

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011421\
 Data File : VU042055.D
 Acq On : 15 Jan 2021 00:49
 Operator : SY/MD
 Sample : M1065-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP6

Quant Time: Jan 15 06:40:22 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	125131	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	99250	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	43484	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	33111	3.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.20%
7) Chloroethane-d5	1.919	69	38343	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.575	63	54510	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.655	46	151924	47.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.88%
24) Chloroform-d	5.079	84	82895	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.716	65	45600	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.742	84	150434	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.700	67	57163	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.902	98	113555	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloroprop...	8.185	79	17654	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.642	63	104362	48.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.26%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	40690	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.188	152	41780	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	744	0.06	ug/L	94
3) Chloromethane	1.523	50	4111	0.28	ug/L	97
9) Trichlorofluoromethane	2.144	101	7409	0.40	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	1036	0.10	ug/L #	62
12) 1,1-Dichloroethene	2.581	96	836	0.08	ug/L #	1
13) Acetone	2.665	43	2909	1.47	ug/L	87
17) Methyl tert-butyl Ether	3.379	73	10895	0.42	ug/L	97
18) trans-1,2-Dichloroethene	3.369	96	713	0.07	ug/L #	68
19) 1,1-Dichloroethane	3.877	63	1127	0.06	ug/L #	87
22) cis-1,2-Dichloroethene	4.681	96	26038	2.50	ug/L	94
25) Chloroform	5.102	83	2818	0.14	ug/L	96
31) Carbon tetrachloride	5.546	117	677	0.05	ug/L #	74
34) Trichloroethene	6.552	95	217778	23.72	ug/L	98
35) Methylcyclohexane	6.700	83	12886	0.88	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	6201	0.65	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1084	0.08	ug/L #	66
44) trans-1,3-Dichloropropene	8.182	75	843	0.07	ug/L	89
47) Tetrachloroethene	8.555	164	26789	4.50	ug/L	98
48) 2-Hexanone	8.642	43	13151	2.95	ug/L #	70
49) Dibromochloromethane	8.558	129	26838	3.65	ug/L #	11

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

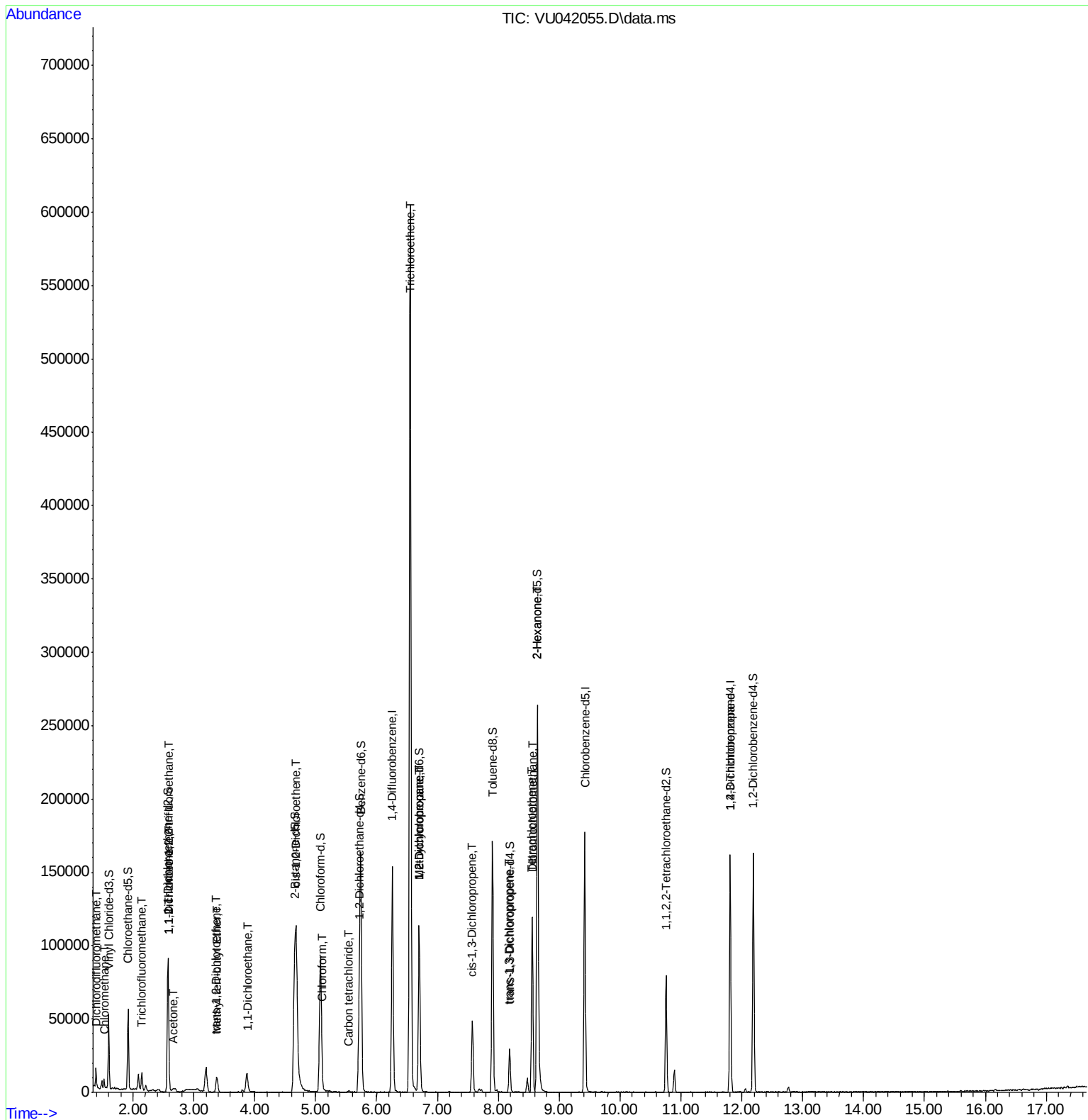
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MSVOA_U
ClientSampleId :
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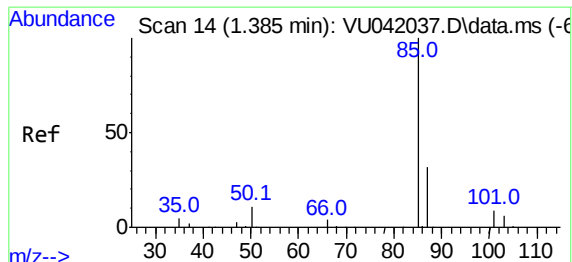
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 06:32:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.809	75	4641	0.74	ug/L	89

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

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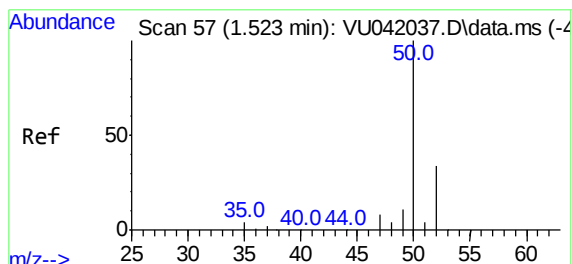
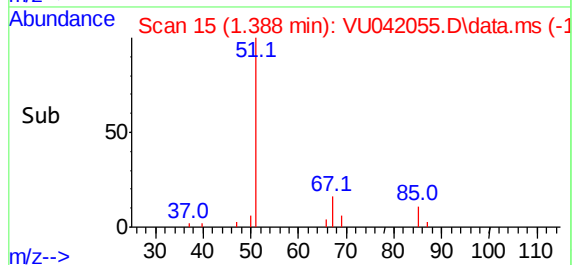
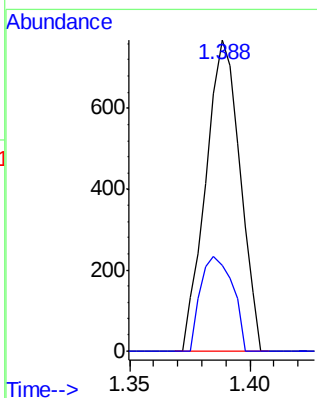
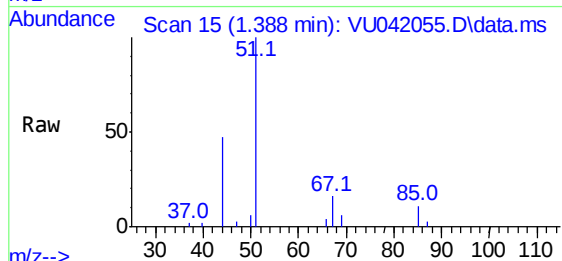




#2
Dichlorodifluoromethane
Concen: 0.06 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

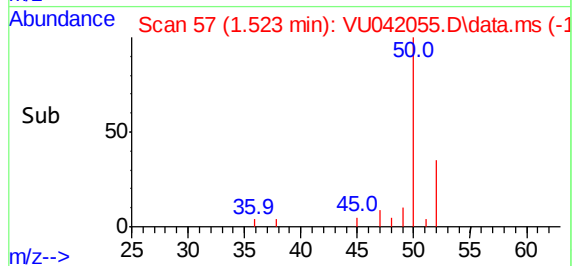
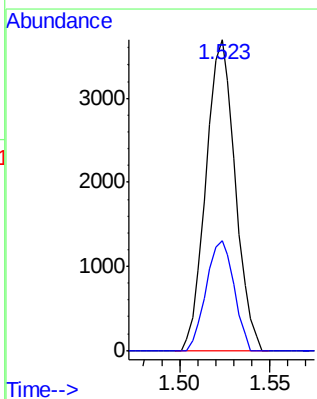
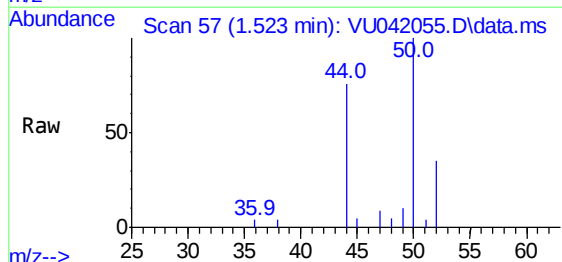
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ClientSampled :
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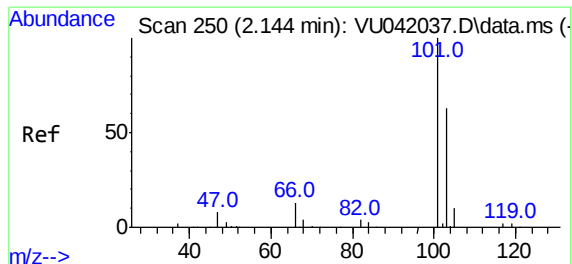
Tgt Ion: 85 Resp: 744
Ion Ratio Lower Upper
85 100
87 28.5 25.7 38.5



#3
Chloromethane
Concen: 0.28 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 50 Resp: 4111
Ion Ratio Lower Upper
50 100
52 35.4 23.5 43.7

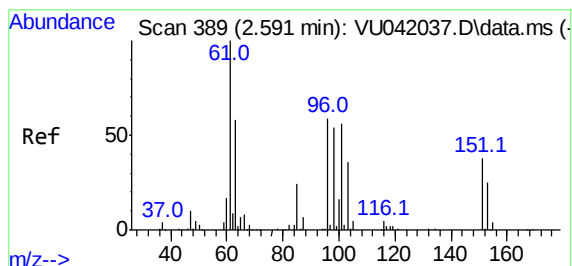
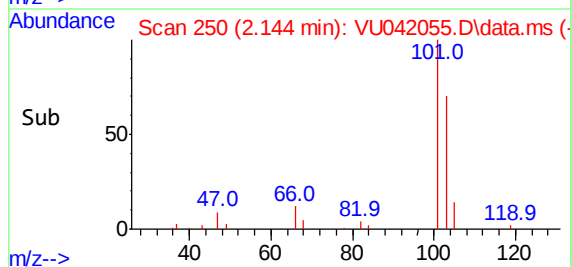
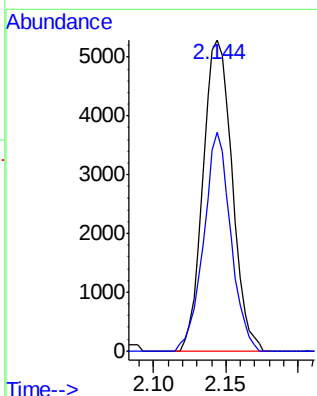
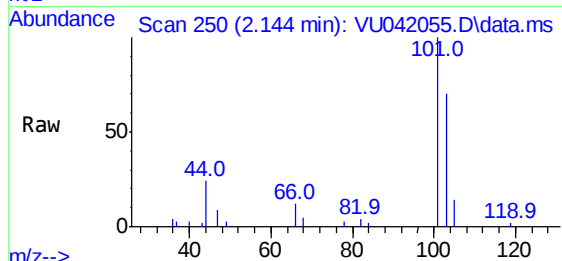




#9
Trichlorofluoromethane
Concen: 0.40 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

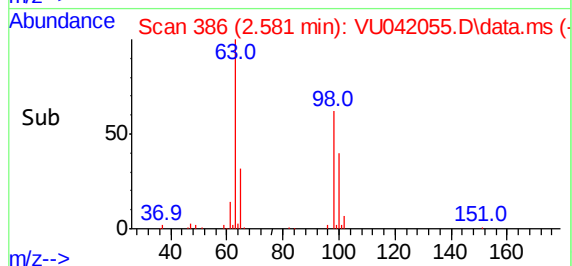
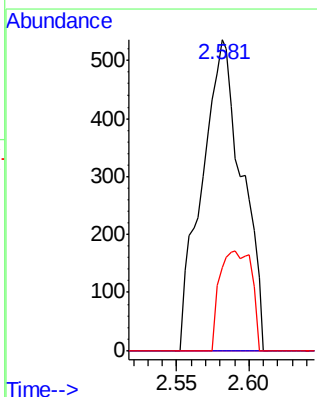
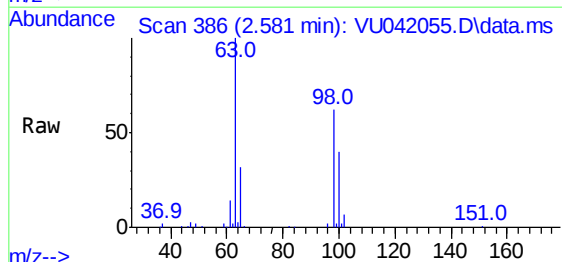
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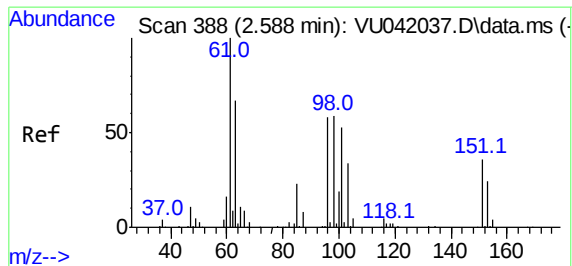
Tgt Ion:101 Resp: 7409
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.10 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.010 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion:101 Resp: 1036
Ion Ratio Lower Upper
101 100
85 37.0 35.9 53.9
151 25.2 55.4 83.2#

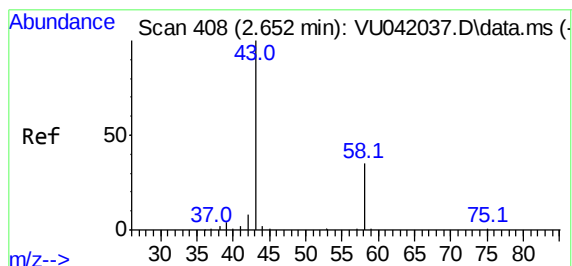
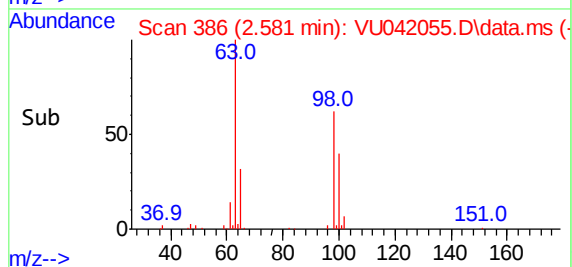
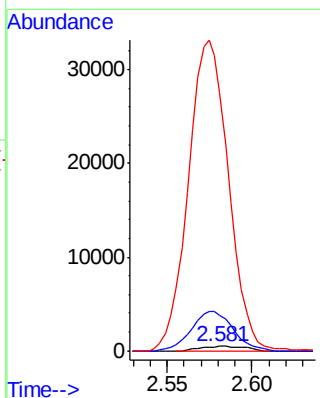
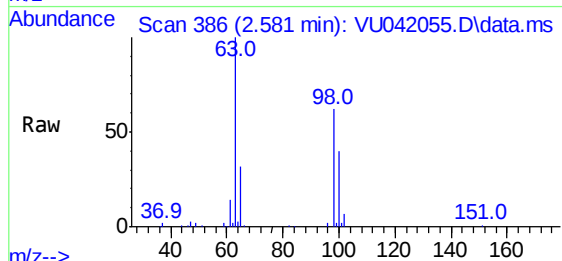




#12
1,1-Dichloroethene
Concen: 0.08 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

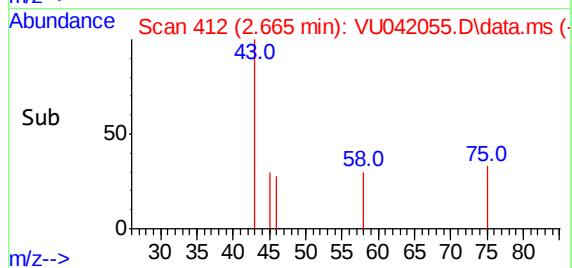
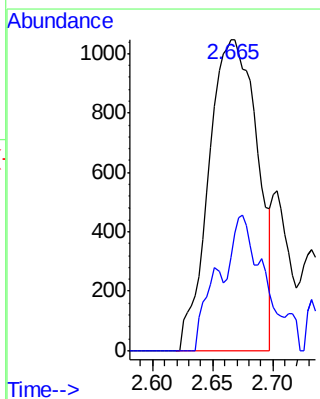
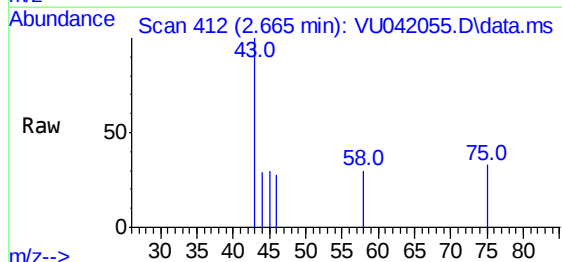
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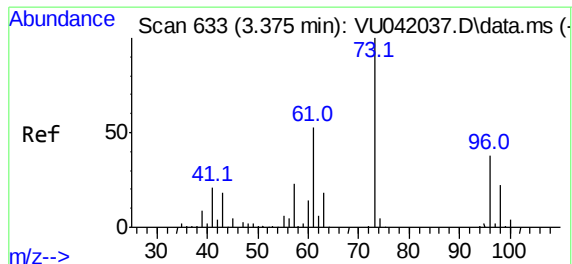
Tgt Ion: 96 Resp: 836
Ion Ratio Lower Upper
96 100
61 814.6 122.2 226.9#
63 5847.5 82.8 153.8#



#13
Acetone
Concen: 1.47 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.013 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
58 21.8 0.0 57.4

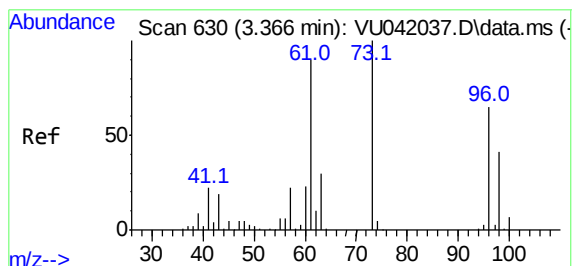
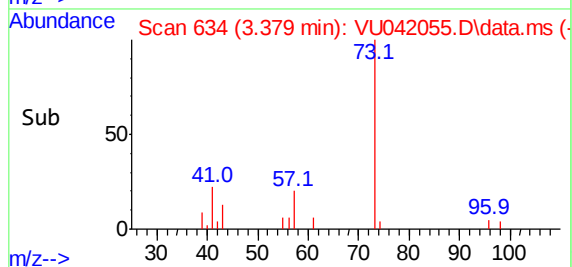
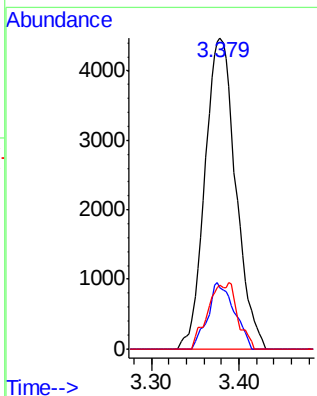
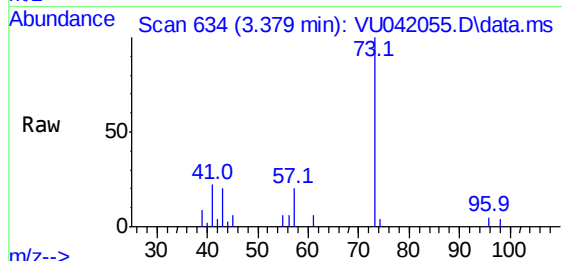




#17
Methyl tert-butyl Ether
Concen: 0.42 ug/L
RT: 3.379 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

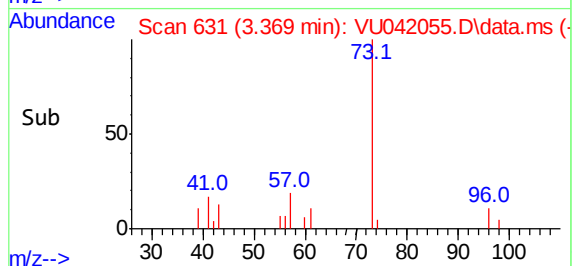
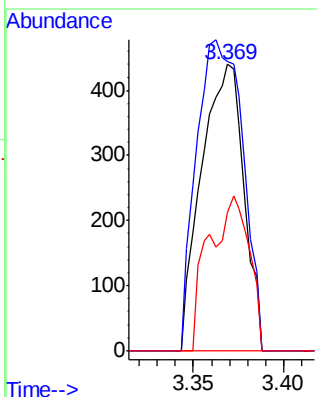
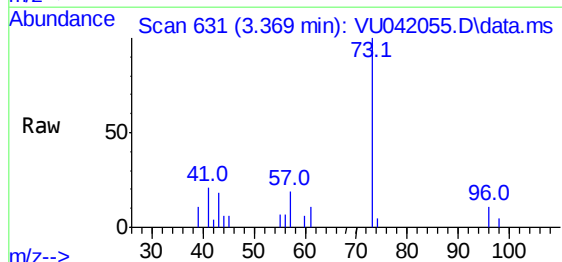
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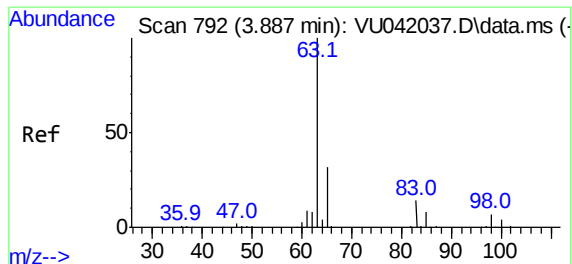
Tgt Ion: 73 Resp: 10895
Ion Ratio Lower Upper
73 100
43 18.3 15.1 22.7
57 20.2 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 96 Resp: 713
Ion Ratio Lower Upper
96 100
61 100.7 103.2 191.6#
98 48.3 43.8 81.3

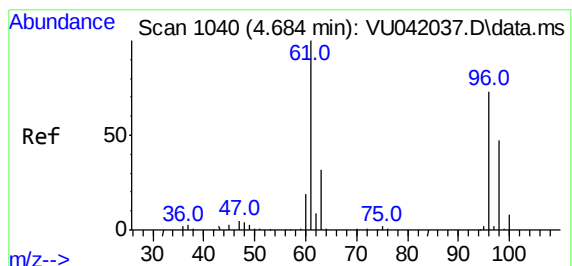
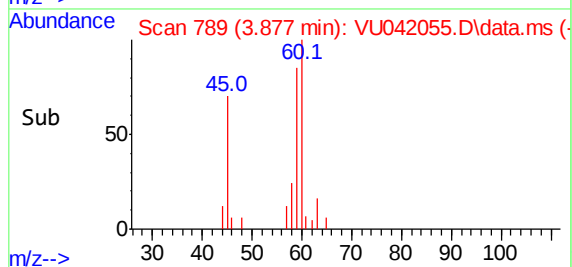
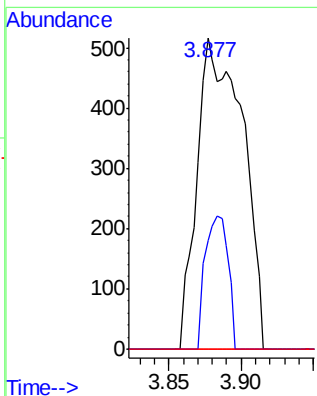
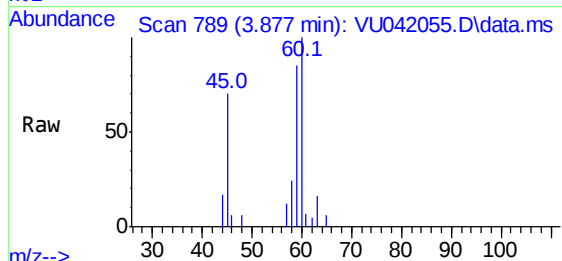




#19
1,1-Dichloroethane
Concen: 0.06 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.010 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

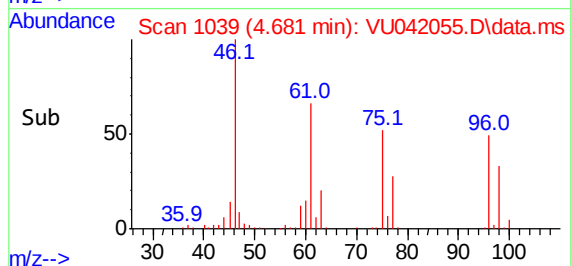
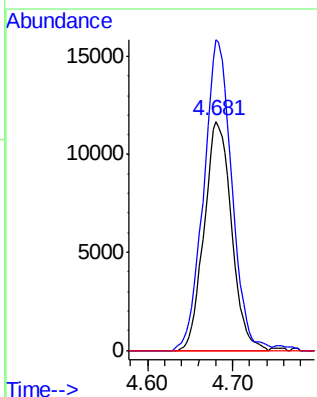
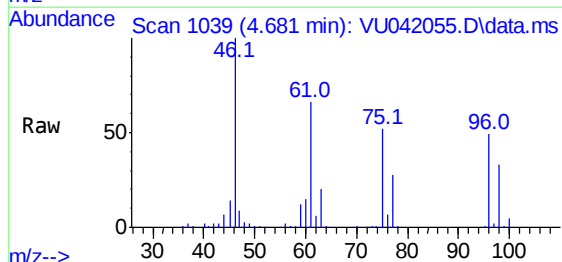
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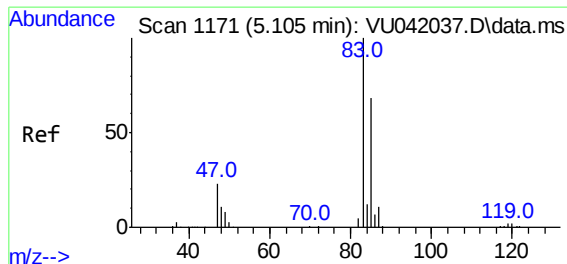
Tgt Ion: 63 Resp: 1127
Ion Ratio Lower Upper
63 100
65 34.9 22.7 42.1
83 0.0 9.4 17.6#



#22
cis-1,2-Dichloroethene
Concen: 2.50 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. -0.003 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 96 Resp: 26038
Ion Ratio Lower Upper
96 100
61 135.5 100.3 186.3
68 0.0 0.0 0.0

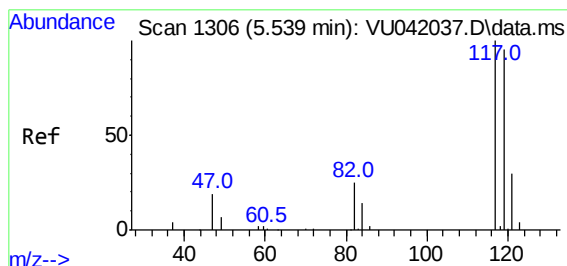
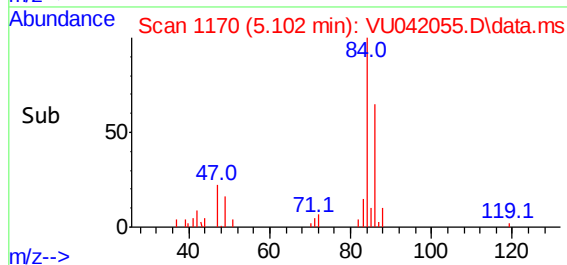
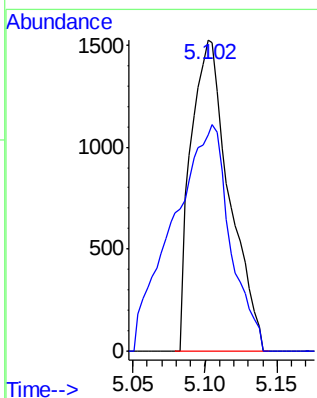
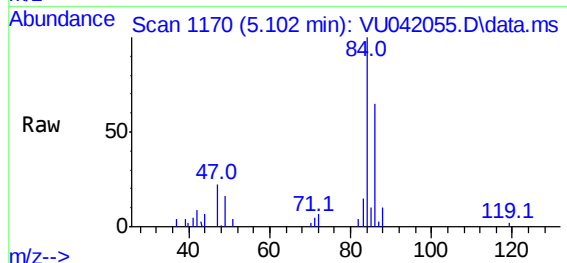




#25
Chloroform
Concen: 0.14 ug/L
RT: 5.102 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

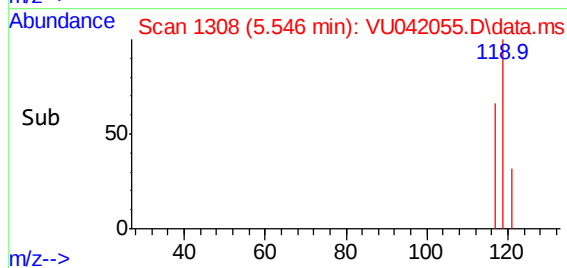
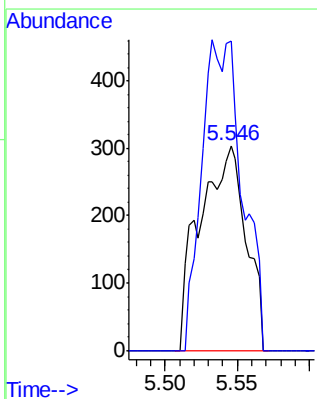
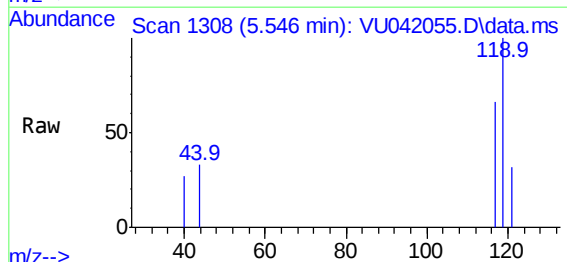
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ClientSampleId :
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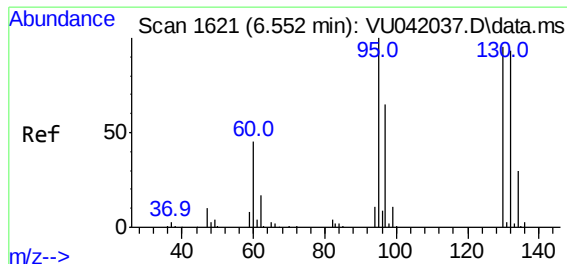
Tgt Ion: 83 Resp: 2818
Ion Ratio Lower Upper
83 100
85 69.4 46.1 85.7



#31
Carbon tetrachloride
Concen: 0.05 ug/L
RT: 5.546 min Scan# 1308
Delta R.T. 0.006 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 117 Resp: 677
Ion Ratio Lower Upper
117 100
119 69.9 76.6 114.8#



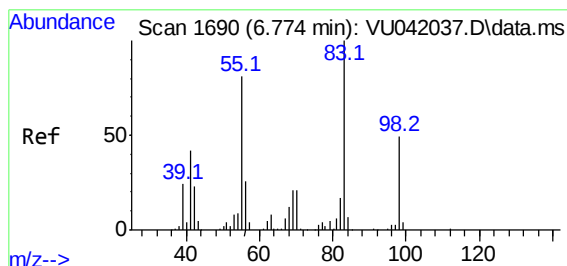
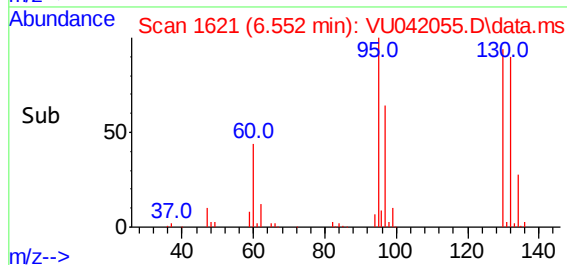
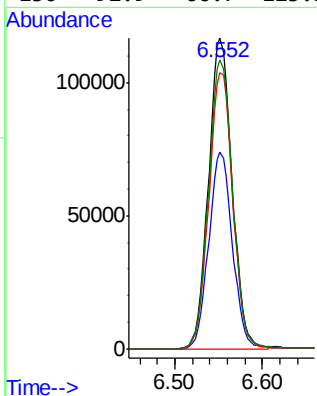
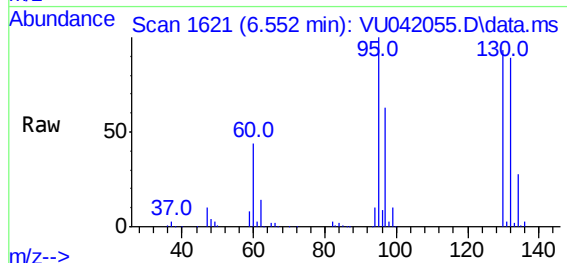


#34
Trichloroethene
Concen: 23.72 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Instrument :
MSVOA_U
ClientSampleId :
BFXP6

Tgt Ion: 95 Resp: 217778

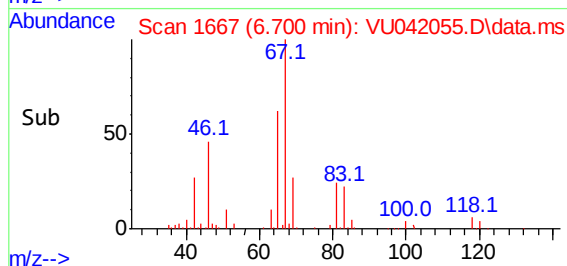
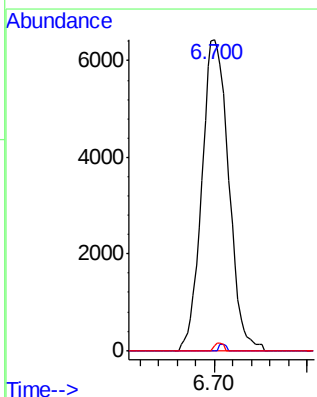
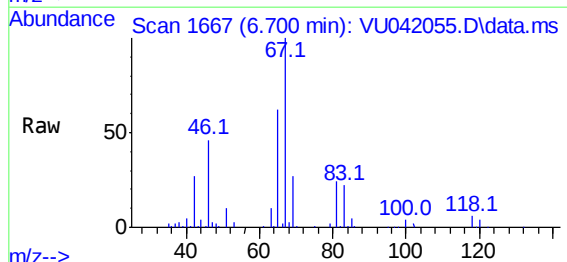
Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.6	81.0
132	88.8	64.3	119.3
130	92.9	66.7	123.9

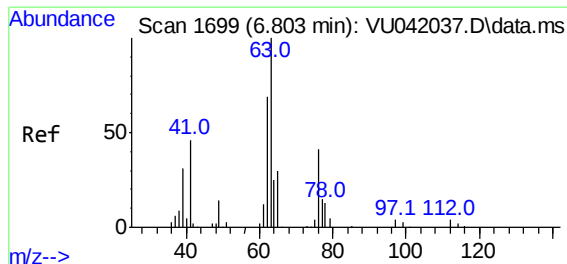


#35
Methylcyclohexane
Concen: 0.88 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 83 Resp: 12886

Ion	Ratio	Lower	Upper
83	100		
55	0.5	66.8	100.2#
98	0.0	35.7	53.5#

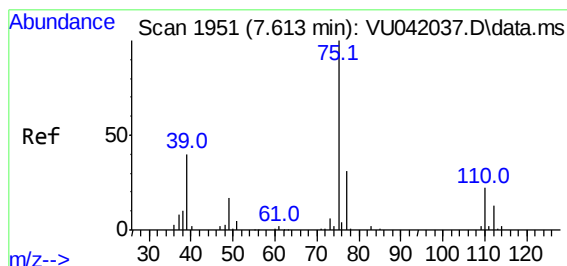
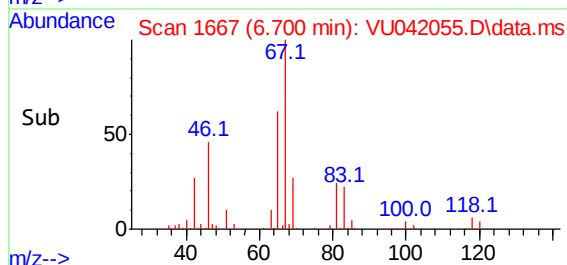
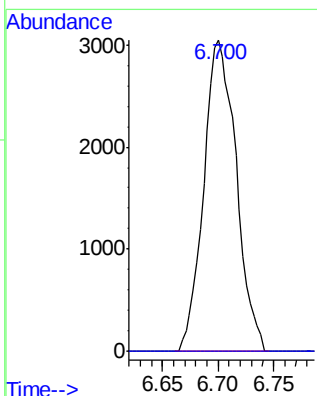
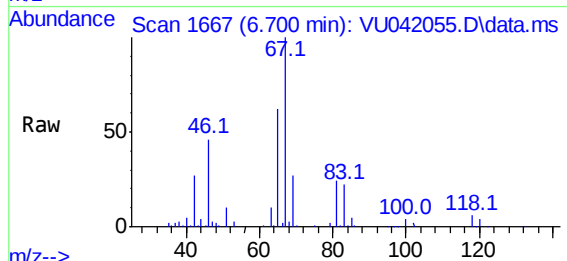




#37
1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.103 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

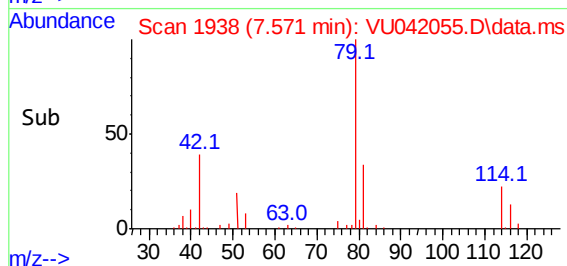
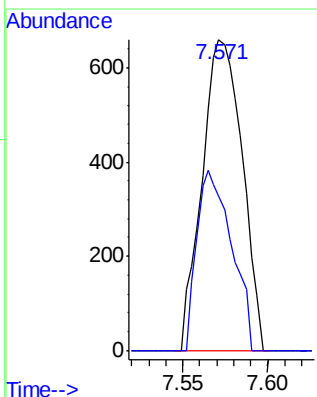
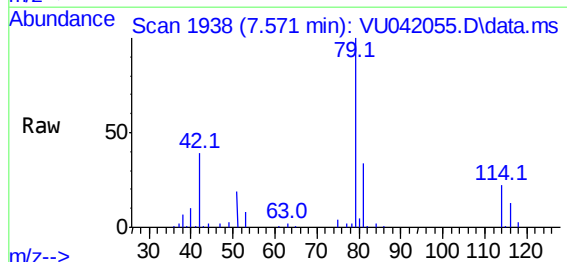
Instrument :
MSVOA_U
ClientSampled :
BFXP6

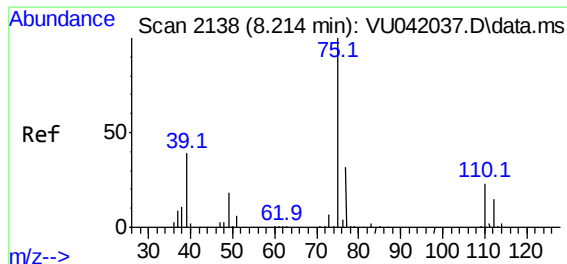
Tgt Ion: 63 Resp: 6201
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 75 Resp: 1084
Ion Ratio Lower Upper
75 100
77 49.8 21.9 40.7#



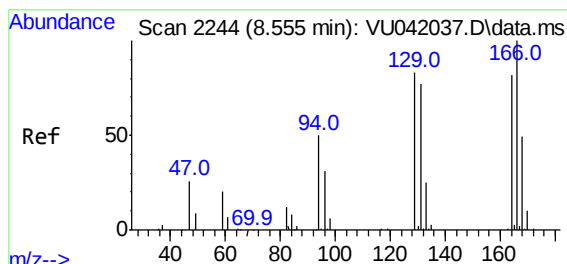
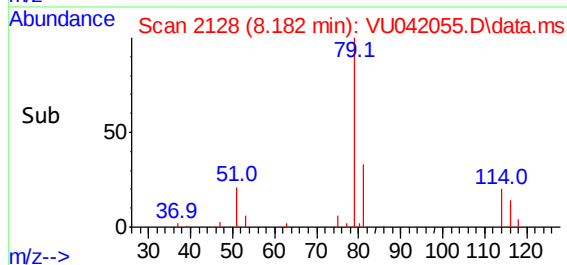
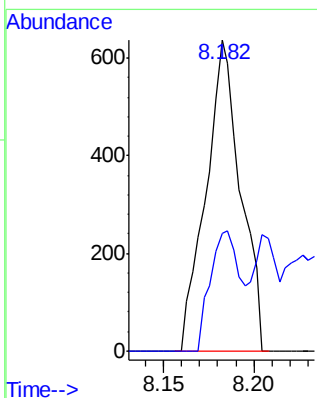
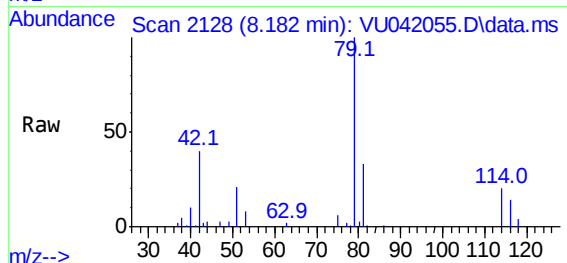


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Instrument :
MSVOA_U
ClientSampleId :
BFXP6

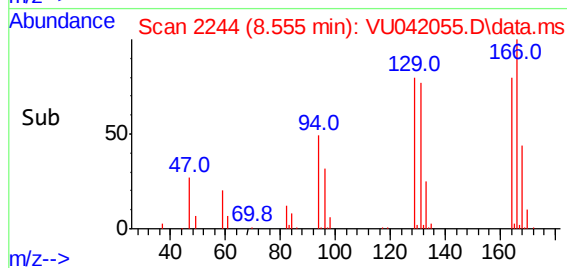
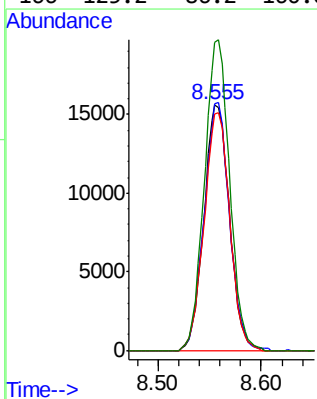
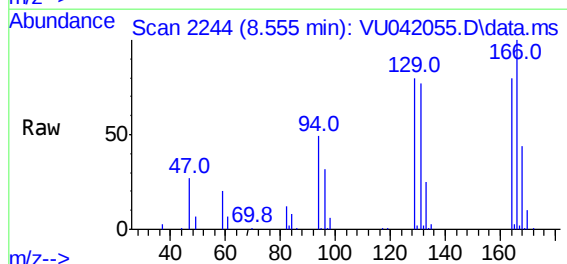
Tgt Ion: 75 Resp: 843
Ion Ratio Lower Upper
75 100
77 37.8 22.0 41.0

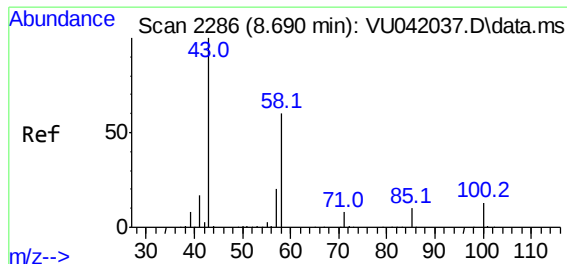


#47

Tetrachloroethene
Concen: 4.50 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

Tgt Ion: 164 Resp: 26789
Ion Ratio Lower Upper
164 100
129 100.2 68.7 127.5
131 96.3 65.2 121.0
166 125.2 86.2 160.0

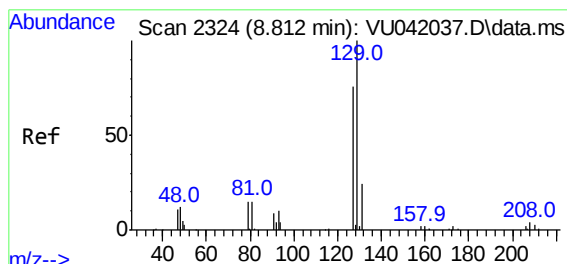
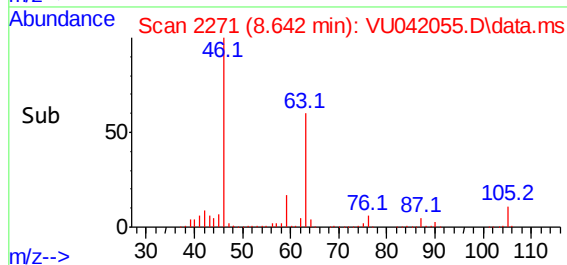
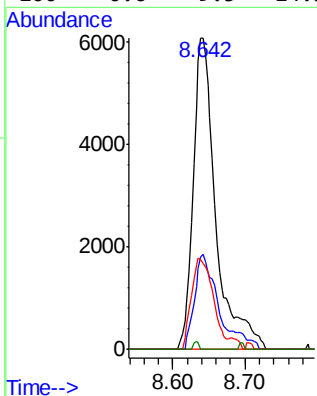
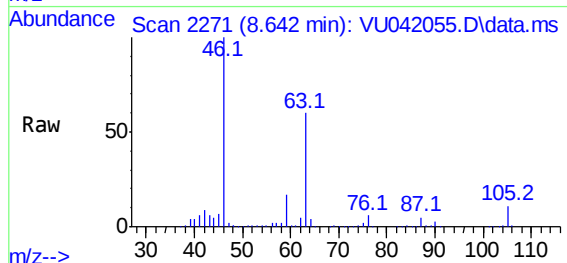




#48
2-Hexanone
Concen: 2.95 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

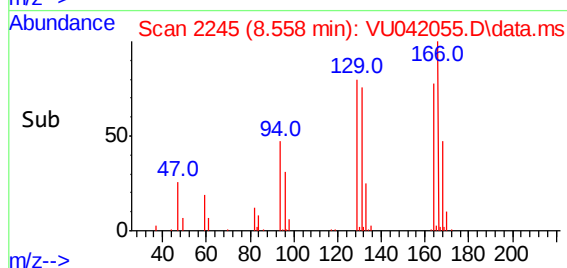
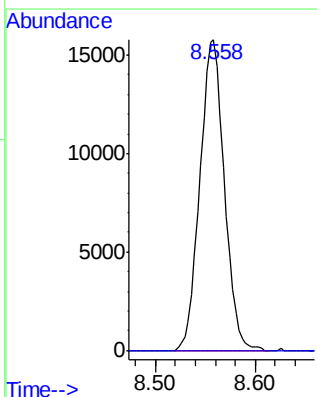
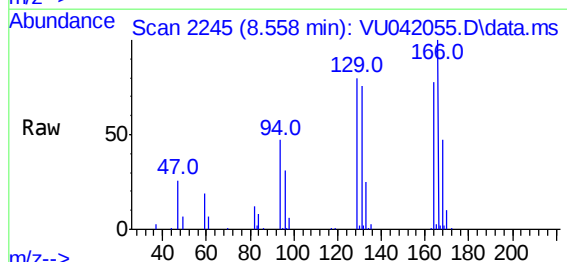
Instrument :
MSVOA_U
ClientSampleId :
BFXP6

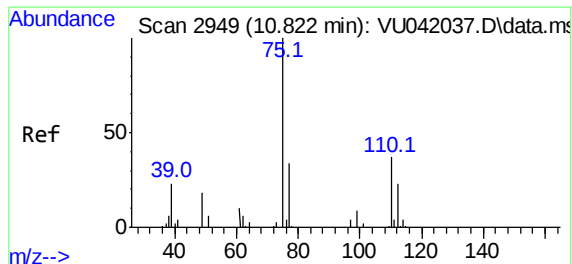
Tgt Ion:	43	Resp:	13151
Ion	Ratio	Lower	Upper
43	100		
58	32.4	47.8	71.8#
57	28.1	17.4	26.0#
100	0.6	9.5	14.3#



#49
Dibromochloromethane
Concen: 3.65 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU042055.D
Acq: 15 Jan 2021 00:49

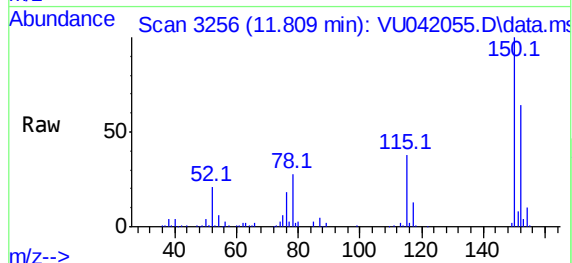
Tgt Ion:	129	Resp:	26838
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.7	99.7#





#59
 1,2,3-Trichloropropane
 Concen: 0.74 ug/L
 RT: 11.809 min Scan# 3256
 Delta R.T. 0.987 min
 Lab File: VU042055.D
 Acq: 15 Jan 2021 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP6



Tgt Ion: 75 Resp: 4641
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.6 38.4

