

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011421\
 Data File : VU042053.D
 Acq On : 15 Jan 2021 00:01
 Operator : SY/MD
 Sample : M1065-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN9

Quant Time: Jan 15 06:39:23 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	6.263	114	119279	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	103190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	46002	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	34860	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.919	69	38866	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.578	63	52269	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	4.655	46	144658	47.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	5.083	84	81594	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.716	65	47588	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.742	84	154891	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.700	67	58022	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.906	98	140569	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloroprop...	8.185	79	21507	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.642	63	118195	52.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.86%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	41831	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.188	152	42335	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	475	0.04	ug/L	93
3) Chloromethane	1.523	50	1397	0.10	ug/L	93
9) Trichlorofluoromethane	2.147	101	13690	0.77	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	832	0.09	ug/L #	59
12) 1,1-Dichloroethene	2.584	96	1137	0.12	ug/L #	1
13) Acetone	2.658	43	1338	0.71	ug/L	82
14) Carbon disulfide	2.806	76	1436	0.05	ug/L #	75
17) Methyl tert-butyl Ether	3.382	73	8847	0.36	ug/L	96
19) 1,1-Dichloroethane	3.887	63	1613	0.09	ug/L #	83
22) cis-1,2-Dichloroethene	4.681	96	12244	1.23	ug/L	92
25) Chloroform	5.105	83	4817	0.26	ug/L	91
31) Carbon tetrachloride	5.542	117	2839	0.22	ug/L	95
34) Trichloroethene	6.552	95	420526	44.05	ug/L	98
35) Methylcyclohexane	6.703	83	13653	0.90	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	5733	0.58	ug/L #	90
39) cis-1,3-Dichloropropene	7.575	75	1327	0.09	ug/L #	50
44) trans-1,3-Dichloropropene	8.192	75	903	0.07	ug/L #	64
47) Tetrachloroethene	8.555	164	51548	8.34	ug/L	98
48) 2-Hexanone	8.642	43	14413	3.11	ug/L #	69
49) Dibromochloromethane	8.558	129	51049	6.68	ug/L #	11

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QLast Update : Fri Jan 15 06:32:40 2021
Response via : Initial Calibration

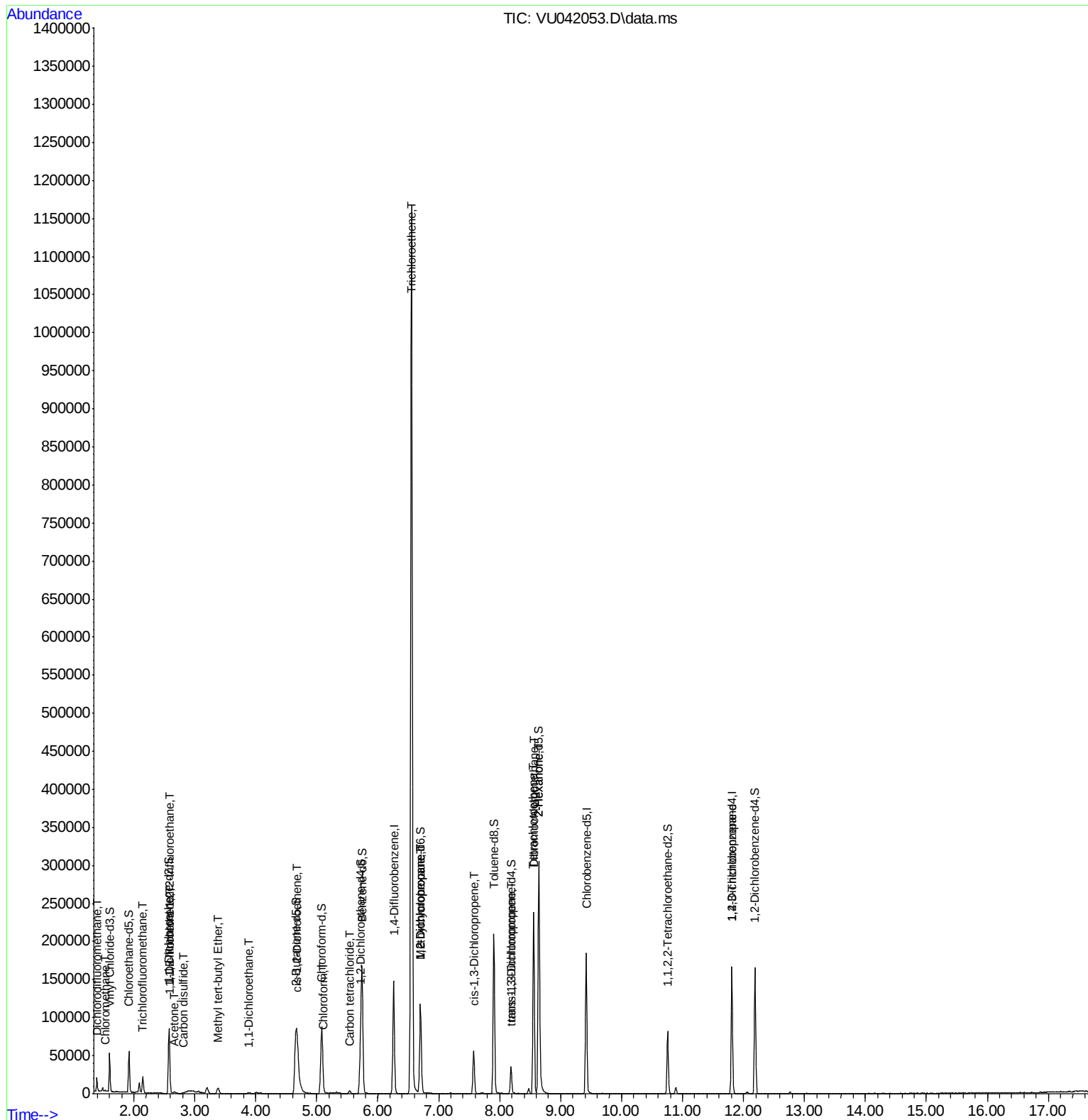
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.809	75	5019	0.77	ug/L	95

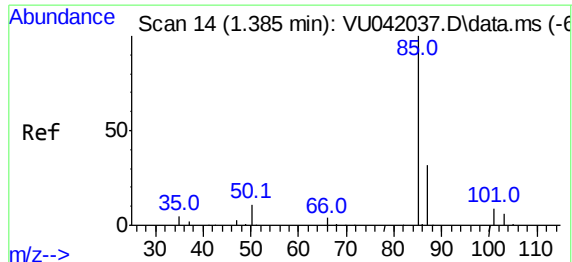
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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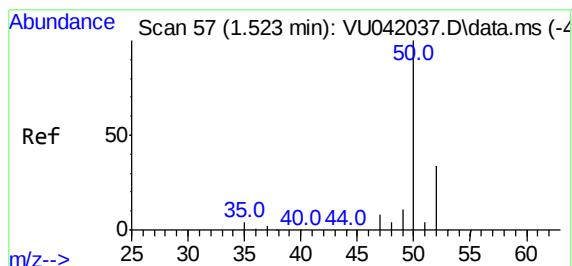
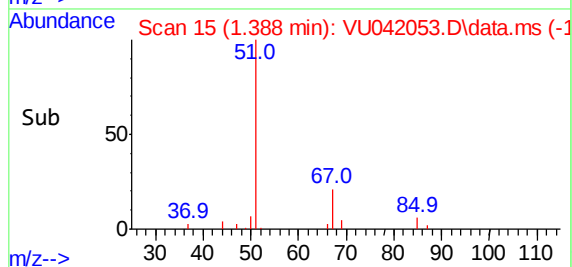
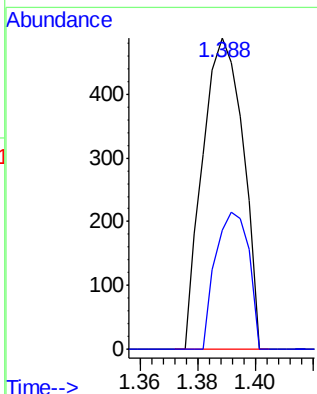
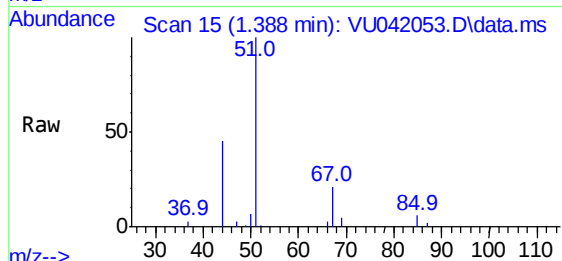




#2
Dichlorodifluoromethane
Concen: 0.04 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

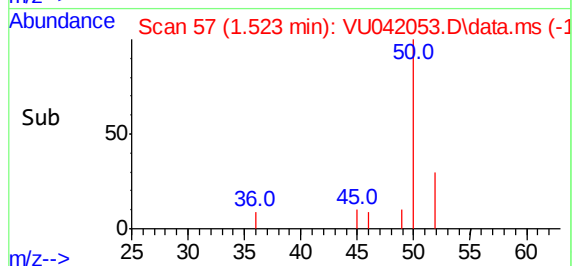
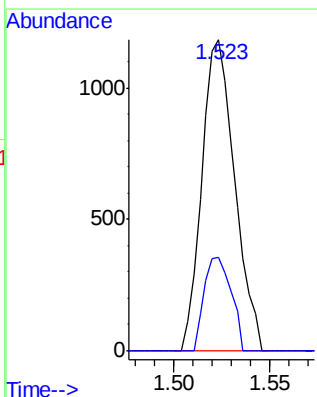
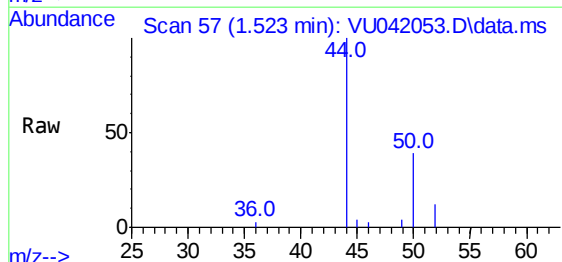
Instrument :
MSVOA_U
ClientSampled :
BFXN9

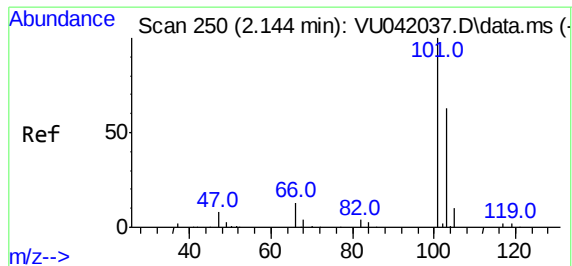
Tgt Ion: 85 Resp: 475
Ion Ratio Lower Upper
85 100
87 36.0 25.7 38.5



#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion: 50 Resp: 1397
Ion Ratio Lower Upper
50 100
52 29.8 23.5 43.7

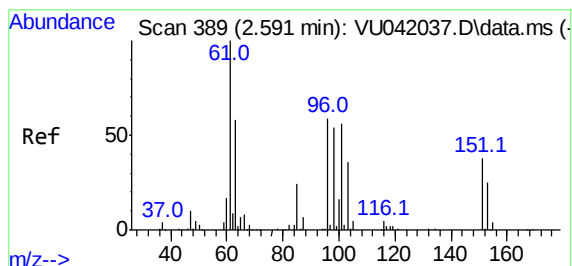
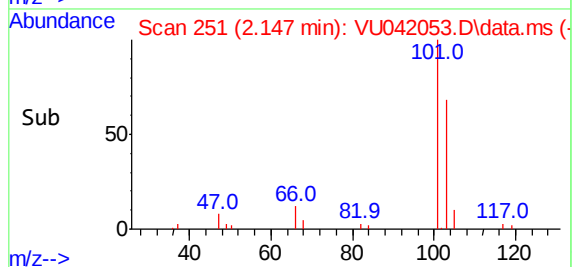
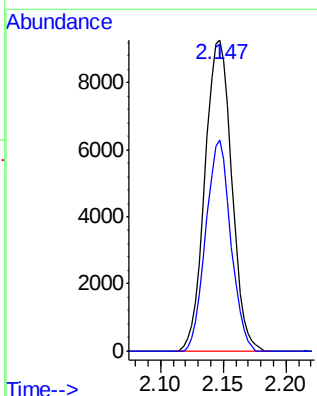
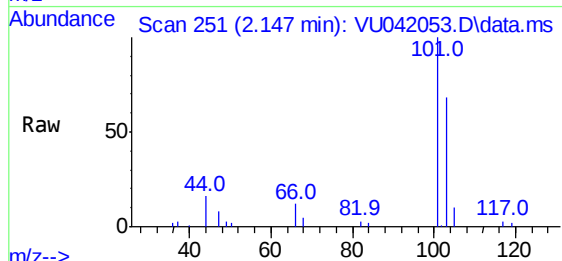




#9
 Trichlorofluoromethane
 Concen: 0.77 ug/L
 RT: 2.147 min Scan# 251
 Delta R.T. 0.003 min
 Lab File: VU042053.D
 Acq: 15 Jan 2021 00:01

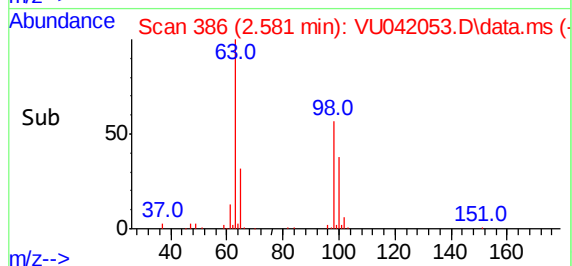
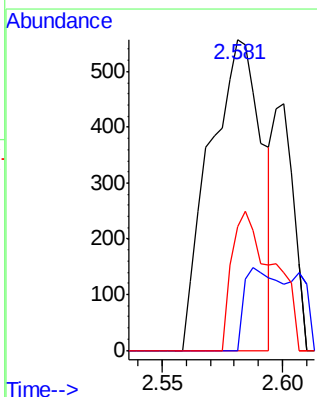
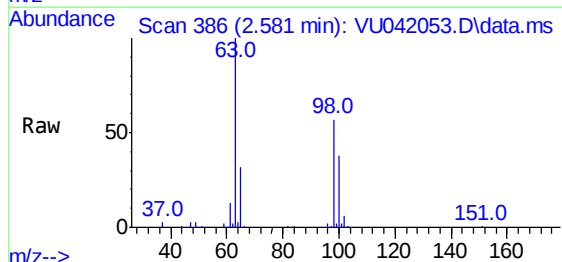
Instrument :
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 ClientSampleId :
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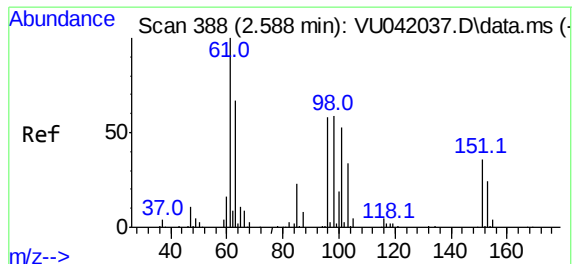
Tgt Ion:101 Resp: 13690
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.09 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.010 min
 Lab File: VU042053.D
 Acq: 15 Jan 2021 00:01

Tgt Ion:101 Resp: 832
 Ion Ratio Lower Upper
 101 100
 85 18.3 35.9 53.9#
 151 36.2 55.4 83.2#

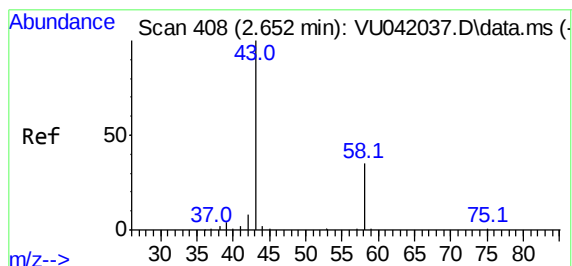
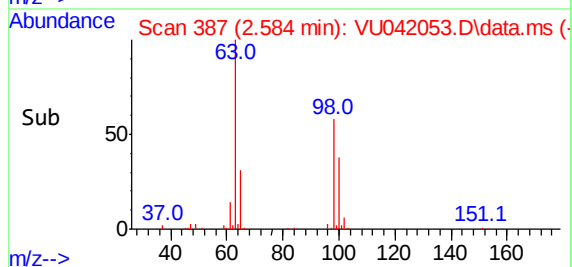
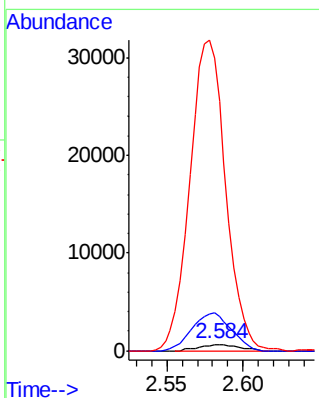
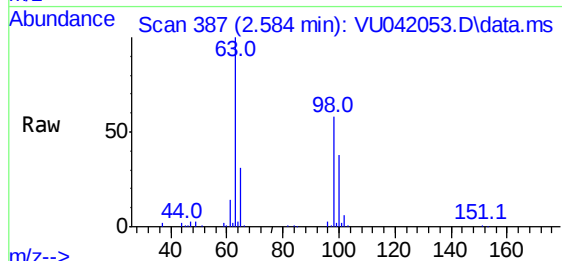




#12
1,1-Dichloroethene
Concen: 0.12 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

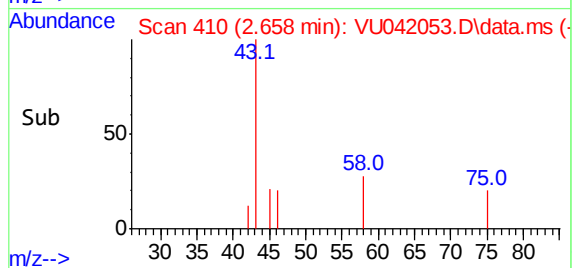
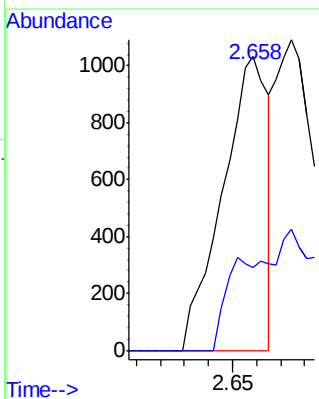
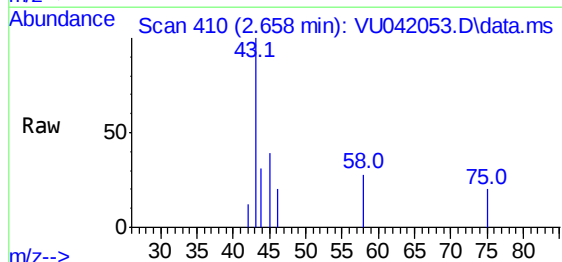
Instrument :
MSVOA_U
ClientSampleId :
BFXN9

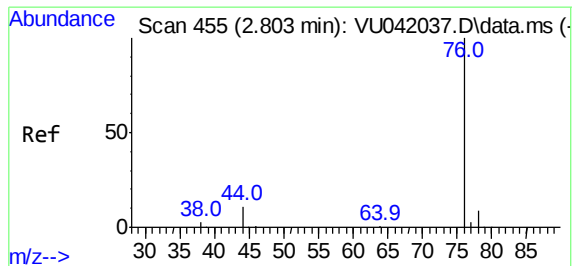
Tgt Ion: 96 Resp: 1137
Ion Ratio Lower Upper
96 100
61 520.9 122.2 226.9#
63 3751.8 82.8 153.8#



#13
Acetone
Concen: 0.71 ug/L
RT: 2.658 min Scan# 410
Delta R.T. 0.006 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
58 19.2 0.0 57.4





#14

Carbon disulfide

Concen: 0.05 ug/L

RT: 2.806 min Scan# 456

Delta R.T. 0.003 min

Lab File: VU042053.D

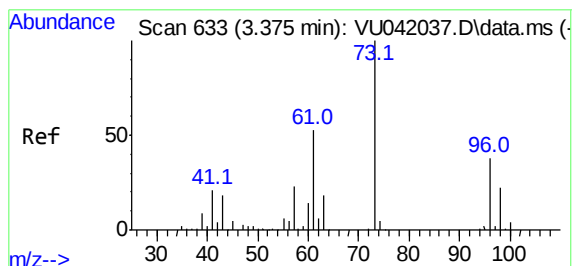
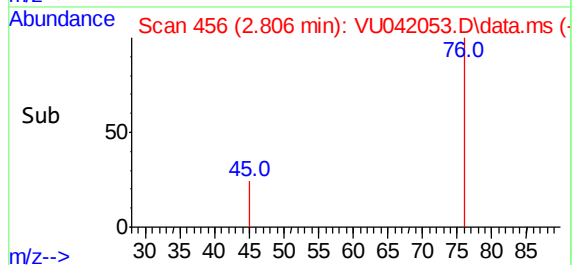
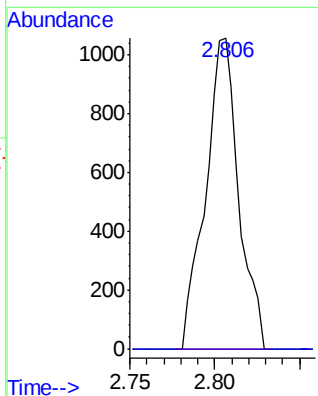
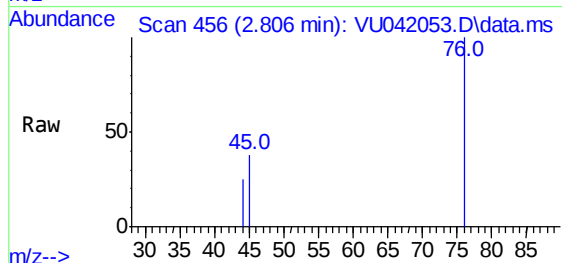
Acq: 15 Jan 2021 00:01

Tgt Ion: 76 Resp: 1436

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#17

Methyl tert-butyl Ether

Concen: 0.36 ug/L

RT: 3.382 min Scan# 635

Delta R.T. 0.006 min

Lab File: VU042053.D

Acq: 15 Jan 2021 00:01

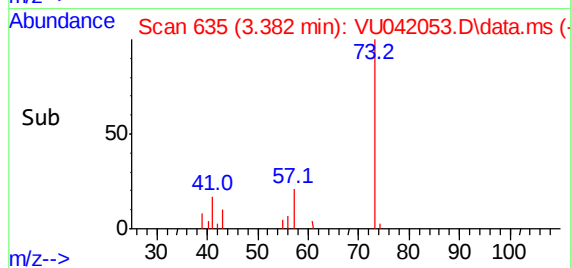
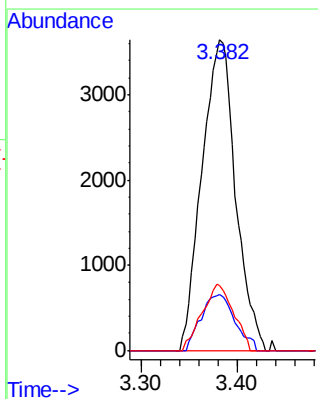
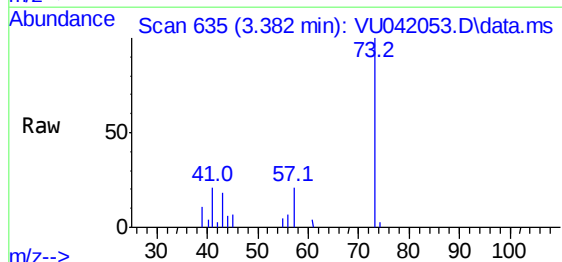
Tgt Ion: 73 Resp: 8847

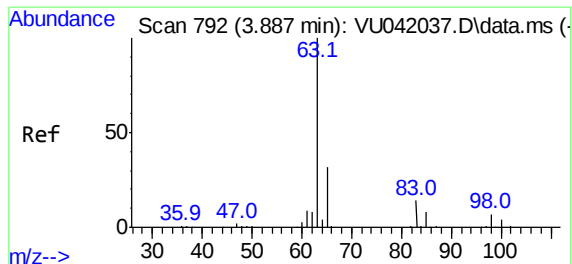
Ion Ratio Lower Upper

73 100

43 18.1 15.1 22.7

57 19.8 18.0 27.0

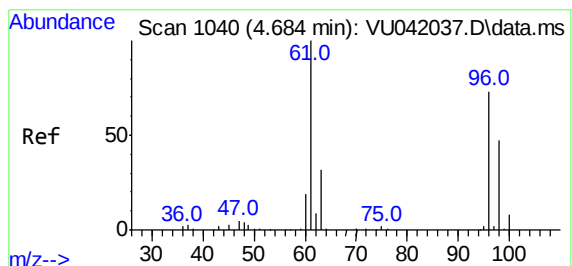
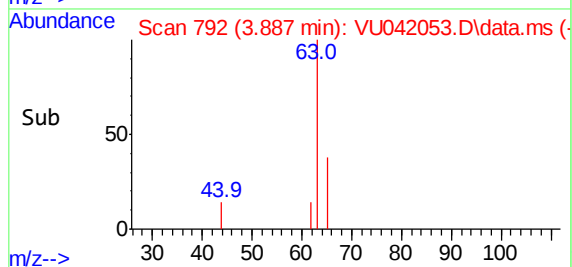
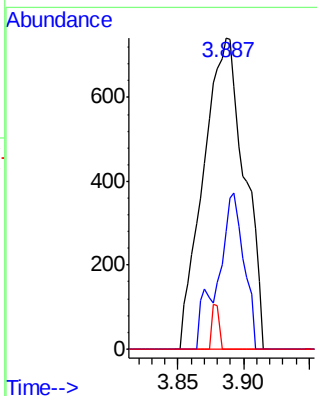
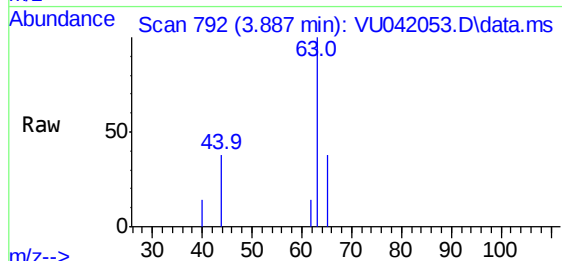




#19
1,1-Dichloroethane
Concen: 0.09 ug/L
RT: 3.887 min Scan# 792
Delta R.T. 0.000 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

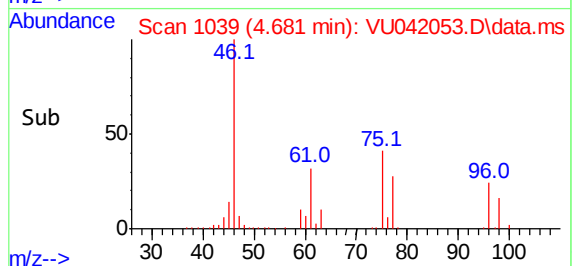
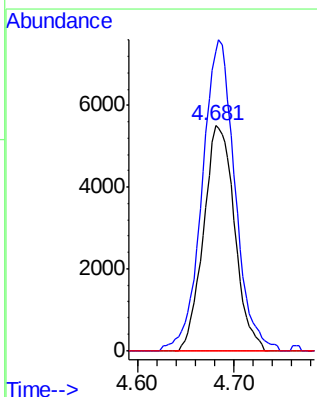
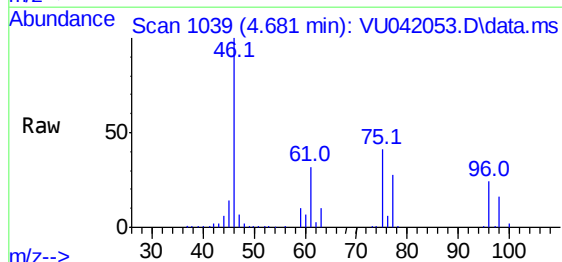
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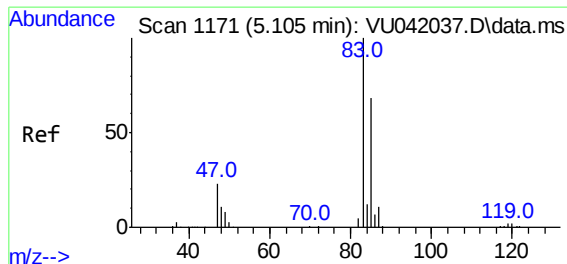
Tgt Ion: 63 Resp: 1613
Ion Ratio Lower Upper
63 100
65 37.9 22.7 42.1
83 0.0 9.4 17.6#



#22
cis-1,2-Dichloroethene
Concen: 1.23 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. -0.003 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion: 96 Resp: 12244
Ion Ratio Lower Upper
96 100
61 133.4 100.3 186.3
68 0.0 0.0 0.0

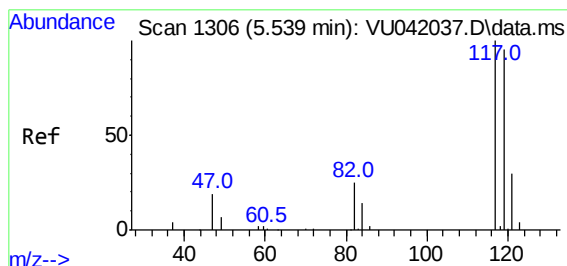
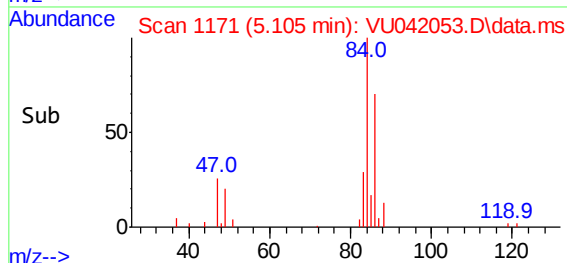
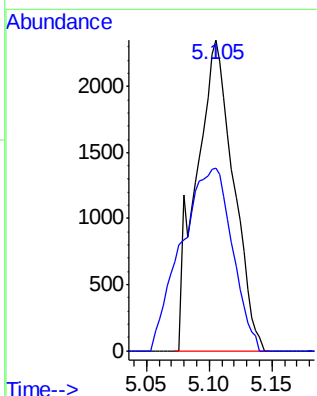
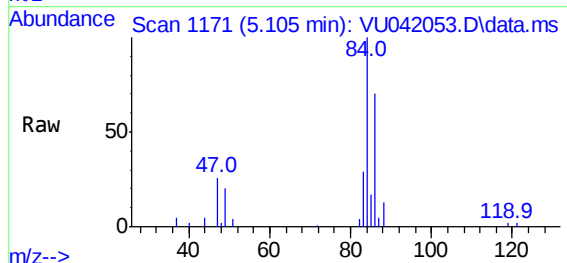




#25
Chloroform
Concen: 0.26 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

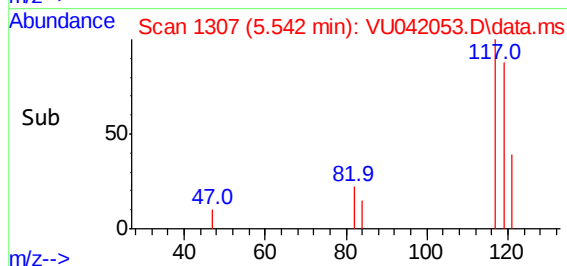
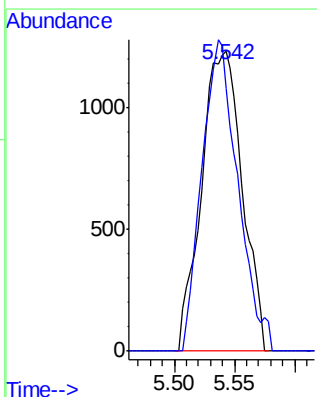
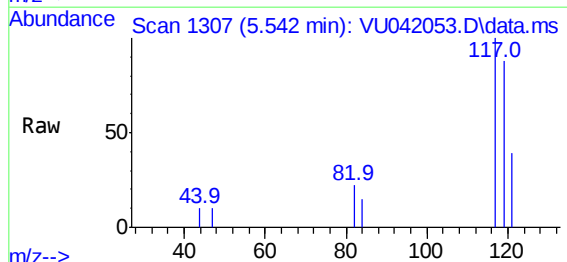
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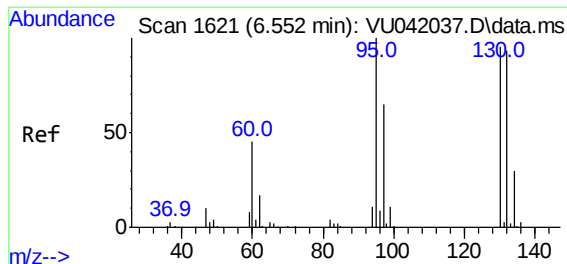
Tgt Ion: 83 Resp: 4817
Ion Ratio Lower Upper
83 100
85 58.8 46.1 85.7



#31
Carbon tetrachloride
Concen: 0.22 ug/L
RT: 5.542 min Scan# 1307
Delta R.T. 0.003 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion: 117 Resp: 2839
Ion Ratio Lower Upper
117 100
119 91.2 76.6 114.8



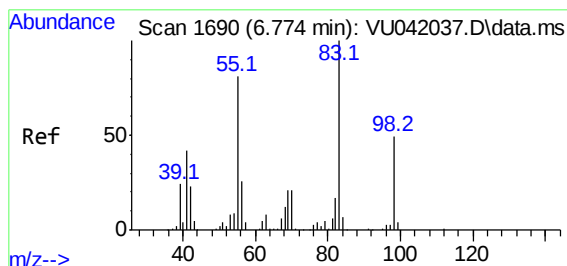
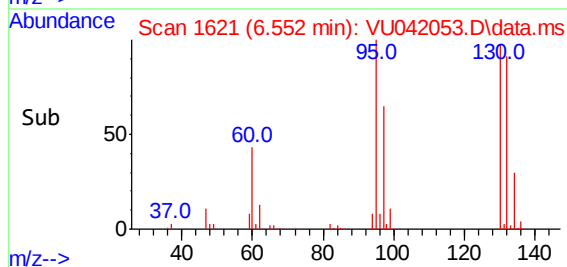
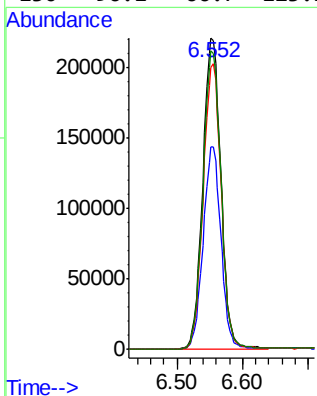
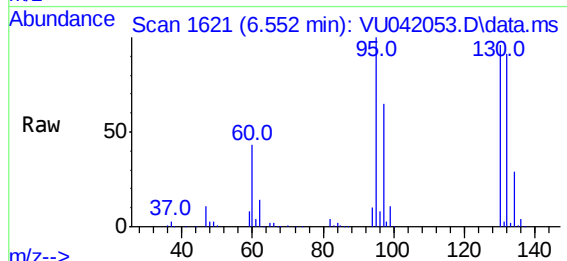


#34
Trichloroethene
Concen: 44.05 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Instrument :
MSVOA_U
ClientSampleId :
BFXN9

Tgt Ion: 95 Resp: 420526

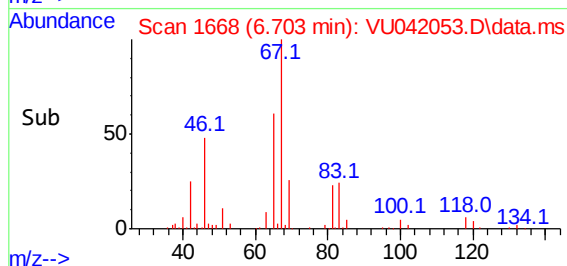
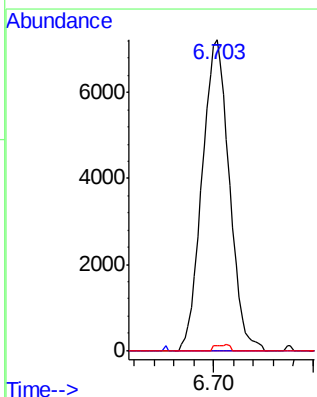
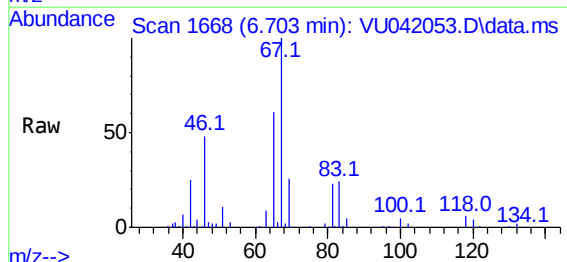
Ion	Ratio	Lower	Upper
95	100		
97	64.8	43.6	81.0
132	90.7	64.3	119.3
130	96.1	66.7	123.9

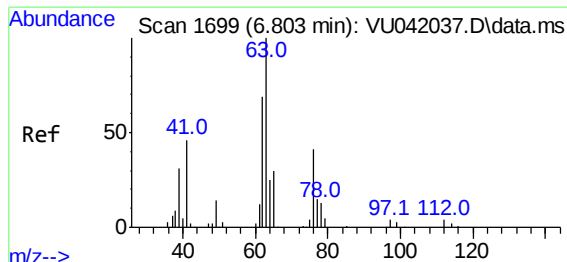


#35
Methylcyclohexane
Concen: 0.90 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.071 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion: 83 Resp: 13653

Ion	Ratio	Lower	Upper
83	100		
55	0.1	66.8	100.2#
98	0.0	35.7	53.5#

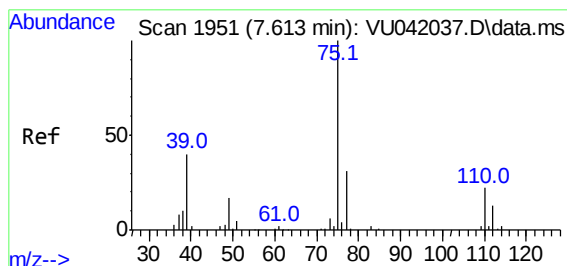
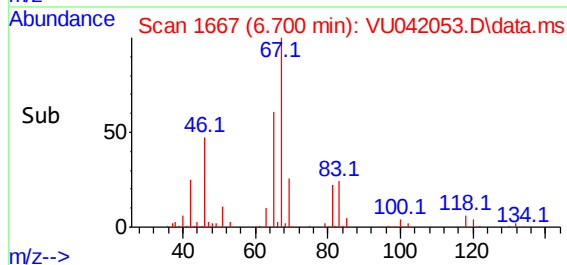
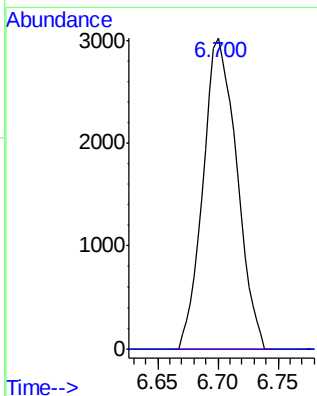
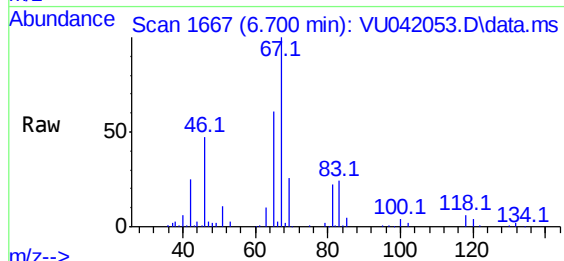




#37
1,2-Dichloropropane
Concen: 0.58 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.103 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

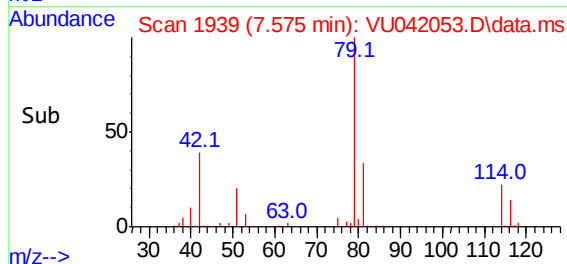
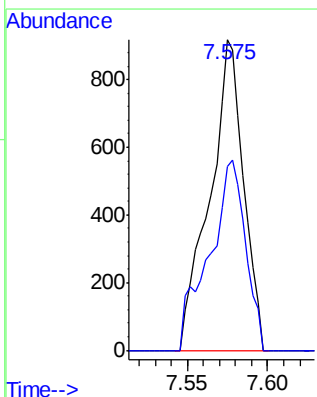
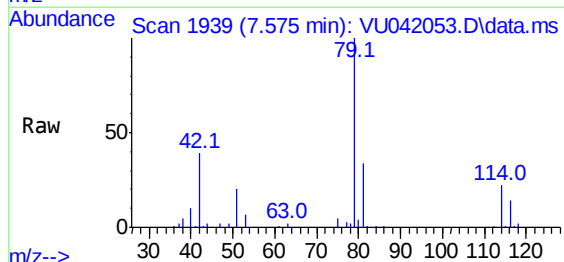
Instrument :
MSVOA_U
ClientSampled :
BFXN9

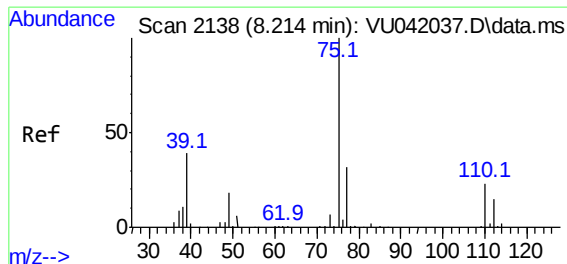
Tgt Ion: 63 Resp: 5733
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion: 75 Resp: 1327
Ion Ratio Lower Upper
75 100
77 59.2 21.9 40.7#



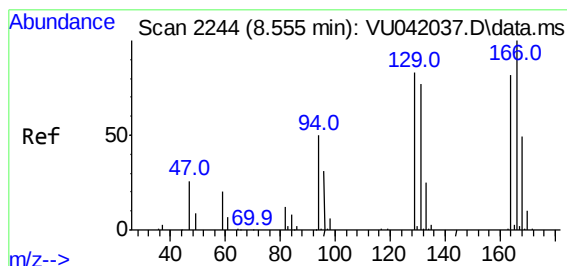
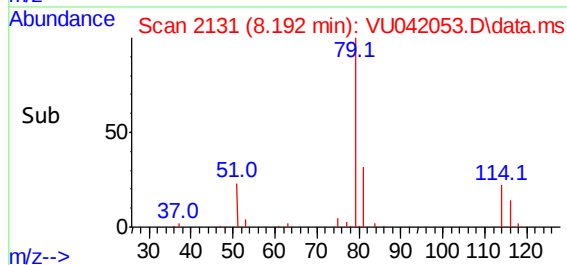
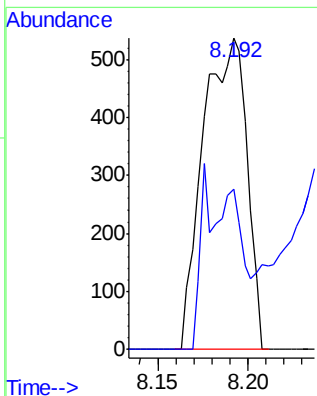
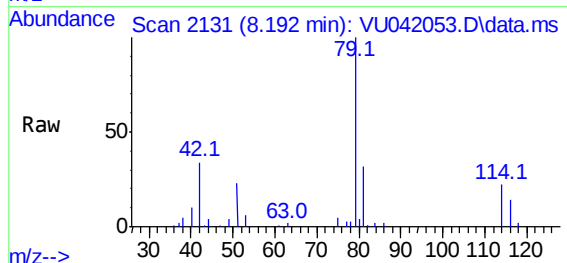


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.192 min Scan# 2131
Delta R.T. -0.022 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Instrument :
MSVOA_U
ClientSampleId :
BFXN9

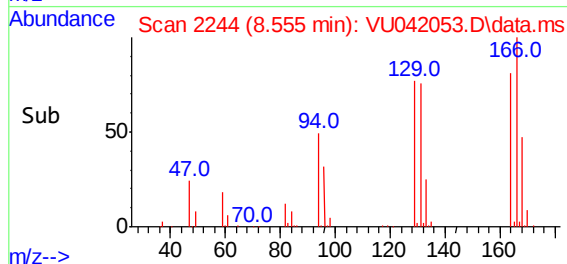
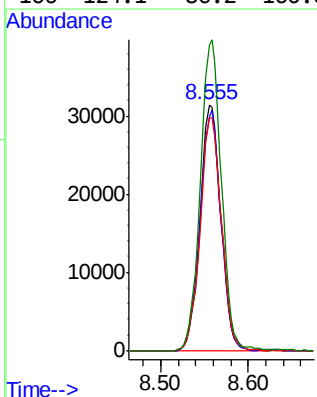
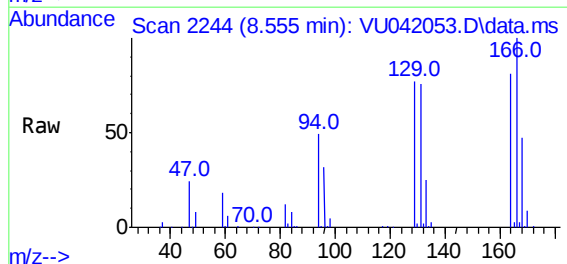
Tgt Ion: 75 Resp: 903
Ion Ratio Lower Upper
75 100
77 51.5 22.0 41.0#

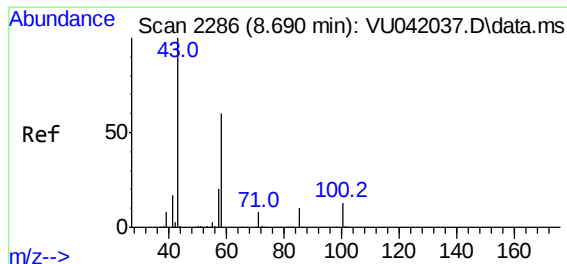


#47

Tetrachloroethene
Concen: 8.34 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion:164 Resp: 51548
Ion Ratio Lower Upper
164 100
129 94.9 68.7 127.5
131 94.6 65.2 121.0
166 124.1 86.2 160.0



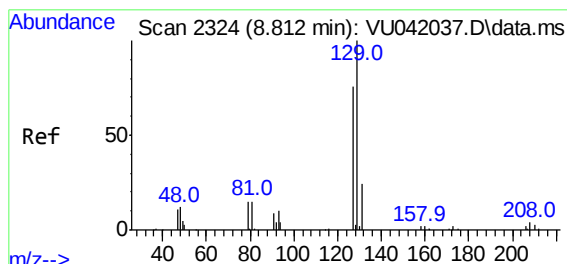
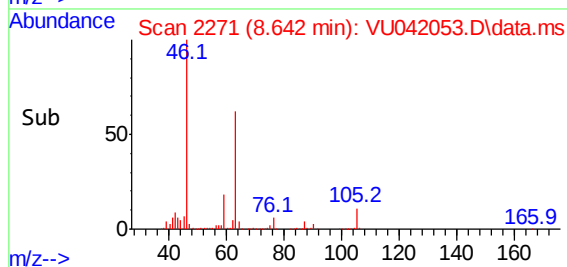
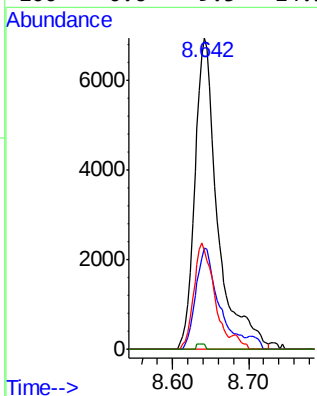
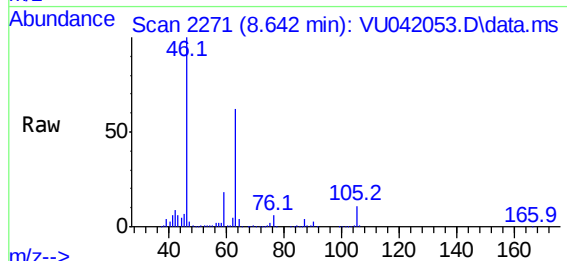


#48
2-Hexanone
Concen: 3.11 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Instrument :
MSVOA_U
ClientSampleId :
BFXN9

Tgt Ion: 43 Resp: 14413

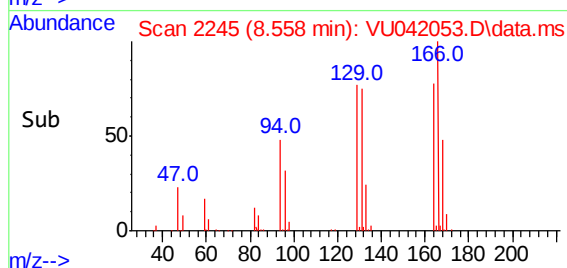
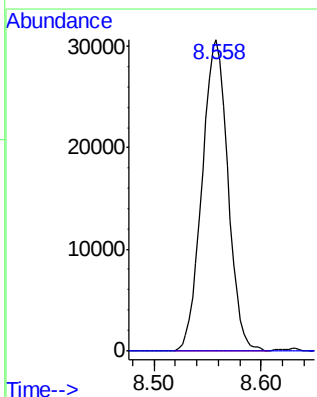
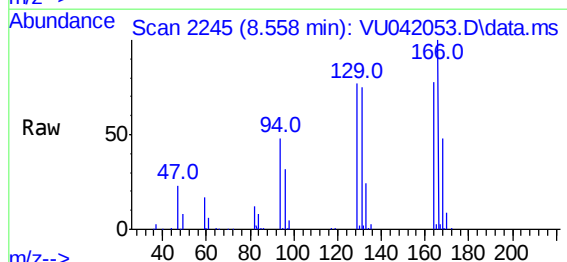
Ion	Ratio	Lower	Upper
43	100		
58	32.4	47.8	71.8#
57	29.8	17.4	26.0#
100	0.6	9.5	14.3#

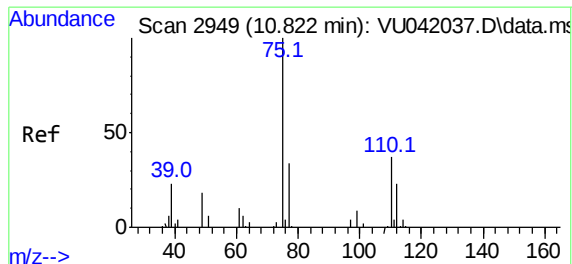


#49
Dibromochloromethane
Concen: 6.68 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU042053.D
Acq: 15 Jan 2021 00:01

Tgt Ion: 129 Resp: 51049

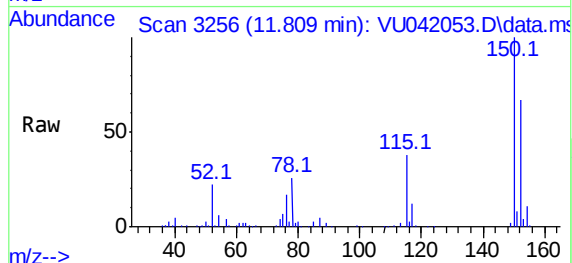
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.7	99.7#





#59
 1,2,3-Trichloropropane
 Concen: 0.77 ug/L
 RT: 11.809 min Scan# 3256
 Delta R.T. 0.987 min
 Lab File: VU042053.D
 Acq: 15 Jan 2021 00:01

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN9



Tgt Ion: 75 Resp: 5019
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.6 38.4

