

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011521\
 Data File : VU042076.D
 Acq On : 15 Jan 2021 16:49
 Operator : SY/MD
 Sample : M1065-09DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 BFXN9DL

Quant Time: Jan 16 01:12:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 16 01:05:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	117256	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	113971	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	52884	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	35537	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.919	69	42380	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.575	63	53619	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.652	46	174815	58.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.74%
24) Chloroform-d	5.080	84	93327	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.713	65	52375	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.742	84	166571	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.703	67	52439	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.906	98	133523	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloroprop...	8.186	79	21099	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.642	63	120681	48.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.94%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	48205	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.189	152	53875	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	2164	0.12	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	598	0.06	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	620	0.07	ug/L #	1
16) Methylene chloride	3.054	84	1911	0.18	ug/L	81
17) Methyl tert-butyl Ether	3.385	73	1634	0.07	ug/L #	58
22) cis-1,2-Dichloroethene	4.687	96	2389	0.25	ug/L	80
27) 1,2-Dichloroethane	5.742	62	899	0.08	ug/L #	75
34) Trichloroethene	6.552	95	56561	5.36	ug/L	98
35) Methylcyclohexane	6.700	83	11947	0.71	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	6152	0.56	ug/L #	90
39) cis-1,3-Dichloropropene	7.575	75	1242	0.08	ug/L #	63
44) trans-1,3-Dichloropropene	8.186	75	725	0.05	ug/L #	53
47) Tetrachloroethene	8.559	164	7658	1.12	ug/L	91
49) Dibromochloromethane	8.559	129	7821	0.93	ug/L #	11
59) 1,2,3-Trichloropropane	11.809	75	6227	0.86	ug/L	95
63) 1,4-Dichlorobenzene	11.832	146	869	0.05	ug/L	85
66) 1,2-Dibromo-3-chloropr...	13.208	75	142	0.09	ug/L #	8
67) 1,3,5-Trichlorobenzene	13.211	180	771	0.06	ug/L #	78
68) 1,2,4-trichlorobenzene	13.828	180	791	0.08	ug/L #	91
69) Naphthalene	14.082	128	1719	0.10	ug/L #	88

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QLast Update : Sat Jan 16 01:05:16 2021
Response via : Initial Calibration

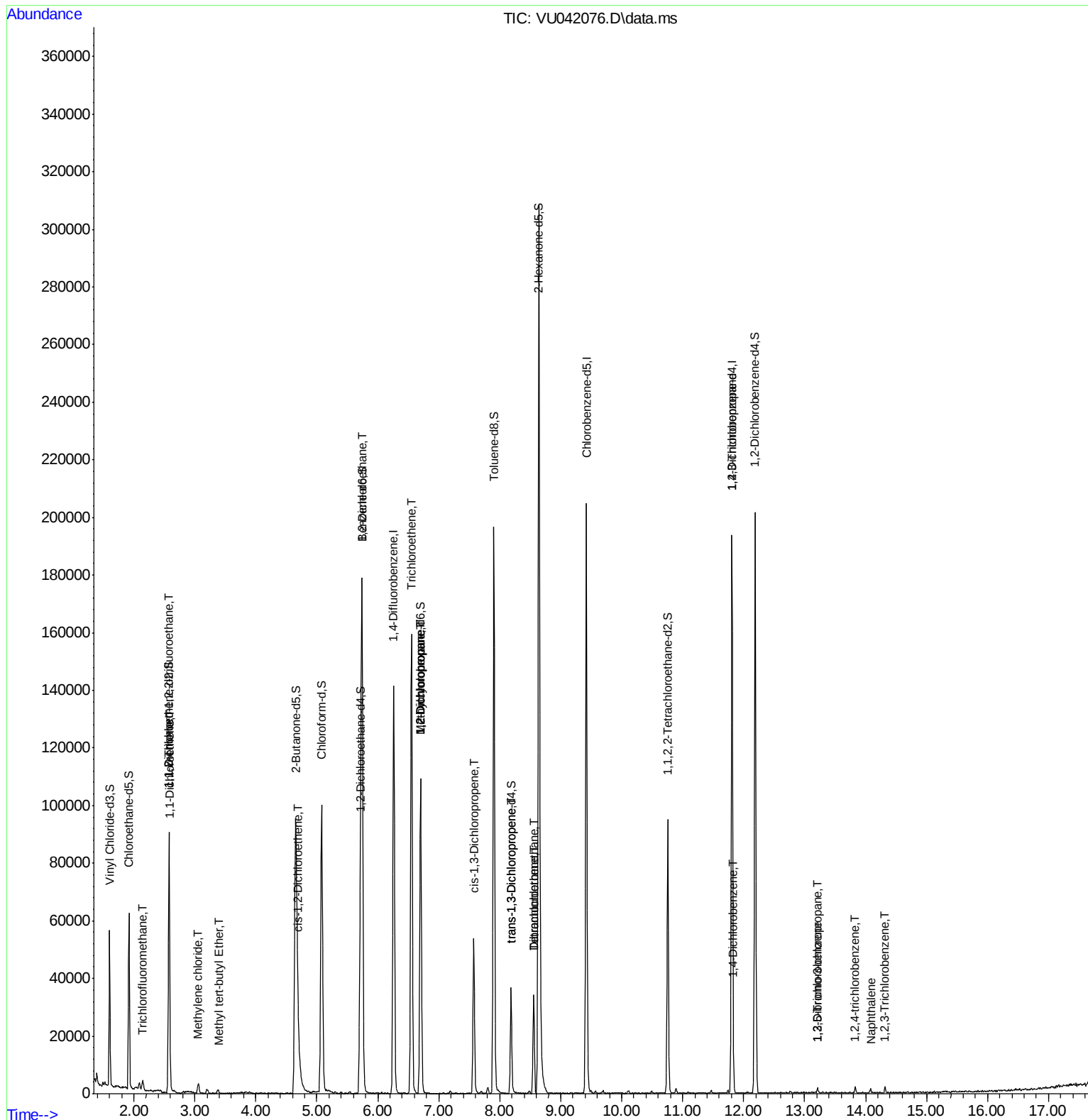
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	14.320	180	806	0.09 ug/L	#	87

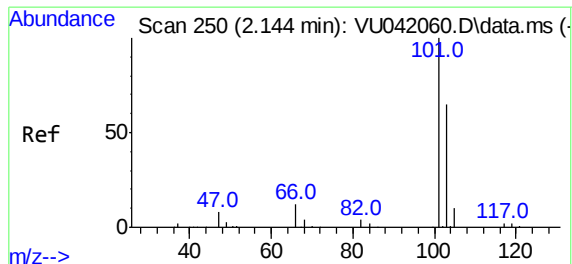
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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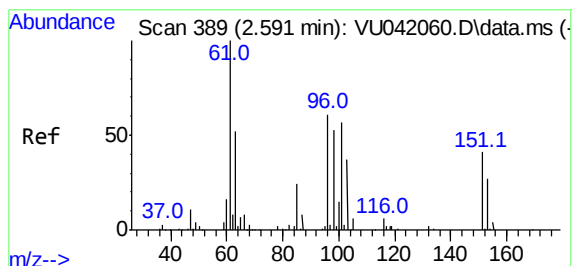
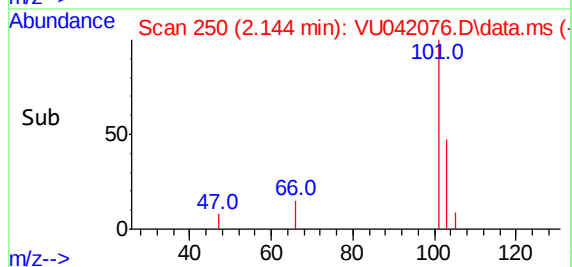
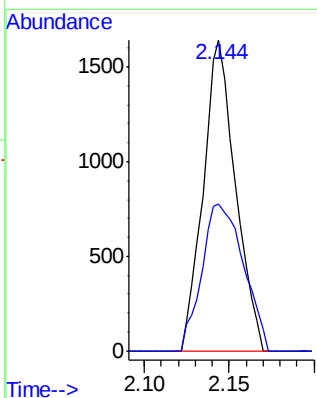
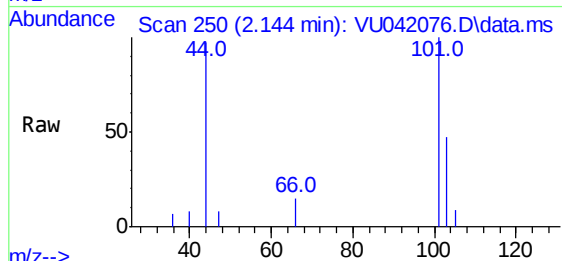




#9
Trichlorofluoromethane
Concen: 0.12 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

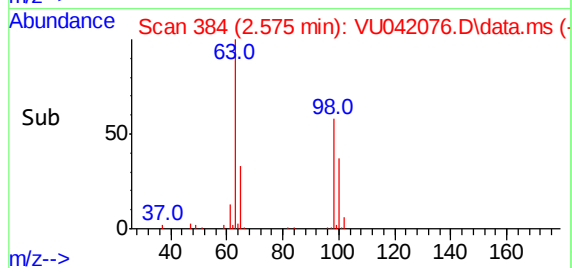
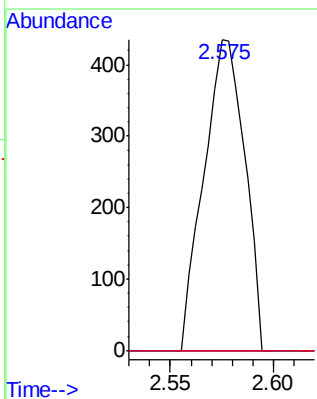
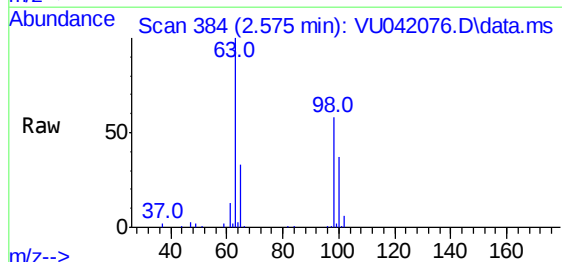
Instrument :
MSVOA_U
ClientSampleId :
BFXN9DL

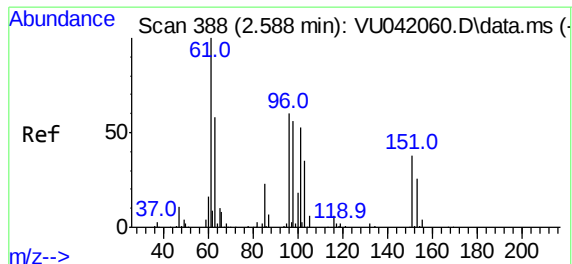
Tgt Ion:101 Resp: 2164
Ion Ratio Lower Upper
101 100
103 61.3 51.6 77.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.016 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion:101 Resp: 598
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 0.0 55.4 83.2#

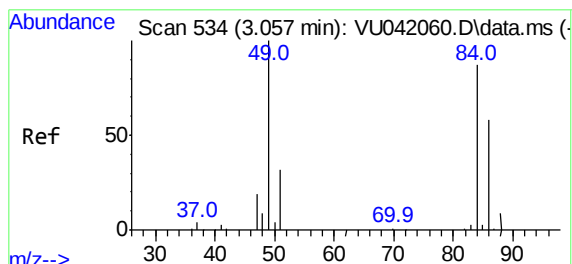
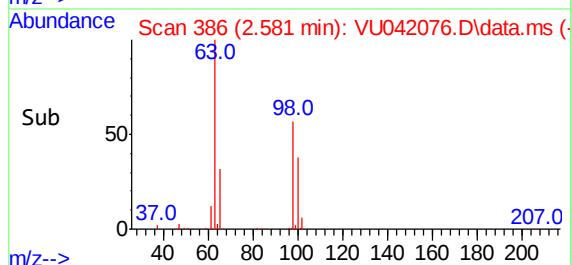
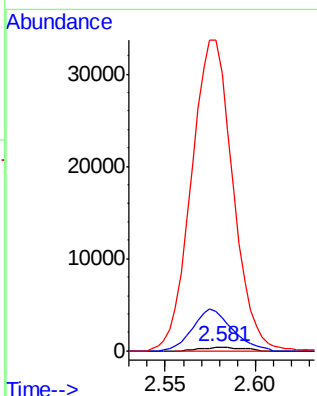
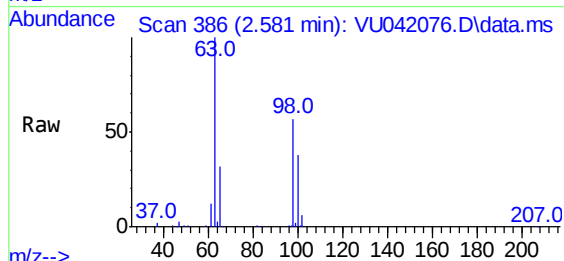




#12
1,1-Dichloroethene
Concen: 0.07 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

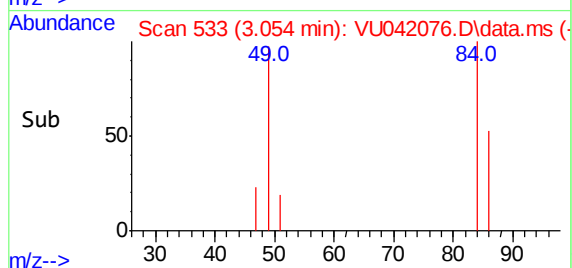
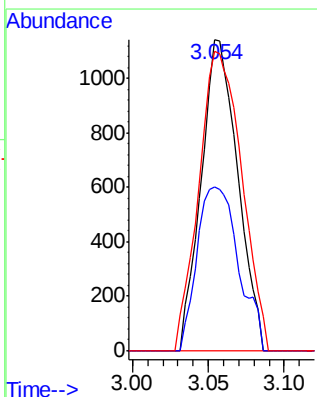
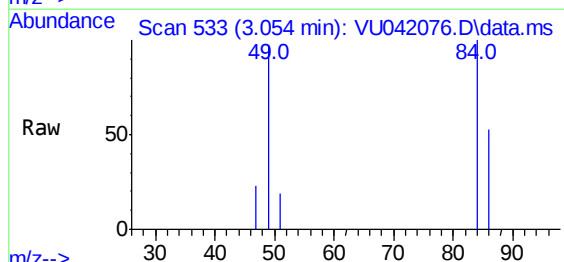
Instrument :
MSVOA_U
ClientSampleId :
BFXN9DL

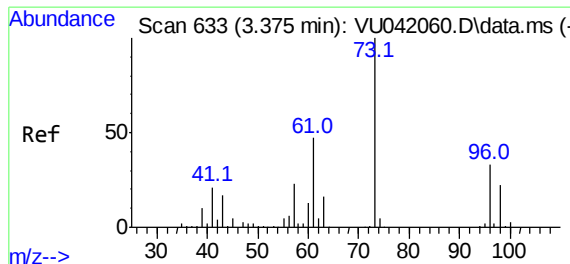
Tgt Ion: 96 Resp: 620
Ion Ratio Lower Upper
96 100
61 873.9 122.2 226.9#
63 7271.5 82.8 153.8#



#16
Methylene chloride
Concen: 0.18 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.003 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion: 84 Resp: 1911
Ion Ratio Lower Upper
84 100
86 52.6 42.6 79.0
49 96.5 86.2 160.0

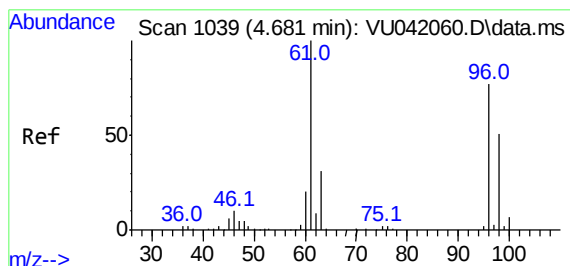
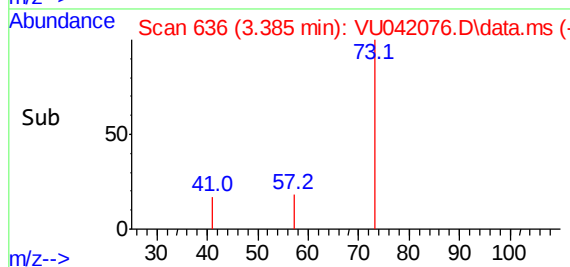
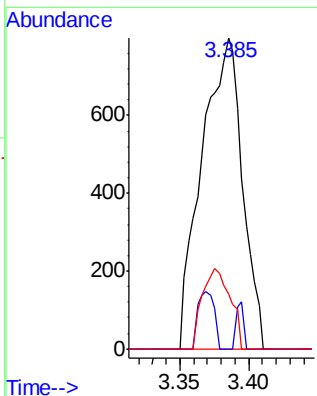
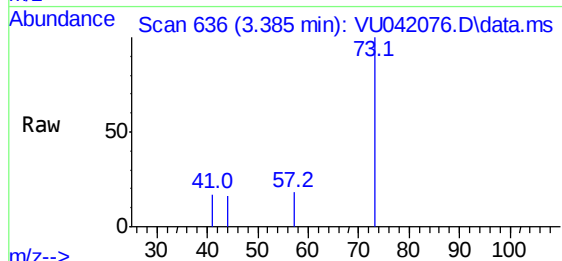




#17
Methyl tert-butyl Ether
Concen: 0.07 ug/L
RT: 3.385 min Scan# 636
Delta R.T. 0.010 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

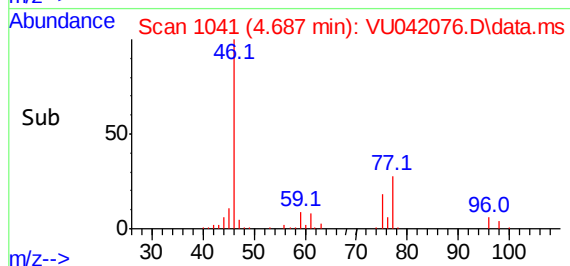
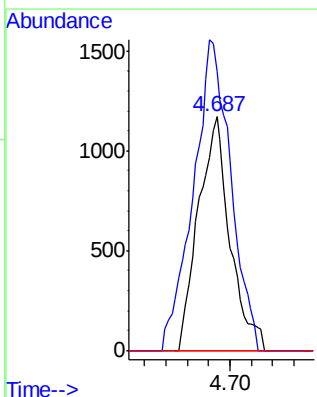
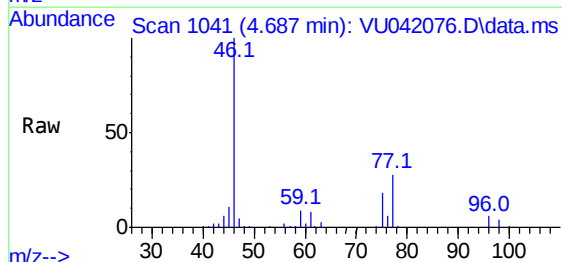
Instrument :
MSVOA_U
ClientSampleId :
BFXN9DL

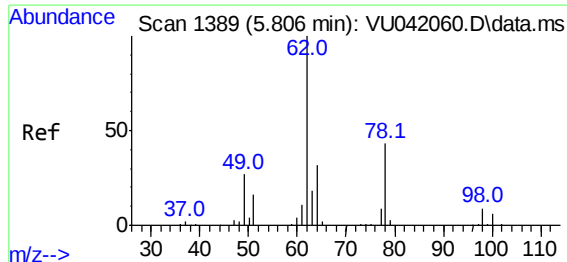
Tgt Ion: 73 Resp: 1634
Ion Ratio Lower Upper
73 100
43 2.7 15.1 22.7#
57 0.0 18.0 27.0#



#22
cis-1,2-Dichloroethene
Concen: 0.25 ug/L
RT: 4.687 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion: 96 Resp: 2389
Ion Ratio Lower Upper
96 100
61 118.9 100.3 186.3
68 0.0 0.0 0.0

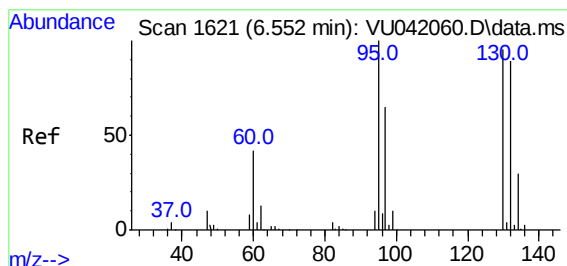
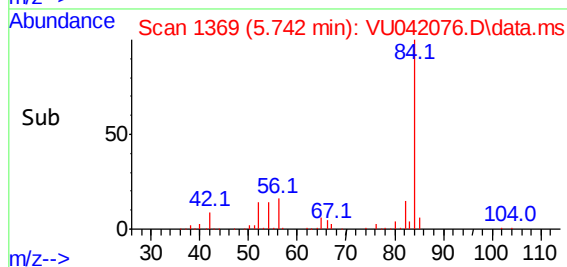
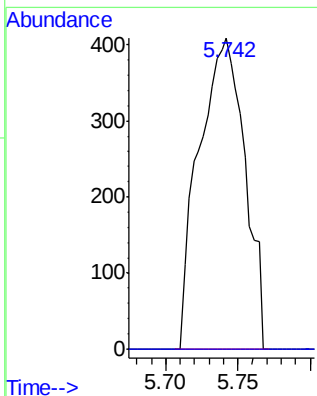
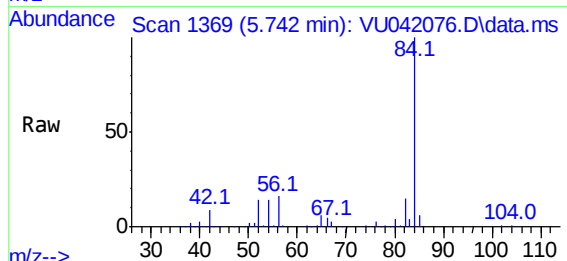




#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.742 min Scan# 1369
Delta R.T. -0.064 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

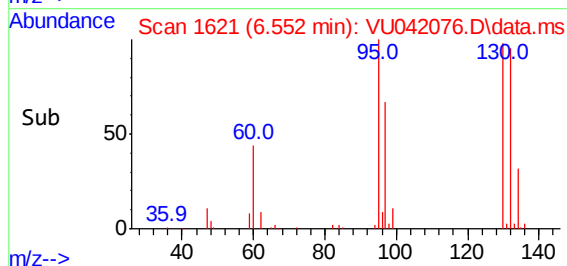
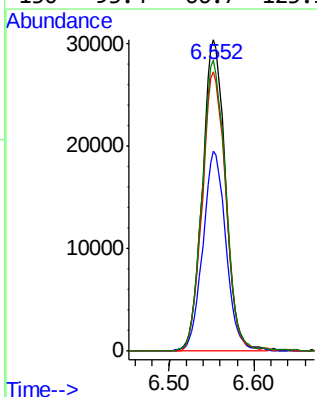
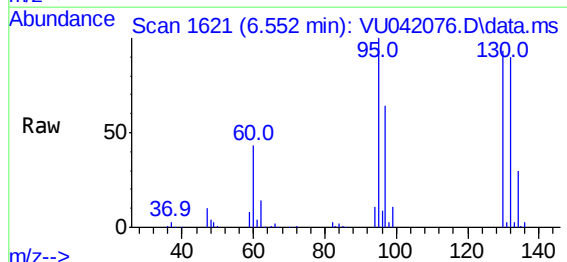
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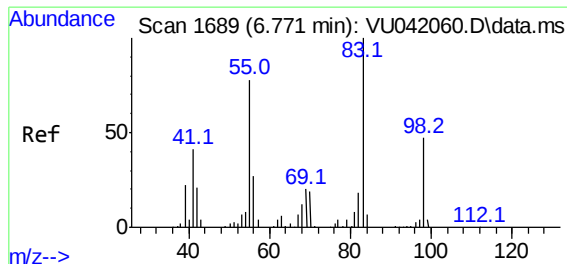
Tgt Ion: 62 Resp: 899
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#



#34
Trichloroethene
Concen: 5.36 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion: 95 Resp: 56561
Ion Ratio Lower Upper
95 100
97 64.0 43.6 81.0
132 89.9 64.3 119.3
130 93.4 66.7 123.9

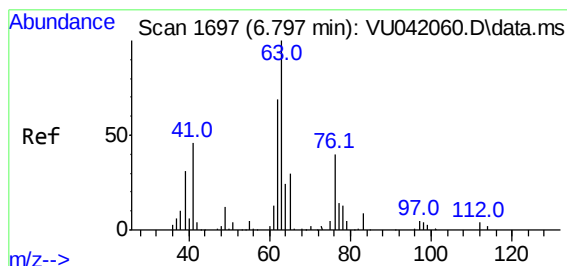
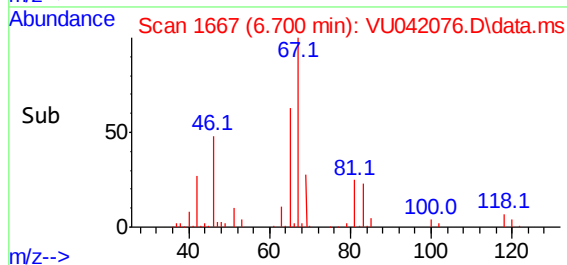
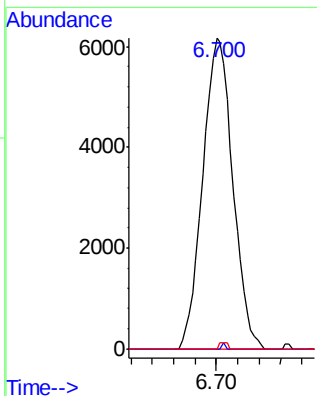
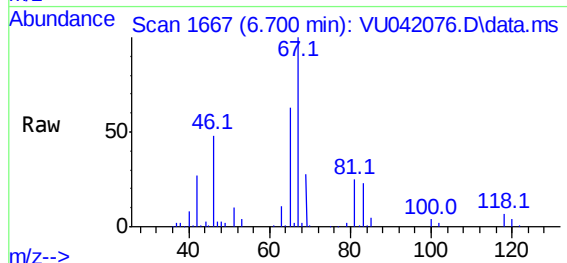




#35
Methylcyclohexane
Concen: 0.71 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

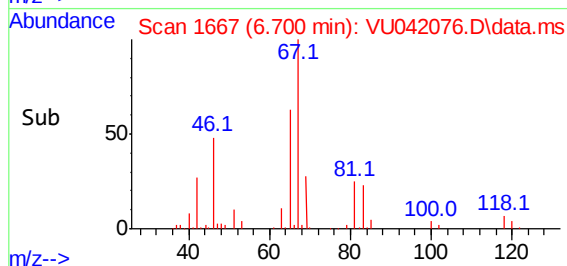
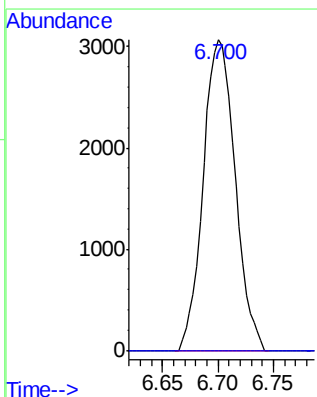
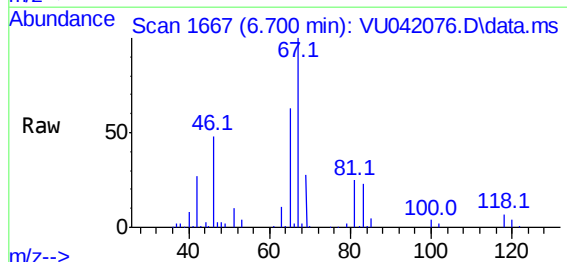
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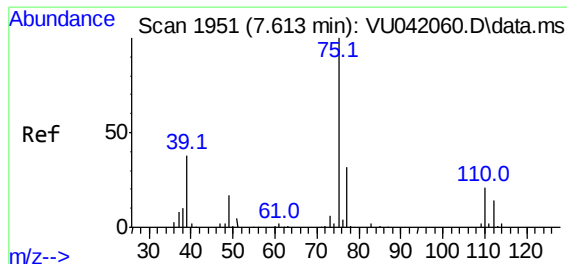
Tgt Ion: 83 Resp: 11947
Ion Ratio Lower Upper
83 100
55 0.2 66.8 100.2#
98 0.6 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.56 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.096 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion: 63 Resp: 6152
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

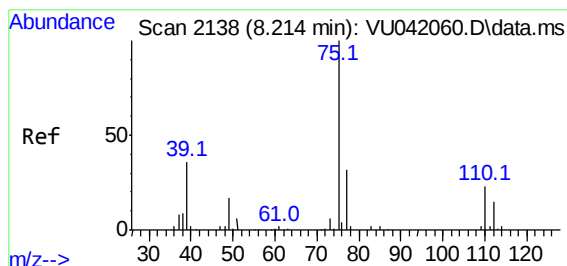
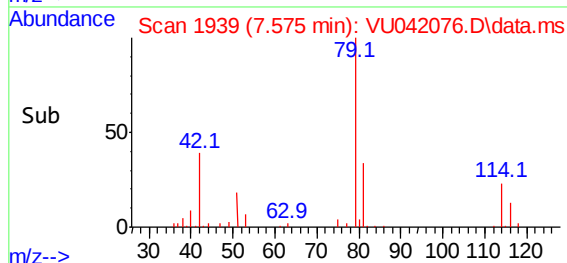
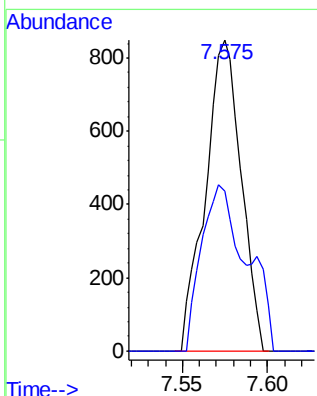
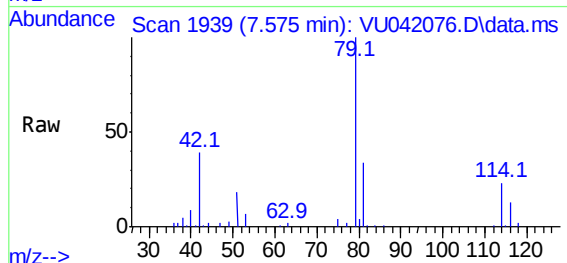




#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

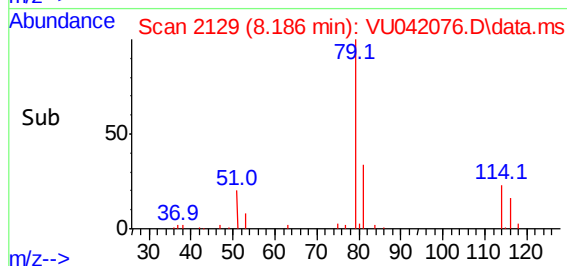
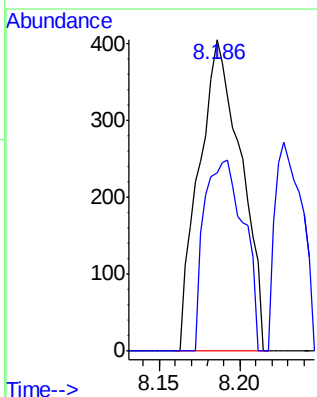
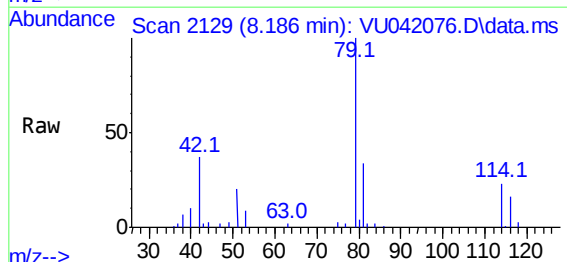
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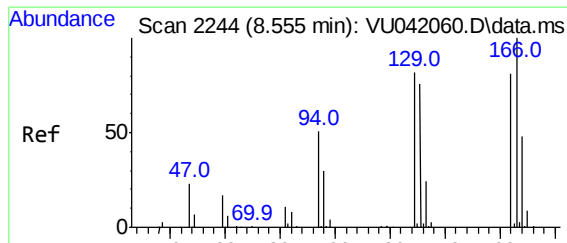
Tgt Ion: 75 Resp: 1242
Ion Ratio Lower Upper
75 100
77 51.6 21.9 40.7#



#44
trans-1,3-Dichloropropene
Concen: 0.05 ug/L
RT: 8.186 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion: 75 Resp: 725
Ion Ratio Lower Upper
75 100
77 57.3 22.0 41.0#

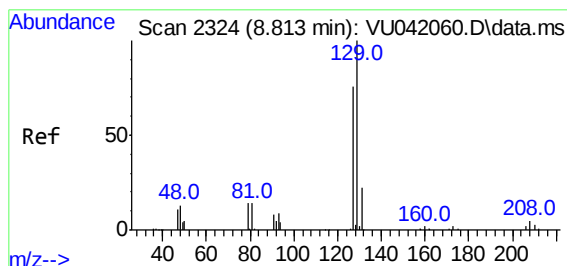
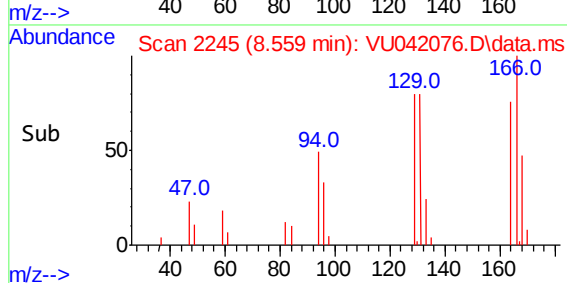
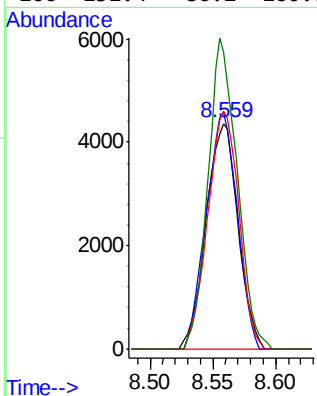
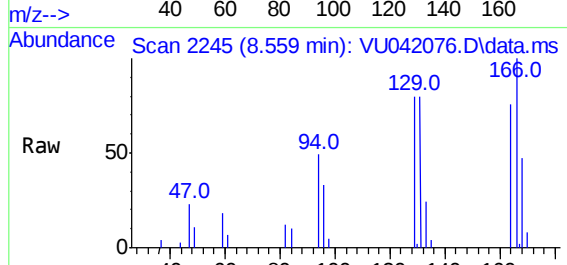




#47
Tetrachloroethene
Concen: 1.12 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

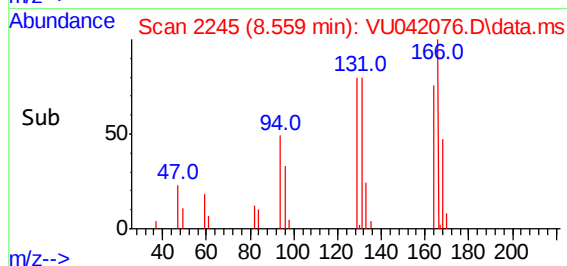
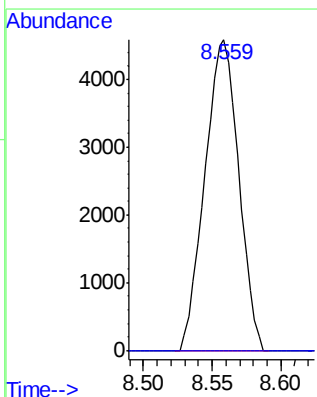
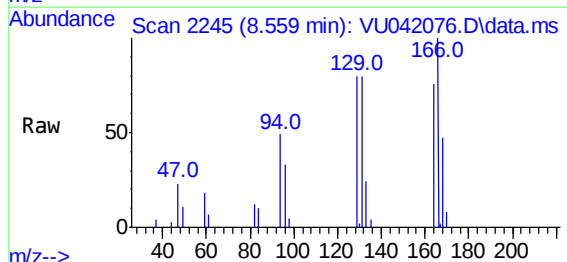
Instrument :
MSVOA_U
ClientSampleID :
BFXN9DL

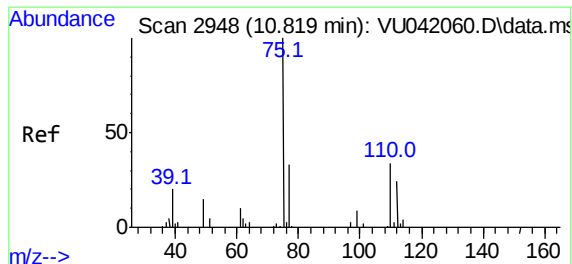
Tgt Ion:164 Resp: 7658
Ion Ratio Lower Upper
164 100
129 105.1 68.7 127.5
131 105.6 65.2 121.0
166 131.4 86.2 160.0



#49
Dibromochloromethane
Concen: 0.93 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion:129 Resp: 7821
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#

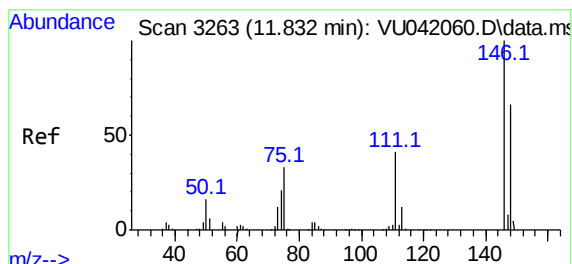
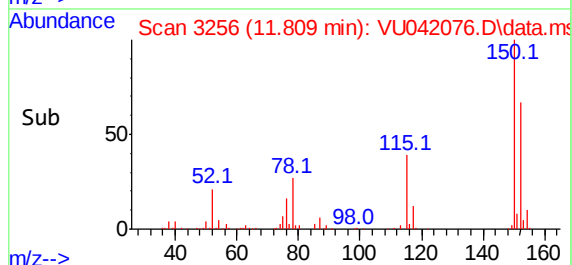
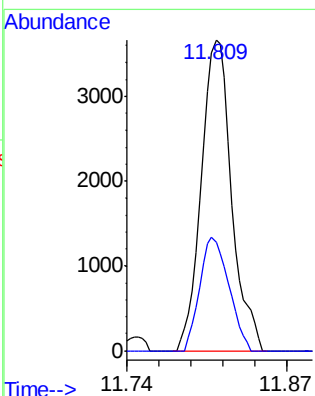
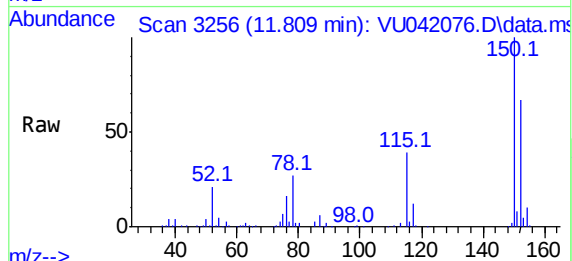




#59
 1,2,3-Trichloropropane
 Concen: 0.86 ug/L
 RT: 11.809 min Scan# 3256
 Delta R.T. 0.990 min
 Lab File: VU042076.D
 Acq: 15 Jan 2021 16:49

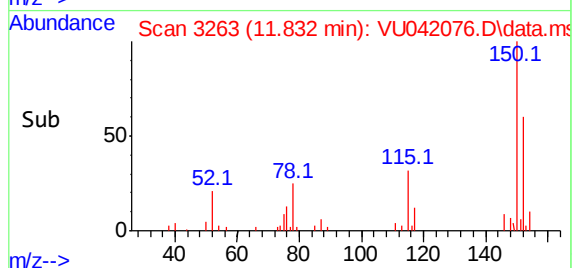
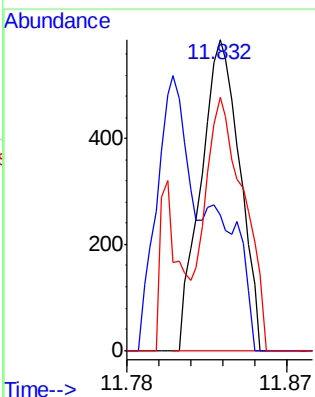
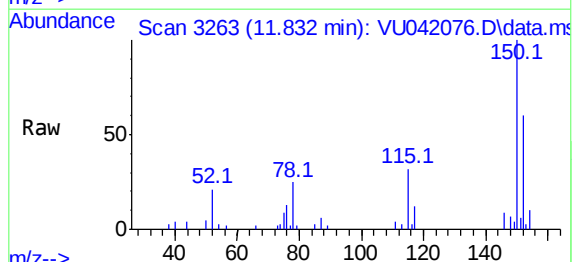
Instrument :
 MSVOA_U
 ClientSampleID :
 BFXN9DL

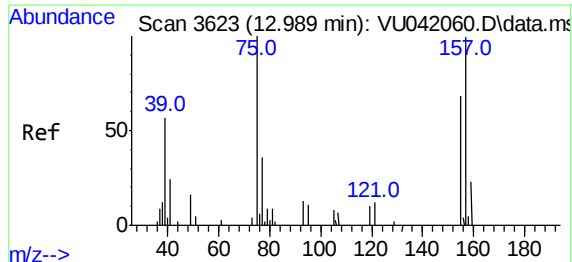
Tgt Ion: 75 Resp: 6227
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.6 38.4



#63
 1,4-Dichlorobenzene
 Concen: 0.05 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU042076.D
 Acq: 15 Jan 2021 16:49

Tgt Ion: 146 Resp: 869
 Ion Ratio Lower Upper
 146 100
 111 43.4 29.0 53.8
 148 81.4 44.5 82.7

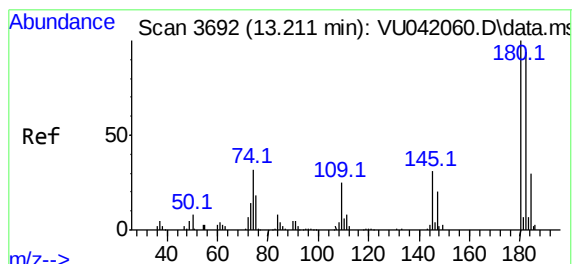
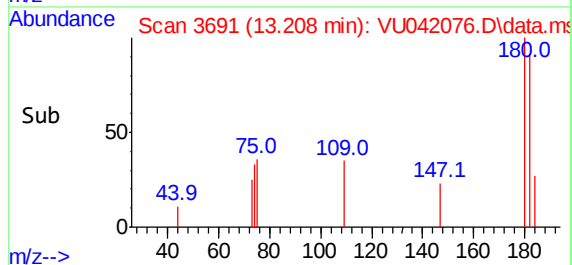
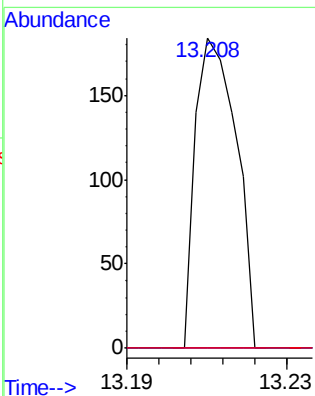
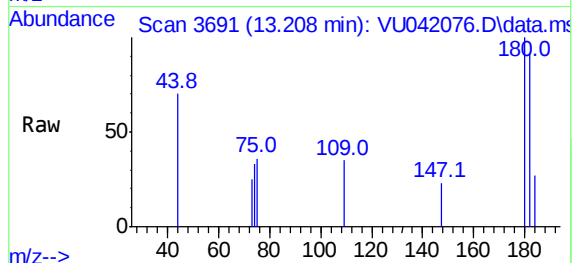




#66
1,2-Dibromo-3-chloropropane
Concen: 0.09 ug/L
RT: 13.208 min Scan# 3691
Delta R.T. 0.219 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

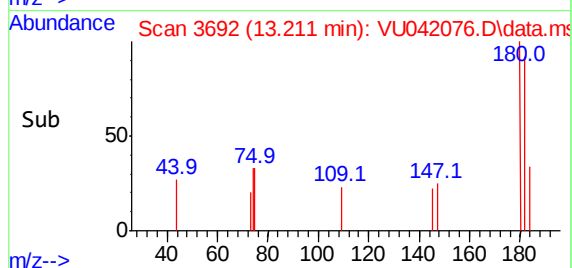
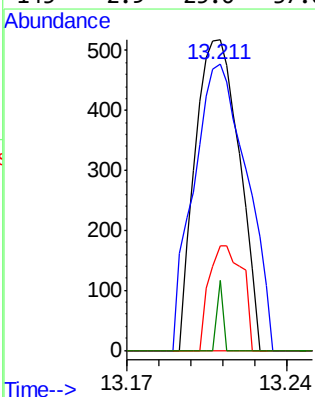
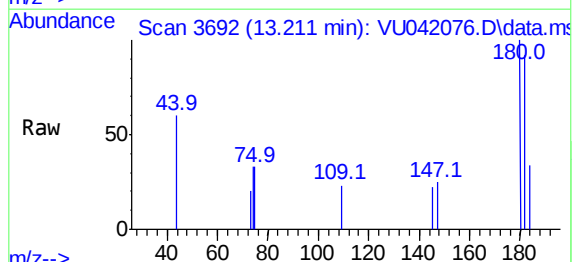
Instrument :
MSVOA_U
ClientSampleID :
BFXN9DL

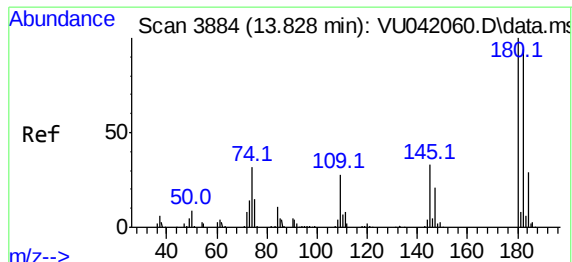
Tgt Ion: 75 Resp: 142
Ion Ratio Lower Upper
75 100
155 0.0 56.6 84.8#
157 0.0 75.0 112.4#



#67
1,3,5-Trichlorobenzene
Concen: 0.06 ug/L
RT: 13.211 min Scan# 3692
Delta R.T. 0.000 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

Tgt Ion: 180 Resp: 771
Ion Ratio Lower Upper
180 100
182 109.9 75.8 113.6
184 25.3 24.2 36.2
145 2.9 25.0 37.6#

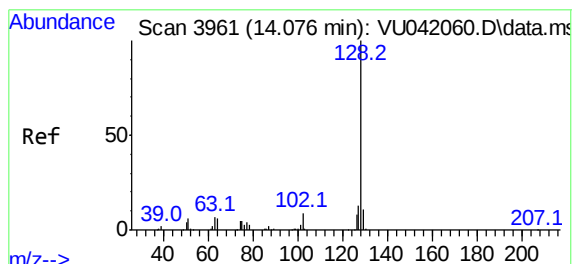
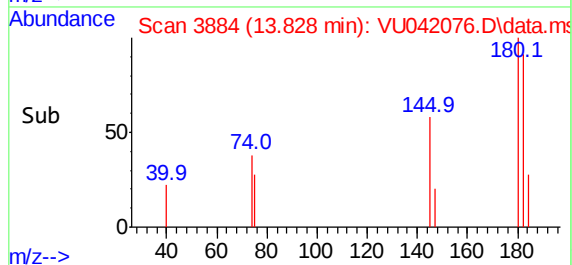
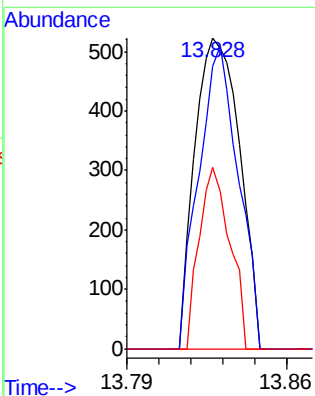
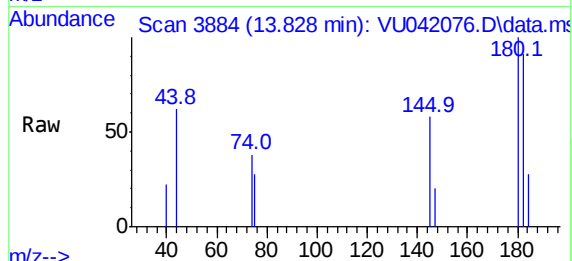




#68
1,2,4-trichlorobenzene
Concen: 0.08 ug/L
RT: 13.828 min Scan# 3884
Delta R.T. 0.000 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

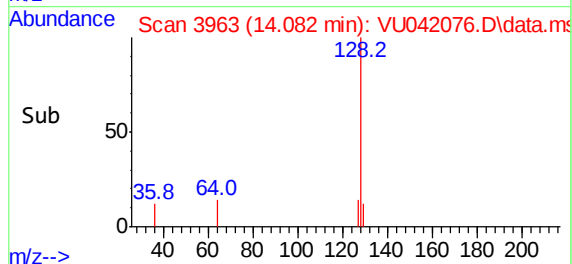
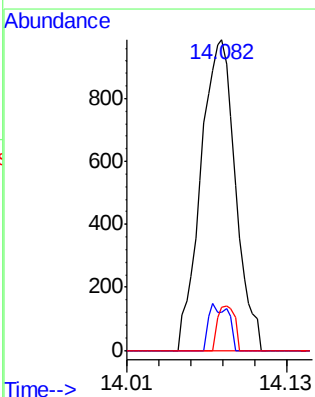
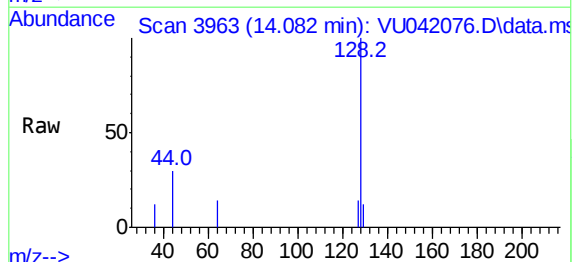
Instrument :
MSVOA_U
ClientSampleId :
BFXN9DL

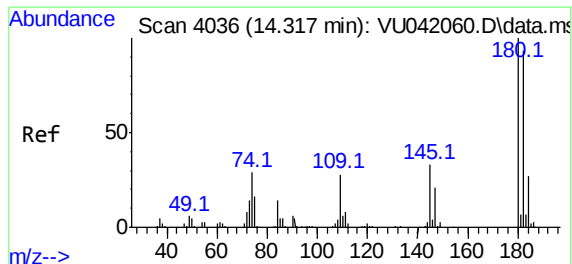
Tgt Ion:	180	Resp:	791
Ion	Ratio	Lower	Upper
180	100		
182	85.8	73.8	110.8
145	40.1	25.0	37.6#



#69
Naphthalene
Concen: 0.10 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.006 min
Lab File: VU042076.D
Acq: 15 Jan 2021 16:49

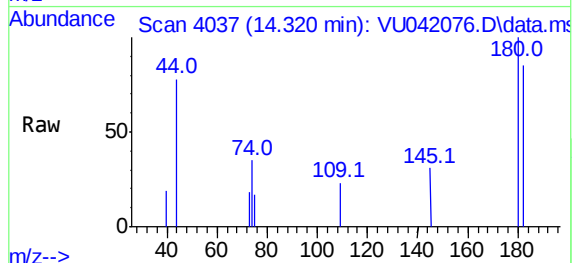
Tgt Ion:	128	Resp:	1719
Ion	Ratio	Lower	Upper
128	100		
129	8.3	8.7	13.1#
127	7.0	10.5	15.7#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.09 ug/L
 RT: 14.320 min Scan# 4037
 Delta R.T. 0.003 min
 Lab File: VU042076.D
 Acq: 15 Jan 2021 16:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN9DL



Tgt Ion:180 Resp: 806

Ion	Ratio	Lower	Upper
180	100		
182	86.6	77.3	115.9
145	21.8	27.6	41.4#

