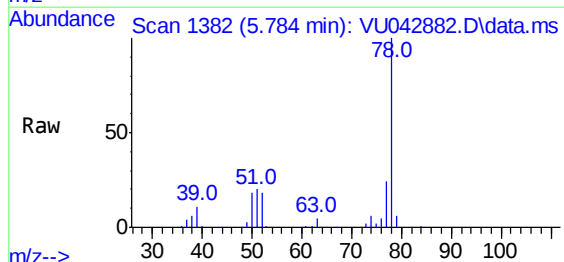
Instrument :
MSVOA_U
ClientSampleId :
YAR20MS

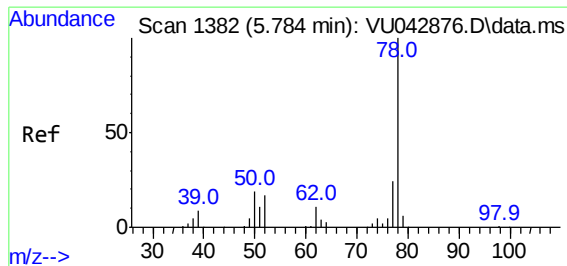
Tgt Ion: 83 Resp: 5485
Ion Ratio Lower Upper
83 100
85 68.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.14 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.023 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 62 Resp: 1281
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

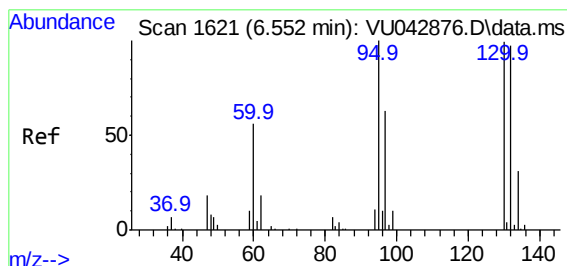
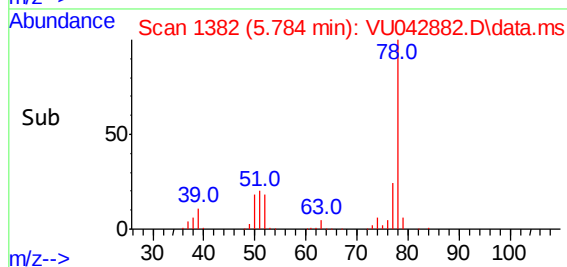
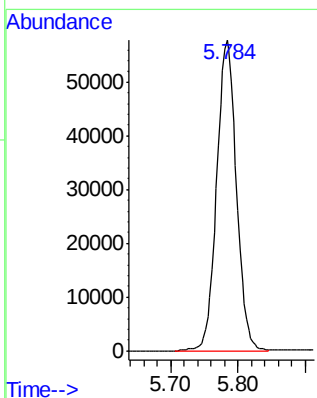
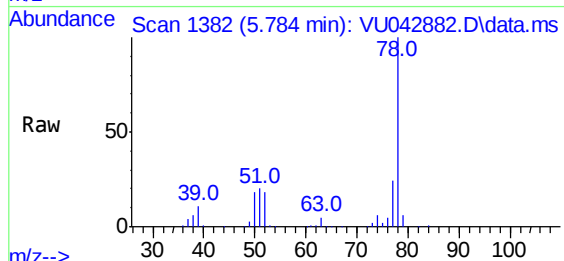




#33
Benzene
Concen: 4.96 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Instrument :
MSVOA_U
ClientSampleId :
YAR20MS

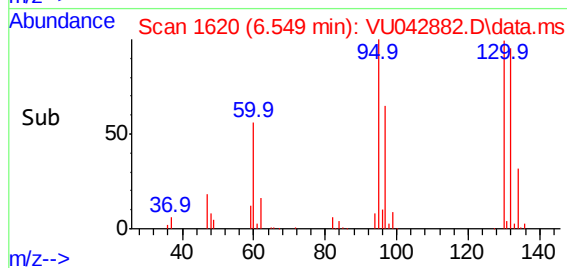
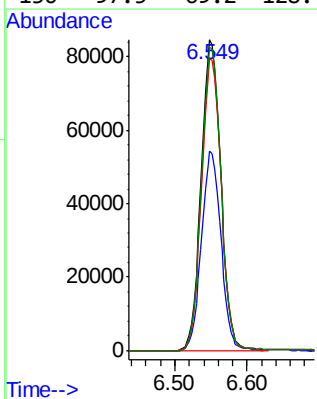
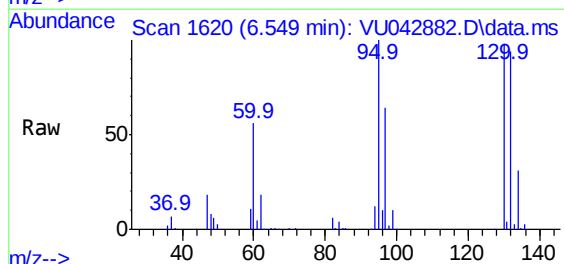
Tgt Ion: 78 Resp: 118109

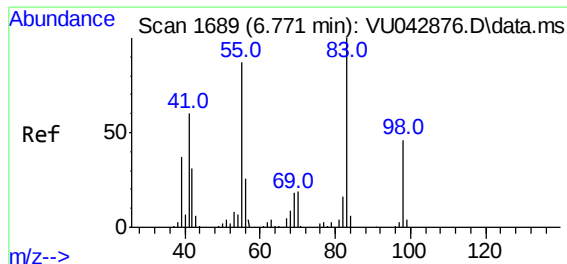


#34
Trichloroethene
Concen: 24.86 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 95 Resp: 159047

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.4	82.4
132	93.6	68.0	126.4
130	97.5	69.2	128.4

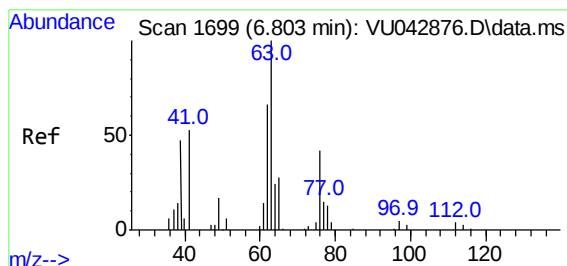
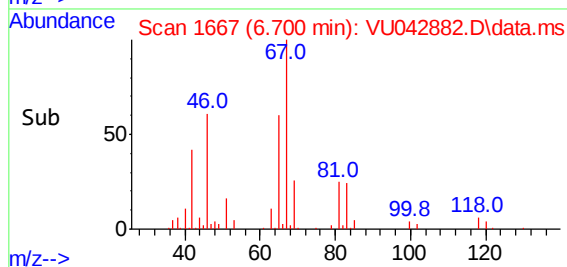
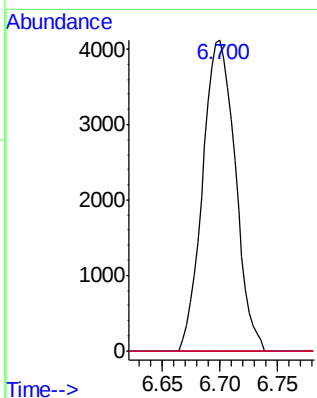
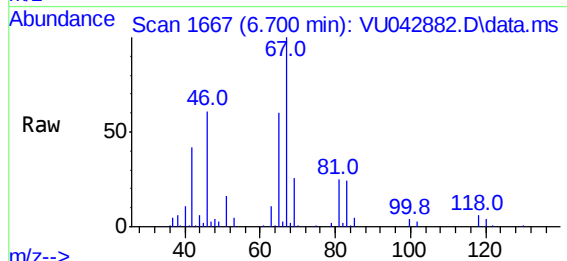




#35
Methylcyclohexane
Concen: 0.84 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

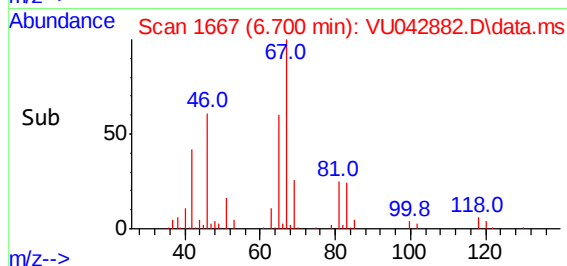
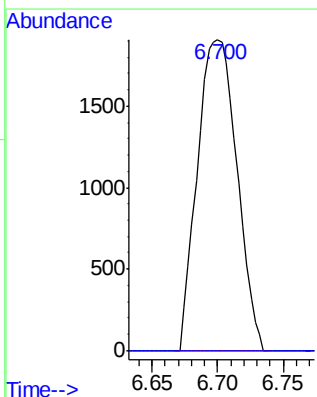
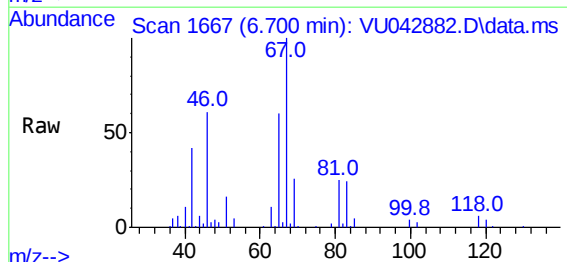
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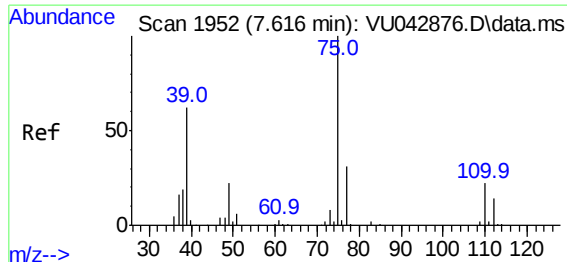
Tgt Ion: 83 Resp: 8055
Ion Ratio Lower Upper
83 100
55 0.0 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.103 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 63 Resp: 3988
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

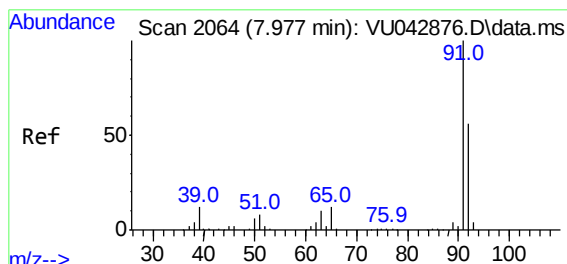
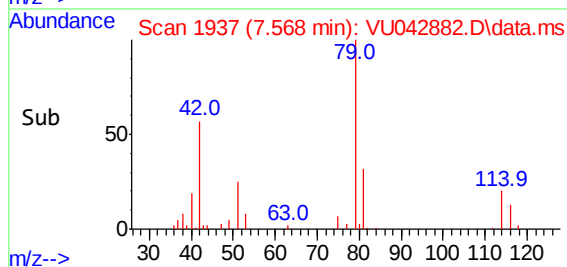
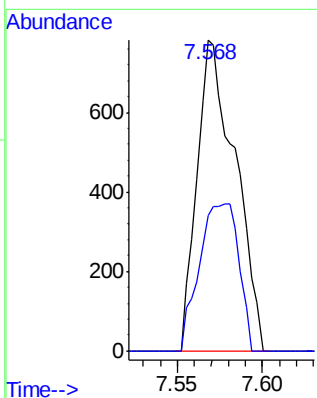
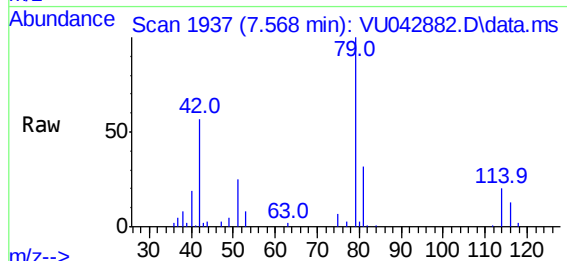




#39
cis-1,3-Dichloropropene
Concen: 0.13 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.048 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

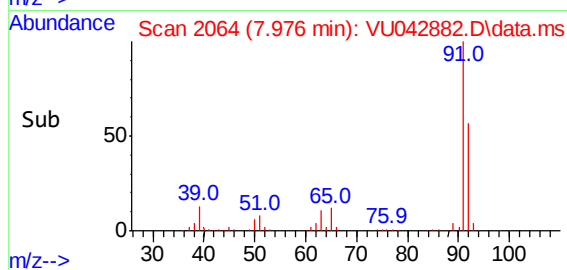
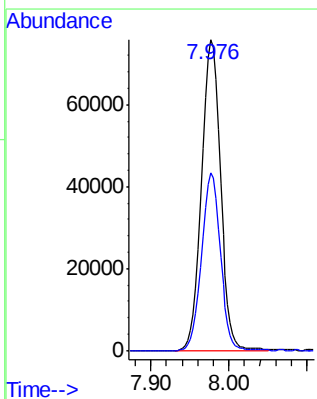
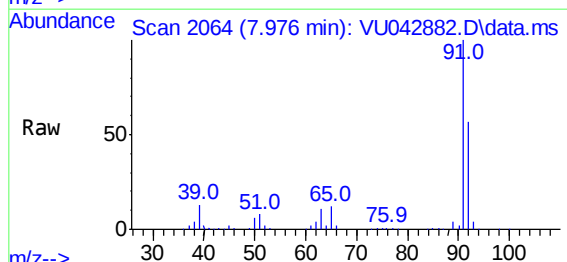
Instrument :
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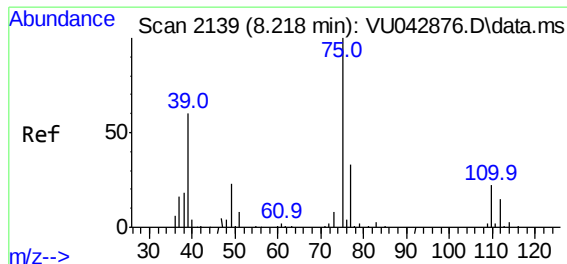
Tgt Ion: 75 Resp: 1224
Ion Ratio Lower Upper
75 100
77 43.5 22.0 40.8#



#42
Toluene
Concen: 4.91 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 91 Resp: 128532
Ion Ratio Lower Upper
91 100
92 57.0 41.2 76.6



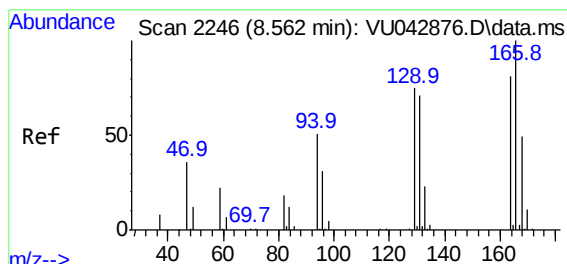
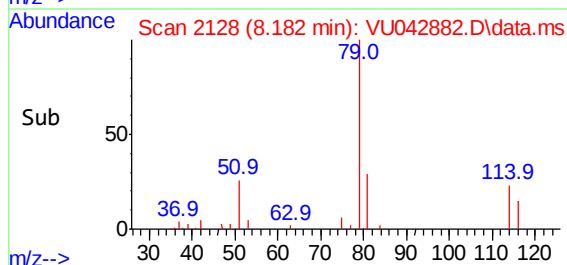
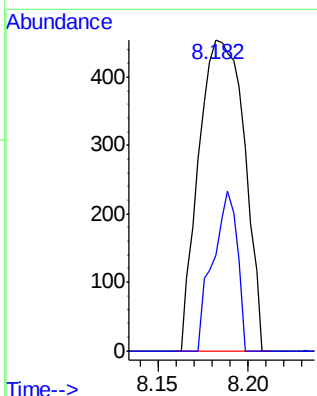
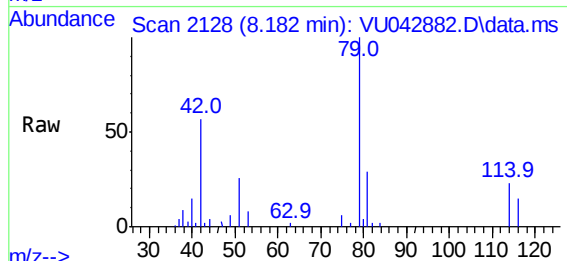


#44

trans-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.036 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Instrument :
MSVOA_U
ClientSampleId :
YAR20MS

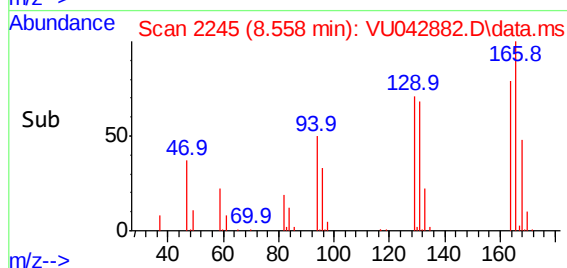
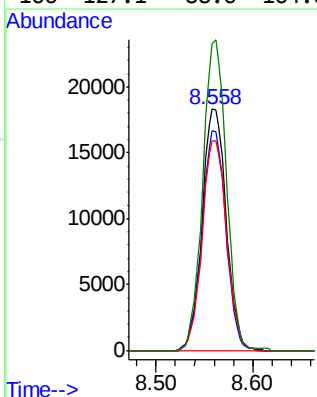
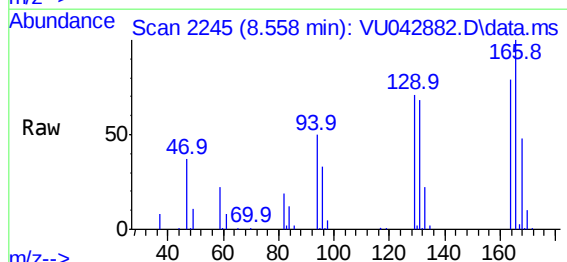
Tgt Ion: 75 Resp: 792
Ion Ratio Lower Upper
75 100
77 30.8 21.8 40.4

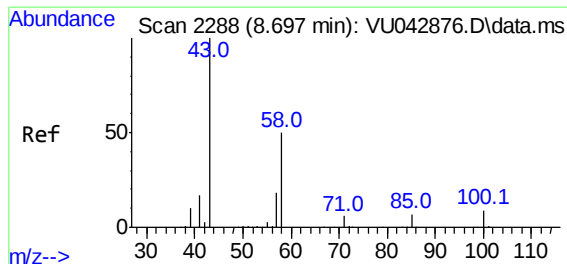


#47

Tetrachloroethene
Concen: 6.05 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 164 Resp: 31634
Ion Ratio Lower Upper
164 100
129 90.8 64.3 119.5
131 86.9 62.2 115.6
166 127.1 88.6 164.6

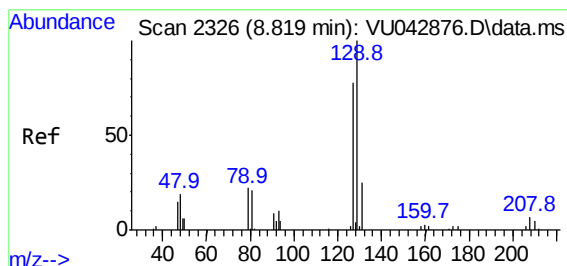
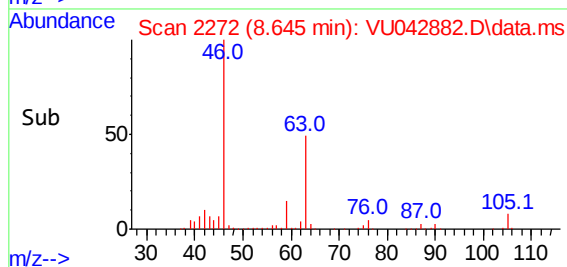
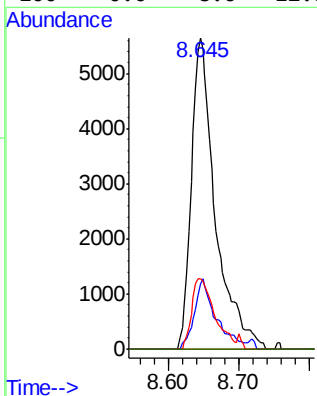
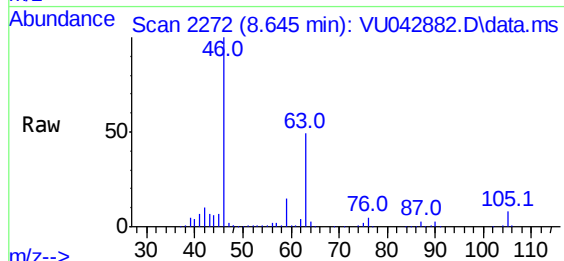




#48
2-Hexanone
Concen: 3.17 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.052 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

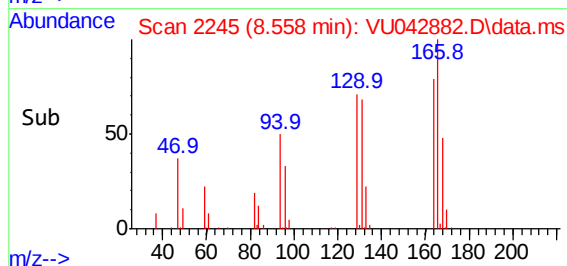
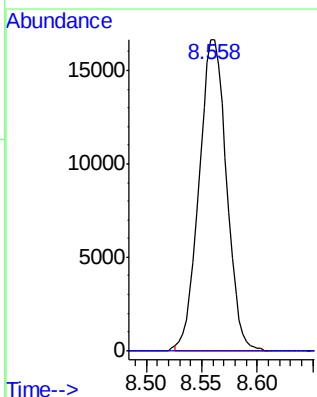
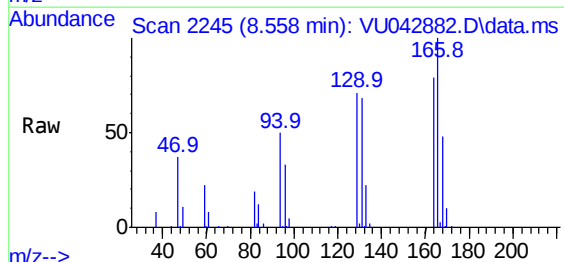
Instrument :
MSVOA_U
ClientSampleId :
YAR20MS

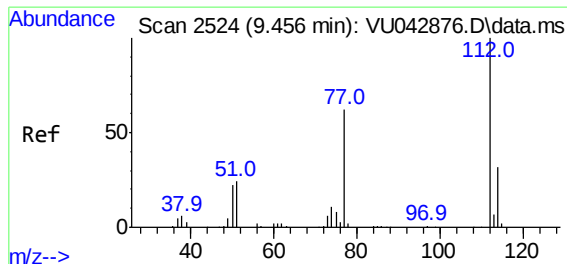
Tgt Ion: 43 Resp: 13216
Ion Ratio Lower Upper
43 100
58 20.2 40.6 61.0#
57 21.7 14.9 22.3
100 0.0 8.6 12.8#



#49
Dibromochloromethane
Concen: 4.80 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.261 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 129 Resp: 28501
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#

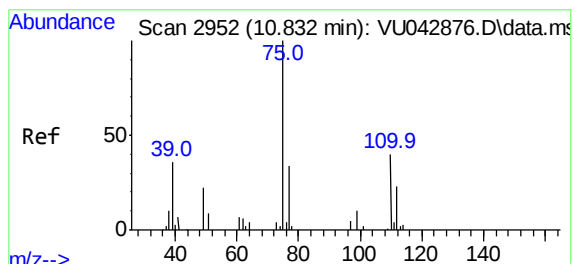
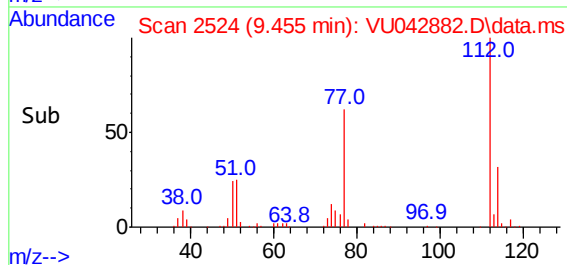
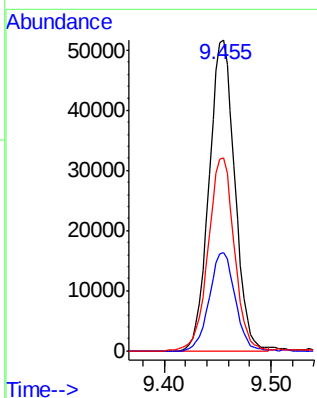
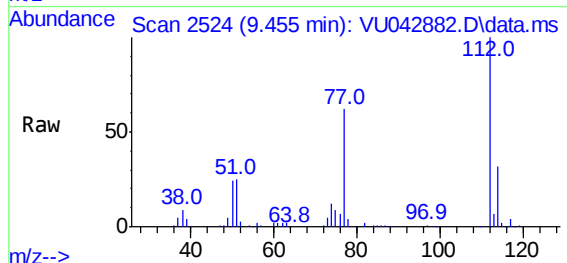




#51
Chlorobenzene
Concen: 5.11 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Instrument :
MSVOA_U
ClientSampleId :
YAR20MS

Tgt Ion:112 Resp: 85294
Ion Ratio Lower Upper
112 100
114 31.8 22.0 41.0
77 62.2 49.8 74.6



#59
1,2,3-Trichloropropane
Concen: 1.16 ug/L
RT: 11.822 min Scan# 3260
Delta R.T. 0.990 min
Lab File: VU042882.D
Acq: 01 Apr 2021 18:01

Tgt Ion: 75 Resp: 5350
Ion Ratio Lower Upper
75 100
77 39.8 26.0 39.0#

