

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042126.D
 Acq On : 20 Jan 2021 23:57
 Operator : SY/MD
 Sample : L1180-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E24

Quant Time: Jan 21 06:03:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 06:00:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	111618	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	106263	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	55658	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33265	4.62	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 92.40%			
7) Chloroethane-d5	1.916	69	27920	4.81	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.20%			
11) 1,1-Dichloroethene-d2	2.572	63	56757	3.58	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 71.60%			
20) 2-Butanone-d5	4.649	46	143129	54.48	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 108.96%			
24) Chloroform-d	5.073	84	71289	4.74	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.80%			
26) 1,2-Dichloroethane-d4	5.710	65	45178	5.02	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 100.40%			
32) Benzene-d6	5.735	84	135592	4.89	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.80%			
36) 1,2-Dichloropropane-d6	6.700	67	44633	4.99	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 99.80%			
41) Toluene-d8	7.906	98	123553	4.71	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.20%			
43) trans-1,3-Dichloroprop...	8.189	79	21725	4.79	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 95.80%			
46) 2-Hexanone-d5	8.645	63	106778	54.06	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 108.12%			
57) 1,1,2,2-Tetrachloroeth...	10.764	84	39765	5.18	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 103.60%			
64) 1,2-Dichlorobenzene-d4	12.201	152	49489	4.95	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.00%			
Target Compounds						Qvalue
3) Chloromethane	1.520	50	1691	0.18	ug/L	93
5) Vinyl chloride	1.607	62	1528	0.17	ug/L #	48
12) 1,1-Dichloroethene	2.572	96	585	0.08	ug/L #	1
13) Acetone	2.665	43	3512	2.01	ug/L	91
18) trans-1,2-Dichloroethene	3.359	96	1812	0.23	ug/L	95
22) cis-1,2-Dichloroethene	4.674	96	355499	41.42	ug/L	99
25) Chloroform	5.092	83	881	0.06	ug/L	78
27) 1,2-Dichloroethane	5.735	62	652	0.06	ug/L #	75
33) Benzene	5.739	78	927	0.03	ug/L	100
34) Trichloroethene	6.549	95	42854	5.08	ug/L	99
35) Methylcyclohexane	6.700	83	10630	0.75	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	5423	0.66	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1441	0.11	ug/L #	56
42) Toluene	7.977	91	1296	0.04	ug/L	85
44) trans-1,3-Dichloropropene	8.189	75	975	0.08	ug/L #	78
47) Tetrachloroethene	8.562	164	24066	3.43	ug/L	100
48) 2-Hexanone	8.645	43	14661	2.99	ug/L #	69
49) Dibromochloromethane	8.562	129	21849	2.70	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6242	1.07	ug/L	92

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QLast Update : Thu Jan 21 06:00:33 2021
Response via : Initial Calibration

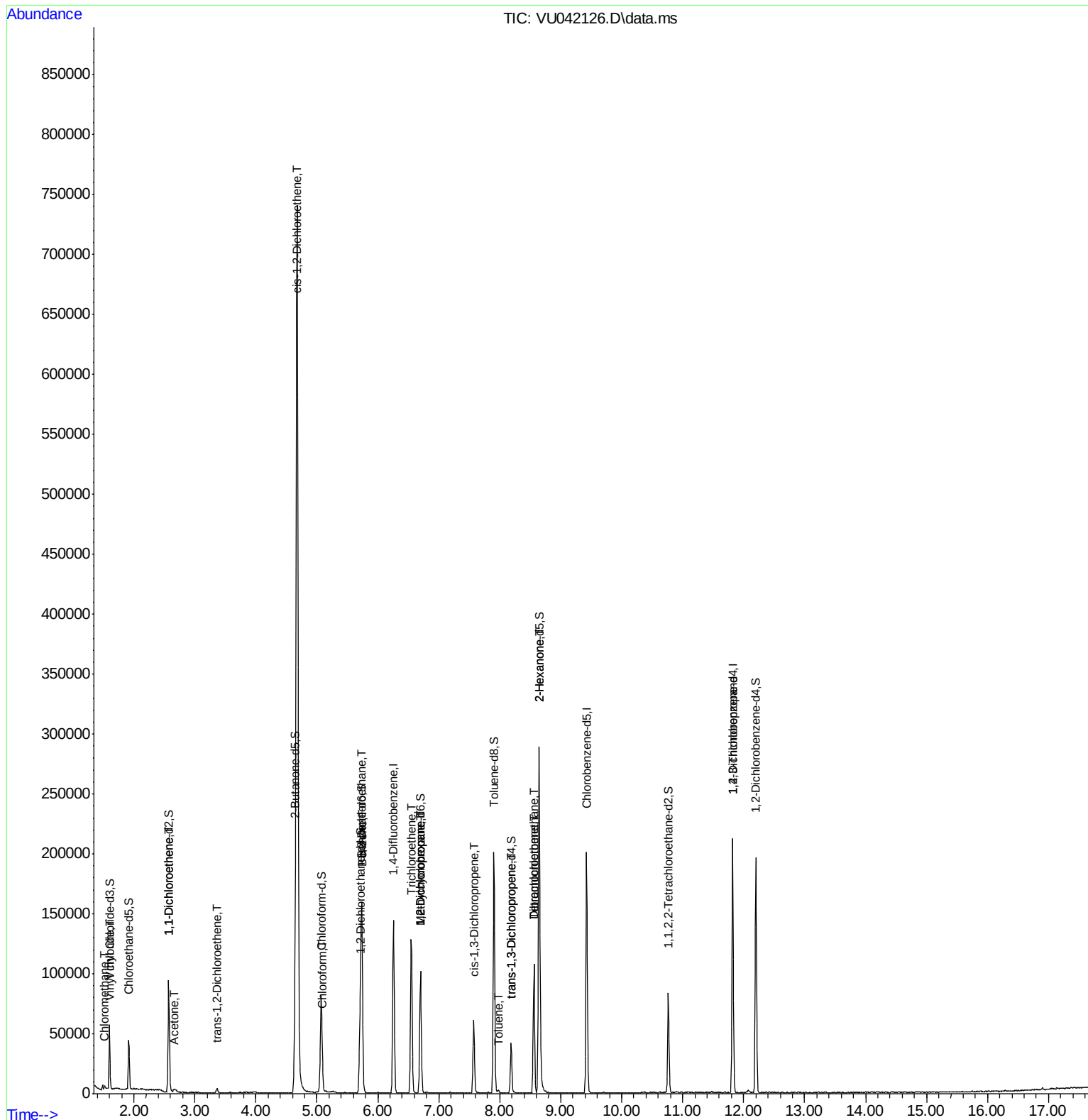
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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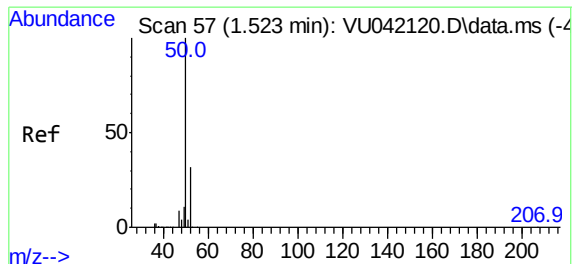
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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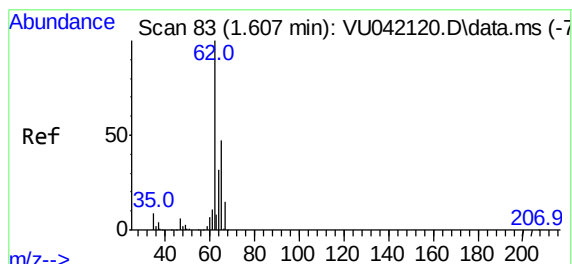
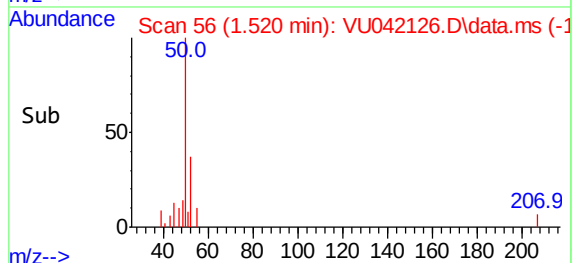
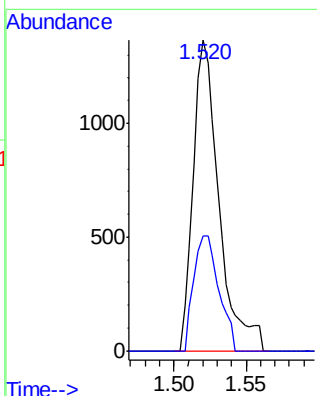
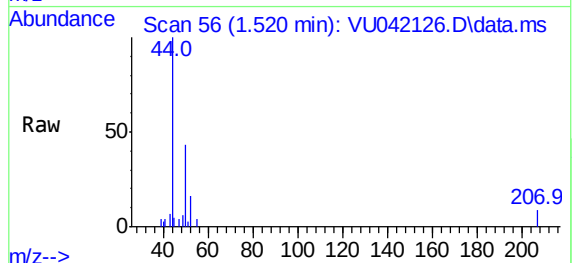




#3
Chloromethane
Concen: 0.18 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

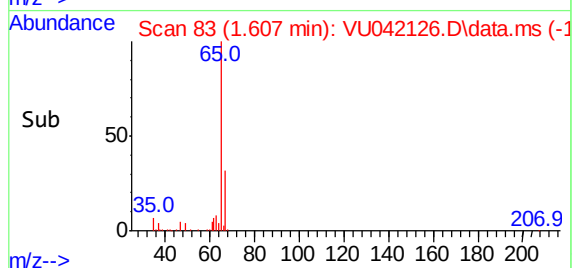
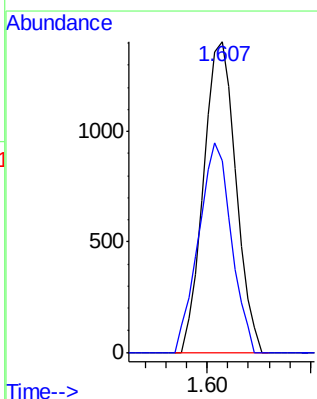
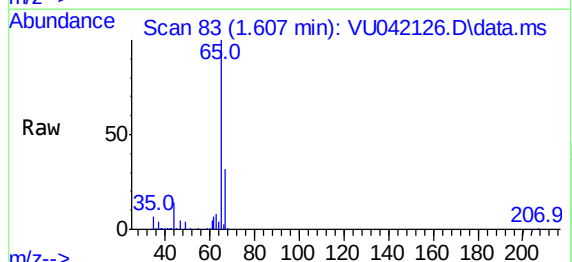
Instrument :
MSVOA_U
ClientSampleId :
F1E24

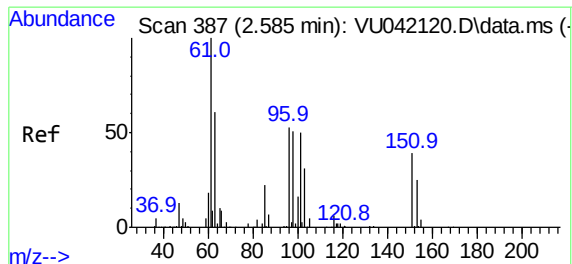
Tgt Ion: 50 Resp: 1691
Ion Ratio Lower Upper
50 100
52 36.9 23.0 42.8



#5
Vinyl chloride
Concen: 0.17 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 62 Resp: 1528
Ion Ratio Lower Upper
62 100
64 61.6 22.7 42.1#

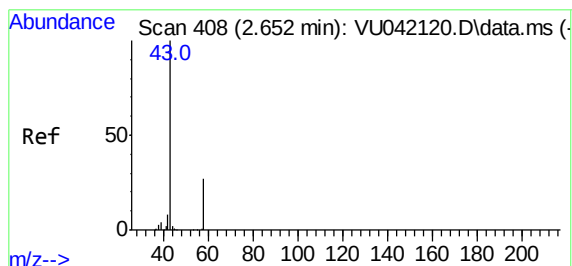
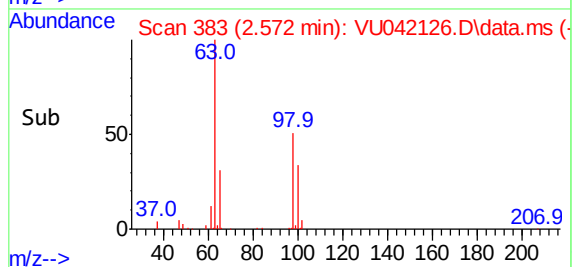
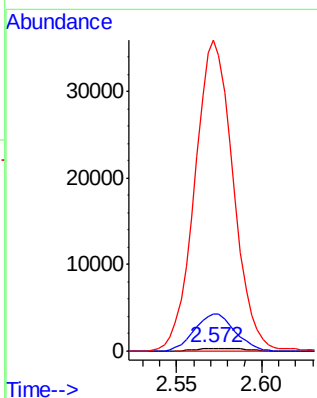
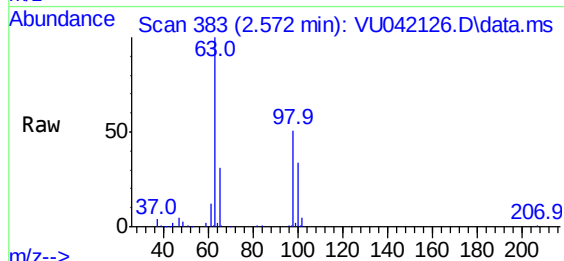




#12
1,1-Dichloroethene
Concen: 0.08 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.013 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

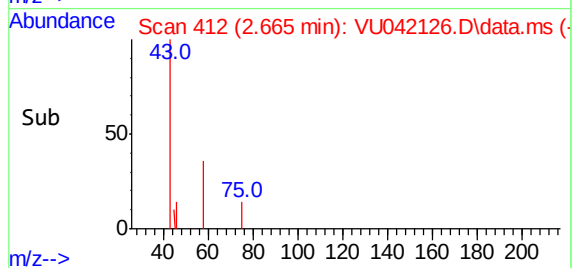
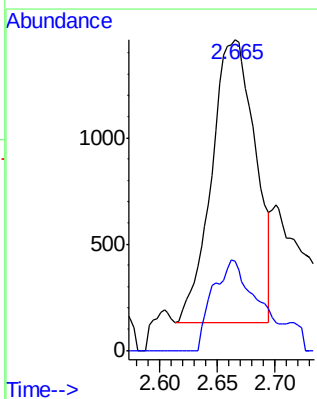
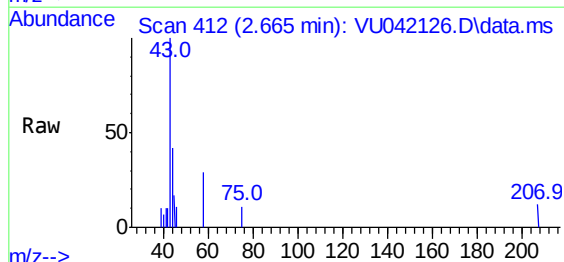
Instrument :
MSVOA_U
ClientSampleId :
F1E24

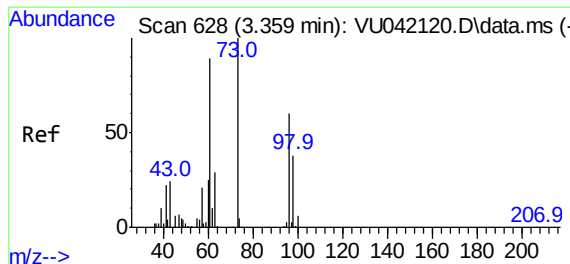
Tgt Ion: 96 Resp: 585
Ion Ratio Lower Upper
96 100
61 1311.0 126.2 234.4#
63 10999.4 77.8 144.4#



#13
Acetone
Concen: 2.01 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.013 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 43 Resp: 3512
Ion Ratio Lower Upper
43 100
58 32.7 0.0 55.8



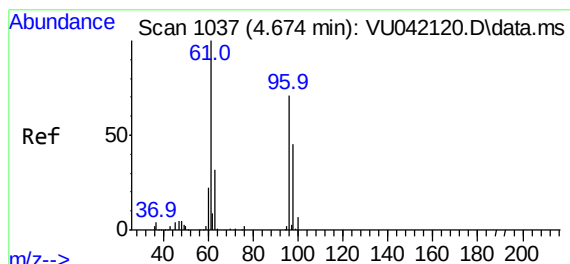
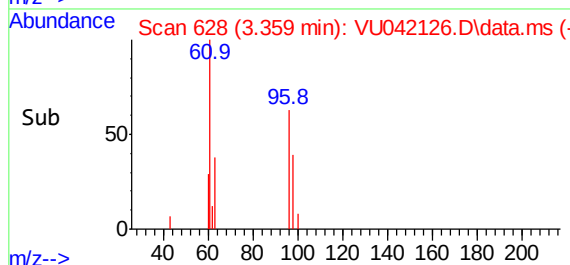
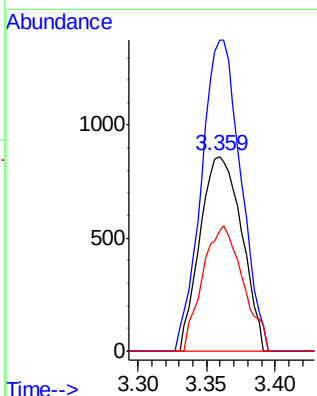
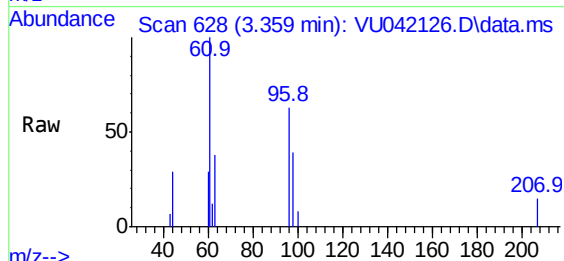


#18
trans-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Instrument :
MSVOA_U
ClientSampleId :
F1E24

Tgt Ion: 96 Resp: 1812

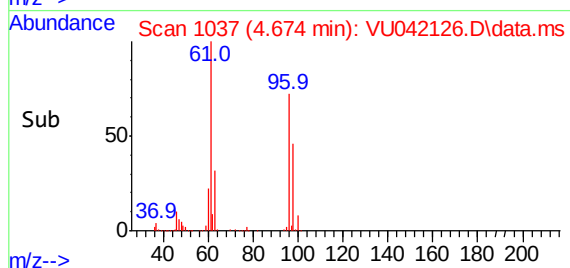
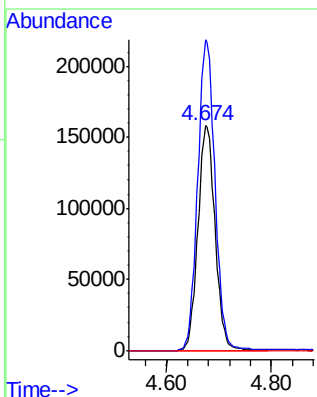
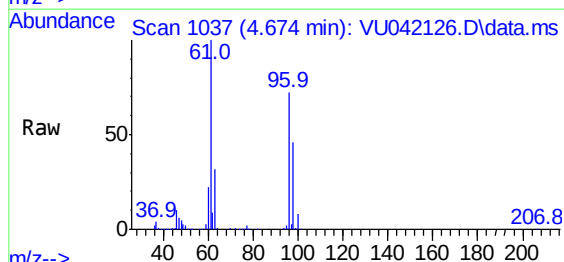
Ion	Ratio	Lower	Upper
96	100		
61	159.5	105.7	196.3
98	61.9	42.8	79.6

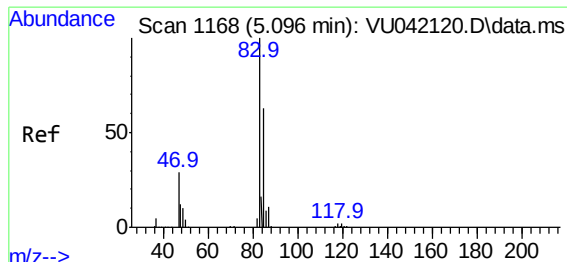


#22
cis-1,2-Dichloroethene
Concen: 41.42 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 96 Resp: 355499

Ion	Ratio	Lower	Upper
96	100		
61	138.2	97.8	181.6
68	0.0	0.0	0.0

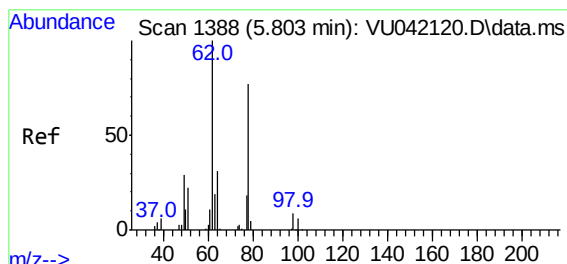
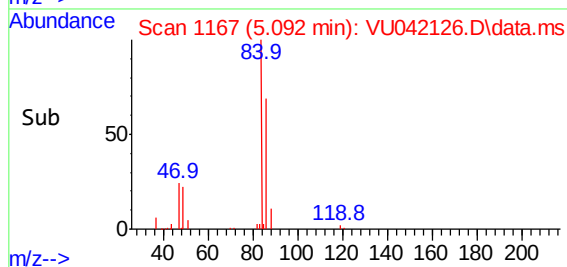
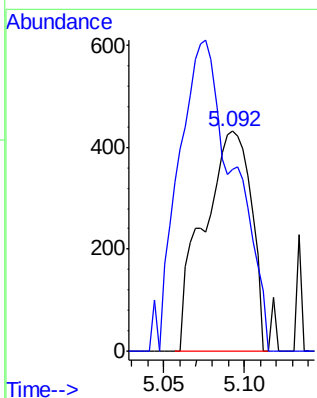
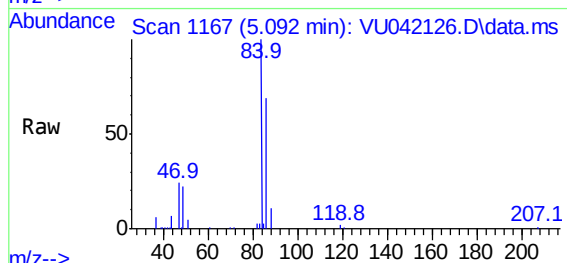




#25
Chloroform
Concen: 0.06 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

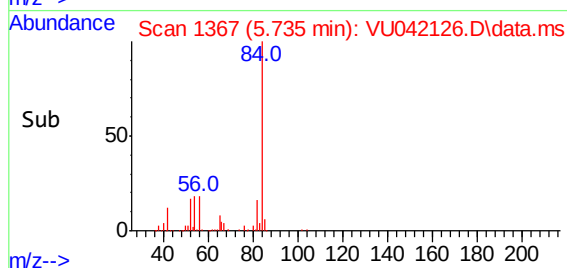
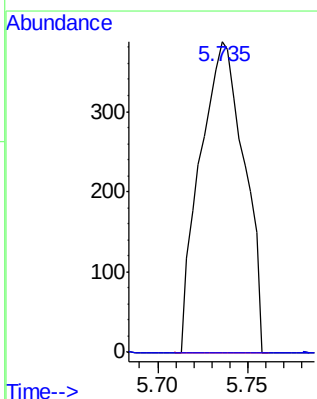
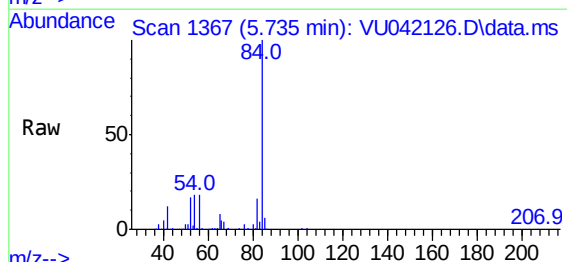
Instrument :
MSVOA_U
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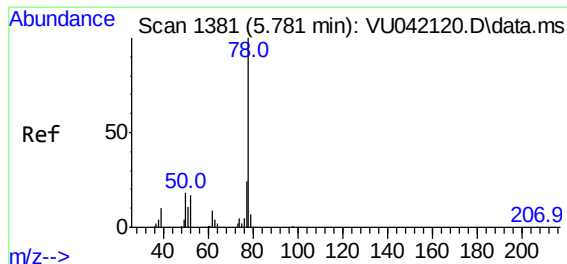
Tgt Ion: 83 Resp: 881
Ion Ratio Lower Upper
83 100
85 82.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.06 ug/L
RT: 5.735 min Scan# 1367
Delta R.T. -0.068 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 62 Resp: 652
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

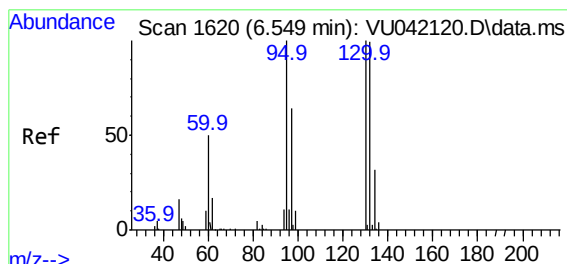
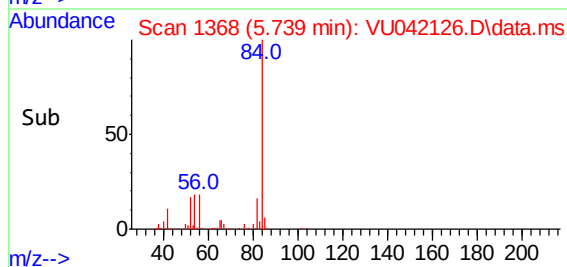
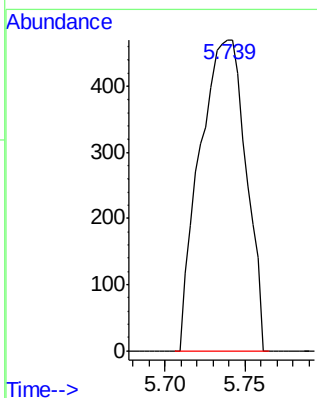
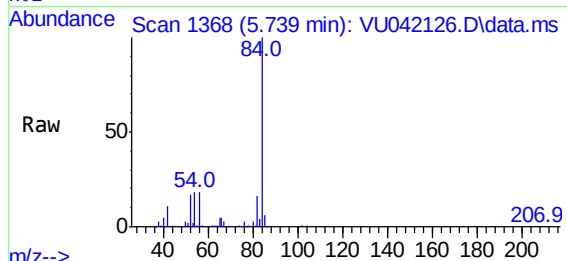




#33
Benzene
Concen: 0.03 ug/L
RT: 5.739 min Scan# 1368
Delta R.T. -0.042 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Instrument :
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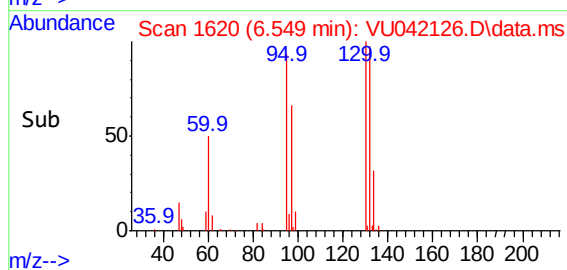
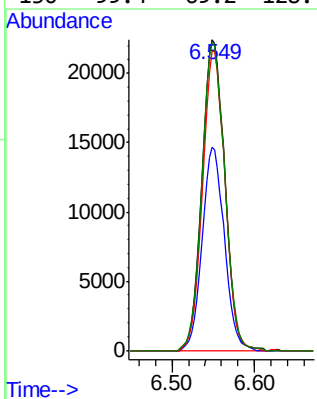
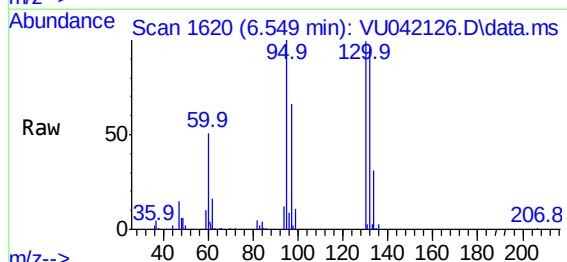
Tgt Ion: 78 Resp: 927

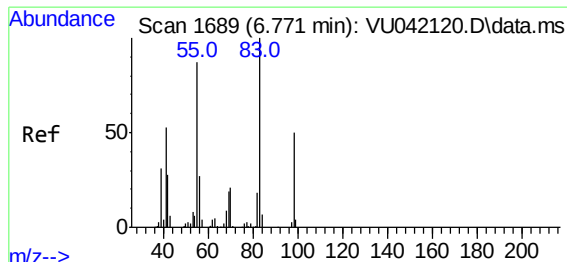


#34
Trichloroethene
Concen: 5.08 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 95 Resp: 42854

Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.4	82.4
132	96.3	68.0	126.4
130	99.4	69.2	128.4

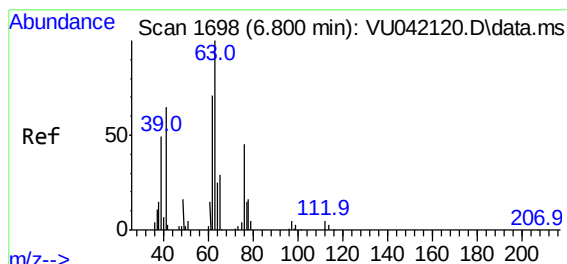
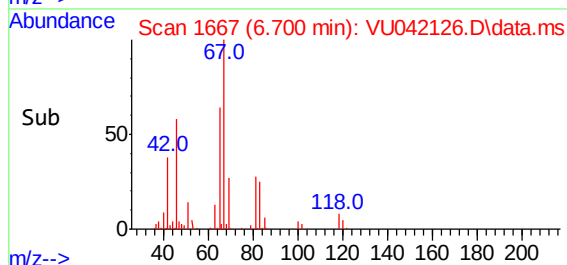
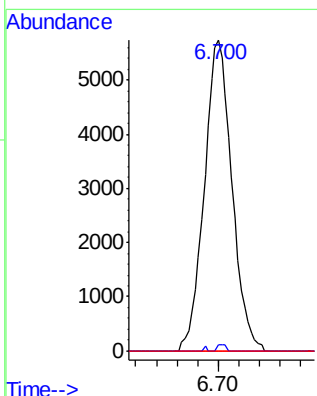
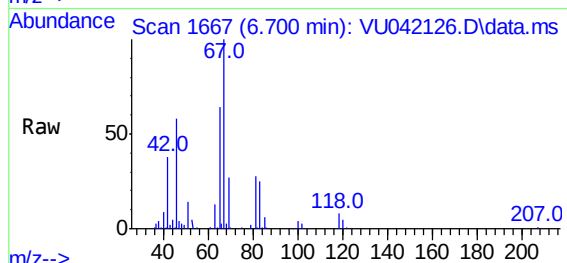




#35
Methylcyclohexane
Concen: 0.75 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

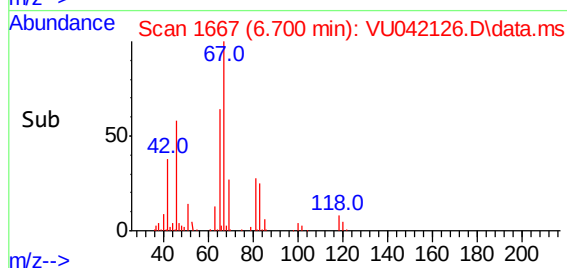
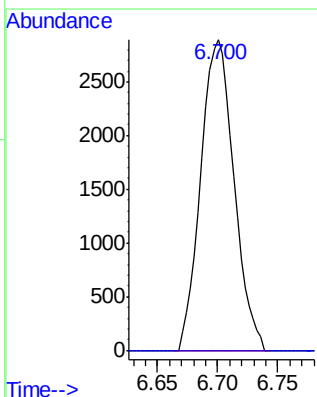
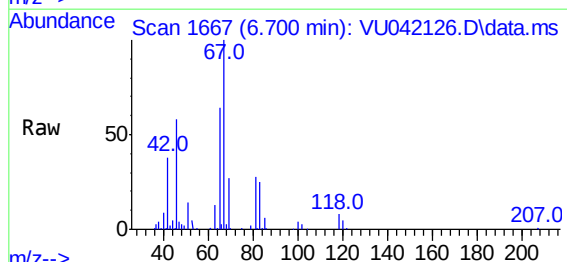
Instrument :
MSVOA_U
ClientSampleId :
F1E24

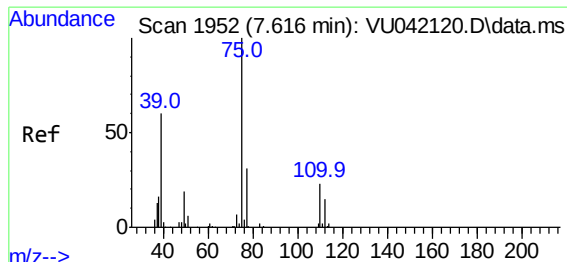
Tgt Ion: 83 Resp: 10630
Ion Ratio Lower Upper
83 100
55 0.6 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 63 Resp: 5423
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

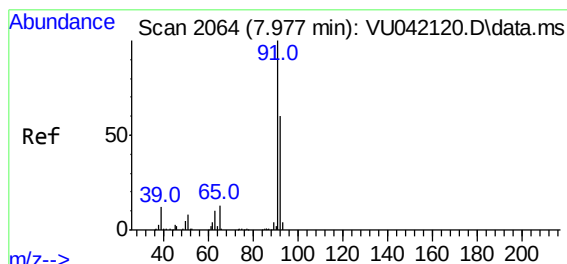
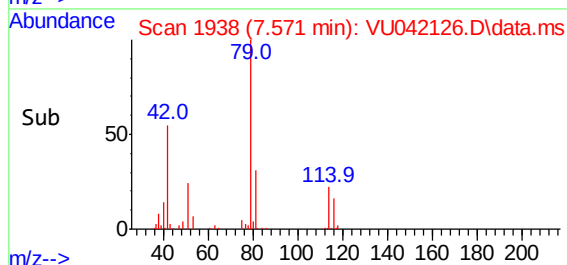
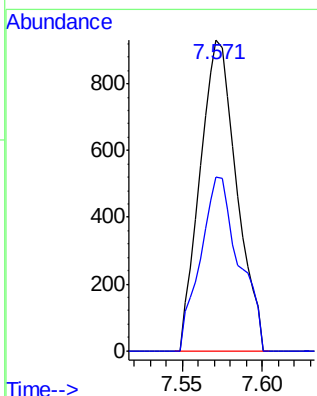
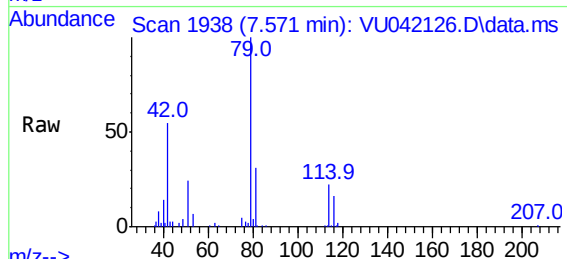




#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

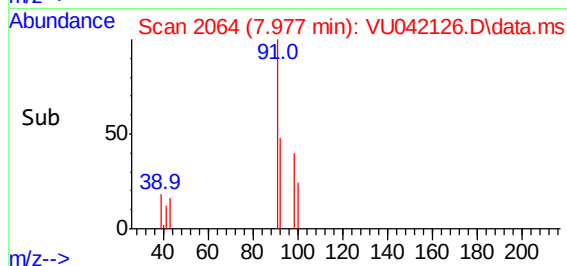
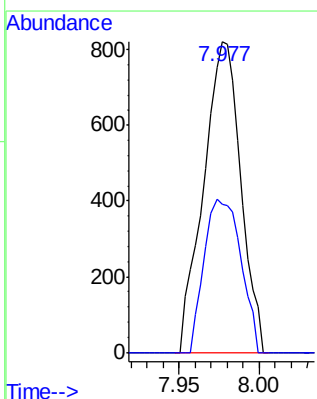
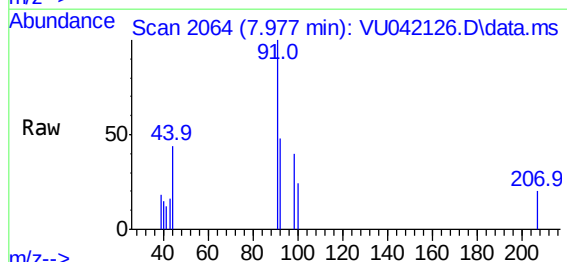
Instrument :
MSVOA_U
ClientSampleId :
F1E24

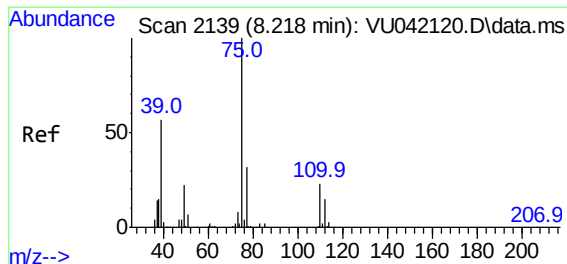
Tgt Ion: 75 Resp: 1441
Ion Ratio Lower Upper
75 100
77 55.9 22.0 40.8#



#42
Toluene
Concen: 0.04 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 91 Resp: 1296
Ion Ratio Lower Upper
91 100
92 47.7 41.2 76.6

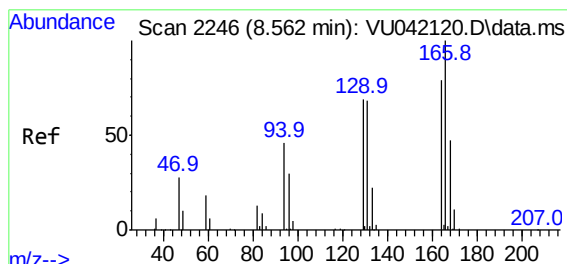
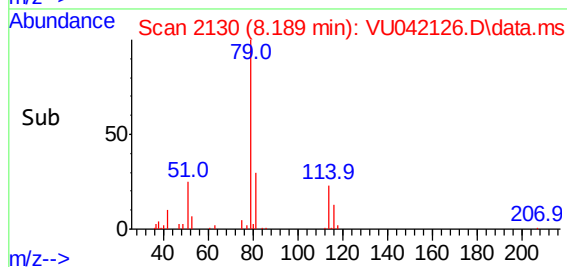
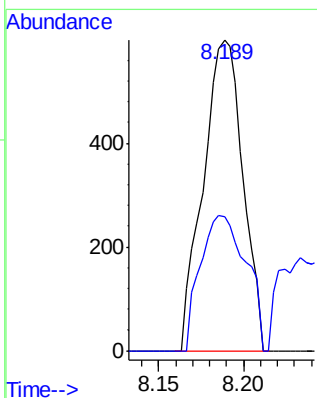
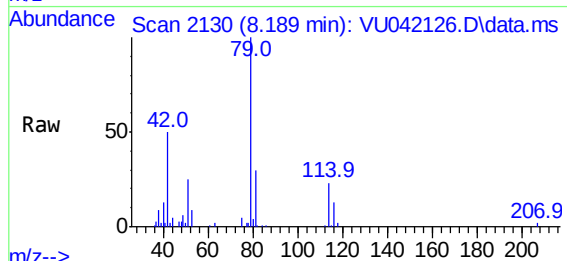




#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

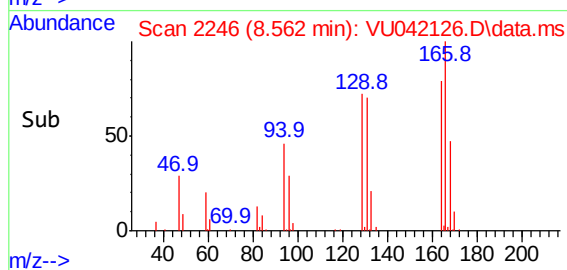
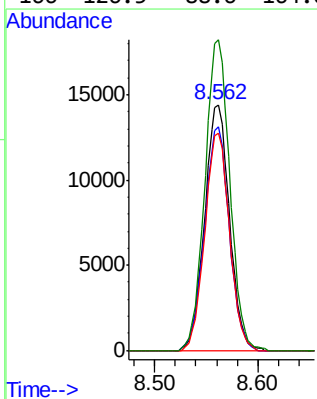
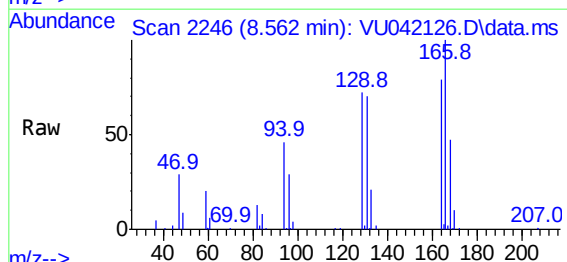
Instrument :
MSVOA_U
ClientSampled :
F1E24

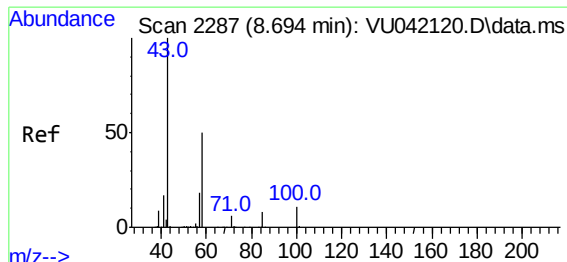
Tgt Ion: 75 Resp: 975
Ion Ratio Lower Upper
75 100
77 43.1 21.8 40.4#



#47
Tetrachloroethene
Concen: 3.43 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

Tgt Ion: 164 Resp: 24066
Ion Ratio Lower Upper
164 100
129 90.9 64.3 119.5
131 88.5 62.2 115.6
166 126.5 88.6 164.6

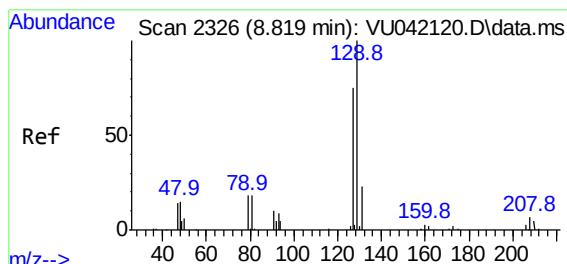
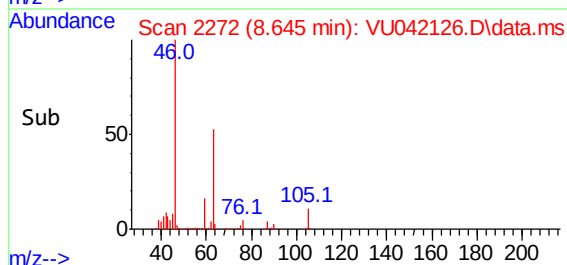
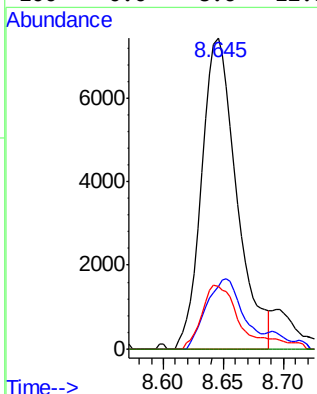
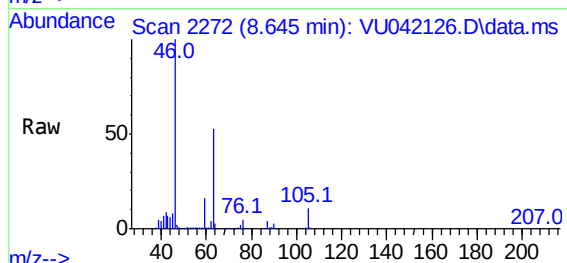




#48
2-Hexanone
Concen: 2.99 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.048 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

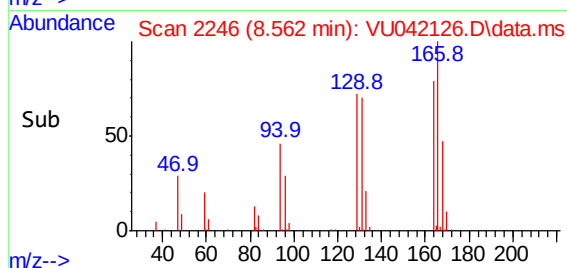
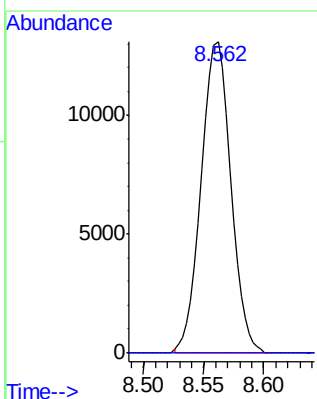
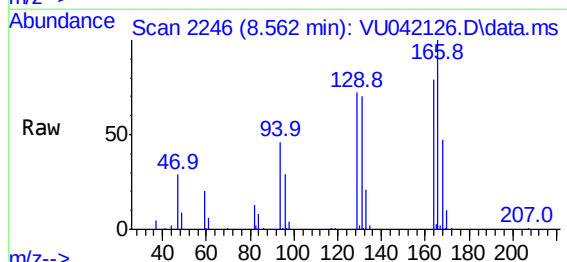
Instrument :
MSVOA_U
ClientSampleId :
F1E24

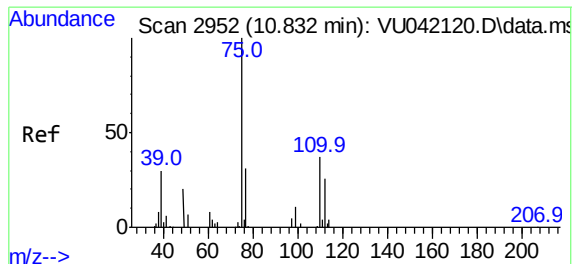
Tgt Ion: 43 Resp: 14661
Ion Ratio Lower Upper
43 100
58 23.9 40.6 61.0#
57 23.0 14.9 22.3#
100 0.0 8.6 12.8#



#49
Dibromochloromethane
Concen: 2.70 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042126.D
Acq: 20 Jan 2021 23:57

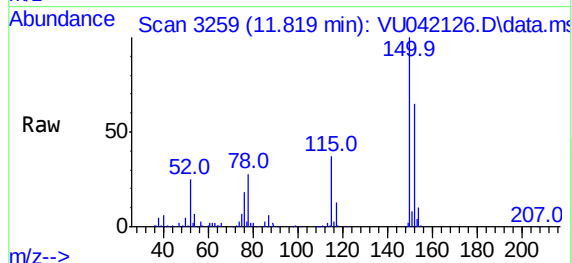
Tgt Ion: 129 Resp: 21849
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#





#59
 1,2,3-Trichloropropane
 Concen: 1.07 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU042126.D
 Acq: 20 Jan 2021 23:57

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E24



Tgt Ion: 75 Resp: 6242
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.0 39.0

