

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021221\
 Data File : VU042313.D
 Acq On : 12 Feb 2021 14:40
 Operator : SY/MD
 Sample : M1406-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFTA4

Quant Time: Feb 12 21:48:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 12 21:47:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	123215	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	115453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	62705	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	26775	3.37	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 67.40%			
7) Chloroethane-d5	1.919	69	24838	3.88	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 77.60%			
11) 1,1-Dichloroethene-d2	2.575	63	49955	2.85	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 57.00%#			
20) 2-Butanone-d5	4.645	46	139379	48.06	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.12%			
24) Chloroform-d	5.076	84	69036	4.16	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 83.20%			
26) 1,2-Dichloroethane-d4	5.713	65	43786	4.41	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.20%			
32) Benzene-d6	5.739	84	123776	4.10	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 82.00%			
36) 1,2-Dichloropropane-d6	6.703	67	41936	4.31	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 86.20%			
41) Toluene-d8	7.909	98	113089	3.97	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.40%			
43) trans-1,3-Dichloroprop...	8.189	79	17930	3.64	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 72.80%			
46) 2-Hexanone-d5	8.648	63	96084	44.77	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 89.54%			
57) 1,1,2,2-Tetrachloroeth...	10.767	84	37062	4.44	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 88.80%			
64) 1,2-Dichlorobenzene-d4	12.204	152	46525	4.13	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 82.60%			
Target Compounds						
8) Chloroethane	1.735	64	341	0.06	ug/L #	43
13) Acetone	2.655	43	1367	0.71	ug/L	77
17) Methyl tert-butyl Ether	3.375	73	3423	0.14	ug/L #	89
22) cis-1,2-Dichloroethene	4.681	96	1823	0.19	ug/L	68
25) Chloroform	5.095	83	2219	0.13	ug/L	91
27) 1,2-Dichloroethane	5.735	62	810	0.07	ug/L #	75
34) Trichloroethene	6.555	95	2533977	276.57	ug/L	98
35) Methylcyclohexane	6.703	83	10033	0.65	ug/L #	14
37) 1,2-Dichloropropane	6.703	63	5111	0.57	ug/L #	87
38) Bromodichloromethane	7.111	83	445	0.04	ug/L #	87
39) cis-1,3-Dichloropropene	7.578	75	1347	0.09	ug/L #	65
42) Toluene	7.976	91	1500	0.04	ug/L	88
44) trans-1,3-Dichloropropene	8.185	75	811	0.06	ug/L #	77
45) 1,1,2-Trichloroethane	8.555	97	425	0.06	ug/L #	13
47) Tetrachloroethene	8.562	164	47962	6.30	ug/L	98
48) 2-Hexanone	8.648	43	13487	2.53	ug/L #	69
49) Dibromochloromethane	8.562	129	44093	5.01	ug/L #	12
59) 1,2,3-Trichloropropane	11.822	75	7307	1.16	ug/L	92

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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BFTA4

Quant Time: Feb 12 21:48:48 2021
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 12 21:47:42 2021
Response via : Initial Calibration

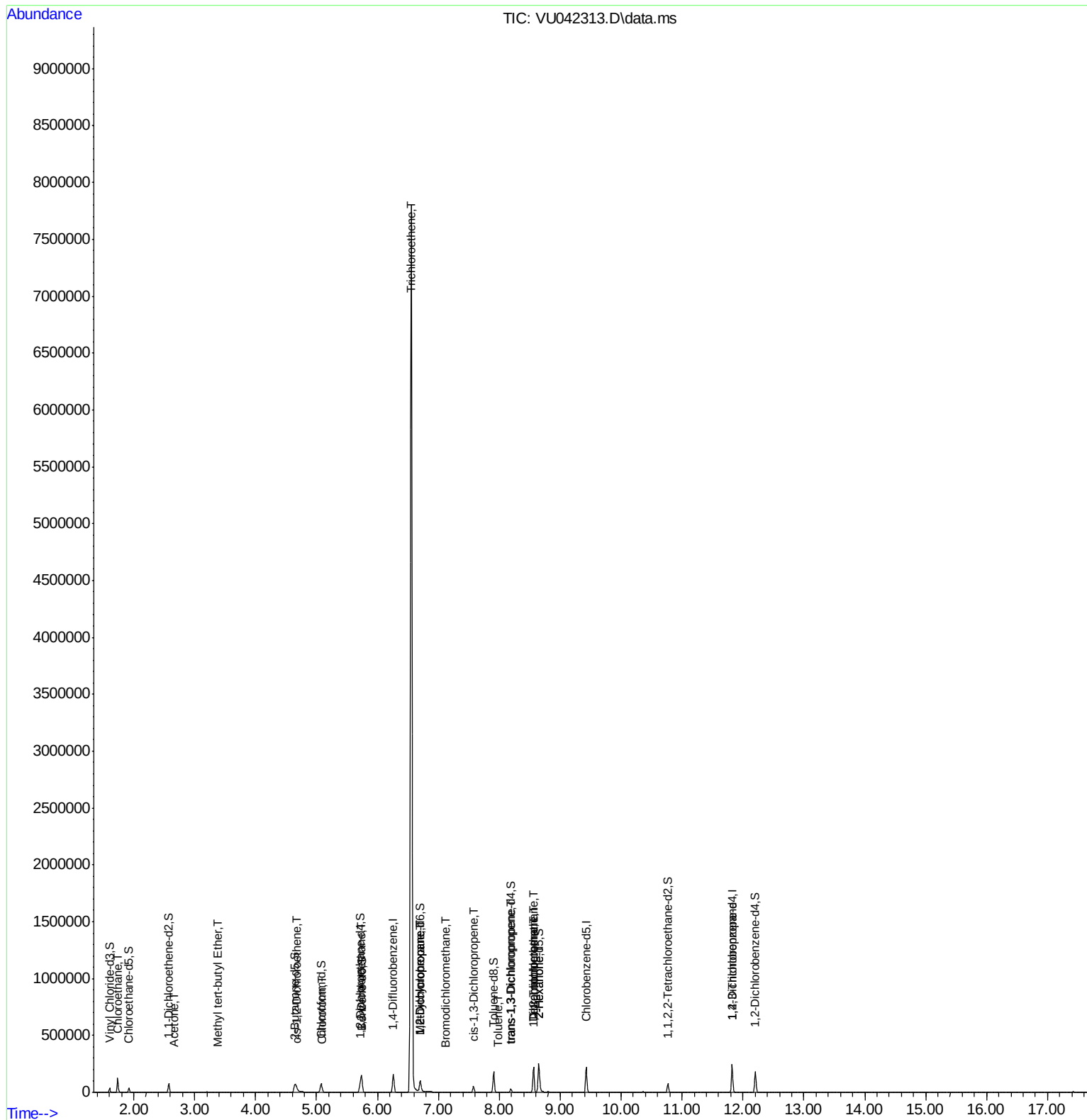
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

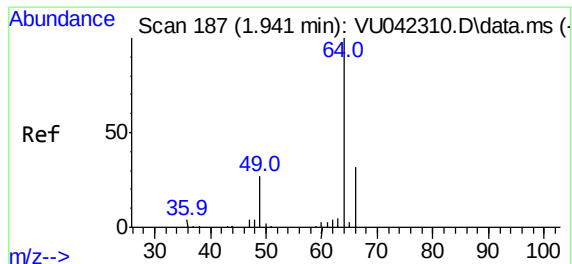
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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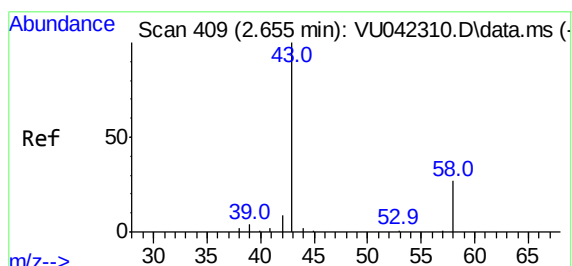
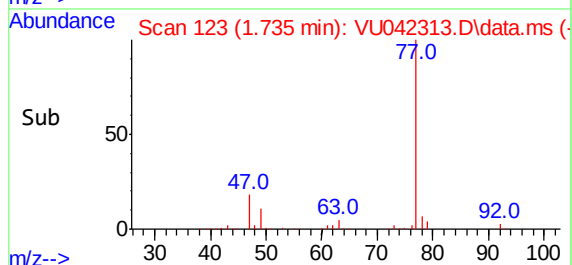
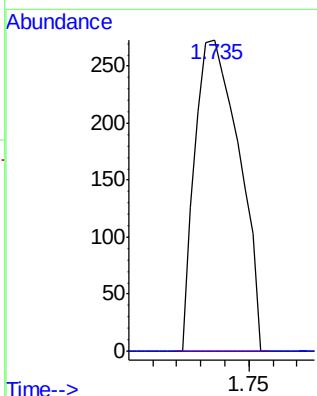
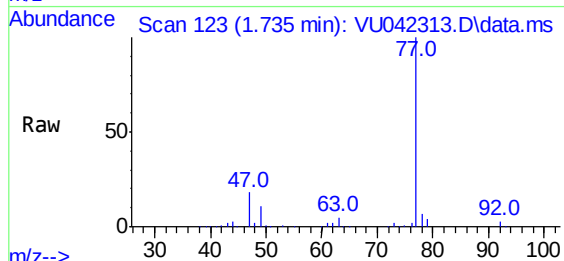




#8
Chloroethane
Concen: 0.06 ug/L
RT: 1.735 min Scan# 123
Delta R.T. -0.206 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

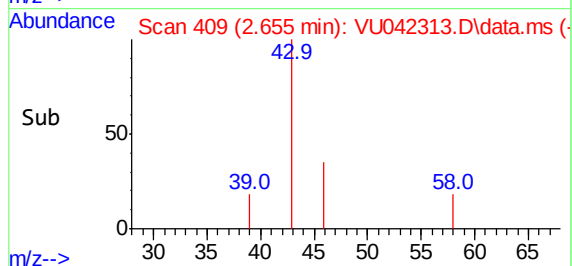
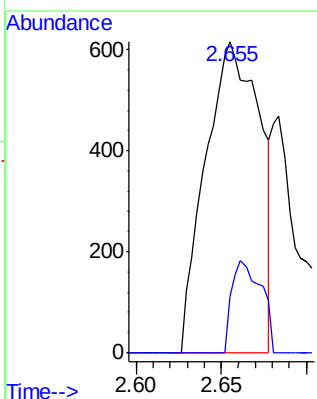
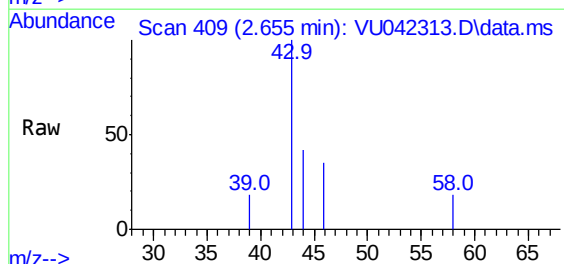
Instrument :
MSVOA_U
ClientSampleId :
BFTA4

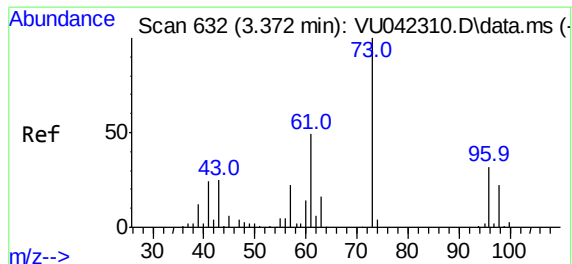
Tgt Ion: 64 Resp: 341
Ion Ratio Lower Upper
64 100
66 0.0 22.2 41.2#



#13
Acetone
Concen: 0.71 ug/L
RT: 2.655 min Scan# 409
Delta R.T. -0.000 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 16.0 0.0 55.8

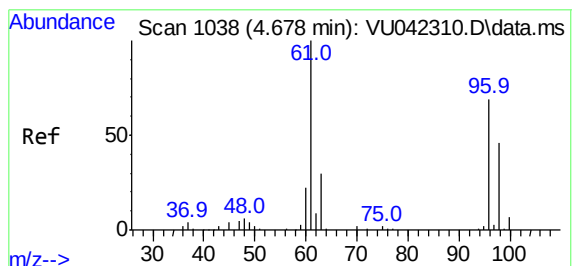
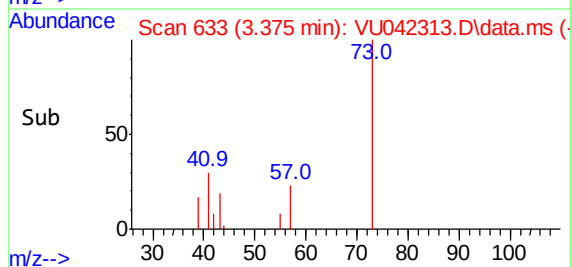
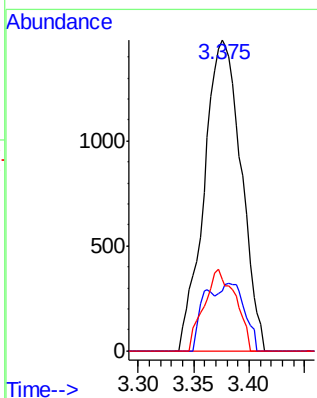
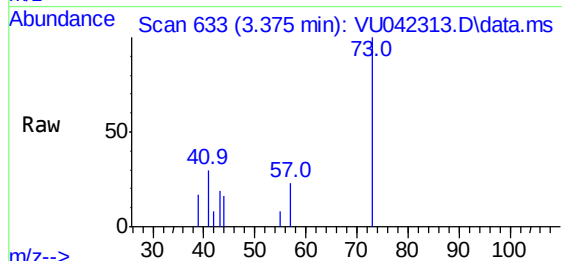




#17
Methyl tert-butyl Ether
Concen: 0.14 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

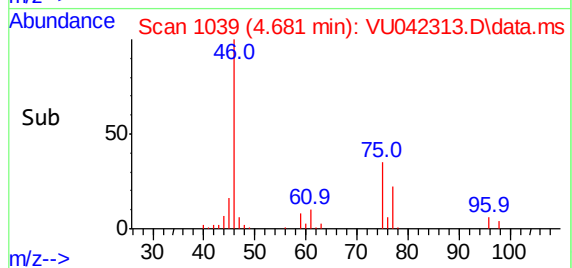
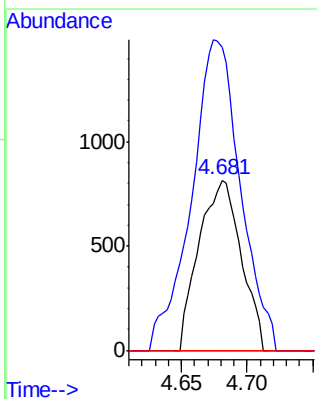
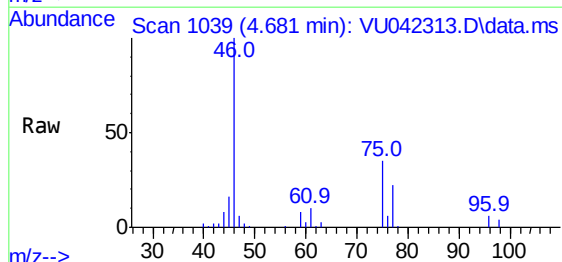
Instrument :
MSVOA_U
ClientSampleId :
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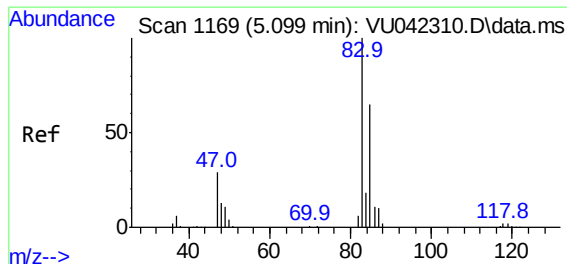
Tgt Ion: 73 Resp: 3423
Ion Ratio Lower Upper
73 100
43 13.7 18.9 28.3#
57 22.2 18.2 27.4



#22
cis-1,2-Dichloroethene
Concen: 0.19 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 96 Resp: 1823
Ion Ratio Lower Upper
96 100
61 178.4 97.8 181.6
68 0.0 0.0 0.0

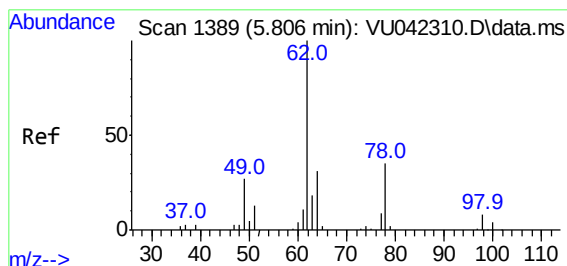
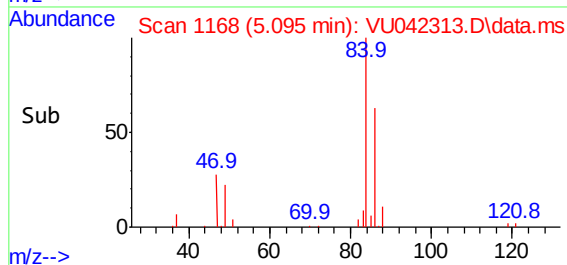
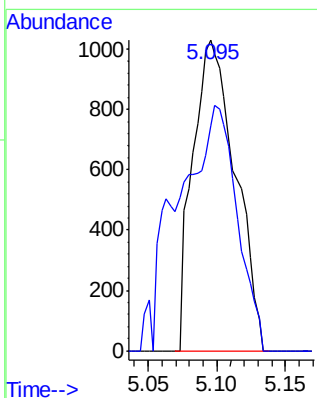
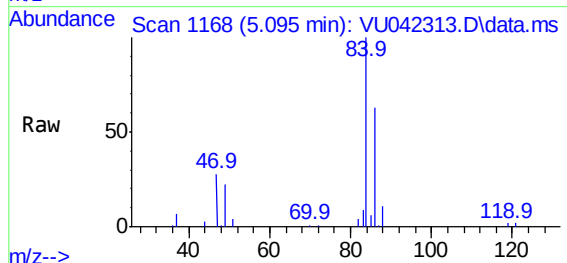




#25
Chloroform
Concen: 0.13 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

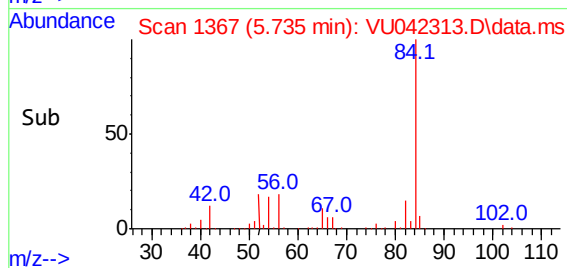
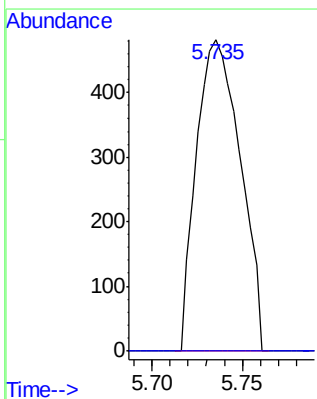
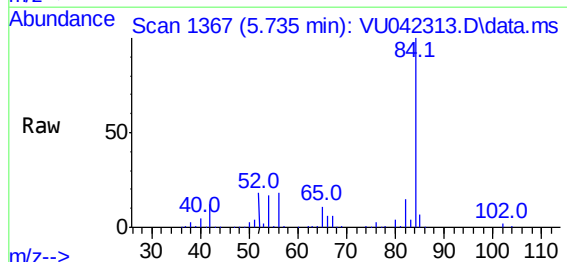
Instrument :
MSVOA_U
ClientSampled :
BFTA4

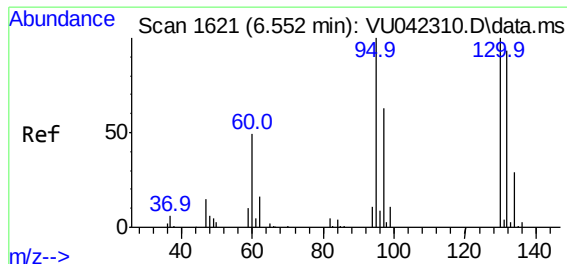
Tgt Ion: 83 Resp: 2219
Ion Ratio Lower Upper
83 100
85 72.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.735 min Scan# 1367
Delta R.T. -0.071 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 62 Resp: 810
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



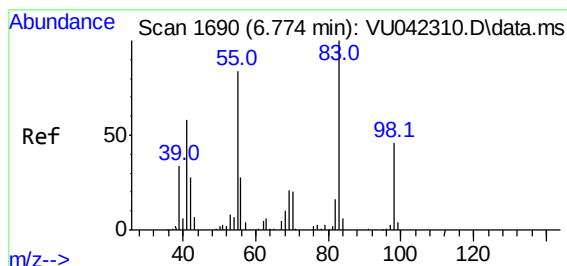
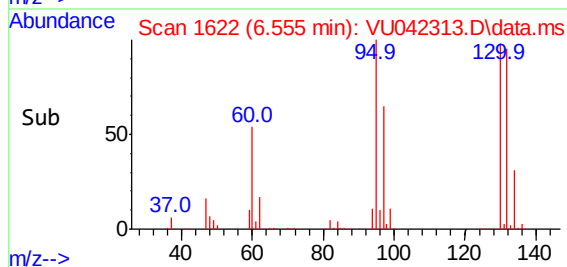
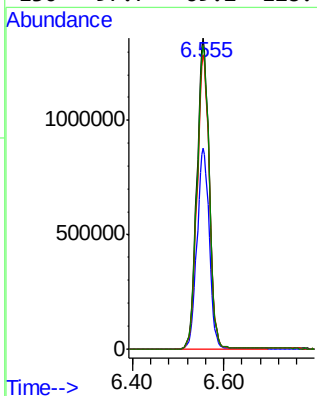
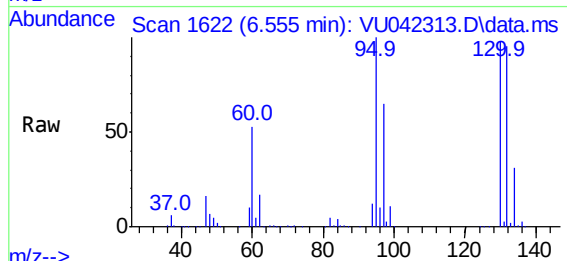


#34
Trichloroethene
Concen: 276.57 ug/L
RT: 6.555 min Scan# 1622
Delta R.T. 0.003 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Instrument :
MSVOA_U
ClientSampleId :
BFTA4

Tgt Ion: 95 Resp: 2533977

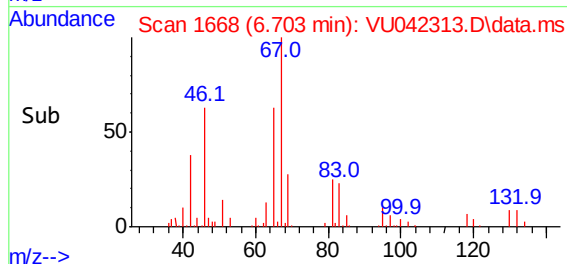
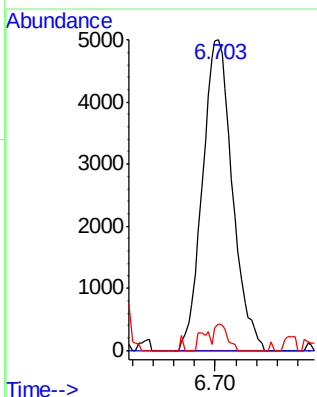
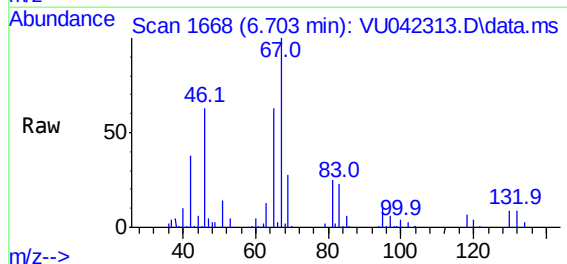
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.4	82.4
132	94.8	68.0	126.4
130	97.7	69.2	128.4

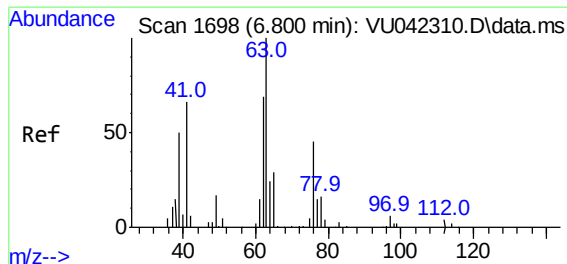


#35
Methylcyclohexane
Concen: 0.65 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.071 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 83 Resp: 10033

Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.2	102.4#
98	0.0	39.7	59.5#

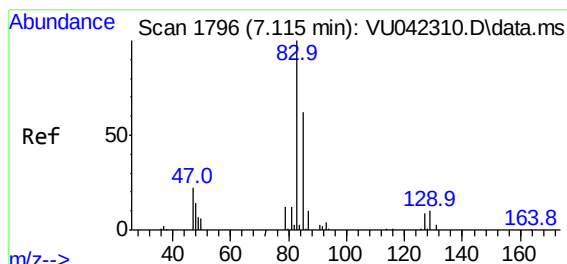
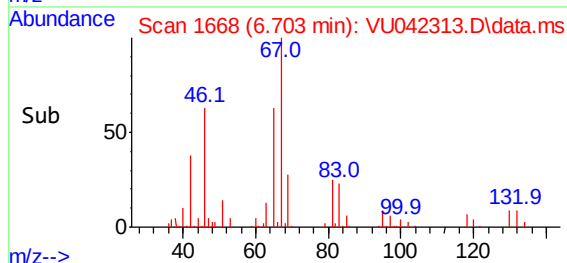
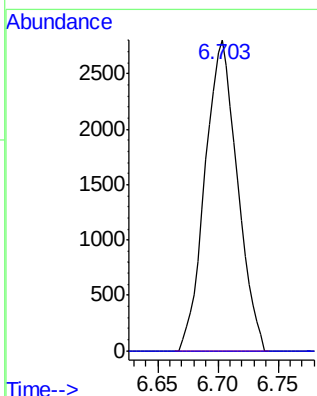
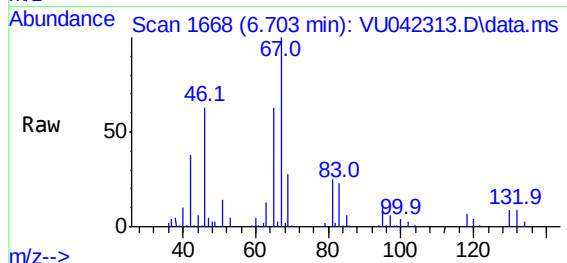




#37
1,2-Dichloropropane
Concen: 0.57 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.097 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

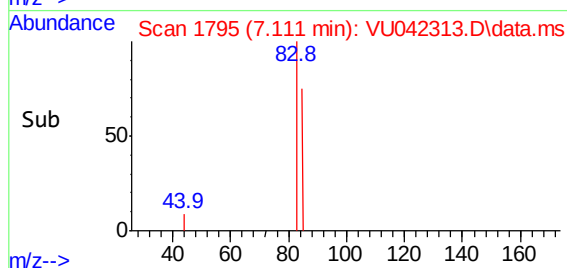
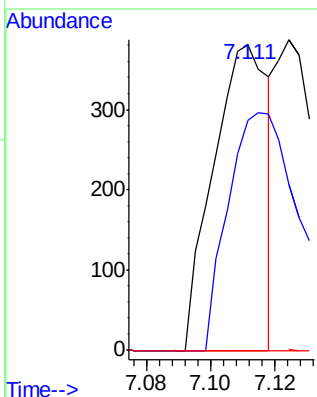
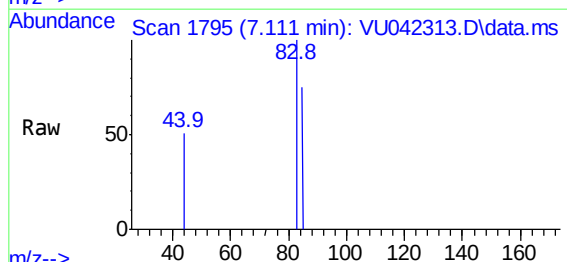
Instrument :
MSVOA_U
ClientSampleId :
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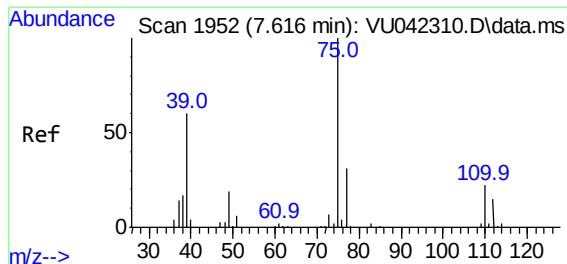
Tgt Ion: 63 Resp: 5111
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#38
Bromodichloromethane
Concen: 0.04 ug/L
RT: 7.111 min Scan# 1795
Delta R.T. -0.003 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 83 Resp: 445
Ion Ratio Lower Upper
83 100
85 75.3 46.0 85.4
127 0.0 6.8 10.2#

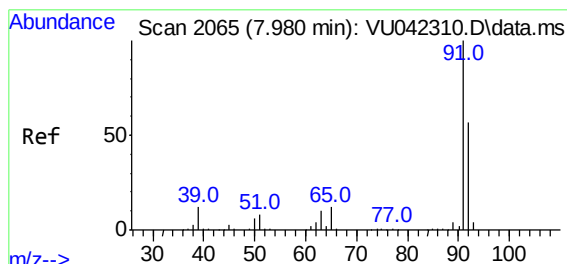
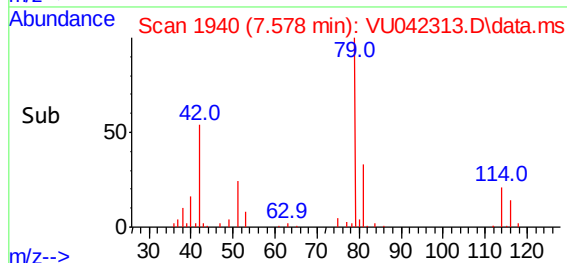
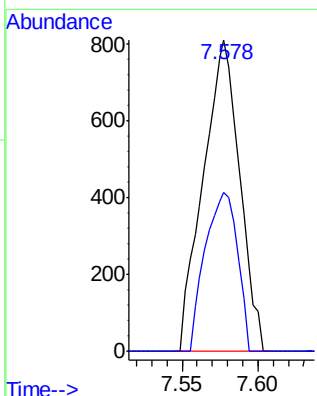
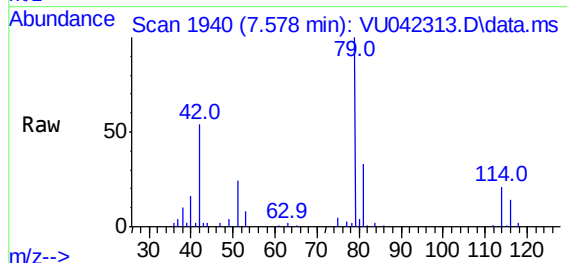




#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.039 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

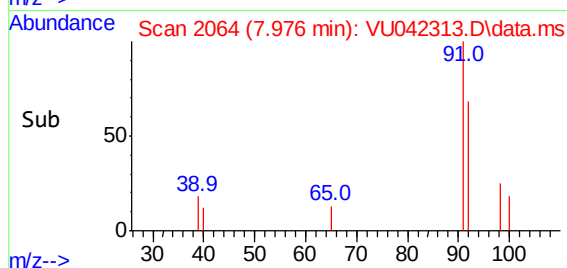
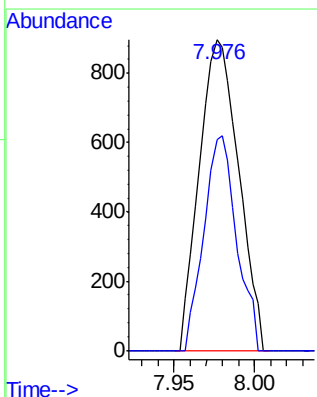
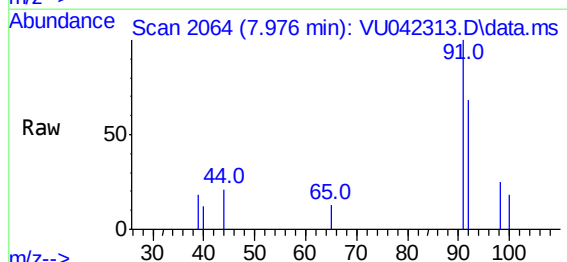
Instrument :
MSVOA_U
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BFTA4

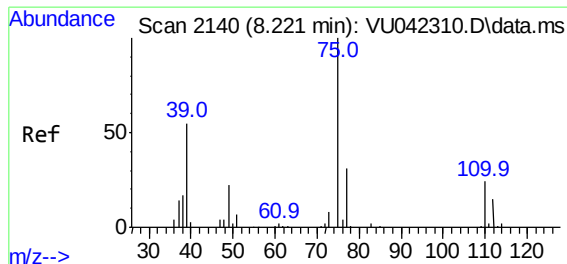
Tgt Ion: 75 Resp: 1347
Ion Ratio Lower Upper
75 100
77 51.0 22.0 40.8#



#42
Toluene
Concen: 0.04 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.003 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 91 Resp: 1500
Ion Ratio Lower Upper
91 100
92 68.0 41.2 76.6

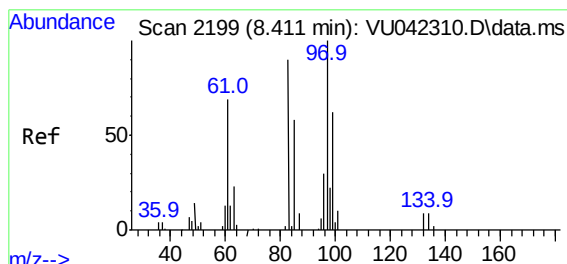
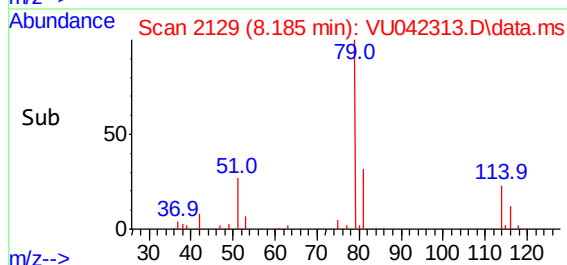
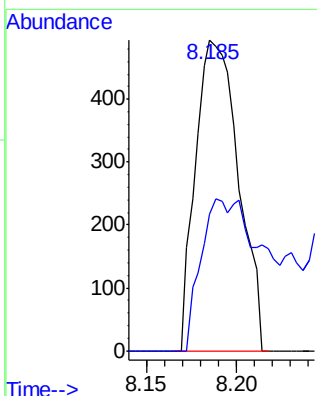
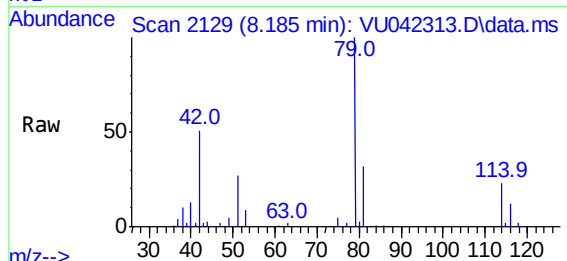




#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.035 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

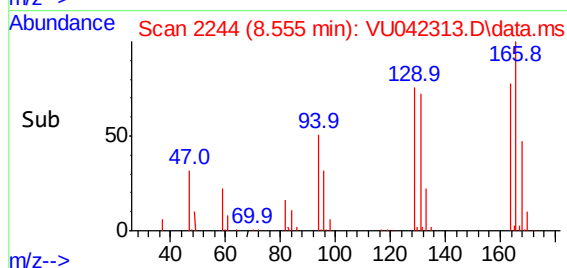
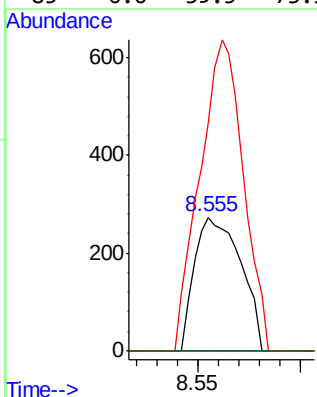
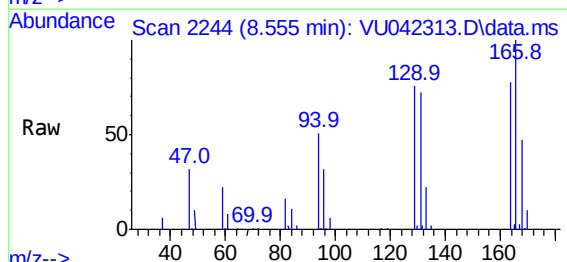
Instrument :
MSVOA_U
ClientSampleId :
BFTA4

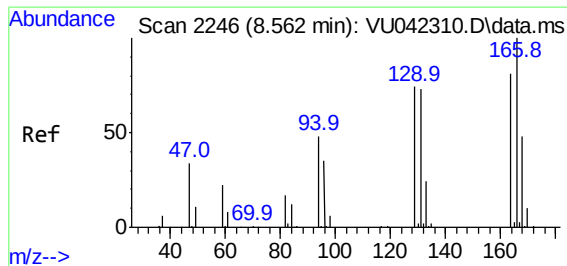
Tgt Ion: 75 Resp: 811
Ion Ratio Lower Upper
75 100
77 43.9 21.8 40.4#



#45
1,1,2-Trichloroethane
Concen: 0.06 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.145 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 97 Resp: 425
Ion Ratio Lower Upper
97 100
99 0.0 44.0 81.8#
83 171.1 57.6 107.0#
85 0.0 39.5 73.3#



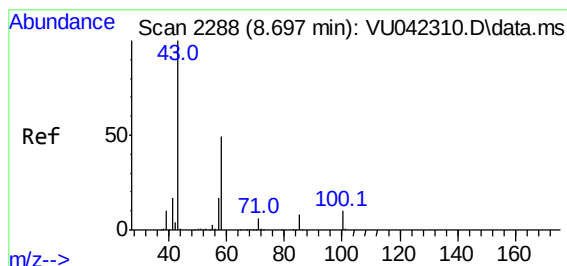
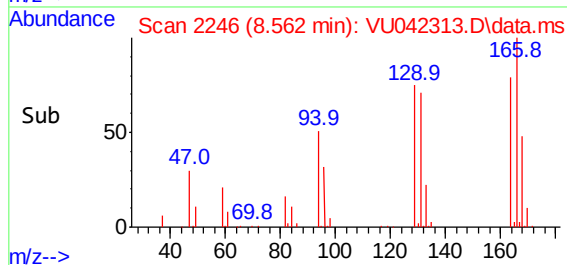
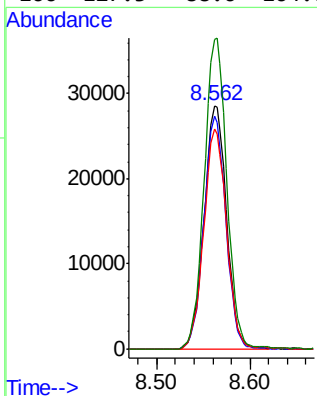
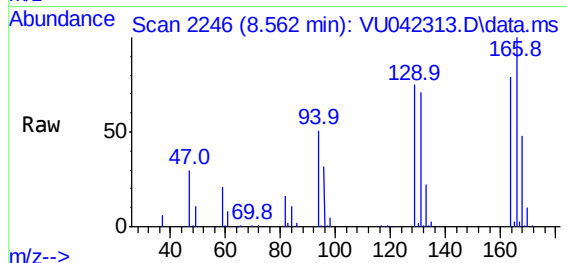


#47
Tetrachloroethene
Concen: 6.30 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Instrument :
MSVOA_U
ClientSampleId :
BFTA4

Tgt Ion:164 Resp: 47962

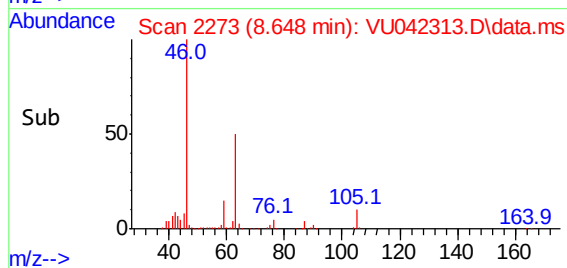
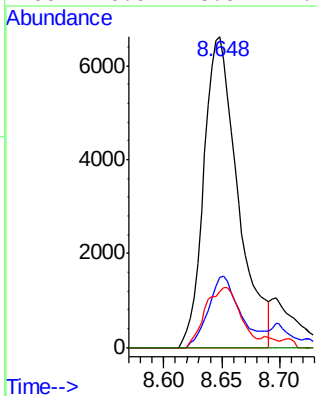
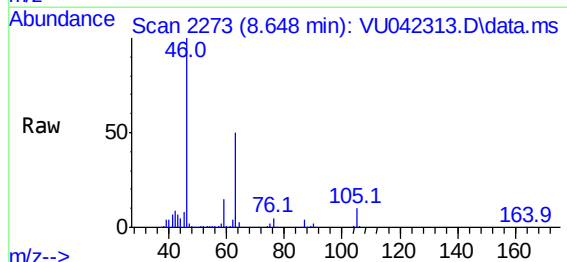
Ion	Ratio	Lower	Upper
164	100		
129	95.6	64.3	119.5
131	90.4	62.2	115.6
166	127.3	88.6	164.6

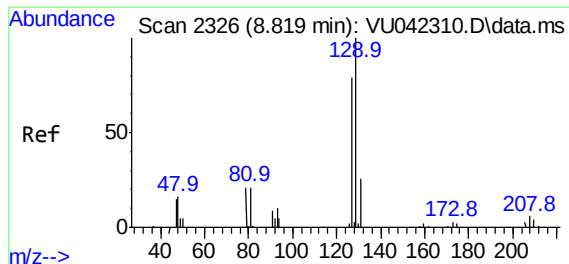


#48
2-Hexanone
Concen: 2.53 ug/L
RT: 8.648 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU042313.D
Acq: 12 Feb 2021 14:40

Tgt Ion: 43 Resp: 13487

Ion	Ratio	Lower	Upper
43	100		
58	21.7	40.6	61.0#
57	19.7	14.9	22.3
100	0.0	8.6	12.8#

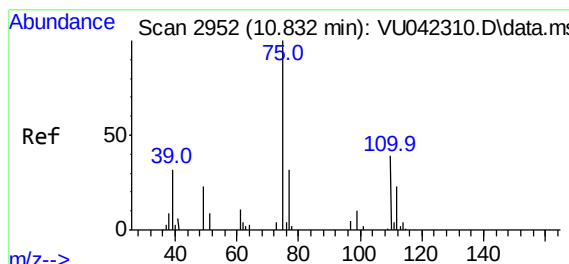
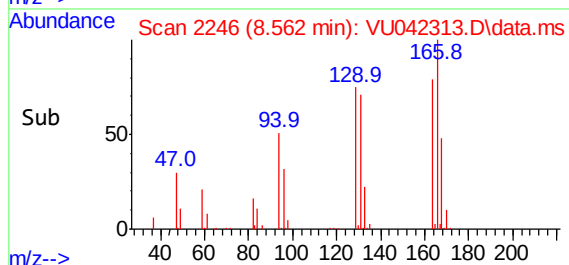
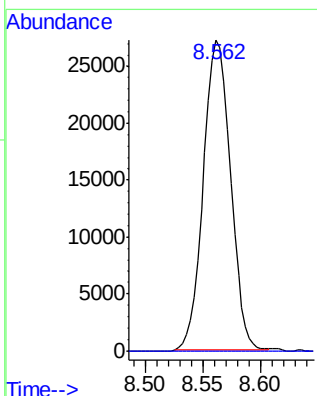
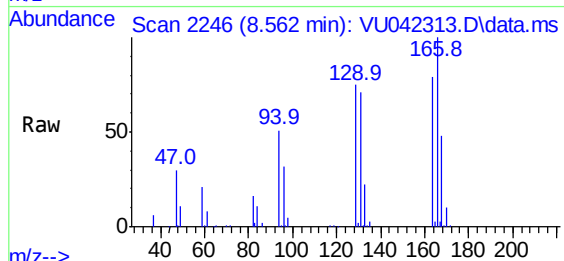




#49
 Dibromochloromethane
 Concen: 5.01 ug/L
 RT: 8.562 min Scan# 2246
 Delta R.T. -0.257 min
 Lab File: VU042313.D
 Acq: 12 Feb 2021 14:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BFTA4

Tgt Ion:129 Resp: 44093
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.3 97.1#



#59
 1,2,3-Trichloropropane
 Concen: 1.16 ug/L
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.990 min
 Lab File: VU042313.D
 Acq: 12 Feb 2021 14:40

Tgt Ion: 75 Resp: 7307
 Ion Ratio Lower Upper
 75 100
 77 37.0 26.0 39.0

