

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011421\
 Data File : VU042056.D
 Acq On : 15 Jan 2021 01:13
 Operator : SY/MD
 Sample : M1065-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP7

Quant Time: Jan 15 06:40:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 06:32:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	134020	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	105018	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	45672	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	34494	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.919	69	39930	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.571	63	58999	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.652	46	165358	48.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.44%
24) Chloroform-d	5.076	84	89704	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.716	65	52671	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.739	84	175276	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.700	67	61204	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.902	98	119447	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloroprop...	8.185	79	19746	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.645	63	115796	50.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.94%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	44629	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.188	152	43536	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%
Target Compounds						
2) Dichlorodifluoromethane	1.385	85	1968	0.16	ug/L #	85
3) Chloromethane	1.520	50	1997	0.13	ug/L	95
9) Trichlorofluoromethane	2.137	101	5978	0.30	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	1579	0.15	ug/L #	73
12) 1,1-Dichloroethene	2.578	96	1910	0.18	ug/L #	1
13) Acetone	2.655	43	2391	1.13	ug/L #	43
17) Methyl tert-butyl Ether	3.378	73	4067	0.15	ug/L #	90
18) trans-1,2-Dichloroethene	3.366	96	1139	0.11	ug/L	85
19) 1,1-Dichloroethane	3.880	63	2027	0.10	ug/L #	81
22) cis-1,2-Dichloroethene	4.681	96	60014	5.39	ug/L	91
25) Chloroform	5.102	83	6176	0.30	ug/L	88
27) 1,2-Dichloroethane	5.816	62	537	0.04	ug/L #	75
31) Carbon tetrachloride	5.536	117	1349	0.10	ug/L	99
34) Trichloroethene	6.552	95	564585	58.11	ug/L	99
35) Methylcyclohexane	6.700	83	13733	0.89	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	6343	0.63	ug/L #	90
39) cis-1,3-Dichloropropene	7.578	75	1233	0.08	ug/L #	63
44) trans-1,3-Dichloropropene	8.185	75	717	0.06	ug/L #	39
45) 1,1,2-Trichloroethane	8.552	97	580	0.08	ug/L #	38
47) Tetrachloroethene	8.555	164	50988	8.10	ug/L	98

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Response via : Initial Calibration

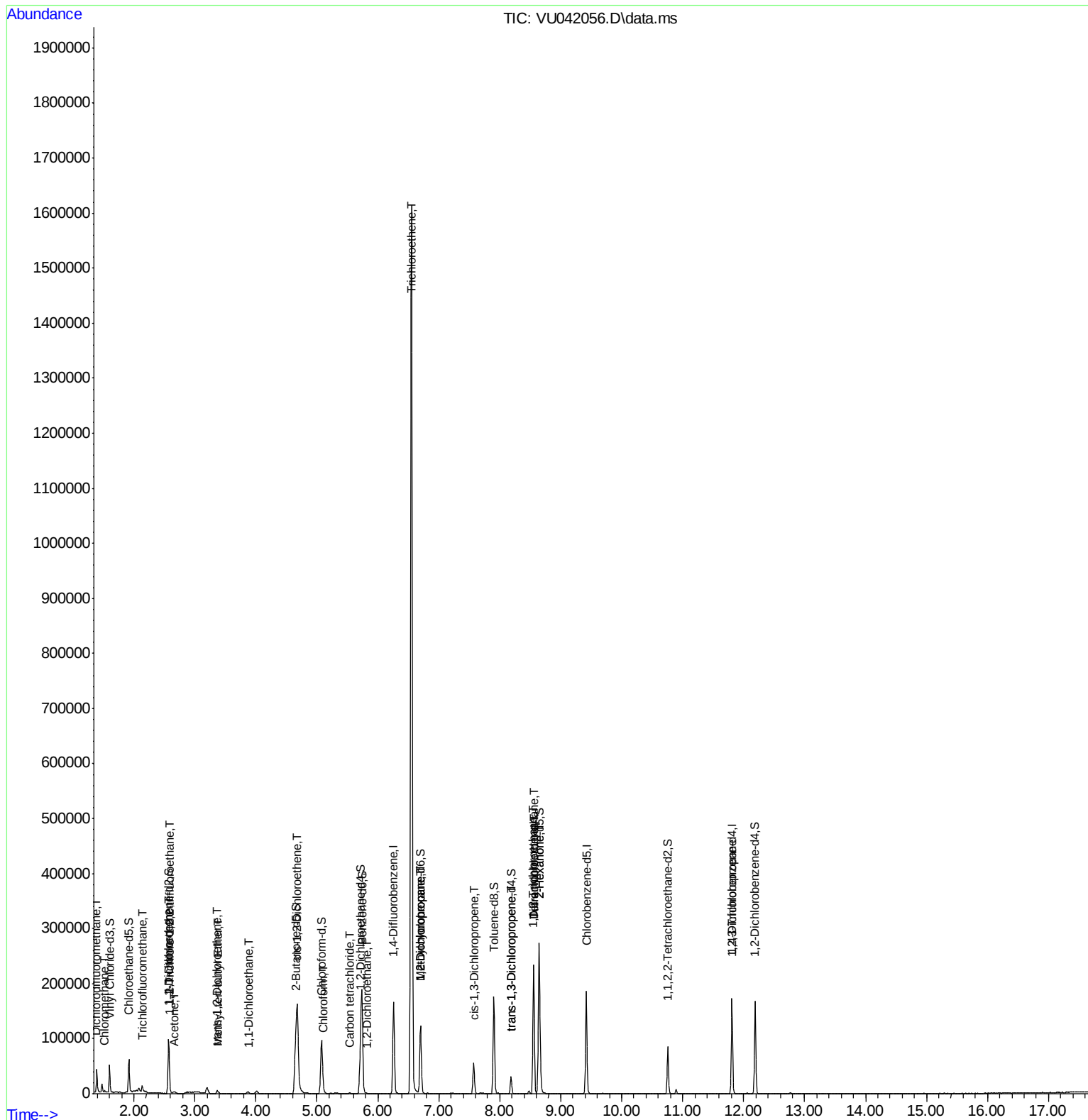
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.645	43	12914	2.74	ug/L #	71
49) Dibromochloromethane	8.555	129	51069	6.57	ug/L #	11
59) 1,2,3-Trichloropropane	11.812	75	5358	0.81	ug/L	96

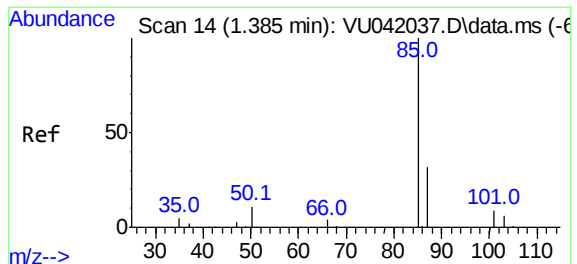
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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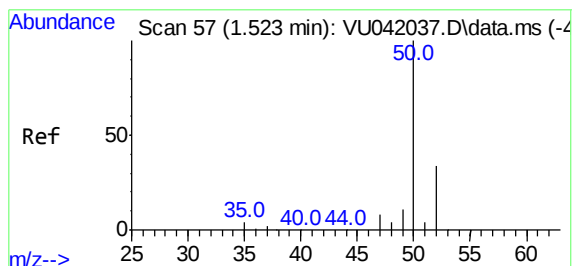
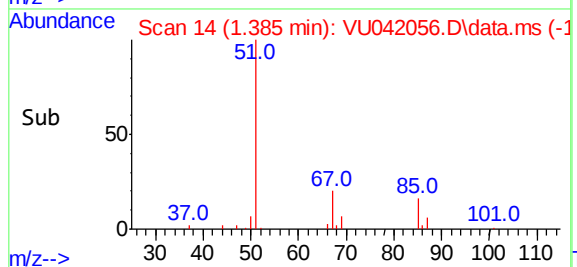
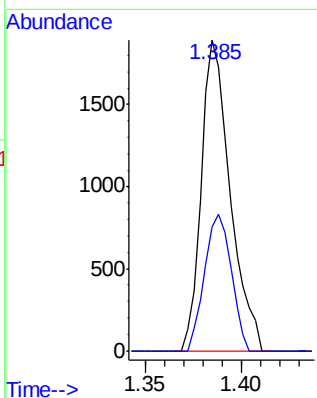
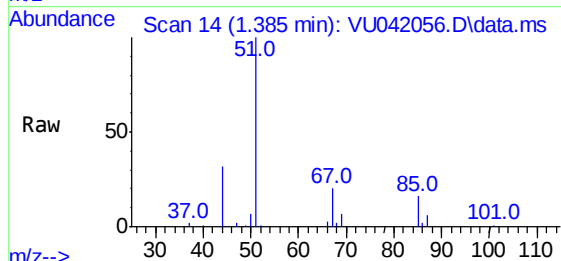




#2
Dichlorodifluoromethane
Concen: 0.16 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

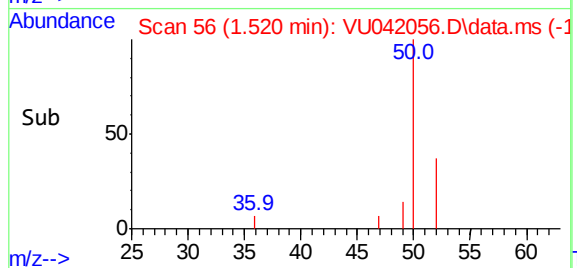
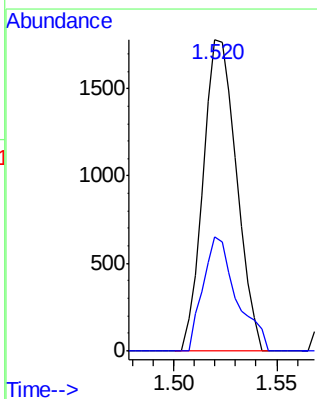
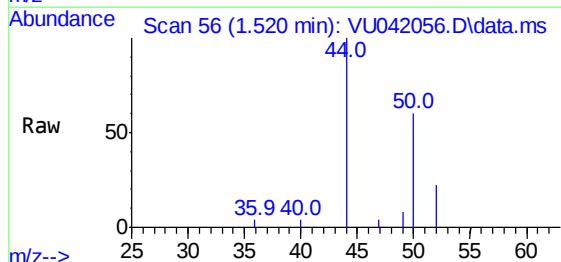
Instrument :
MSVOA_U
ClientSampleId :
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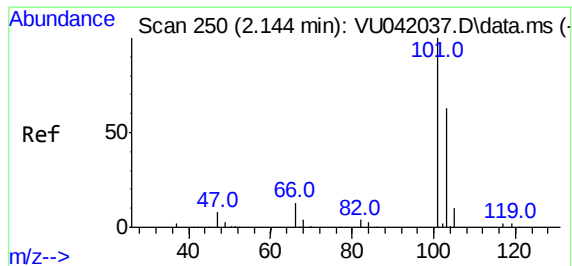
Tgt Ion: 85 Resp: 1968
Ion Ratio Lower Upper
85 100
87 40.5 25.7 38.5#



#3
Chloromethane
Concen: 0.13 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 50 Resp: 1997
Ion Ratio Lower Upper
50 100
52 36.6 23.5 43.7

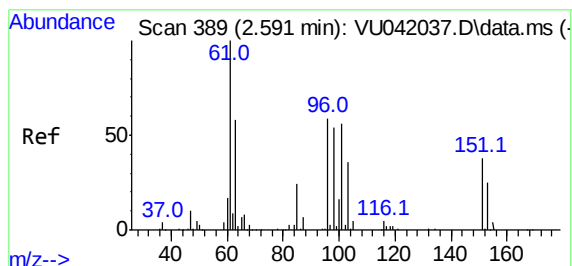
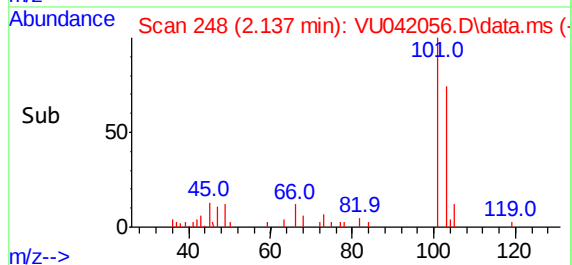
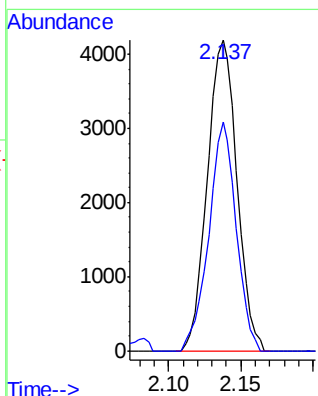
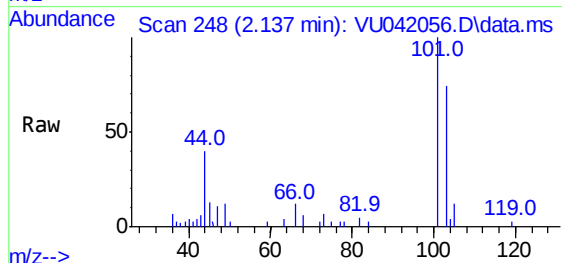




#9
 Trichlorofluoromethane
 Concen: 0.30 ug/L
 RT: 2.137 min Scan# 248
 Delta R.T. -0.006 min
 Lab File: VU042056.D
 Acq: 15 Jan 2021 01:13

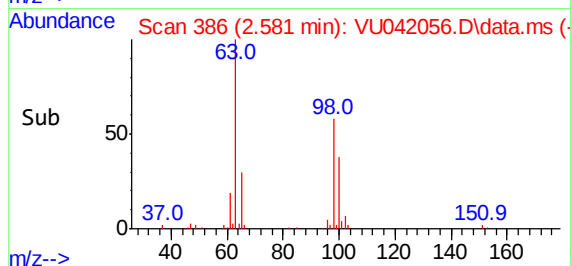
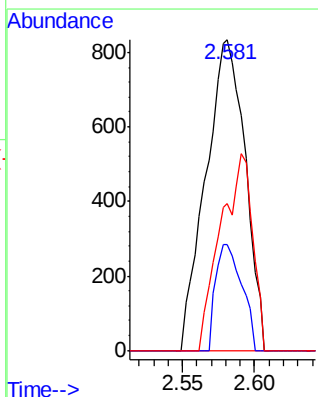
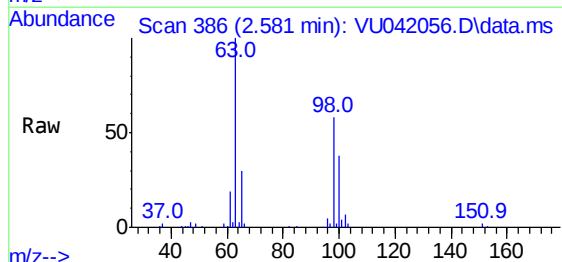
Instrument :
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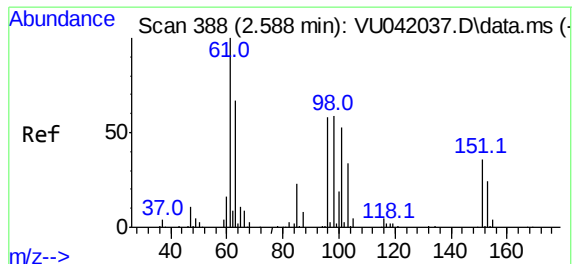
Tgt Ion:101 Resp: 5978
 Ion Ratio Lower Upper
 101 100
 103 68.0 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.15 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.010 min
 Lab File: VU042056.D
 Acq: 15 Jan 2021 01:13

Tgt Ion:101 Resp: 1579
 Ion Ratio Lower Upper
 101 100
 85 22.7 35.9 53.9#
 151 51.2 55.4 83.2#

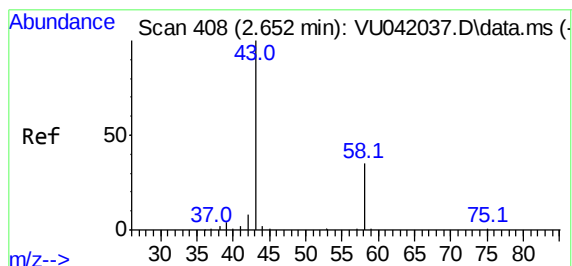
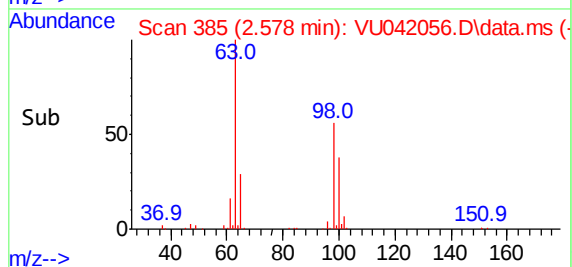
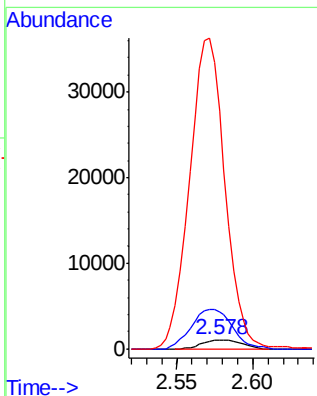
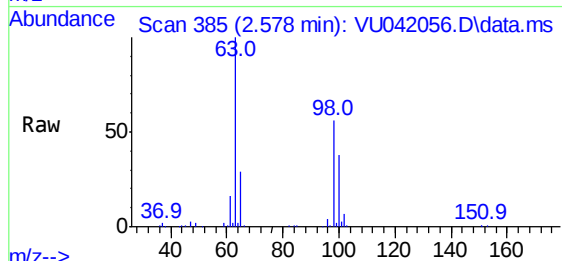




#12
1,1-Dichloroethene
Concen: 0.18 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

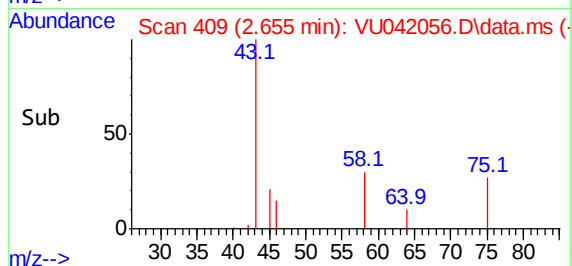
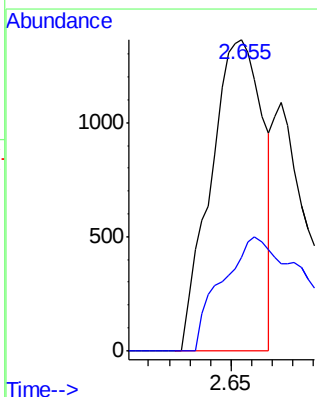
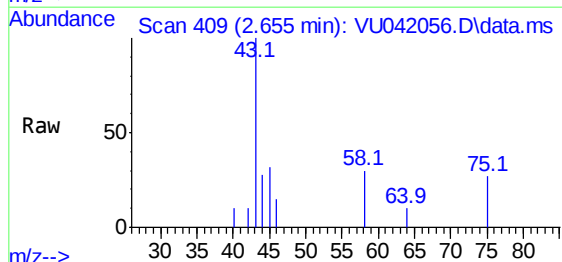
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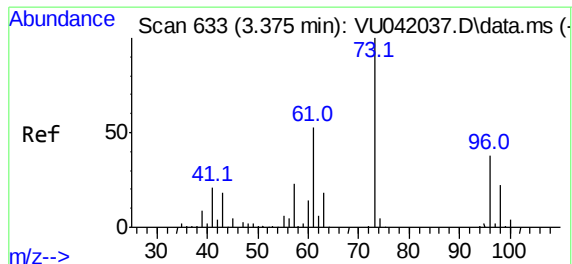
Tgt Ion: 96 Resp: 1910
Ion Ratio Lower Upper
96 100
61 404.7 122.2 226.9#
63 2574.8 82.8 153.8#



#13
Acetone
Concen: 1.13 ug/L
RT: 2.655 min Scan# 409
Delta R.T. 0.003 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 43 Resp: 2391
Ion Ratio Lower Upper
43 100
58 59.1 0.0 57.4#

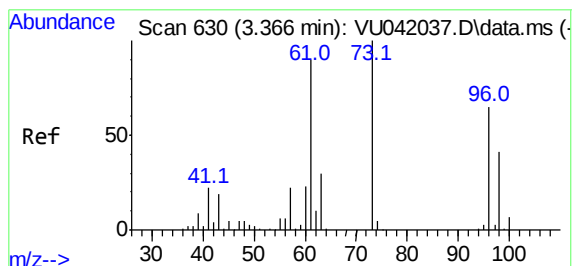
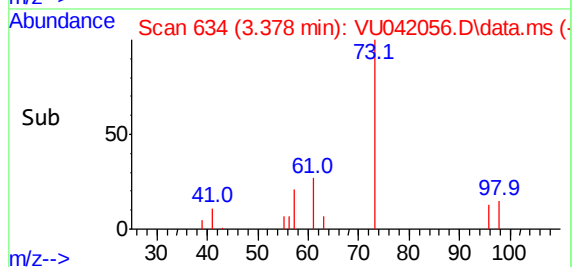
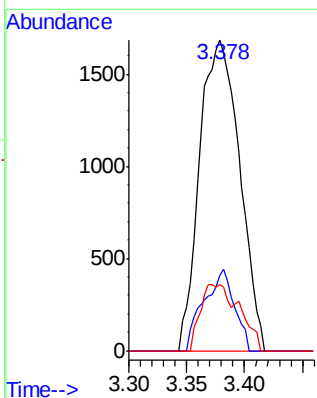
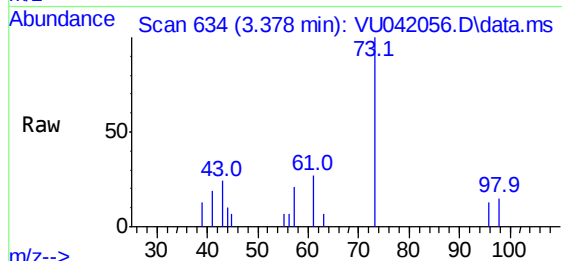




#17
Methyl tert-butyl Ether
Concen: 0.15 ug/L
RT: 3.378 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

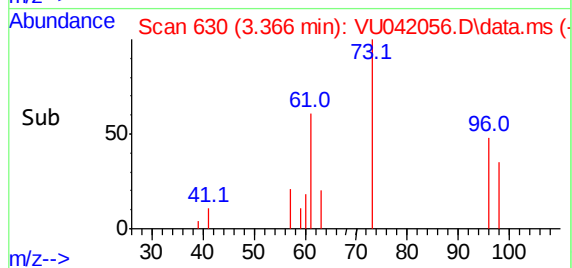
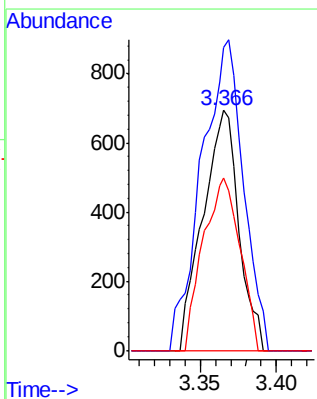
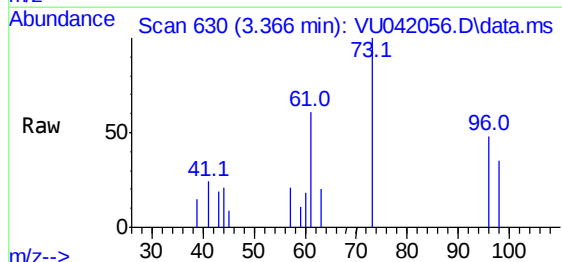
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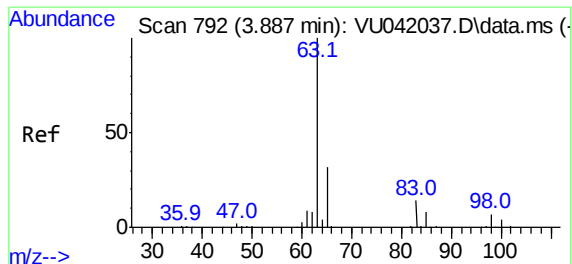
Tgt Ion: 73 Resp: 4067
Ion Ratio Lower Upper
73 100
43 19.9 15.1 22.7
57 14.7 18.0 27.0#



#18
trans-1,2-Dichloroethene
Concen: 0.11 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 96 Resp: 1139
Ion Ratio Lower Upper
96 100
61 126.4 103.2 191.6
98 72.0 43.8 81.3

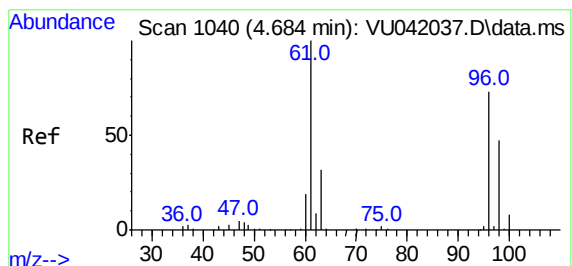
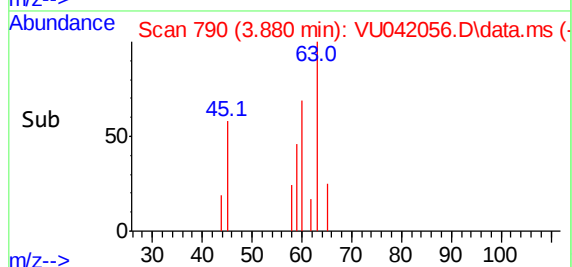
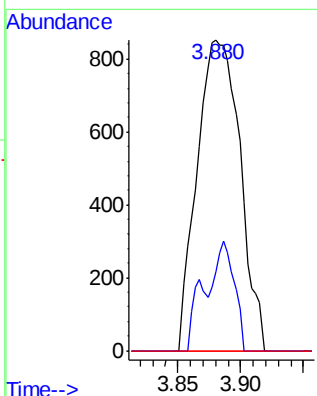
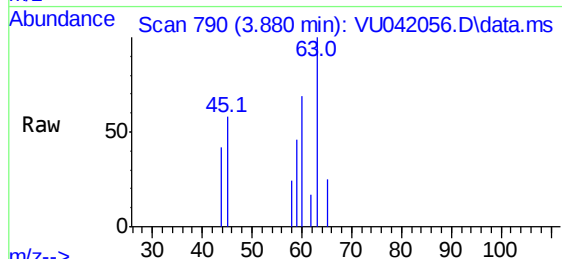




#19
1,1-Dichloroethane
Concen: 0.10 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.006 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

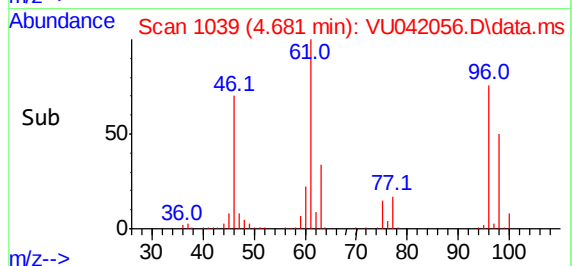
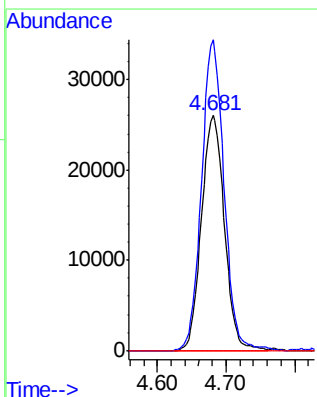
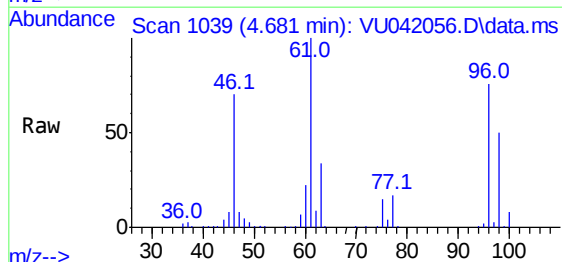
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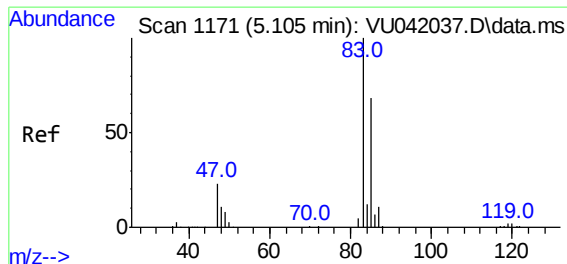
Tgt Ion: 63 Resp: 2027
Ion Ratio Lower Upper
63 100
65 25.4 22.7 42.1
83 0.0 9.4 17.6#



#22
cis-1,2-Dichloroethene
Concen: 5.39 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. -0.003 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 96 Resp: 60014
Ion Ratio Lower Upper
96 100
61 132.1 100.3 186.3
68 0.0 0.0 0.0

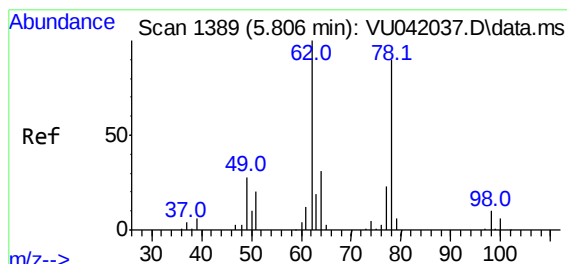
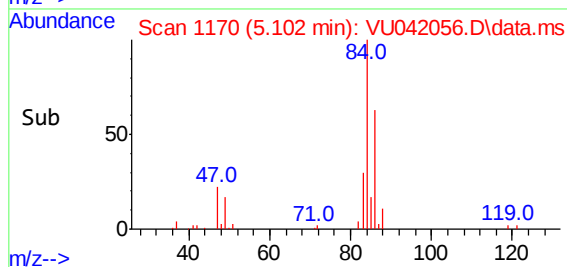
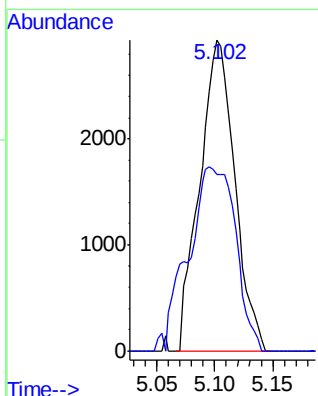
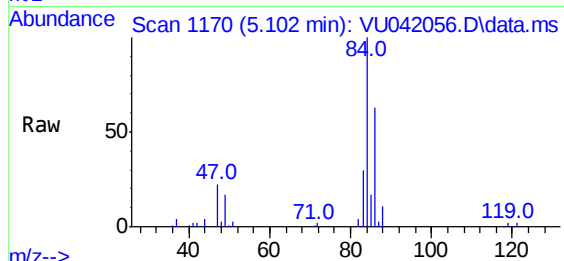




#25
Chloroform
Concen: 0.30 ug/L
RT: 5.102 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

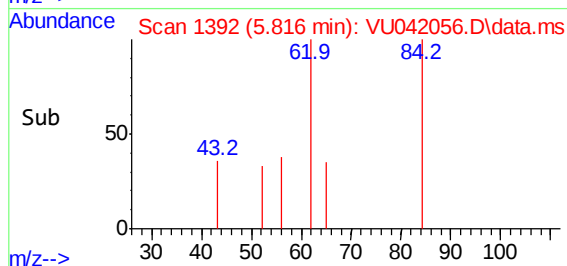
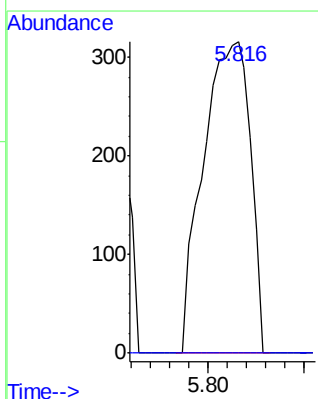
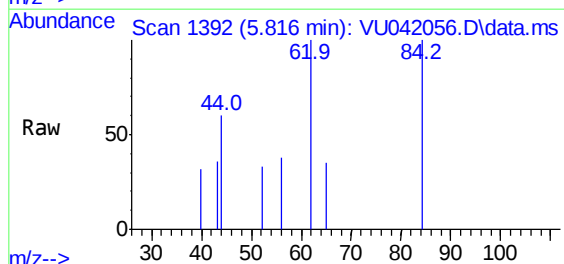
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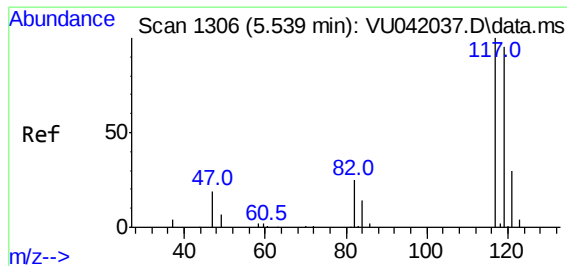
Tgt Ion: 83 Resp: 6176
Ion Ratio Lower Upper
83 100
85 56.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.04 ug/L
RT: 5.816 min Scan# 1392
Delta R.T. 0.010 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 62 Resp: 537
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#

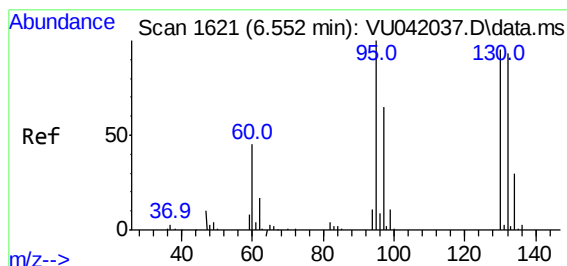
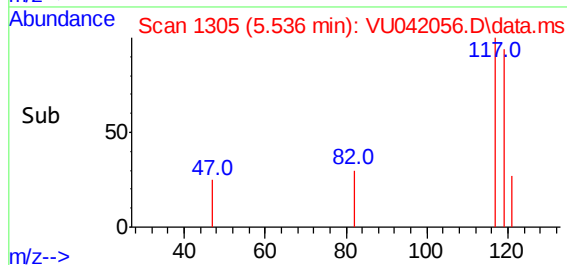
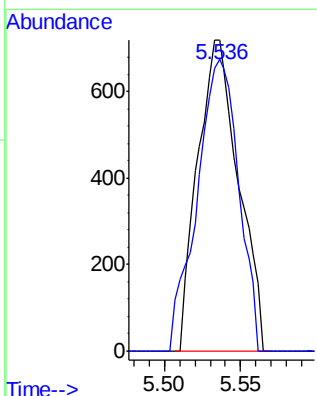
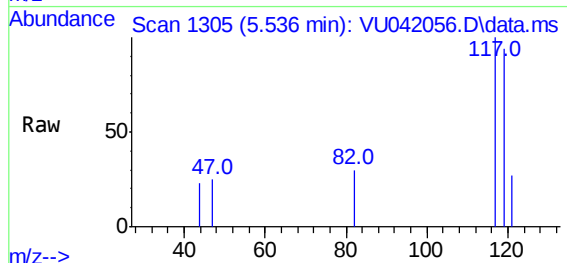




#31
Carbon tetrachloride
Concen: 0.10 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. -0.003 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

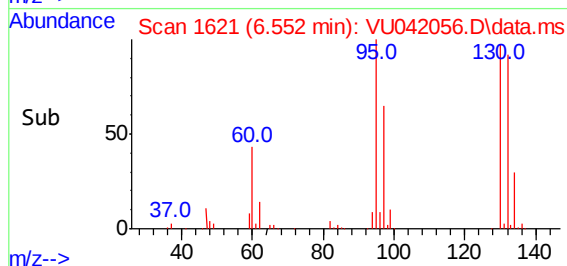
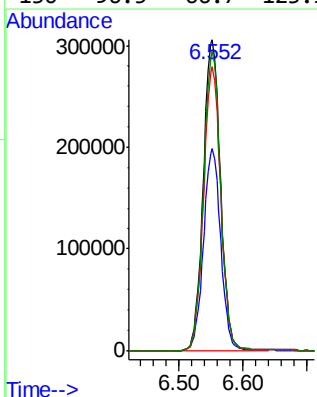
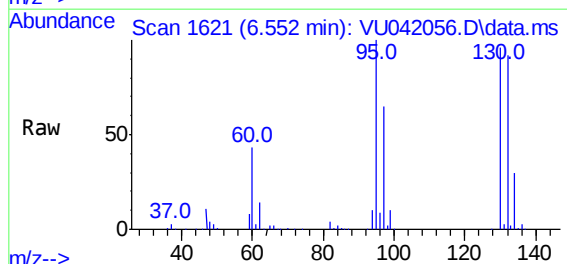
Instrument :
MSVOA_U
ClientSampleId :
BFXP7

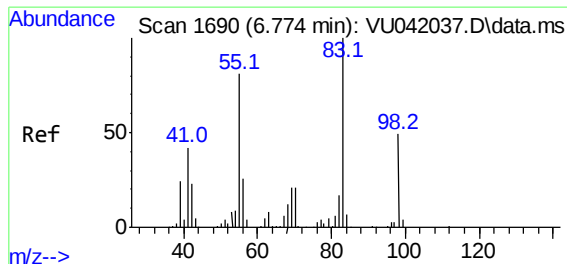
Tgt Ion:117 Resp: 1349
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8



#34
Trichloroethene
Concen: 58.11 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 95 Resp: 564585
Ion Ratio Lower Upper
95 100
97 64.8 43.6 81.0
132 91.5 64.3 119.3
130 96.5 66.7 123.9

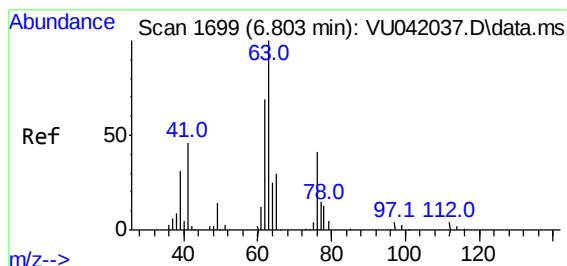
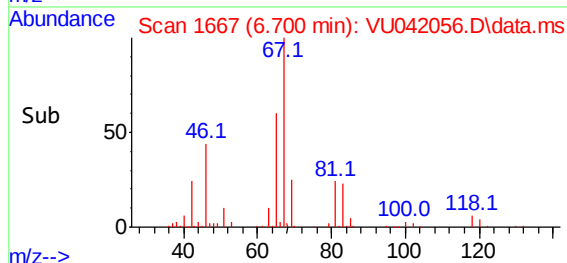
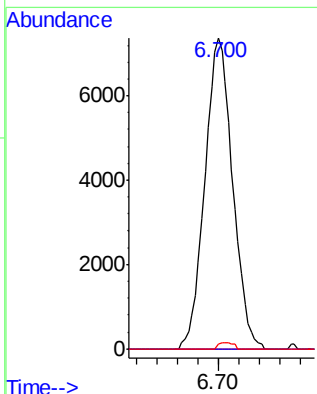
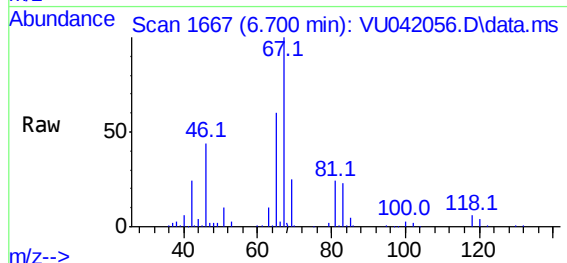




#35
Methylcyclohexane
Concen: 0.89 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

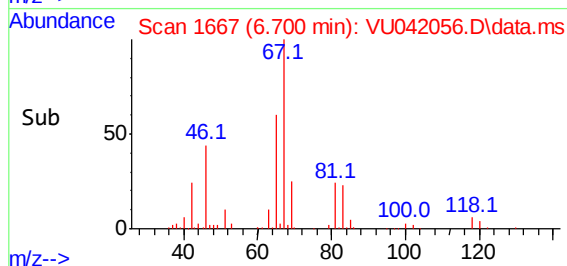
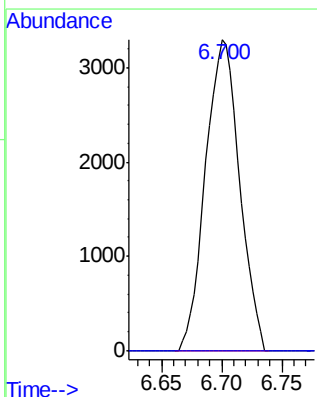
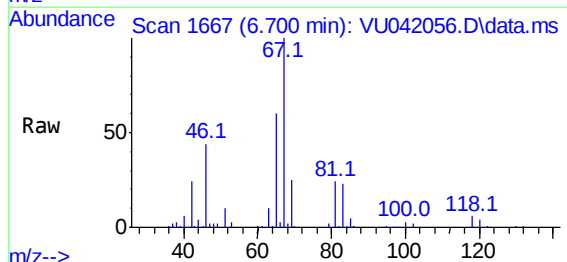
Instrument :
MSVOA_U
ClientSampleId :
BFXP7

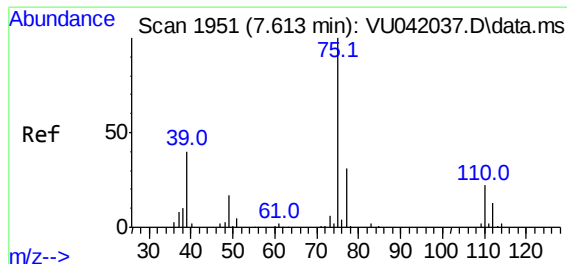
Tgt Ion: 83 Resp: 13733
Ion Ratio Lower Upper
83 100
55 0.0 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.63 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.103 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 63 Resp: 6343
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

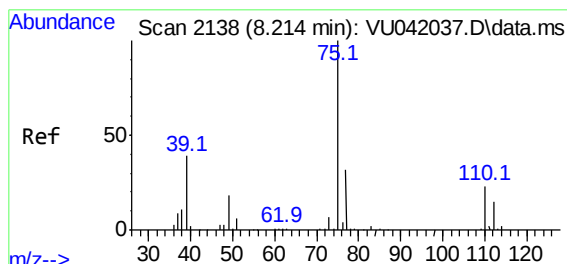
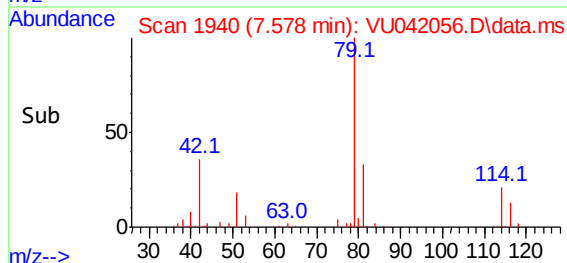
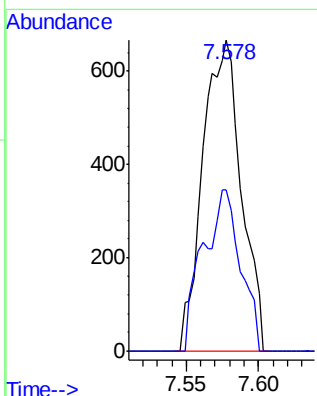
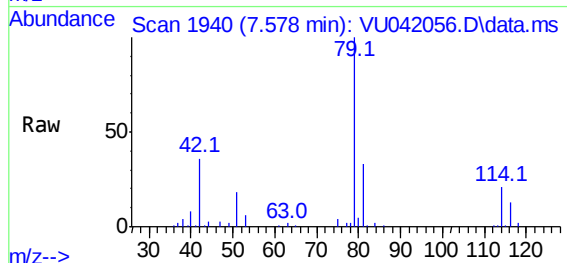




#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.035 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

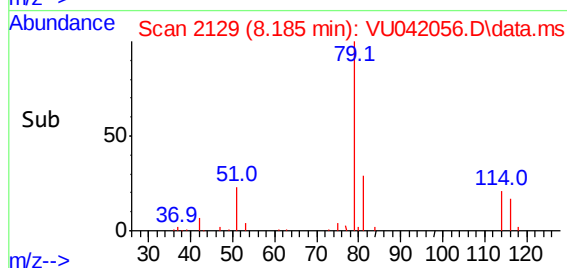
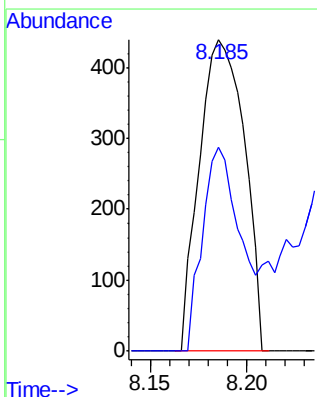
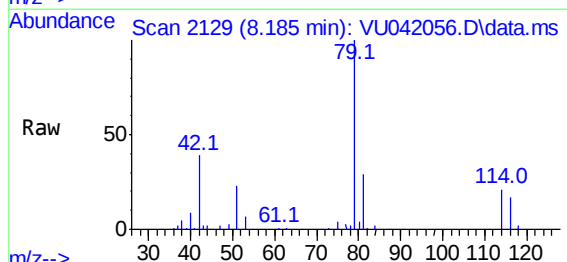
Instrument :
MSVOA_U
ClientSampled :
BFXP7

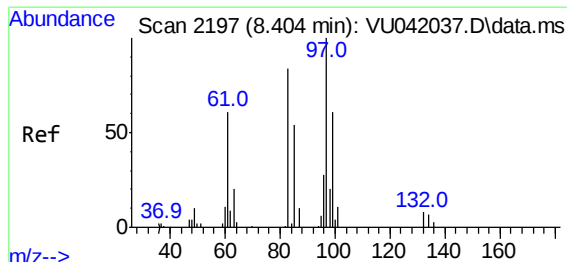
Tgt Ion: 75 Resp: 1233
Ion Ratio Lower Upper
75 100
77 51.9 21.9 40.7#



#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 75 Resp: 717
Ion Ratio Lower Upper
75 100
77 65.5 22.0 41.0#



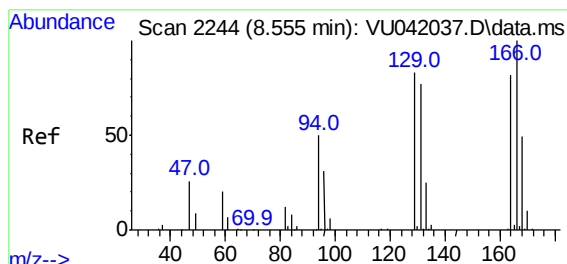
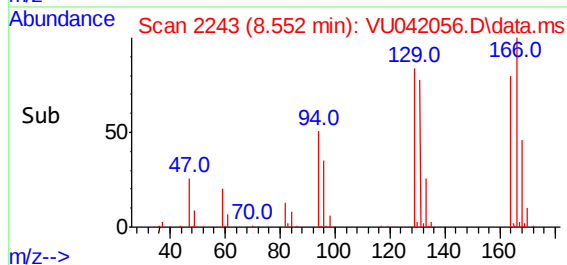
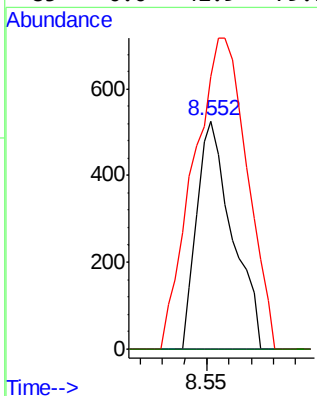
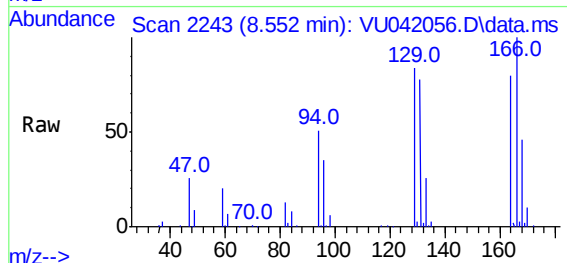


#45
1,1,2-Trichloroethane
Concen: 0.08 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.148 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Instrument :
MSVOA_U
ClientSampled :
BFXP7

Tgt Ion: 97 Resp: 580

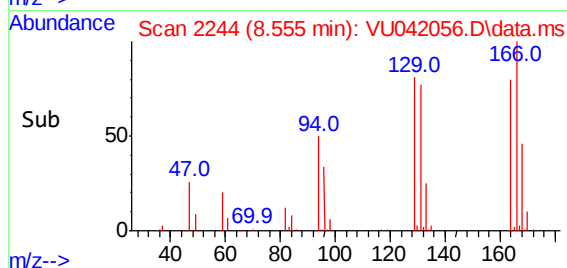
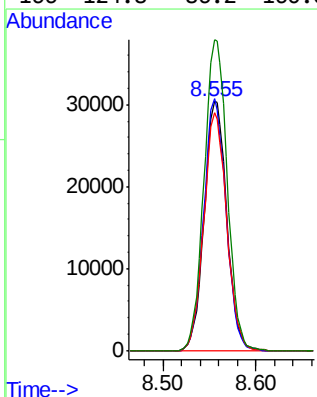
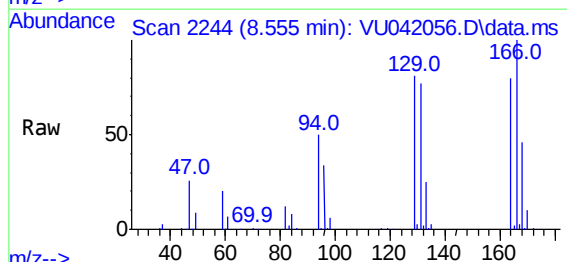
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.7	83.1#
83	119.8	61.6	114.4#
85	0.0	42.9	79.7#

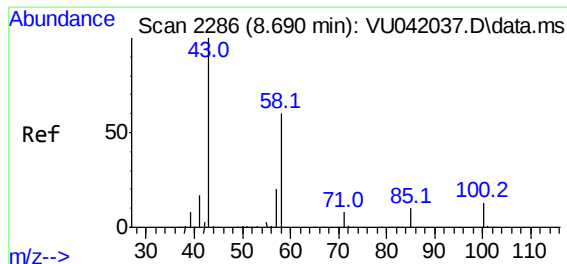


#47
Tetrachloroethene
Concen: 8.10 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

Tgt Ion: 164 Resp: 50988

Ion	Ratio	Lower	Upper
164	100		
129	101.3	68.7	127.5
131	95.5	65.2	121.0
166	124.8	86.2	160.0

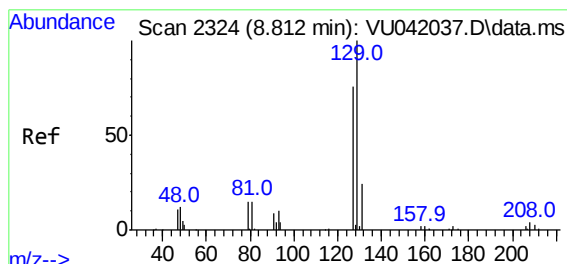
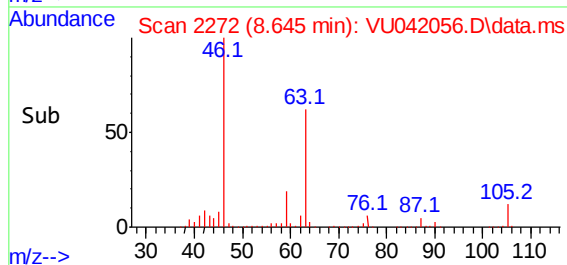
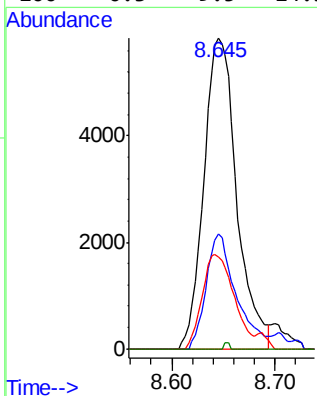
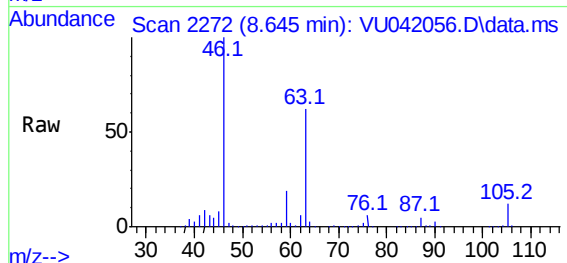




#48
2-Hexanone
Concen: 2.74 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.045 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

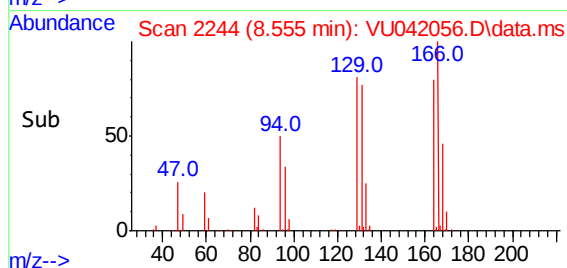
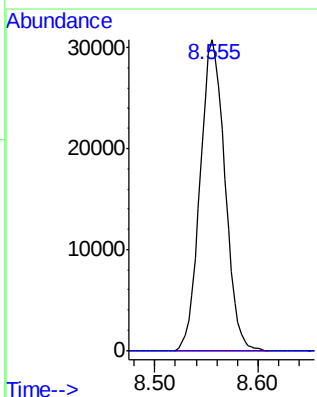
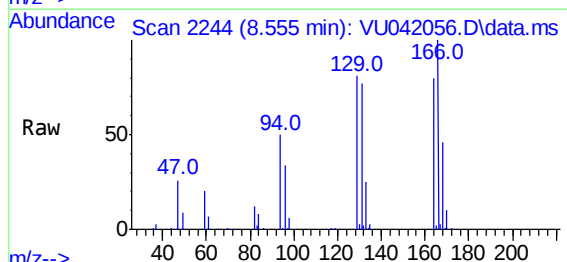
Instrument :
MSVOA_U
ClientSampleId :
BFXP7

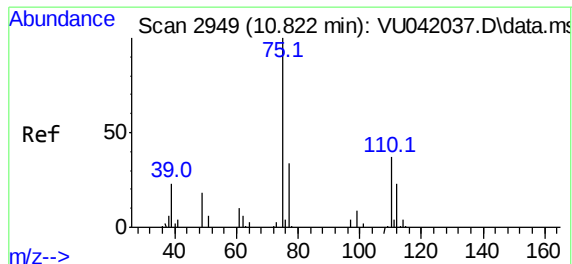
Tgt Ion: 43 Resp: 12914
Ion Ratio Lower Upper
43 100
58 33.9 47.8 71.8#
57 29.4 17.4 26.0#
100 0.3 9.5 14.3#



#49
Dibromochloromethane
Concen: 6.57 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU042056.D
Acq: 15 Jan 2021 01:13

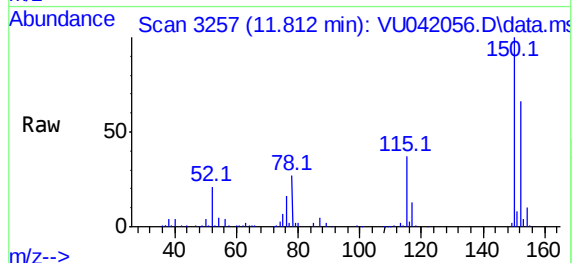
Tgt Ion: 129 Resp: 51069
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#





#59
 1,2,3-Trichloropropane
 Concen: 0.81 ug/L
 RT: 11.812 min Scan# 3257
 Delta R.T. 0.990 min
 Lab File: VU042056.D
 Acq: 15 Jan 2021 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP7



Tgt Ion: 75 Resp: 5358
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.6 38.4

