

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011421\
 Data File : VU042030.D
 Acq On : 14 Jan 2021 13:27
 Operator : SY/MD
 Sample : M1027-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK9

Quant Time: Jan 15 05:23:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 05:20:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	133022	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	123386	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	50331	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	40946	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.919	69	41494	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.575	63	61635	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.649	46	148711	44.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.30%
24) Chloroform-d	5.079	84	89869	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.716	65	49977	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.742	84	167571	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.700	67	57885	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.902	98	139276	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloroprop...	8.185	79	21897	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.642	63	126855	47.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.12%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	44655	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	12.188	152	44762	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	6485	0.53	ug/L	97
3) Chloromethane	1.523	50	1599	0.10	ug/L	91
9) Trichlorofluoromethane	2.141	101	658	0.03	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	688	0.06	ug/L #	21
13) Acetone	2.658	43	4357	2.07	ug/L	87
16) Methylene chloride	3.060	84	1742	0.14	ug/L	89
17) Methyl tert-butyl Ether	3.379	73	22146	0.81	ug/L	98
22) cis-1,2-Dichloroethene	4.681	96	8322	0.75	ug/L	83
25) Chloroform	5.102	83	2799	0.13	ug/L	90
27) 1,2-Dichloroethane	5.809	62	1529	0.11	ug/L #	83
29) 1,1,1-Trichloroethane	5.330	97	1797	0.10	ug/L	95
34) Trichloroethene	6.552	95	183717	16.10	ug/L	96
35) Methylcyclohexane	6.703	83	13854	0.77	ug/L #	16
37) 1,2-Dichloropropane	6.703	63	6439	0.54	ug/L #	90
44) trans-1,3-Dichloropropene	8.192	75	833	0.05	ug/L #	82
45) 1,1,2-Trichloroethane	8.558	97	1106	0.13	ug/L #	19
47) Tetrachloroethene	8.558	164	132366	17.90	ug/L	92
48) 2-Hexanone	8.642	43	15687	2.84	ug/L #	65
49) Dibromochloromethane	8.555	129	137689	15.07	ug/L #	11
59) 1,2,3-Trichloropropane	11.809	75	5700	0.73	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 05:20:45 2021
Response via : Initial Calibration

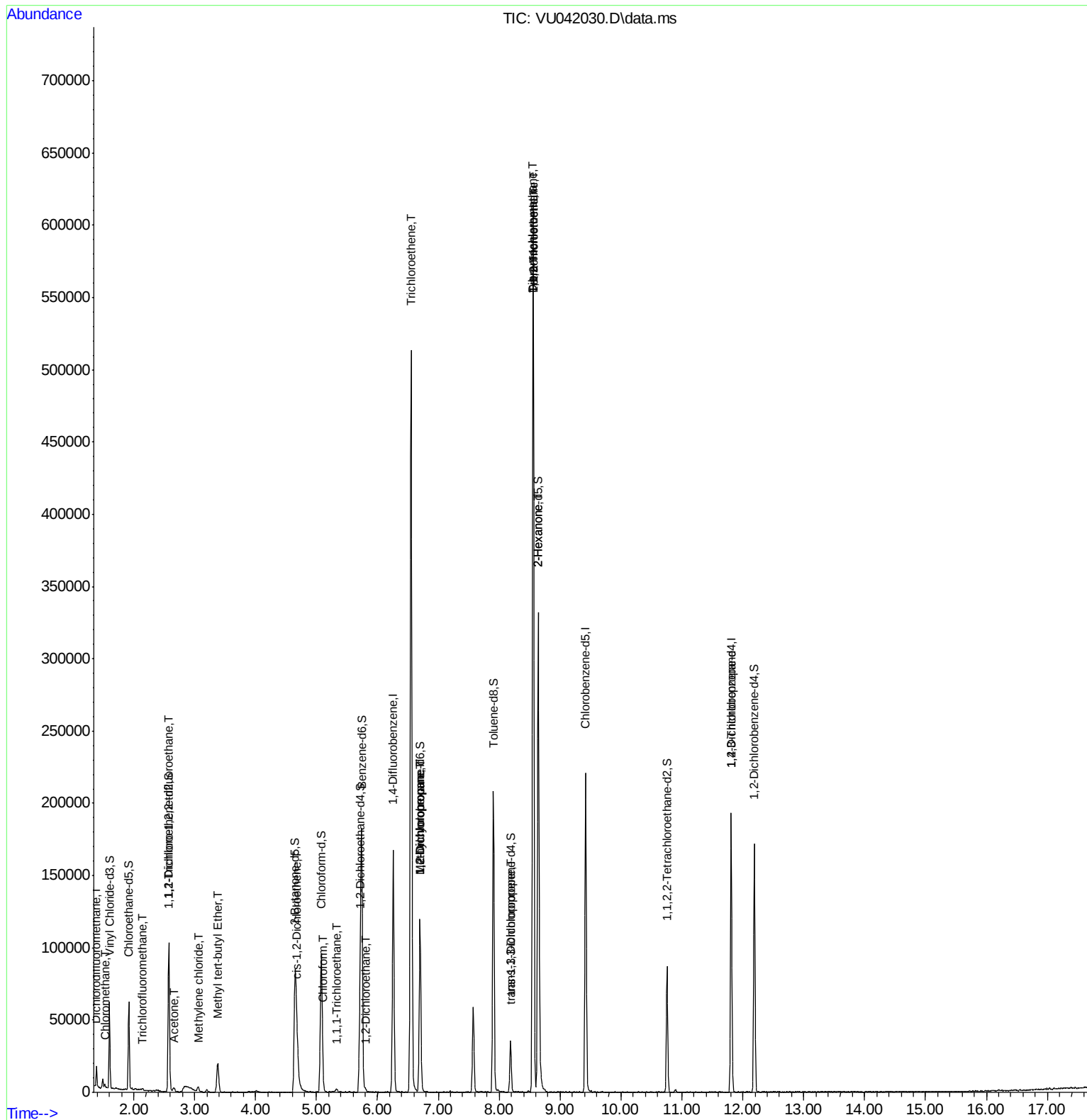
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

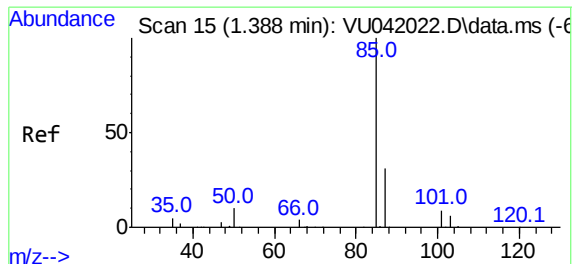
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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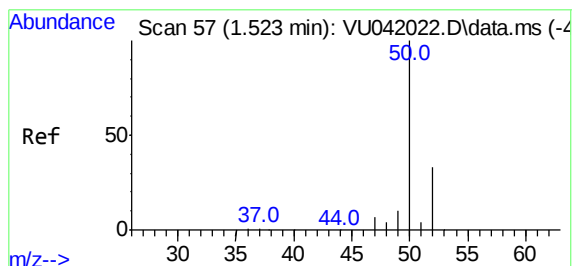
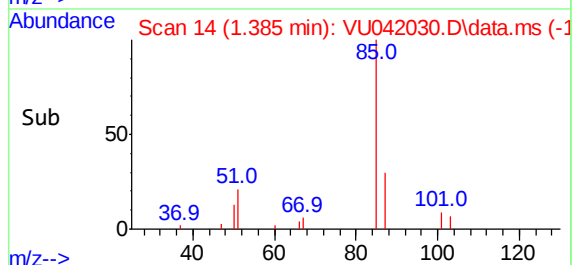
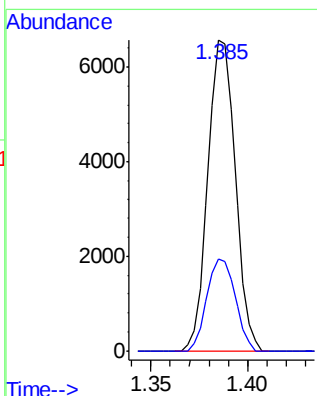
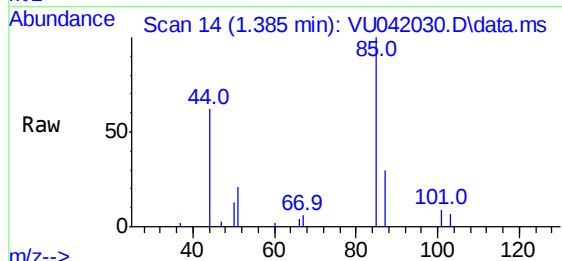




#2
Dichlorodifluoromethane
Concen: 0.53 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

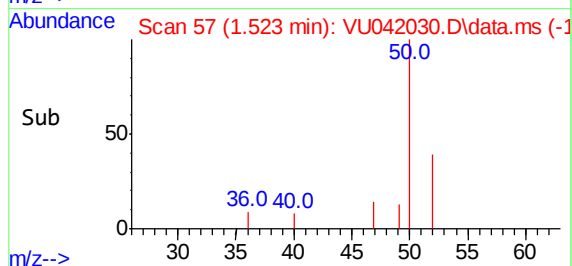
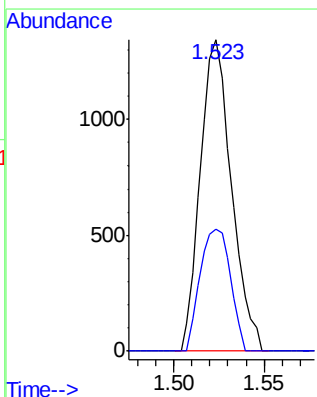
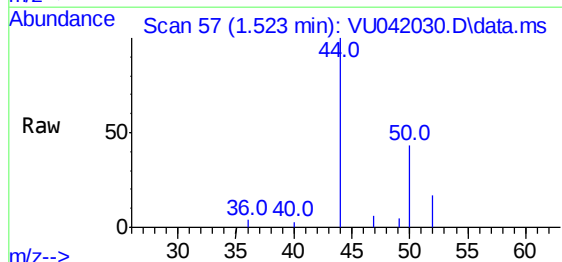
Instrument :
MSVOA_U
ClientSampled :
BFXK9

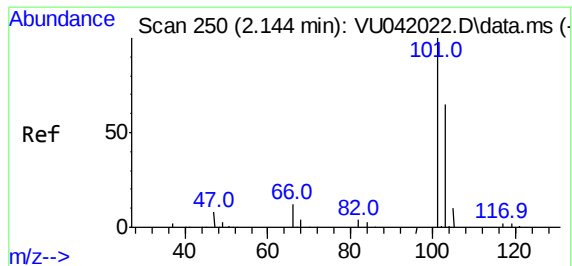
Tgt Ion: 85 Resp: 6485
Ion Ratio Lower Upper
85 100
87 30.6 25.7 38.5



#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 50 Resp: 1599
Ion Ratio Lower Upper
50 100
52 38.9 23.5 43.7

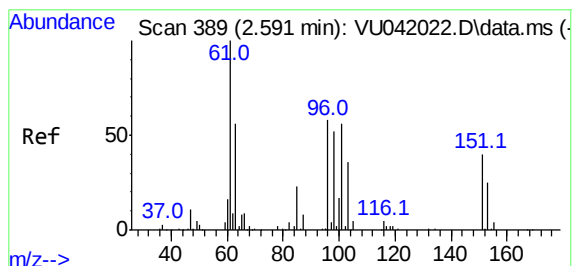
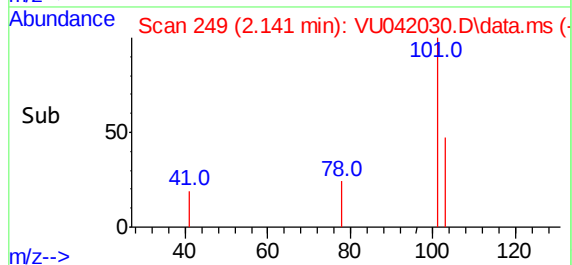
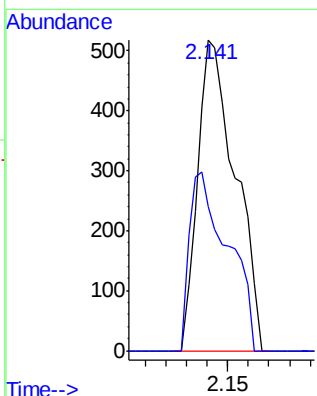
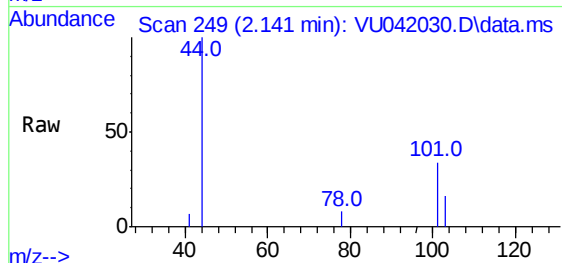




#9
Trichlorofluoromethane
Concen: 0.03 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

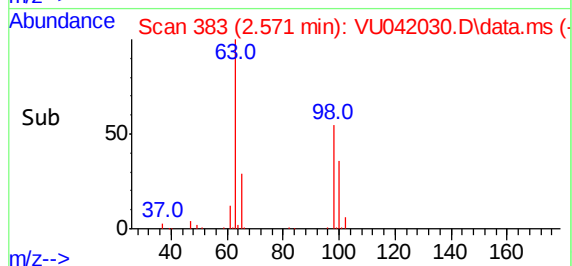
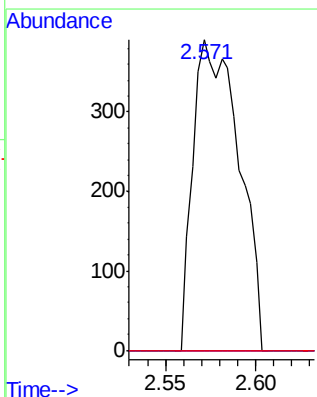
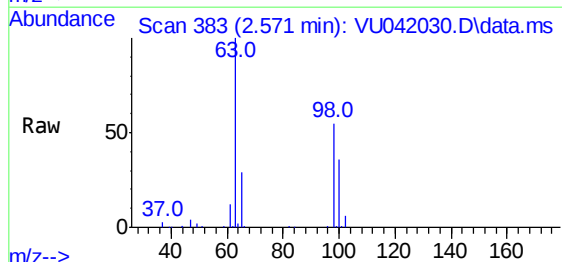
Instrument :
MSVOA_U
ClientSampleId :
BFXK9

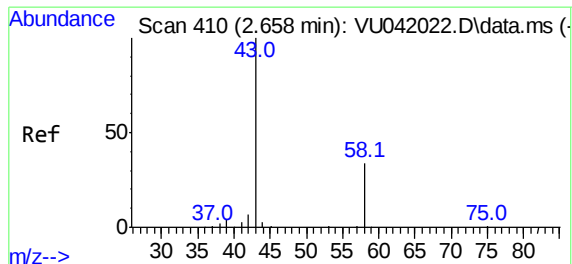
Tgt Ion:101 Resp: 658
Ion Ratio Lower Upper
101 100
103 58.8 51.6 77.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.019 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion:101 Resp: 688
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 0.0 55.4 83.2#

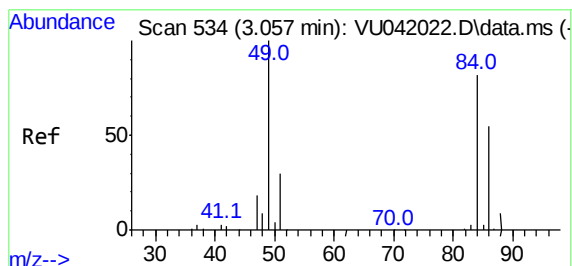
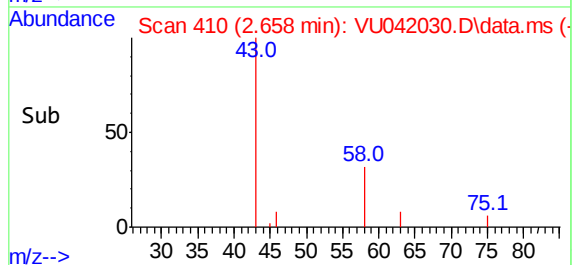
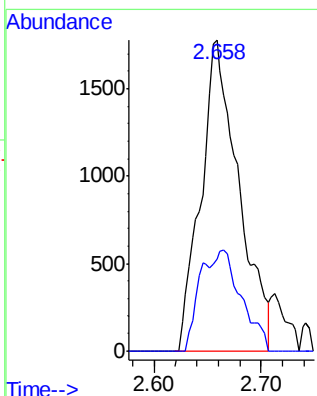
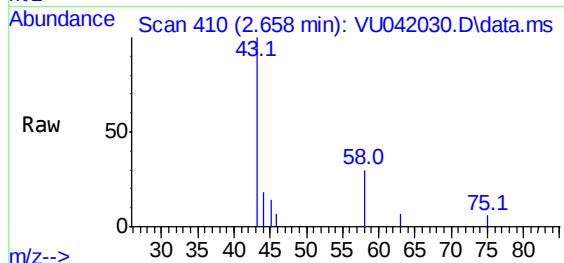




#13
Acetone
Concen: 2.07 ug/L
RT: 2.658 min Scan# 410
Delta R.T. 0.000 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

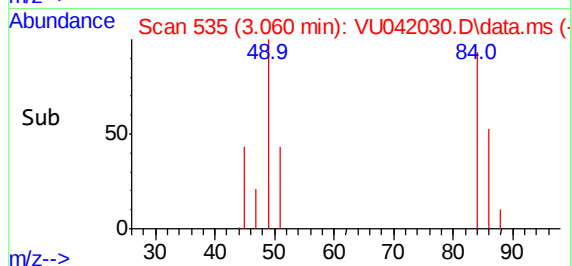
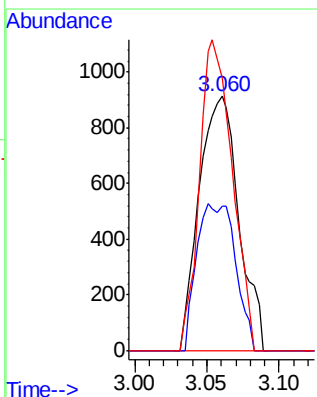
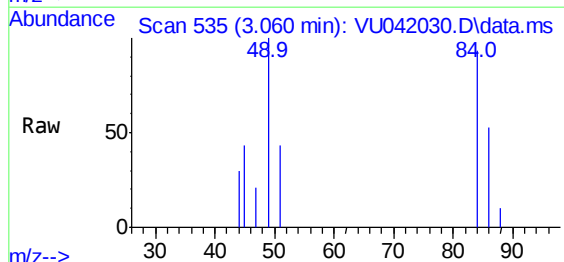
Instrument :
MSVOA_U
ClientSampleId :
BFXK9

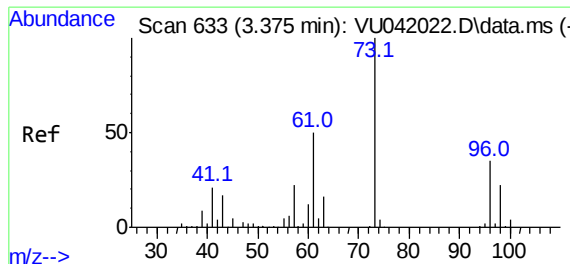
Tgt Ion: 43 Resp: 4357
Ion Ratio Lower Upper
43 100
58 21.9 0.0 57.4



#16
Methylene chloride
Concen: 0.14 ug/L
RT: 3.060 min Scan# 535
Delta R.T. 0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 84 Resp: 1742
Ion Ratio Lower Upper
84 100
86 56.8 42.6 79.0
49 107.0 86.2 160.0

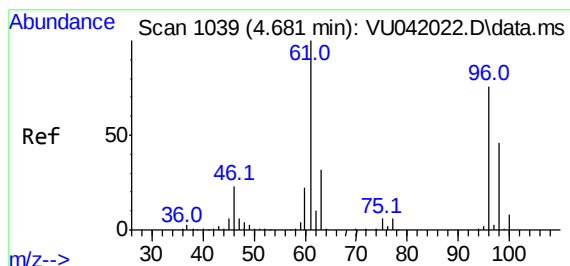
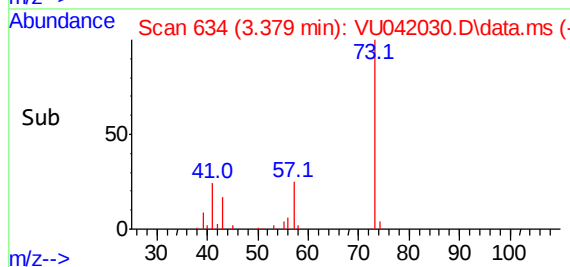
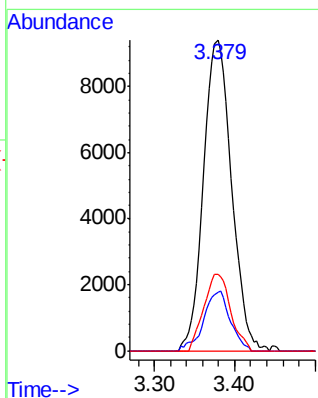
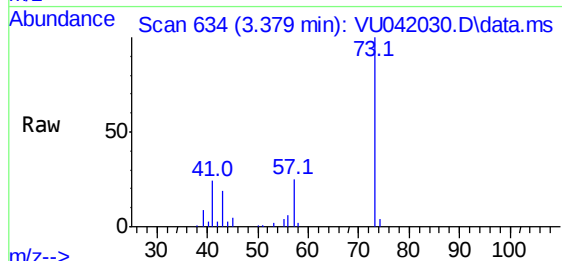




#17
Methyl tert-butyl Ether
Concen: 0.81 ug/L
RT: 3.379 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

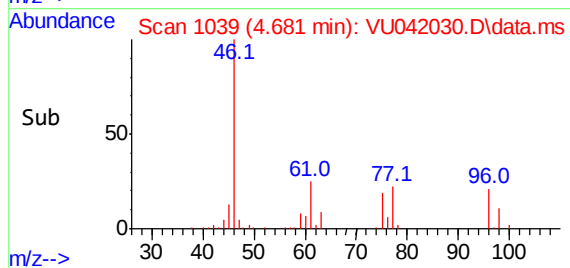
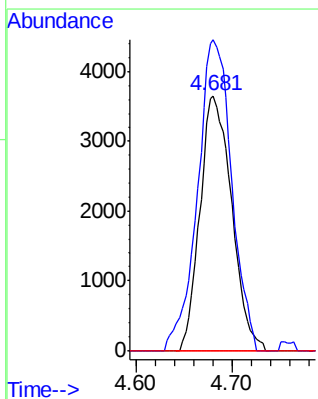
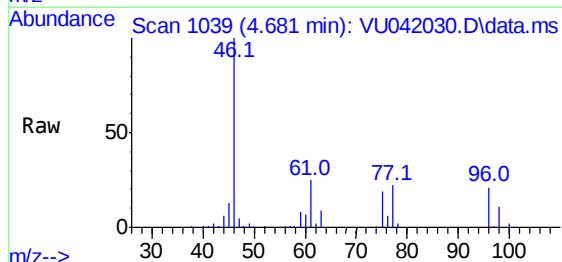
Instrument :
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ClientSampled :
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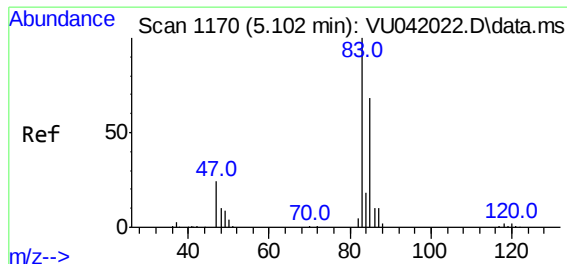
Tgt Ion: 73 Resp: 22146
Ion Ratio Lower Upper
73 100
43 18.0 15.1 22.7
57 23.4 18.0 27.0



#22
cis-1,2-Dichloroethene
Concen: 0.75 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 96 Resp: 8322
Ion Ratio Lower Upper
96 100
61 122.0 100.3 186.3
68 0.0 0.0 0.0

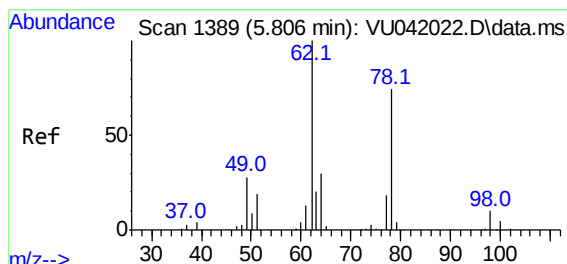
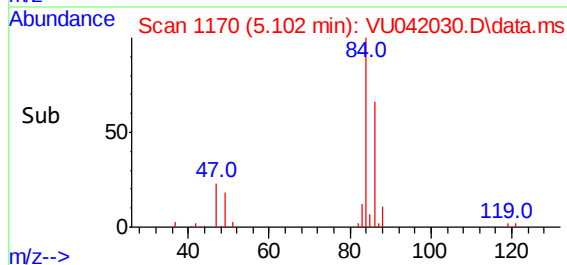
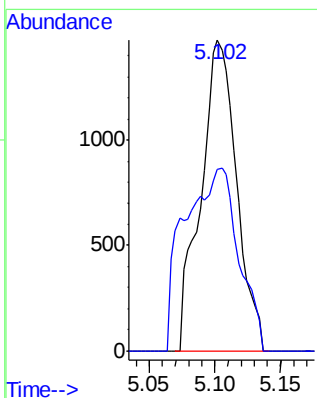
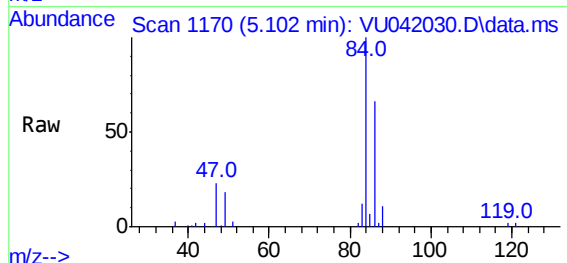




#25
Chloroform
Concen: 0.13 ug/L
RT: 5.102 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

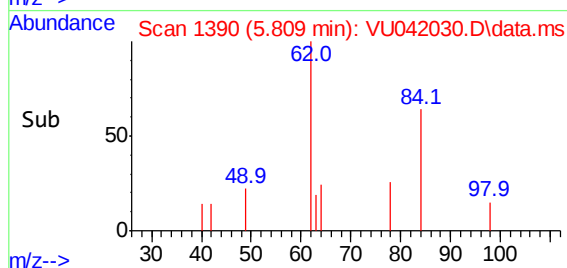
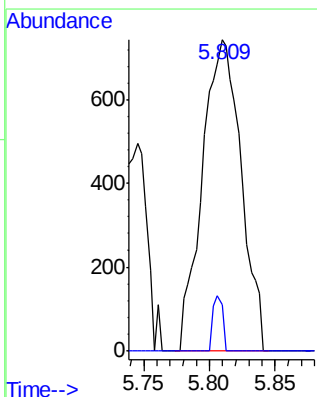
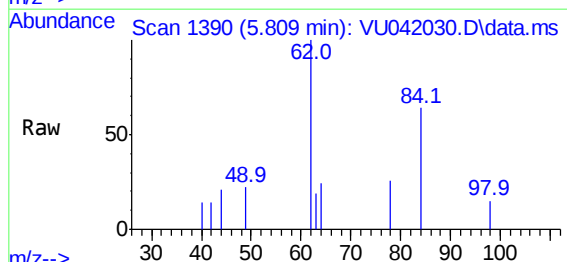
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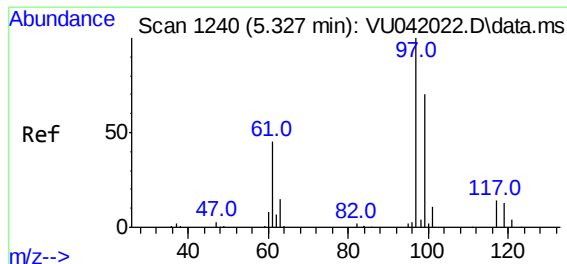
Tgt Ion: 83 Resp: 2799
Ion Ratio Lower Upper
83 100
85 58.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.11 ug/L
RT: 5.809 min Scan# 1390
Delta R.T. 0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 62 Resp: 1529
Ion Ratio Lower Upper
62 100
98 14.9 7.1 10.7#

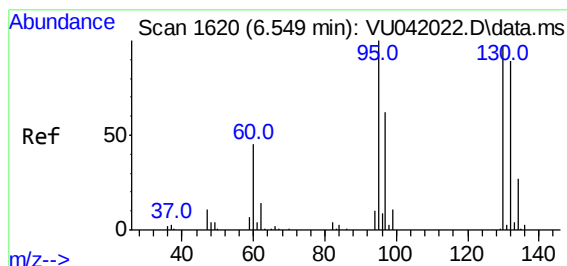
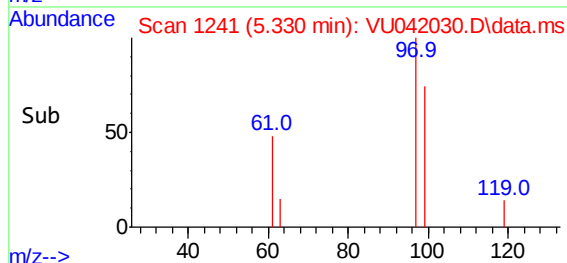
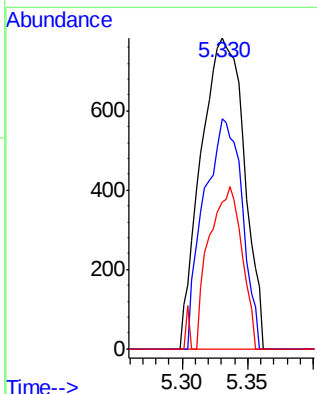
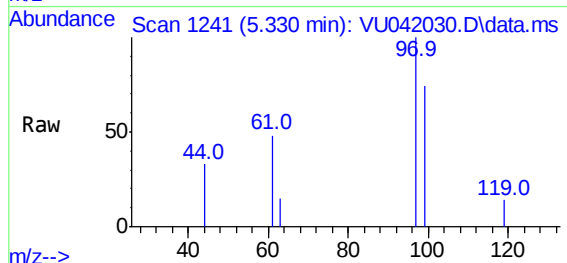




#29
1,1,1-Trichloroethane
Concen: 0.10 ug/L
RT: 5.330 min Scan# 1241
Delta R.T. 0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

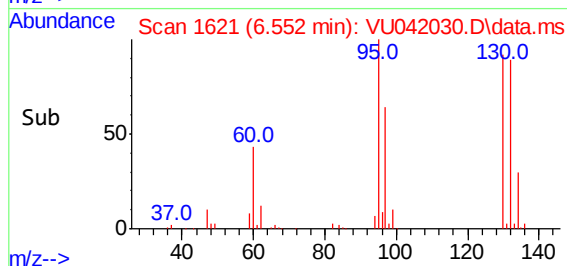
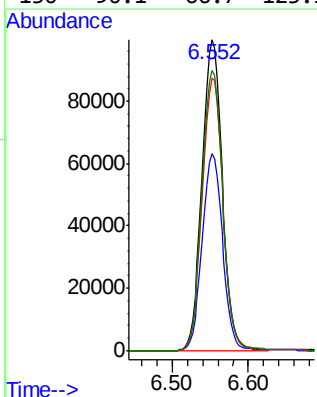
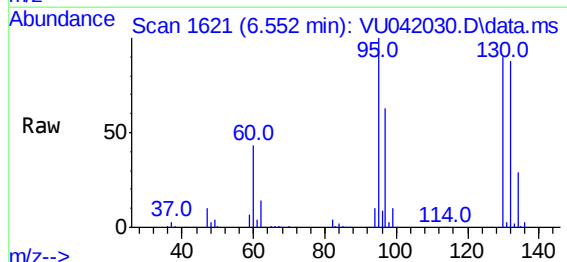
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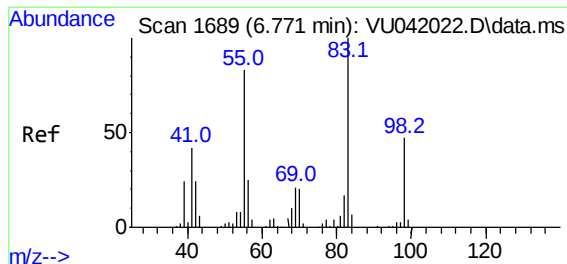
Tgt Ion: 97 Resp: 1797
Ion Ratio Lower Upper
97 100
99 65.1 50.2 75.4
61 39.3 35.8 53.6



#34
Trichloroethene
Concen: 16.10 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 95 Resp: 183717
Ion Ratio Lower Upper
95 100
97 63.4 43.6 81.0
132 87.6 64.3 119.3
130 90.1 66.7 123.9

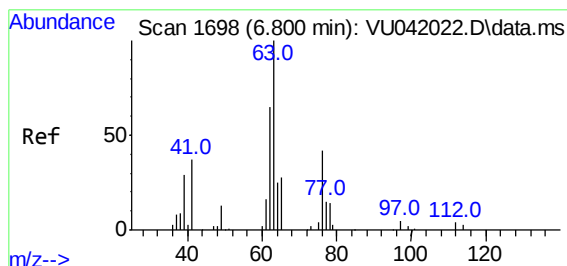
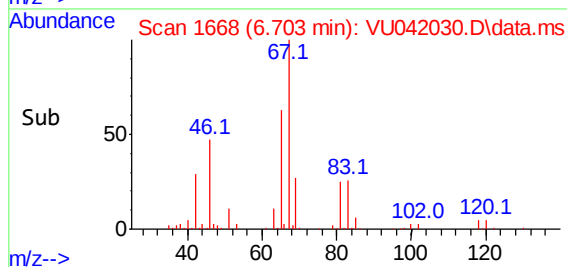
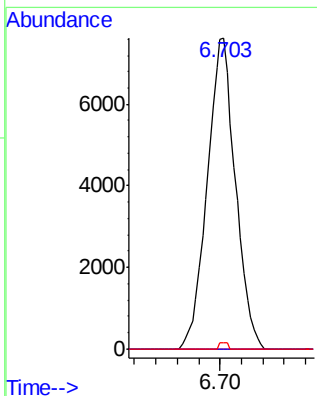
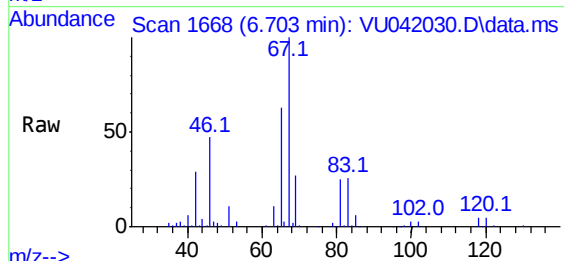




#35
Methylcyclohexane
Concen: 0.77 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.067 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

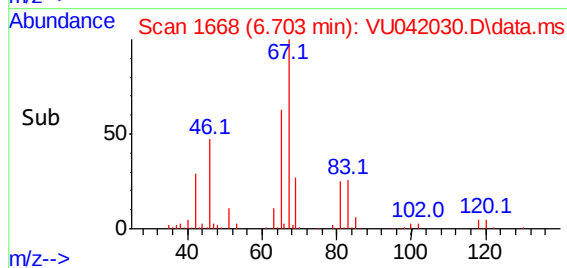
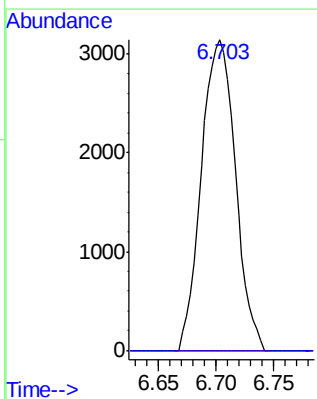
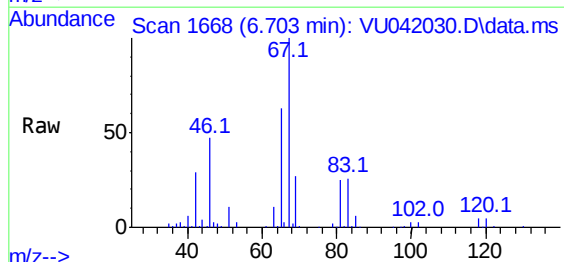
Instrument :
MSVOA_U
ClientSampleId :
BFXK9

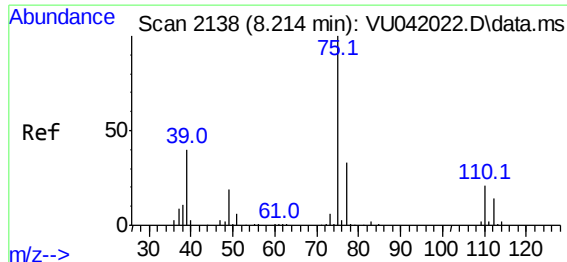
Tgt Ion: 83 Resp: 13854
Ion Ratio Lower Upper
83 100
55 0.0 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.54 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.096 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 63 Resp: 6439
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



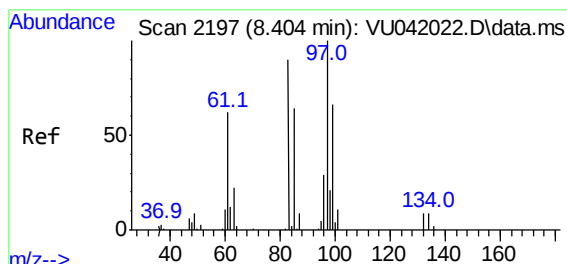
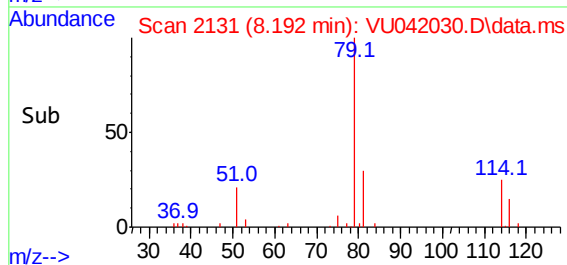
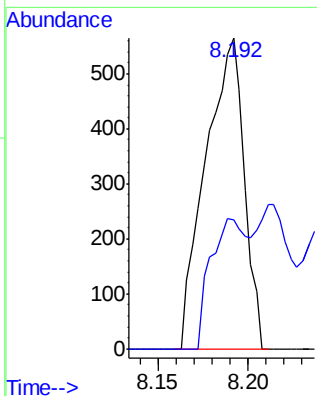
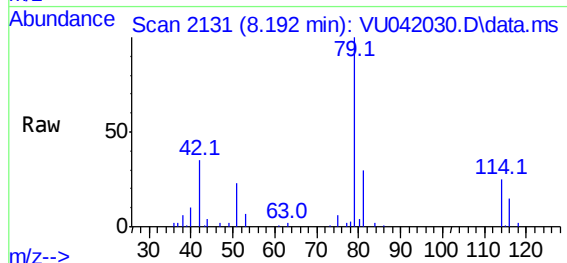


#44

trans-1,3-Dichloropropene
Concen: 0.05 ug/L
RT: 8.192 min Scan# 2131
Delta R.T. -0.022 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Instrument :
MSVOA_U
ClientSampled :
BFXK9

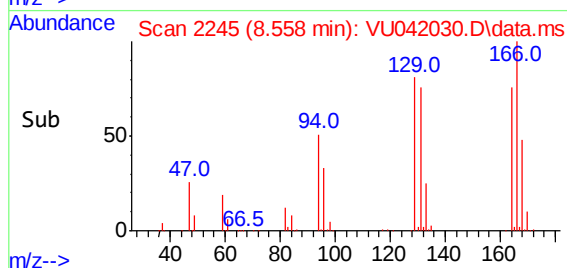
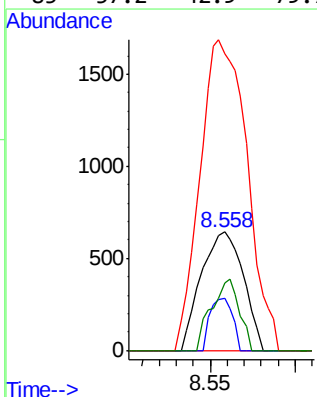
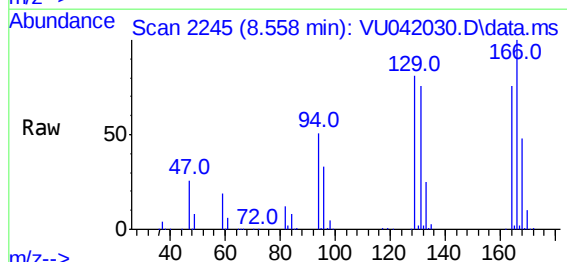
Tgt Ion: 75 Resp: 833
Ion Ratio Lower Upper
75 100
77 41.4 22.0 41.0#

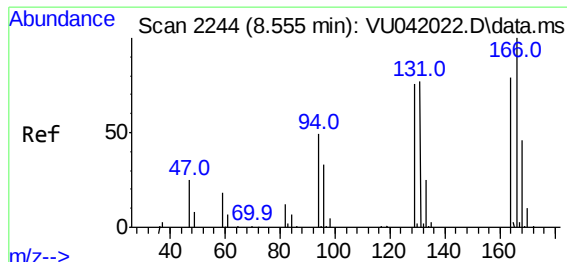


#45

1,1,2-Trichloroethane
Concen: 0.13 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.154 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 97 Resp: 1106
Ion Ratio Lower Upper
97 100
99 44.2 44.7 83.1#
83 251.0 61.6 114.4#
85 57.2 42.9 79.7

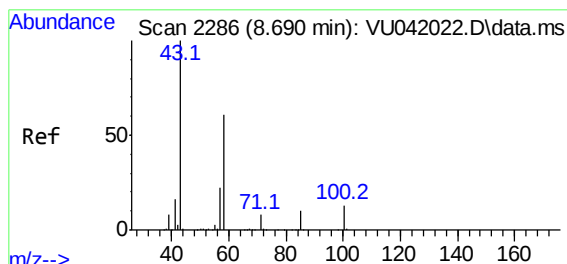
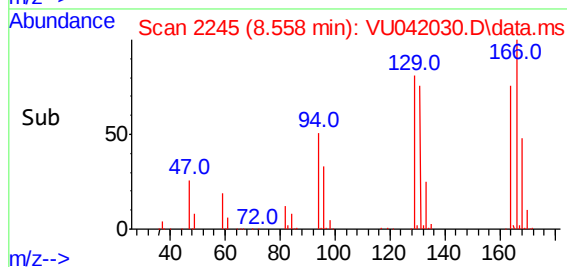
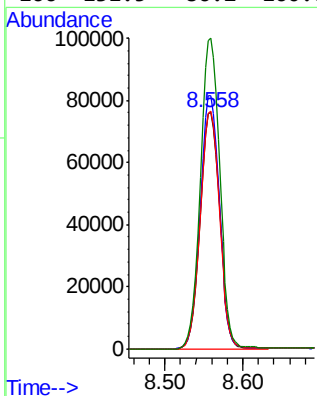
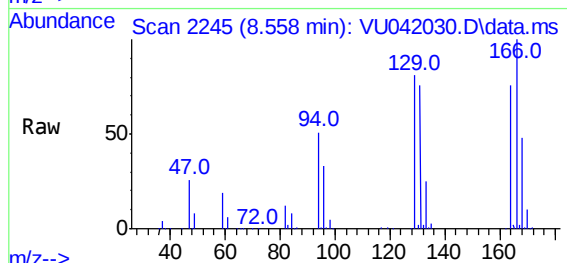




#47
Tetrachloroethene
Concen: 17.90 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

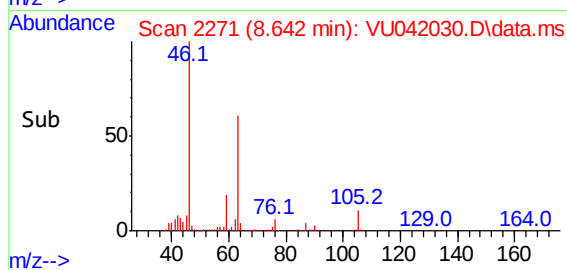
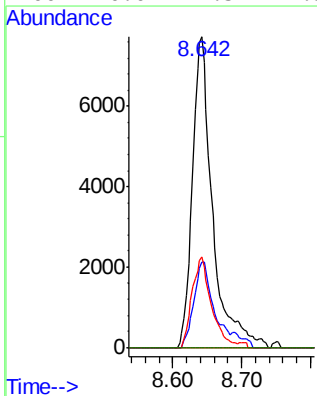
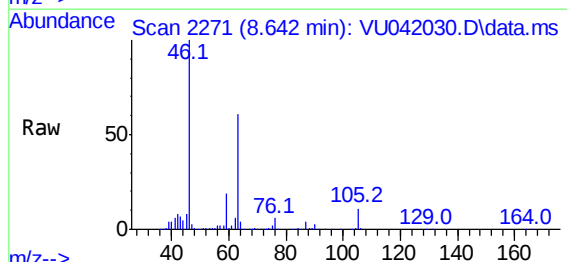
Instrument :
MSVOA_U
ClientSampled :
BFXK9

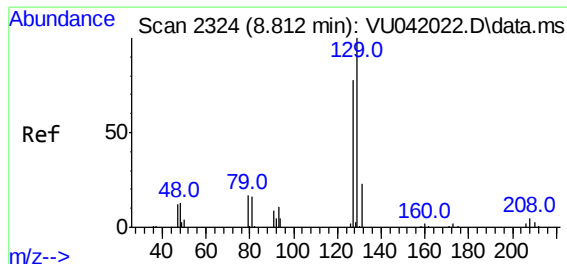
Tgt Ion:164 Resp: 132366
Ion Ratio Lower Upper
164 100
129 107.0 68.7 127.5
131 100.4 65.2 121.0
166 131.5 86.2 160.0



#48
2-Hexanone
Concen: 2.84 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 43 Resp: 15687
Ion Ratio Lower Upper
43 100
58 27.1 47.8 71.8#
57 27.9 17.4 26.0#
100 0.0 9.5 14.3#

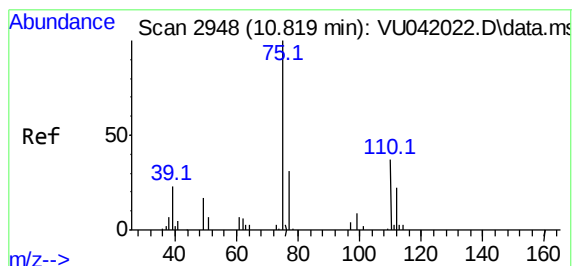
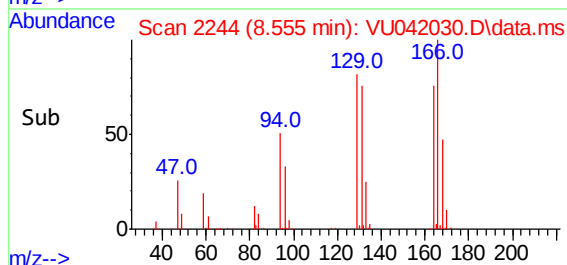
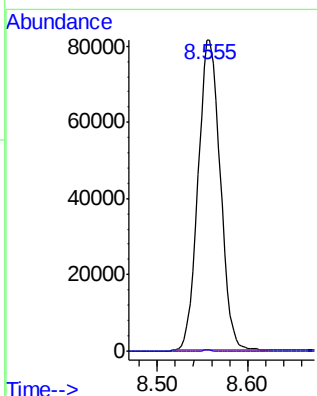
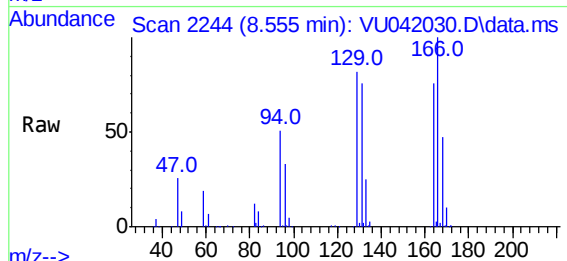




#49
Dibromochloromethane
Concen: 15.07 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Instrument :
MSVOA_U
ClientSampleId :
BFXK9

Tgt Ion:129 Resp: 137689
Ion Ratio Lower Upper
129 100
127 0.2 53.7 99.7#



#59
1,2,3-Trichloropropane
Concen: 0.73 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU042030.D
Acq: 14 Jan 2021 13:27

Tgt Ion: 75 Resp: 5700
Ion Ratio Lower Upper
75 100
77 33.9 25.6 38.4

