

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011521\
 Data File : VU042082.D
 Acq On : 15 Jan 2021 19:14
 Operator : SY/MD
 Sample : M1164-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP8

Quant Time: Jan 16 01:14:32 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	113342	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	111833	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	51155	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	35643	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.919	69	41749	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.578	63	63328	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.655	46	189030	65.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.72%#
24) Chloroform-d	5.080	84	94499	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.716	65	51006	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.742	84	161664	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.700	67	53785	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.903	98	131861	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloroprop...	8.186	79	21021	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.639	63	137439	56.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	51848	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	12.189	152	53029	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	85532	8.21	ug/L	98
9) Trichlorofluoromethane	2.141	101	1720	0.10	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	565	0.06	ug/L #	21
12) 1,1-Dichloroethene	2.591	96	8267	0.93	ug/L #	16
13) Acetone	2.665	43	1849	1.03	ug/L	82
17) Methyl tert-butyl Ether	3.379	73	8044	0.35	ug/L #	87
18) trans-1,2-Dichloroethene	3.369	96	2002	0.22	ug/L	87
19) 1,1-Dichloroethane	3.887	63	4219	0.24	ug/L	95
22) cis-1,2-Dichloroethene	4.684	96	35216	3.74	ug/L	91
25) Chloroform	5.105	83	3318	0.19	ug/L	86
27) 1,2-Dichloroethane	5.806	62	512	0.05	ug/L #	75
33) Benzene	5.790	78	2424	0.06	ug/L	100
34) Trichloroethene	6.552	95	583021	56.35	ug/L	98
35) Methylcyclohexane	6.703	83	12316	0.75	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	5805	0.54	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1305	0.08	ug/L	86
42) Toluene	7.977	91	3776	0.09	ug/L	98
44) trans-1,3-Dichloropropene	8.186	75	718	0.05	ug/L #	28
45) 1,1,2-Trichloroethane	8.555	97	678	0.09	ug/L #	1
47) Tetrachloroethene	8.559	164	87043	12.99	ug/L	97

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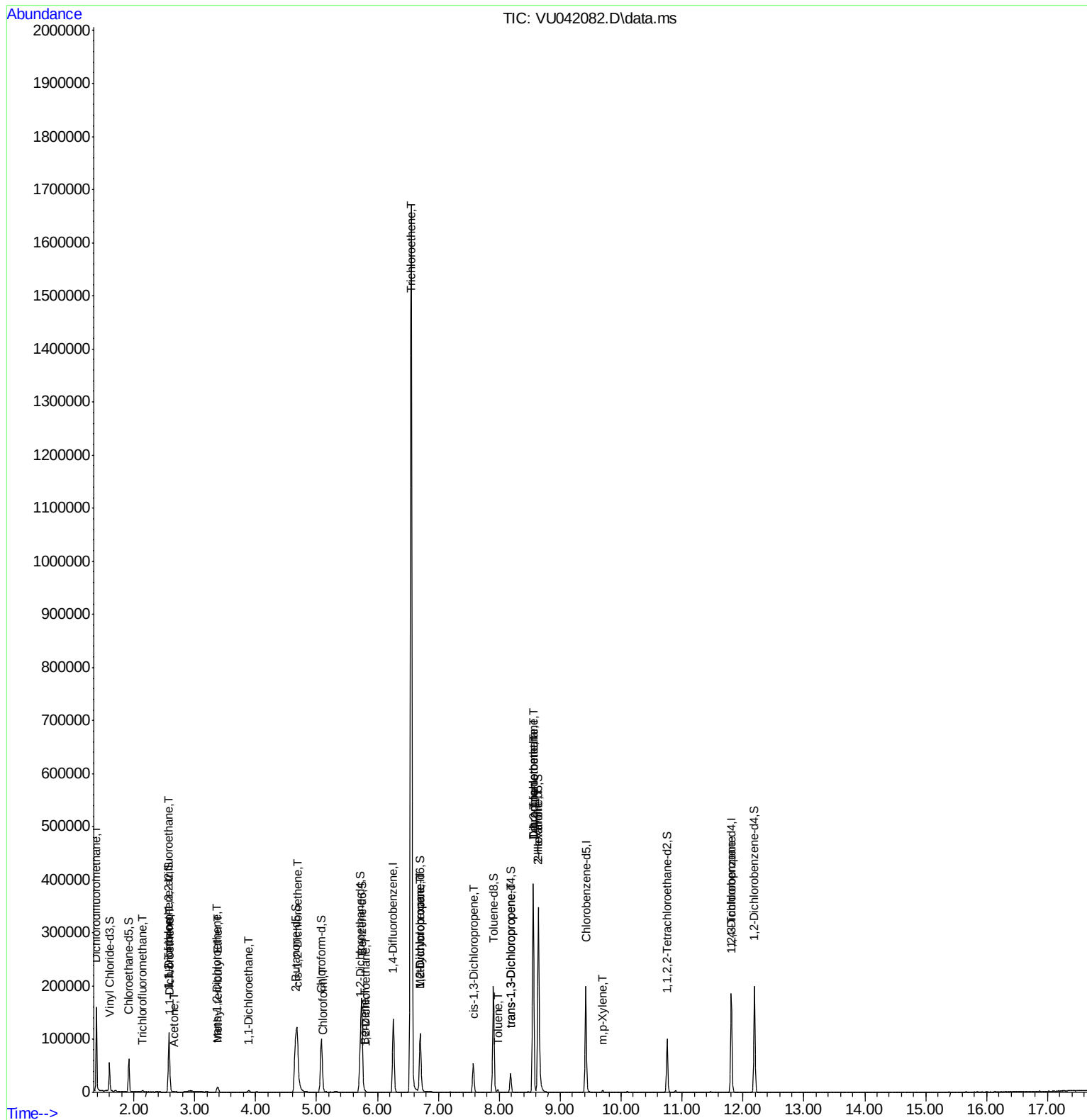
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.642	43	15497	3.09	ug/L #	68
49) Dibromochloromethane	8.555	129	86049	10.39	ug/L #	11
53) m,p-Xylene	9.697	106	1283	0.08	ug/L	86
59) 1,2,3-Trichloropropane	11.812	75	5562	0.79	ug/L	89

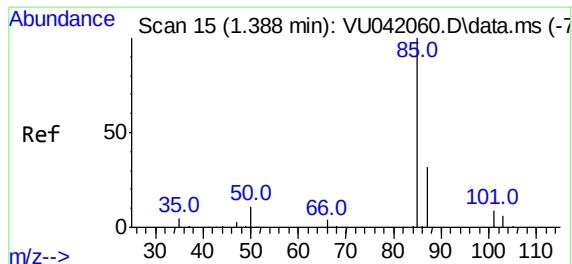
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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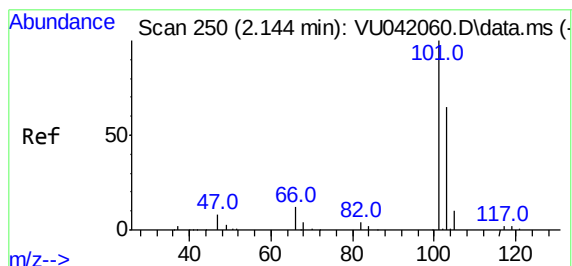
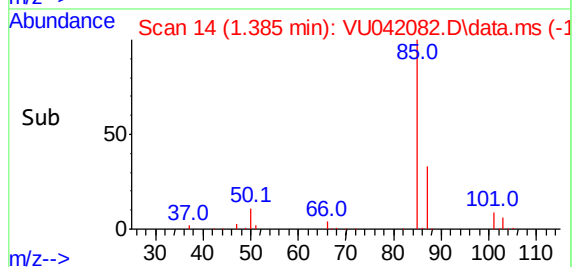
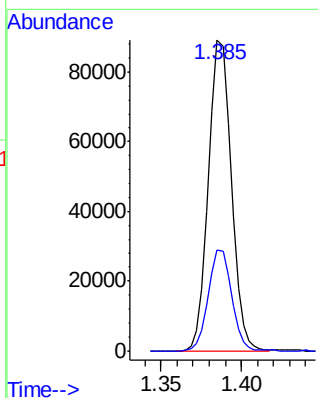
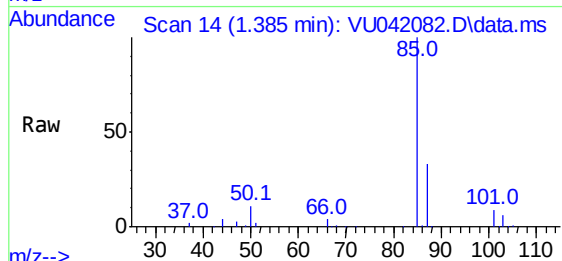




#2
Dichlorodifluoromethane
Concen: 8.21 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

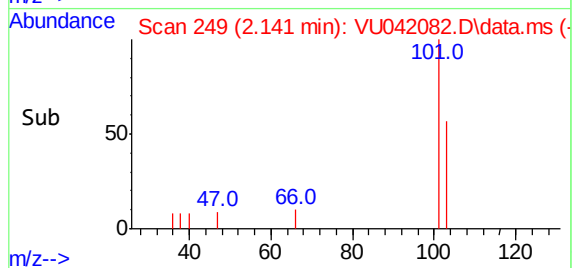
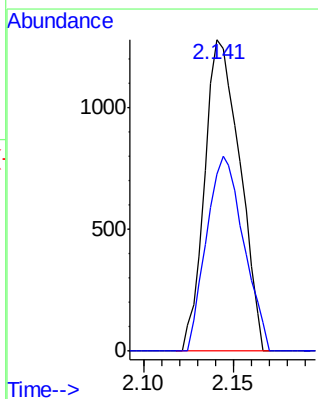
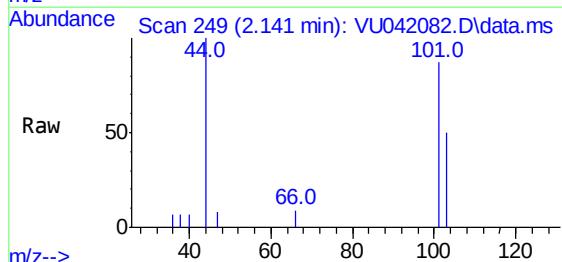
Instrument :
MSVOA_U
ClientSampleId :
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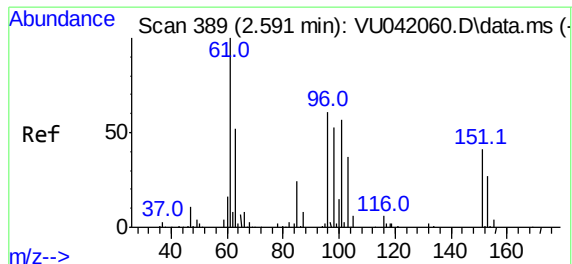
Tgt Ion: 85 Resp: 85532
Ion Ratio Lower Upper
85 100
87 33.0 25.7 38.5



#9
Trichlorofluoromethane
Concen: 0.10 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.003 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion:101 Resp: 1720
Ion Ratio Lower Upper
101 100
103 66.0 51.6 77.4

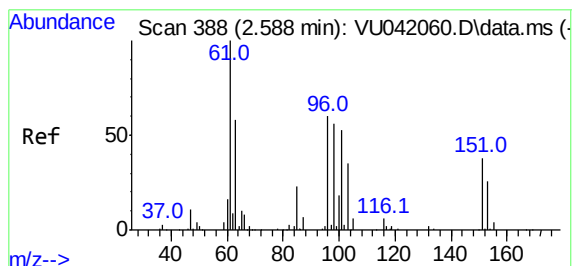
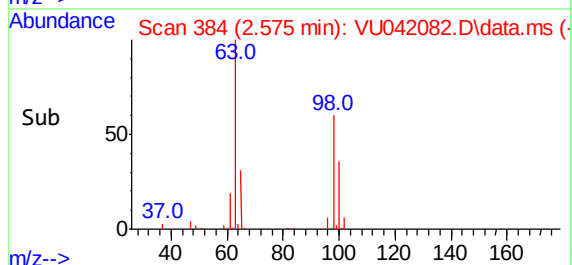
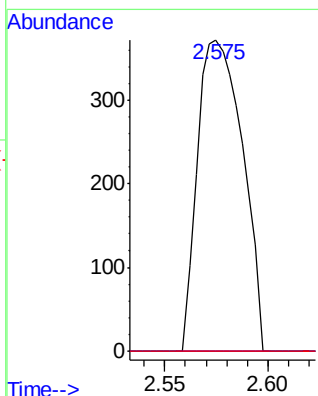
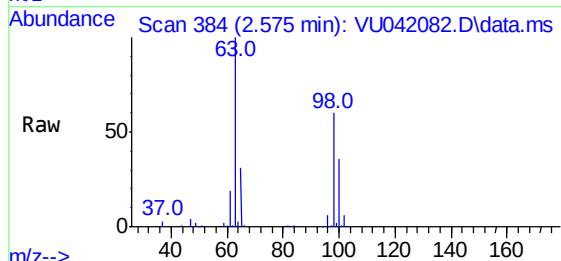




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.06 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.016 min
 Lab File: VU042082.D
 Acq: 15 Jan 2021 19:14

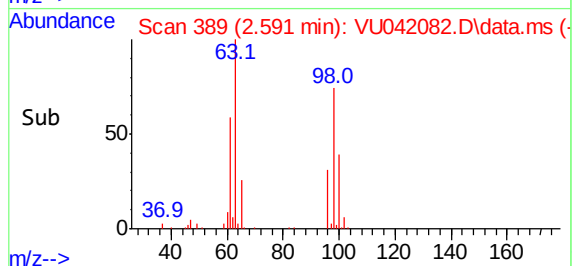
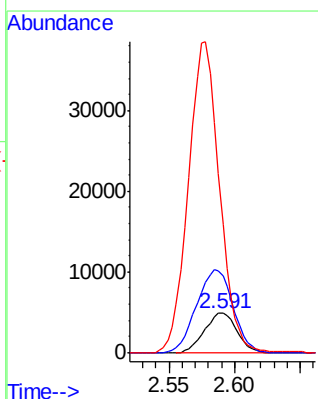
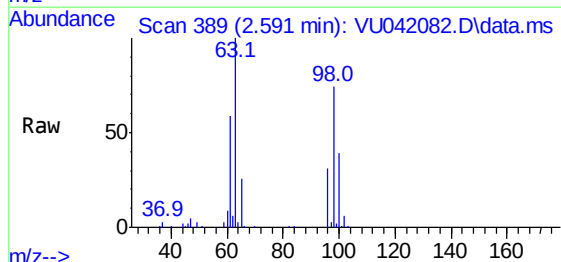
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 ClientSampleId :
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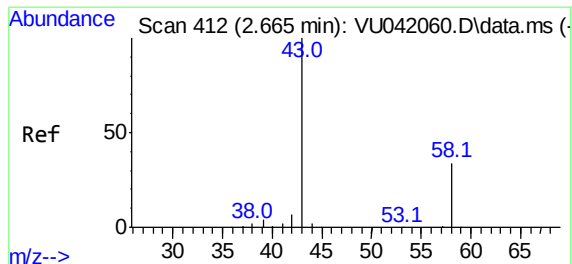
Tgt Ion:101 Resp: 565
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.9 53.9#
 151 0.0 55.4 83.2#



#12
 1,1-Dichloroethene
 Concen: 0.93 ug/L
 RT: 2.591 min Scan# 389
 Delta R.T. 0.003 min
 Lab File: VU042082.D
 Acq: 15 Jan 2021 19:14

Tgt Ion: 96 Resp: 8267
 Ion Ratio Lower Upper
 96 100
 61 193.5 122.2 226.9
 63 325.6 82.8 153.8#

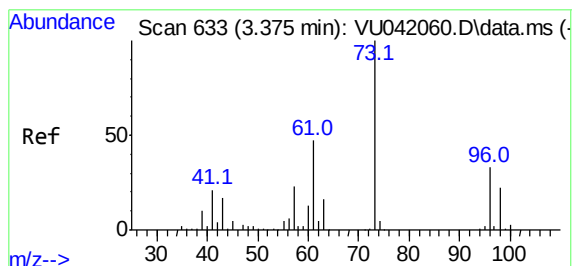
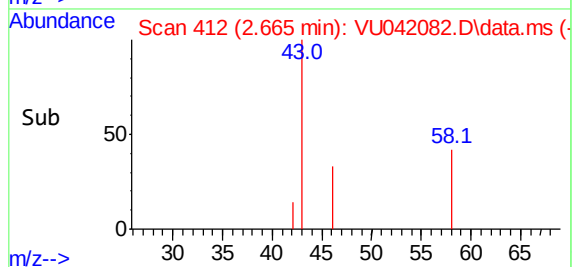
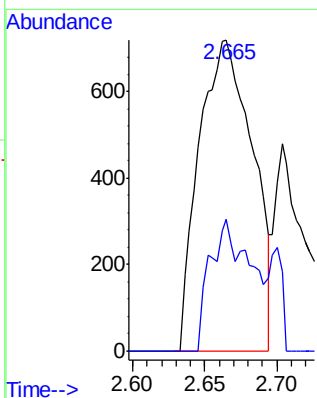
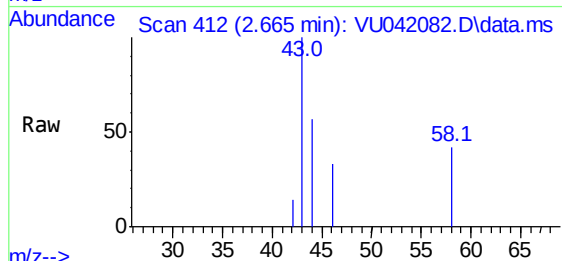




#13
Acetone
Concen: 1.03 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.000 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

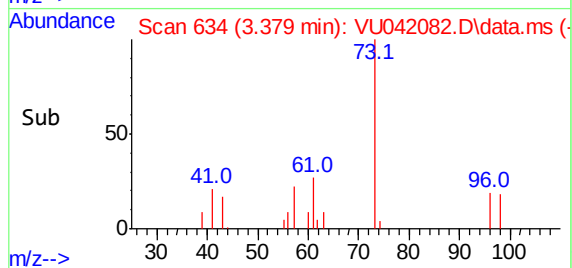
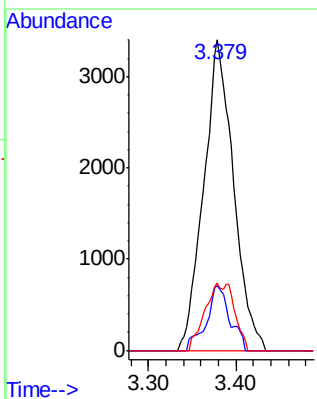
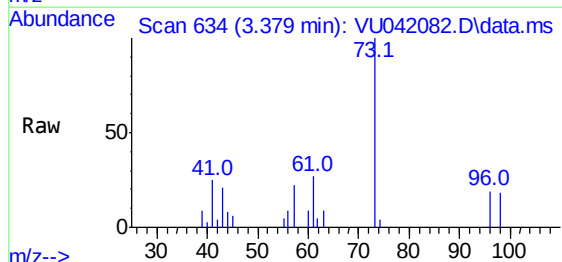
Instrument :
MSVOA_U
ClientSampled :
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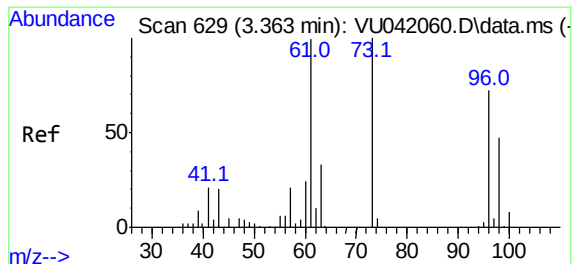
Tgt Ion: 43 Resp: 1849
Ion Ratio Lower Upper
43 100
58 19.0 0.0 57.4



#17
Methyl tert-butyl Ether
Concen: 0.35 ug/L
RT: 3.379 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 73 Resp: 8044
Ion Ratio Lower Upper
73 100
43 16.4 15.1 22.7
57 13.5 18.0 27.0#

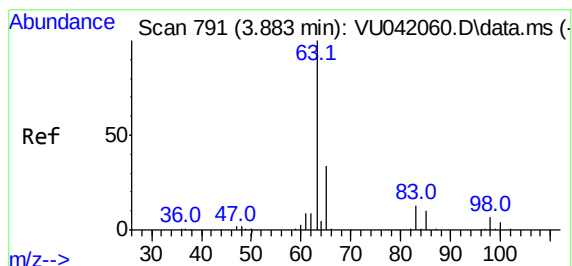
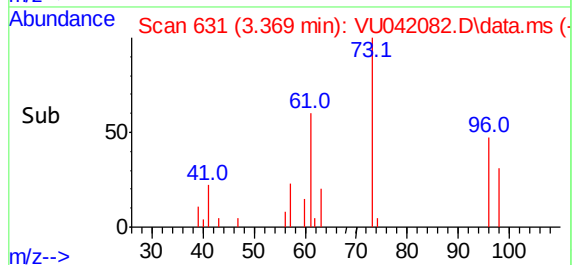
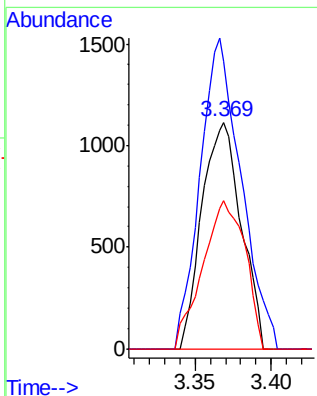
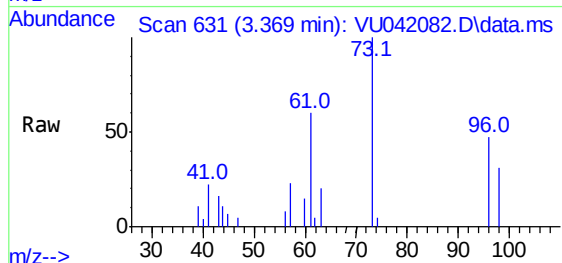




#18
trans-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.006 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

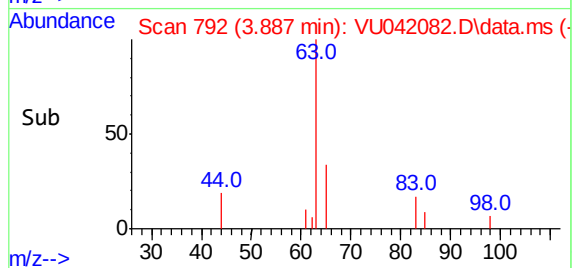
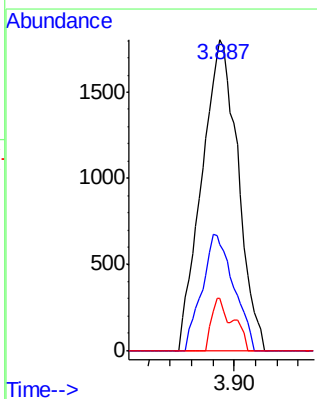
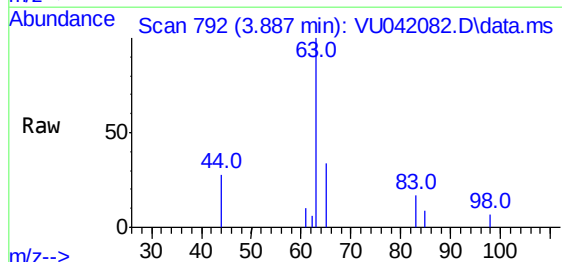
Instrument :
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ClientSampleId :
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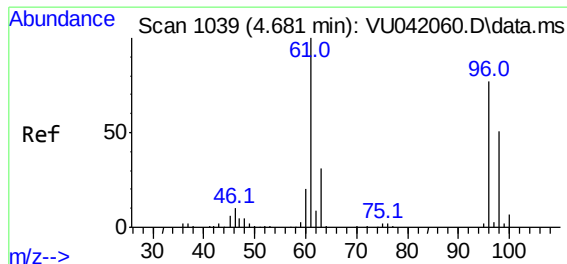
Tgt Ion: 96 Resp: 2002
Ion Ratio Lower Upper
96 100
61 126.8 103.2 191.6
98 65.3 43.8 81.3



#19
1,1-Dichloroethane
Concen: 0.24 ug/L
RT: 3.887 min Scan# 792
Delta R.T. 0.003 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 63 Resp: 4219
Ion Ratio Lower Upper
63 100
65 34.1 22.7 42.1
83 16.8 9.4 17.6



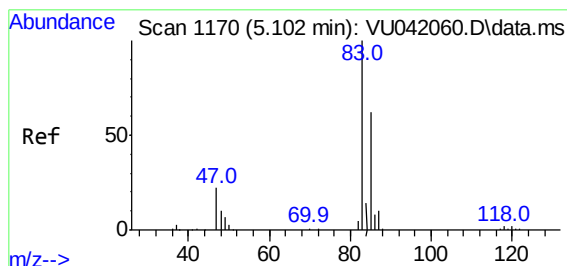
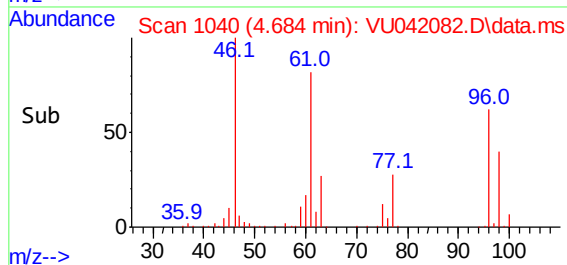
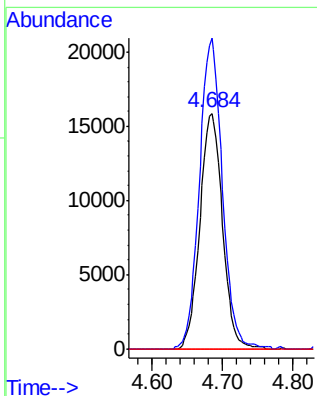
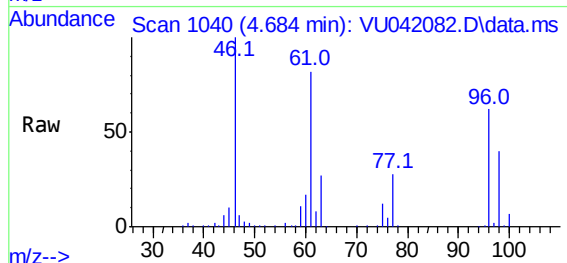


#22
 cis-1,2-Dichloroethene
 Concen: 3.74 ug/L
 RT: 4.684 min Scan# 1040
 Delta R.T. 0.003 min
 Lab File: VU042082.D
 Acq: 15 Jan 2021 19:14

Instrument :
 MSVOA_U
 ClientSampled :
 BFXP8

Tgt Ion: 96 Resp: 35216

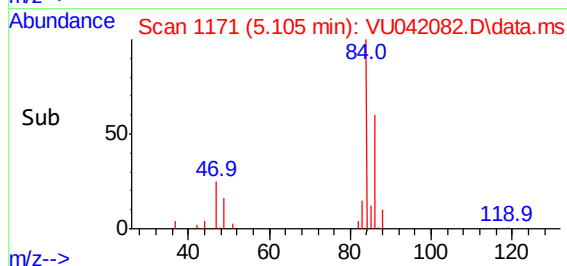
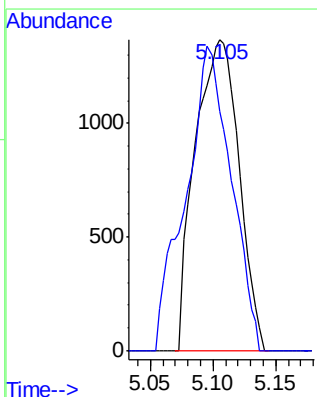
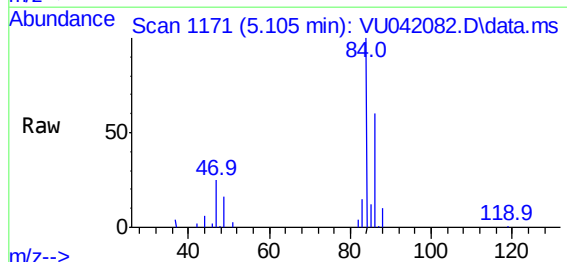
Ion	Ratio	Lower	Upper
96	100		
61	131.9	100.3	186.3
68	0.0	0.0	0.0

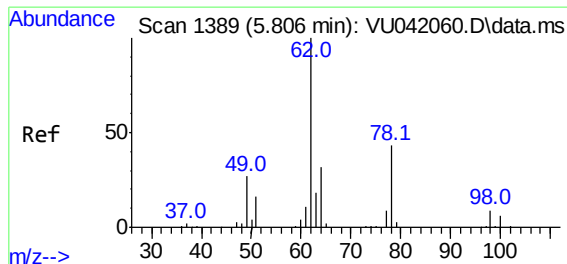


#25
 Chloroform
 Concen: 0.19 ug/L
 RT: 5.105 min Scan# 1171
 Delta R.T. 0.003 min
 Lab File: VU042082.D
 Acq: 15 Jan 2021 19:14

Tgt Ion: 83 Resp: 3318

Ion	Ratio	Lower	Upper
83	100		
85	76.9	46.1	85.7

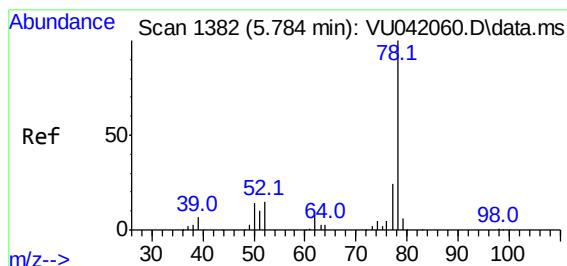
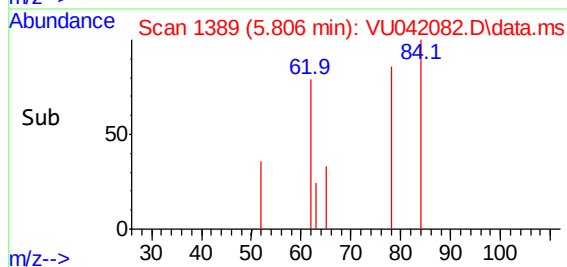
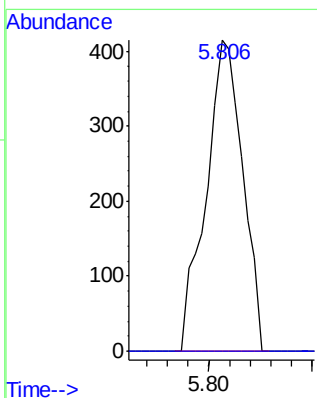
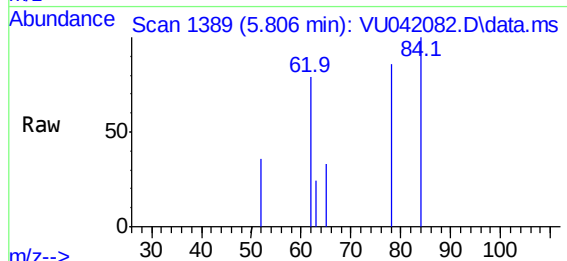




#27
1,2-Dichloroethane
Concen: 0.05 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

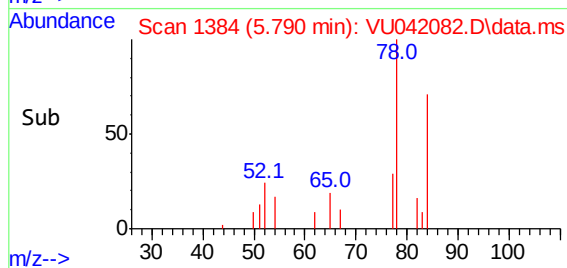
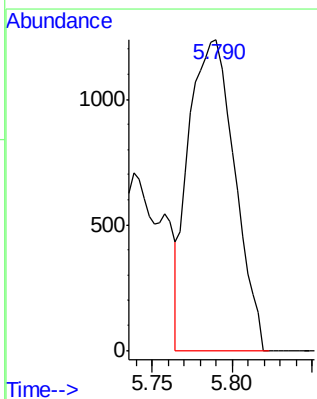
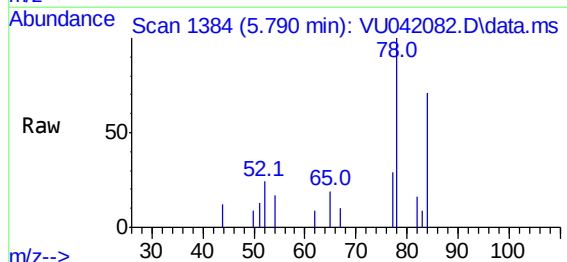
Instrument :
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ClientSampled :
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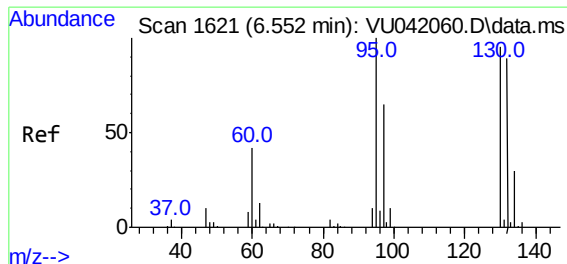
Tgt Ion: 62 Resp: 512
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#



#33
Benzene
Concen: 0.06 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 78 Resp: 2424



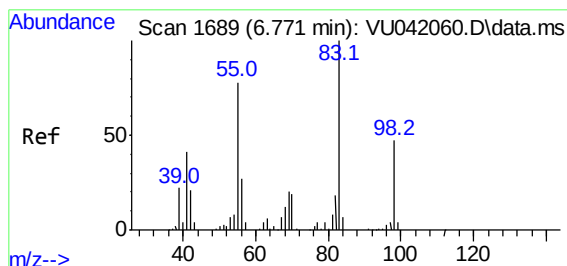
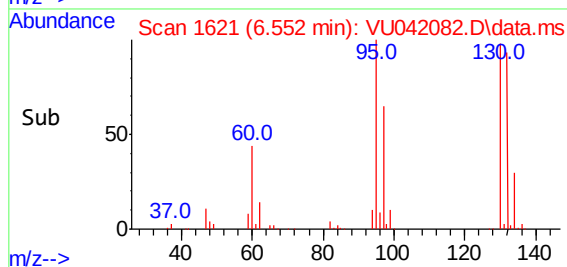
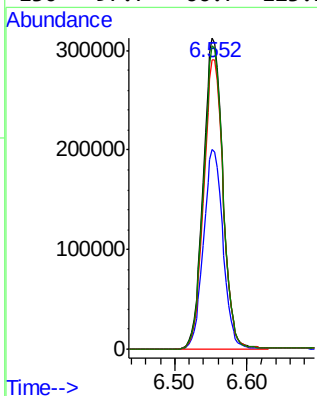
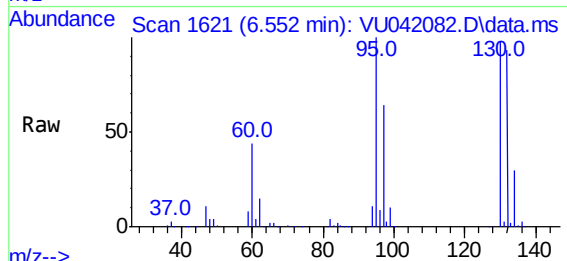


#34
Trichloroethene
Concen: 56.35 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Instrument :
MSVOA_U
ClientSampleId :
BFXP8

Tgt Ion: 95 Resp: 583021

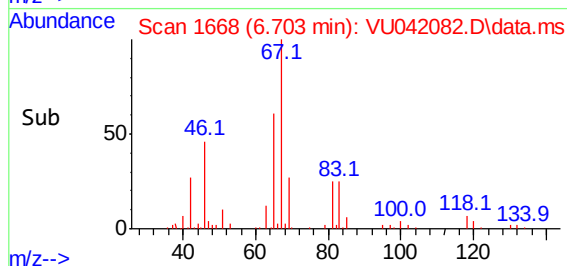
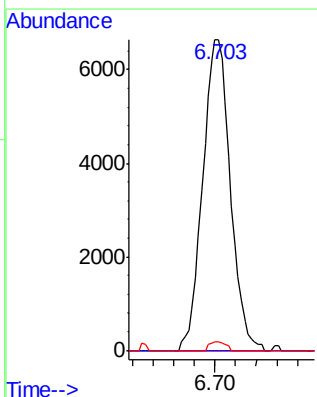
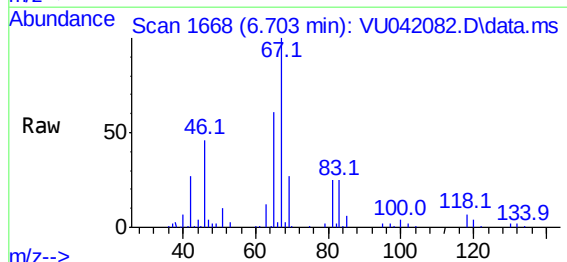
Ion	Ratio	Lower	Upper
95	100		
97	64.3	43.6	81.0
132	92.8	64.3	119.3
130	97.7	66.7	123.9

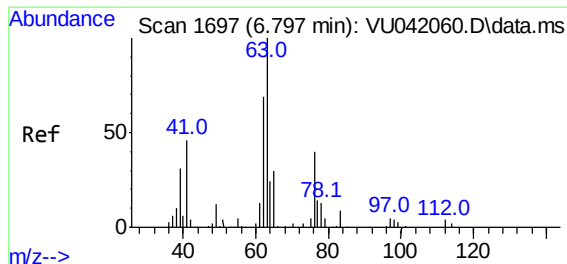


#35
Methylcyclohexane
Concen: 0.75 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.067 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 83 Resp: 12316

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

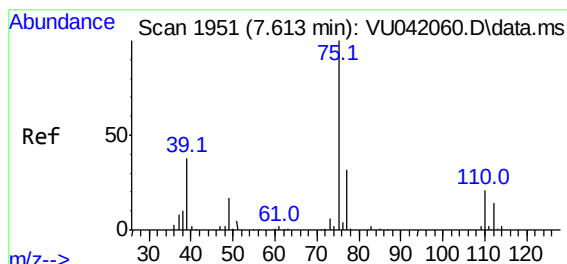
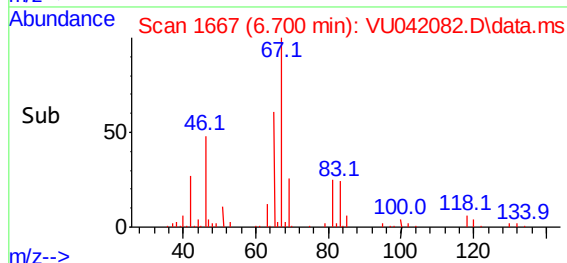
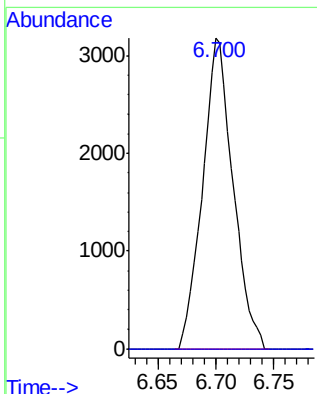
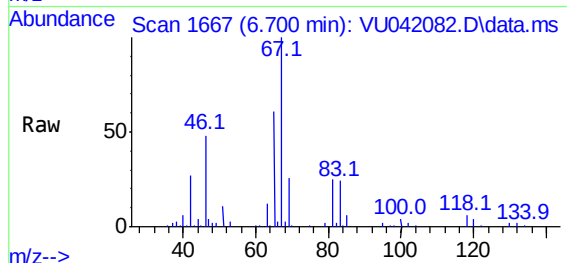




#37
1,2-Dichloropropane
Concen: 0.54 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.096 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

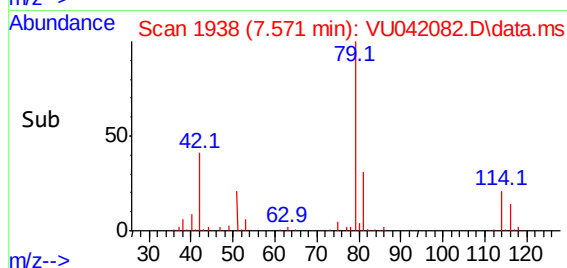
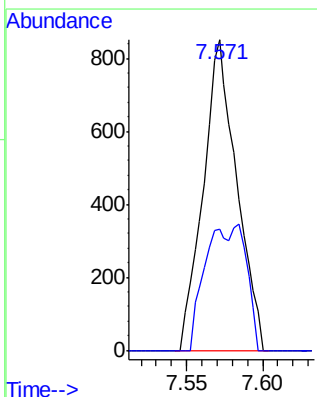
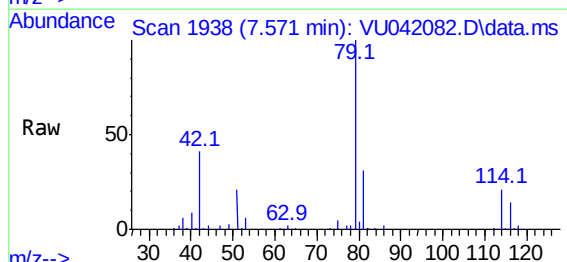
Instrument :
MSVOA_U
ClientSampled :
BFXP8

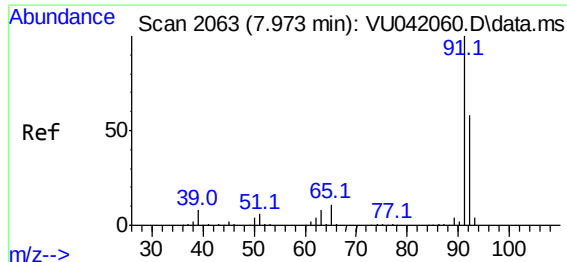
Tgt Ion: 63 Resp: 5805
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 75 Resp: 1305
Ion Ratio Lower Upper
75 100
77 39.0 21.9 40.7

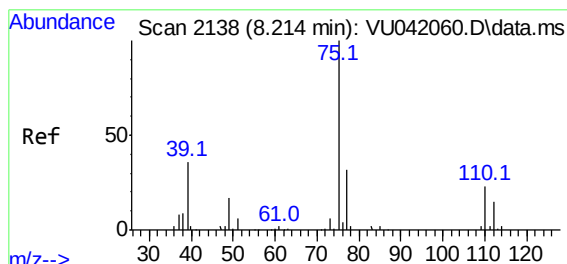
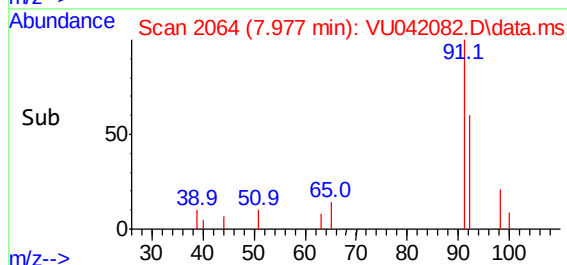
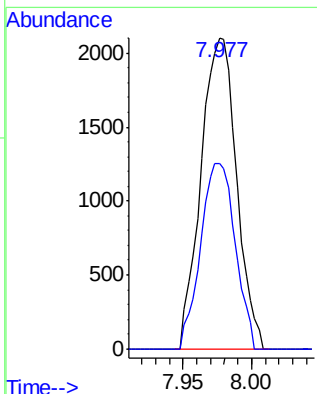
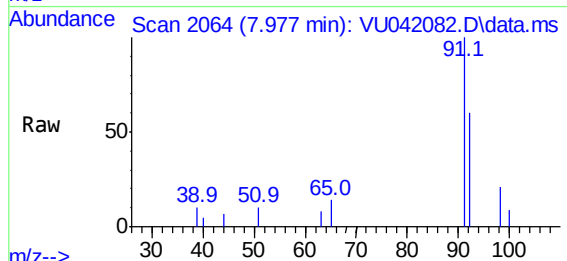




#42
Toluene
Concen: 0.09 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

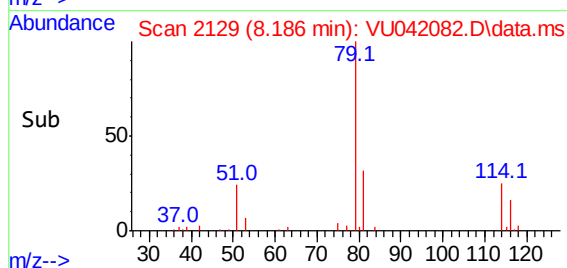
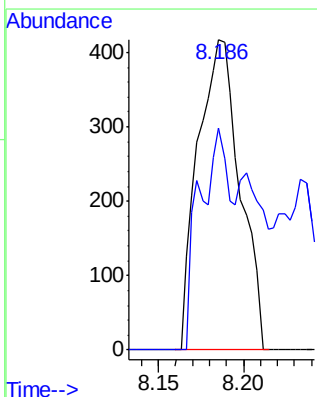
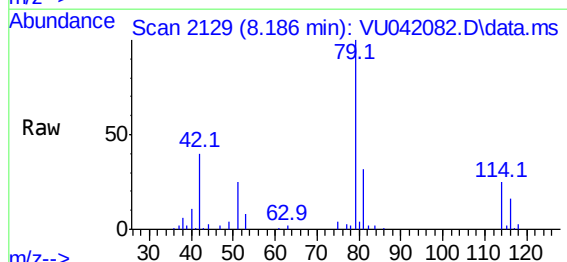
Instrument :
MSVOA_U
ClientSampled :
BFXP8

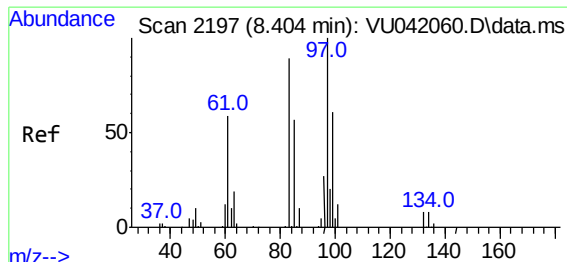
Tgt Ion: 91 Resp: 3776
Ion Ratio Lower Upper
91 100
92 59.8 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 0.05 ug/L
RT: 8.186 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 75 Resp: 718
Ion Ratio Lower Upper
75 100
77 71.5 22.0 41.0#

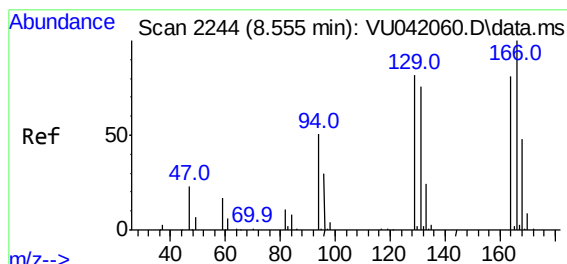
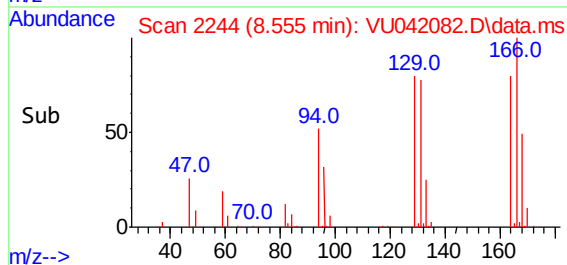
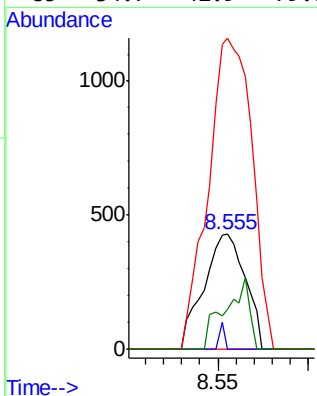
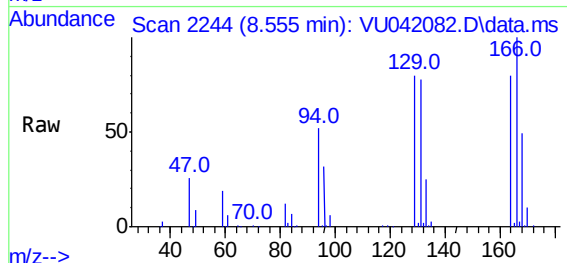




#45
1,1,2-Trichloroethane
Concen: 0.09 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

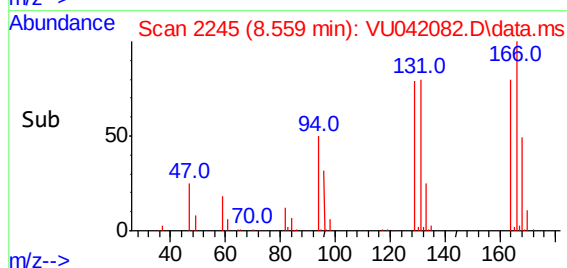
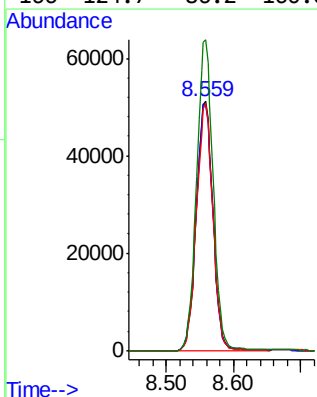
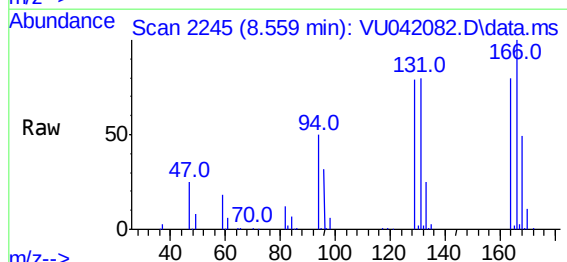
Instrument :
MSVOA_U
ClientSampled :
BFXP8

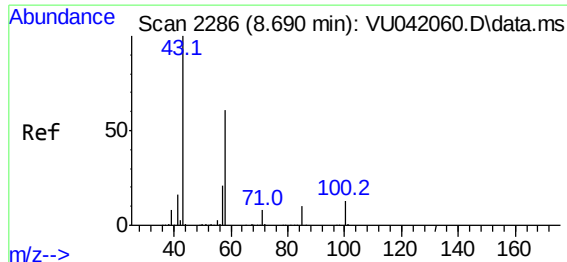
Tgt Ion: 97 Resp: 678
Ion Ratio Lower Upper
97 100
99 0.0 44.7 83.1#
83 271.7 61.6 114.4#
85 34.7 42.9 79.7#



#47
Tetrachloroethene
Concen: 12.99 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 164 Resp: 87043
Ion Ratio Lower Upper
164 100
129 98.4 68.7 127.5
131 99.2 65.2 121.0
166 124.7 86.2 160.0

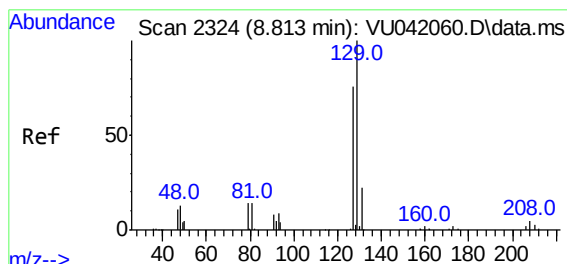
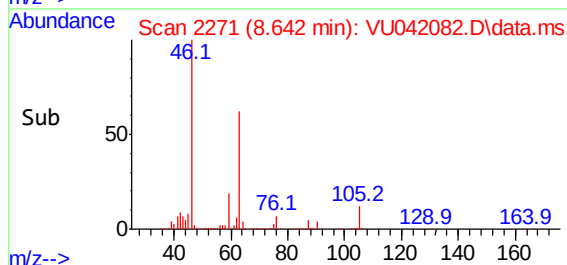
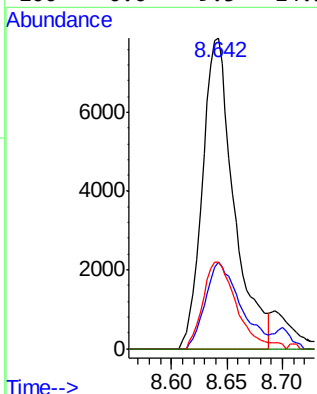
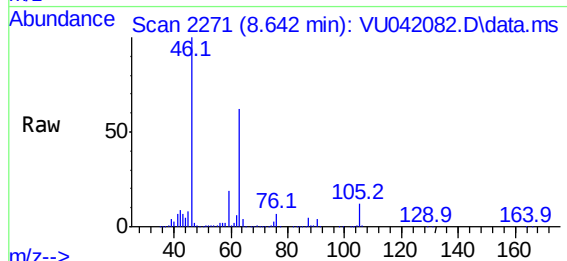




#48
2-Hexanone
Concen: 3.09 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

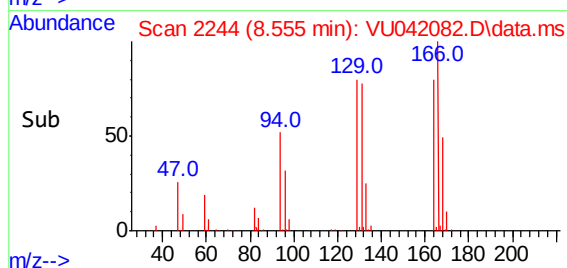
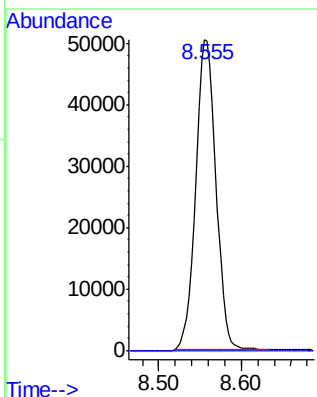
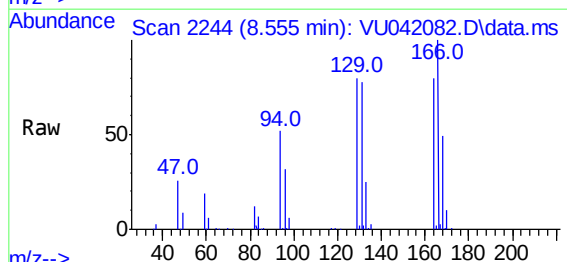
Instrument :
MSVOA_U
ClientSampleId :
BFXP8

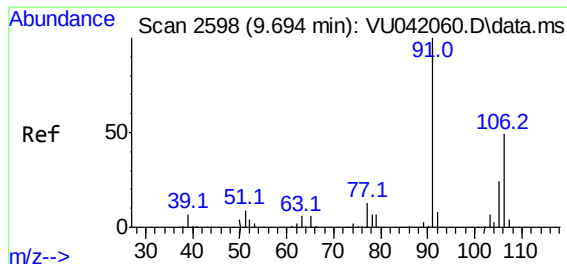
Tgt Ion: 43 Resp: 15497
Ion Ratio Lower Upper
43 100
58 31.2 47.8 71.8#
57 29.9 17.4 26.0#
100 0.0 9.5 14.3#



#49
Dibromochloromethane
Concen: 10.39 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 129 Resp: 86049
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#

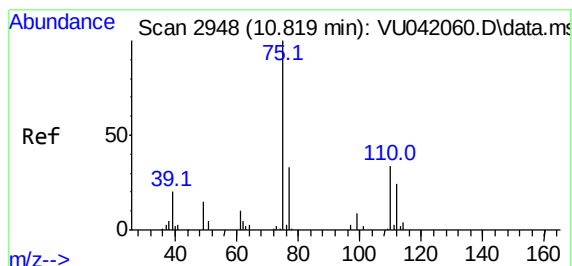
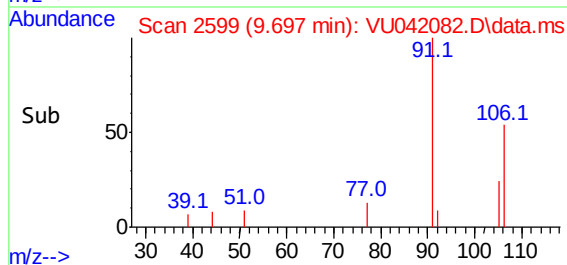
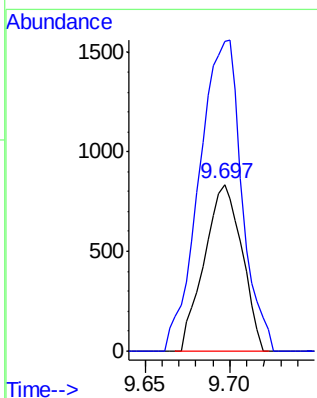
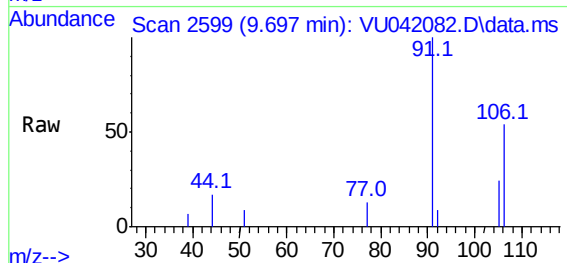




#53
m,p-Xylene
Concen: 0.08 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Instrument :
MSVOA_U
ClientSampled :
BFXP8

Tgt Ion:106 Resp: 1283
Ion Ratio Lower Upper
106 100
91 185.6 145.7 270.5



#59
1,2,3-Trichloropropane
Concen: 0.79 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.994 min
Lab File: VU042082.D
Acq: 15 Jan 2021 19:14

Tgt Ion: 75 Resp: 5562
Ion Ratio Lower Upper
75 100
77 38.0 25.6 38.4

