

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011421\
 Data File : VU042036.D
 Acq On : 14 Jan 2021 15:48
 Operator : SY/MD
 Sample : M1129-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT68

Quant Time: Jan 15 05:26:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 05:20:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	125442	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	114596	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	50714	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	38914	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.919	69	41818	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.572	63	60768	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.661	46	171978	54.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.28%
24) Chloroform-d	5.079	84	85592	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.716	65	49538	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.739	84	161899	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.703	67	53647	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.902	98	137307	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloroprop...	8.185	79	22582	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.642	63	136719	54.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.22%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	49426	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.188	152	50434	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%
Target Compounds						
3) Chloromethane	1.523	50	3787	0.26	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	536	0.05	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	531	0.05	ug/L #	1
13) Acetone	2.665	43	8820	4.44	ug/L	63
14) Carbon disulfide	2.803	76	4768	0.15	ug/L	95
15) Methyl Acetate	2.973	43	4297	0.89	ug/L #	86
17) Methyl tert-butyl Ether	3.379	73	10381	0.40	ug/L #	76
21) 2-Butanone	4.735	43	16462	5.20	ug/L	96
25) Chloroform	5.102	83	11870	0.61	ug/L	100
27) 1,2-Dichloroethane	5.742	62	835	0.07	ug/L #	75
33) Benzene	5.780	78	3093	0.07	ug/L	100
34) Trichloroethene	6.552	95	418551	39.48	ug/L	98
35) Methylcyclohexane	6.703	83	12274	0.73	ug/L #	16
37) 1,2-Dichloropropane	6.703	63	5731	0.52	ug/L #	93
38) Bromodichloromethane	7.115	83	7056	0.49	ug/L	99
39) cis-1,3-Dichloropropene	7.571	75	1325	0.08	ug/L #	71
42) Toluene	7.976	91	2748	0.06	ug/L	88
44) trans-1,3-Dichloropropene	8.185	75	997	0.07	ug/L #	49
47) Tetrachloroethene	8.555	164	9015	1.31	ug/L	98
49) Dibromochloromethane	8.812	129	3626	0.43	ug/L	96

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QLast Update : Fri Jan 15 05:20:45 2021
Response via : Initial Calibration

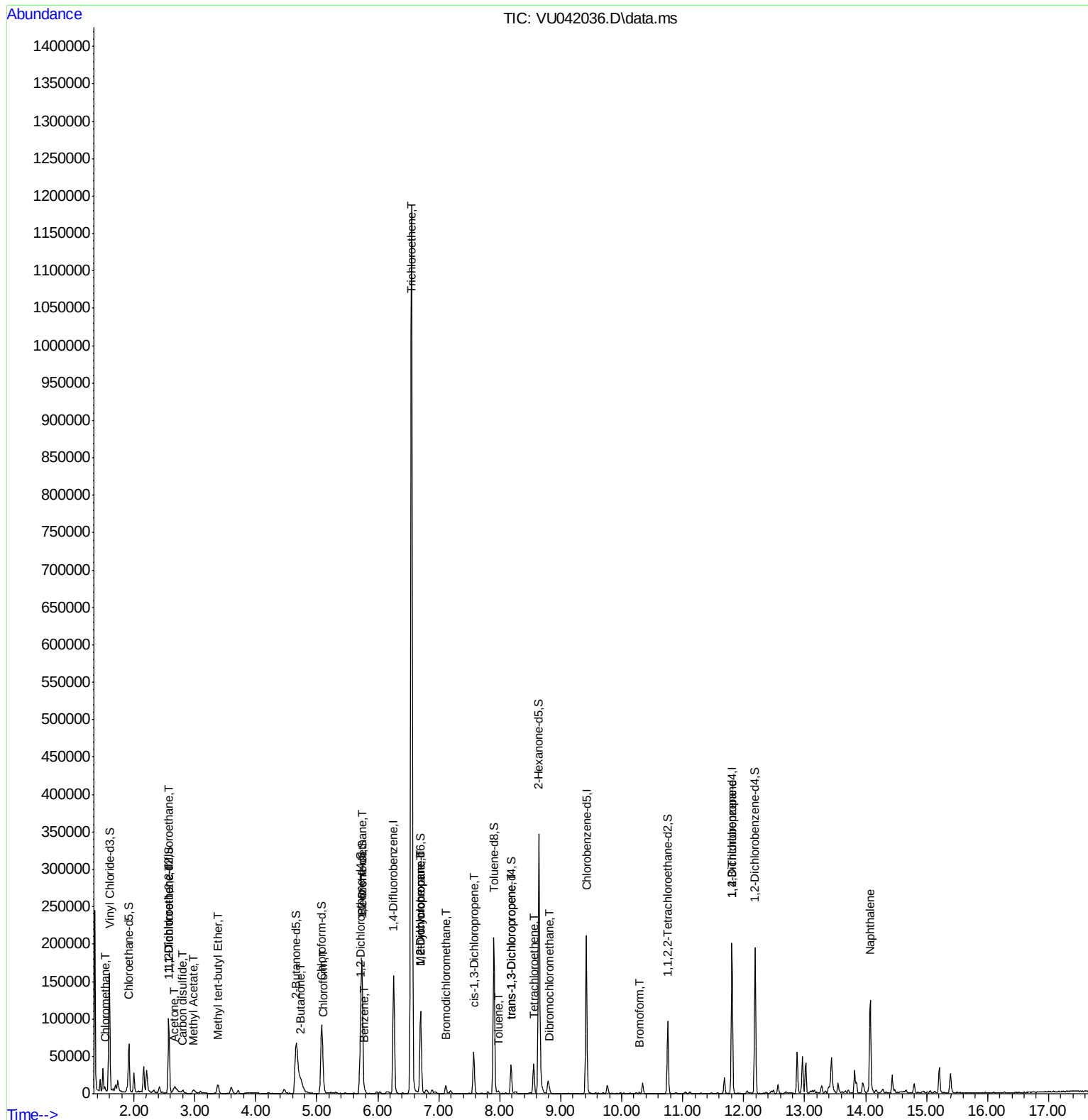
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
59)	1,2,3-Trichloropropane	11.809	75	6096	0.84 ug/L	91
61)	Bromoform	10.288	173	661	0.15 ug/L #	89
69)	Naphthalene	14.076	128	93129	5.86 ug/L	99

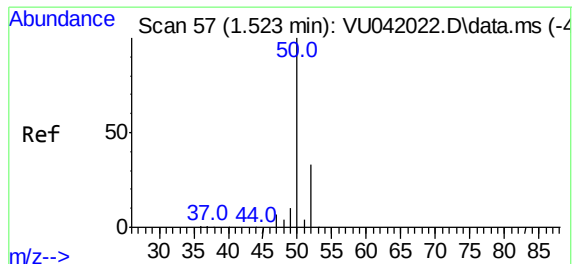
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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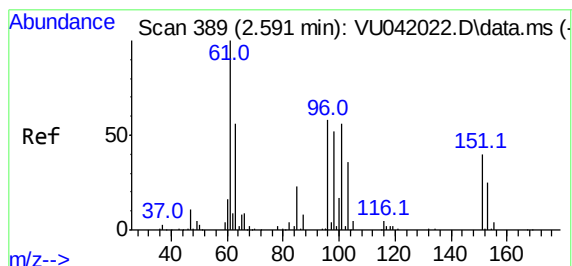
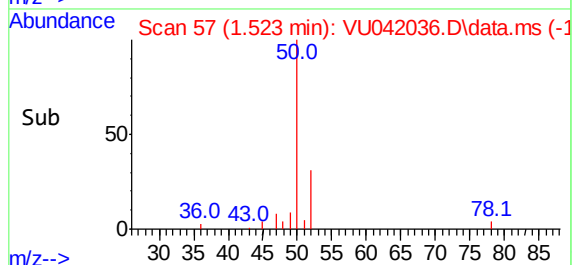
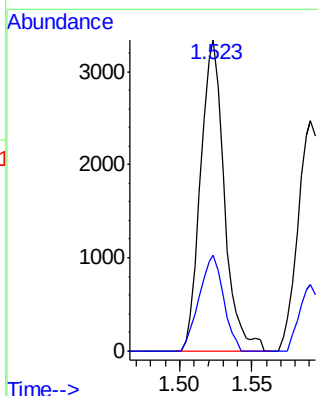
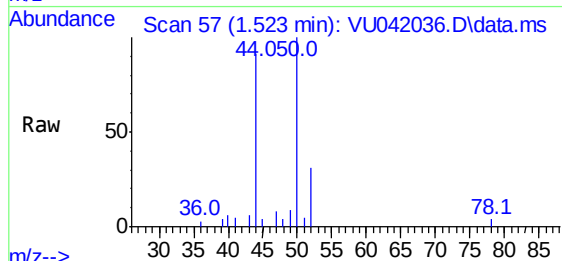




#3
Chloromethane
Concen: 0.26 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

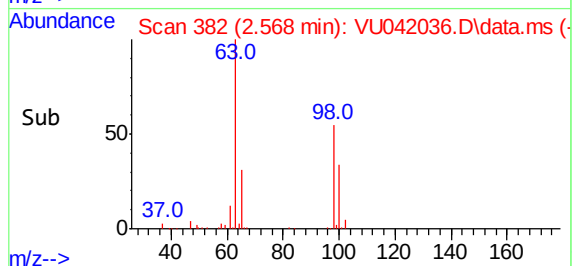
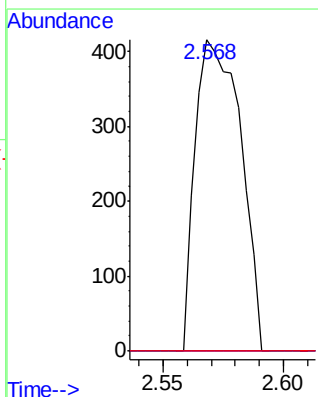
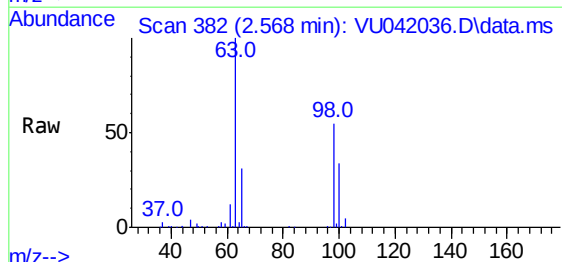
Instrument :
MSVOA_U
ClientSampled :
BFT68

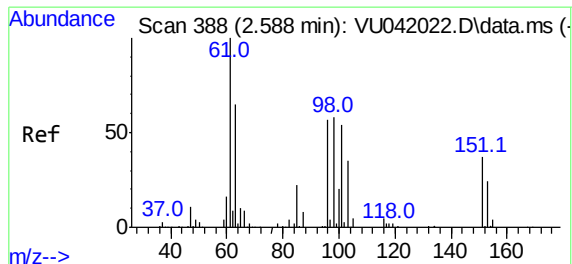
Tgt Ion: 50 Resp: 3787
Ion Ratio Lower Upper
50 100
52 30.7 23.5 43.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.022 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 101 Resp: 536
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 0.0 55.4 83.2#

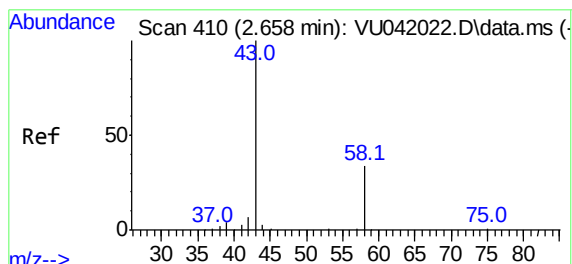
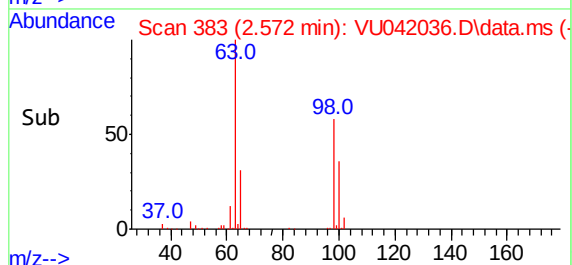
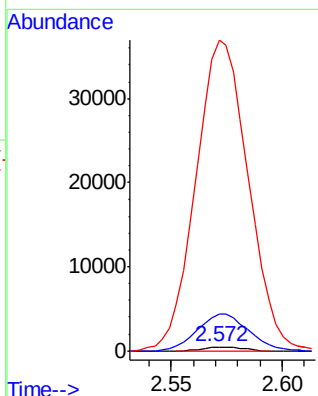
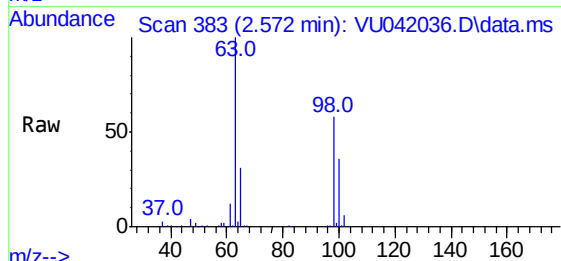




#12
1,1-Dichloroethene
Concen: 0.05 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

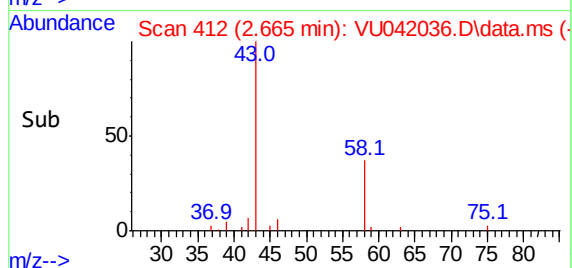
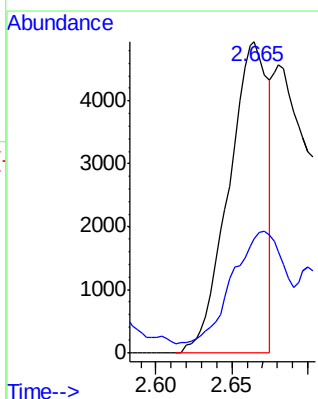
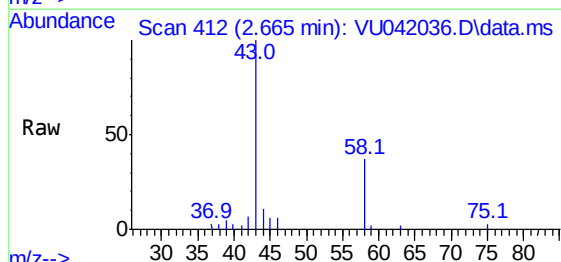
Instrument :
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ClientSampled :
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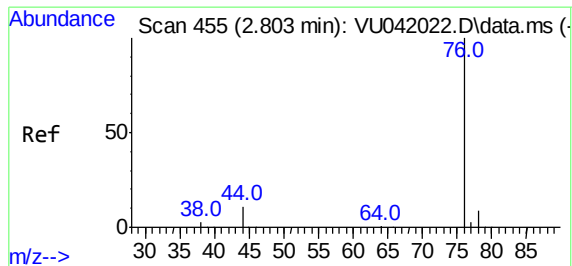
Tgt Ion: 96 Resp: 531
Ion Ratio Lower Upper
96 100
61 1023.3 122.2 226.9#
63 8715.1 82.8 153.8#



#13
Acetone
Concen: 4.44 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.007 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 43 Resp: 8820
Ion Ratio Lower Upper
43 100
58 48.3 0.0 57.4

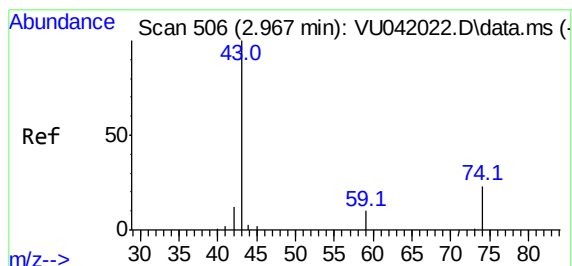
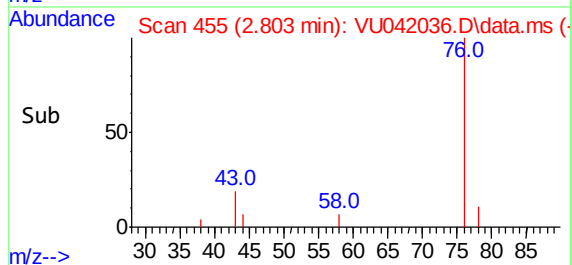
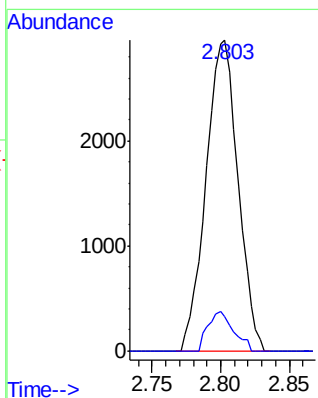
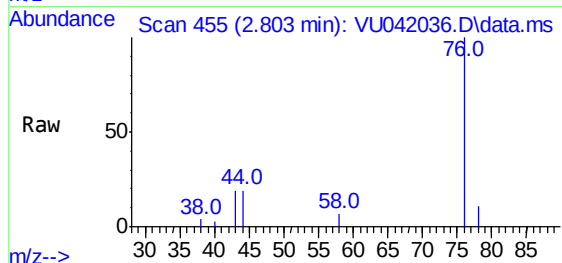




#14
Carbon disulfide
Concen: 0.15 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.000 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

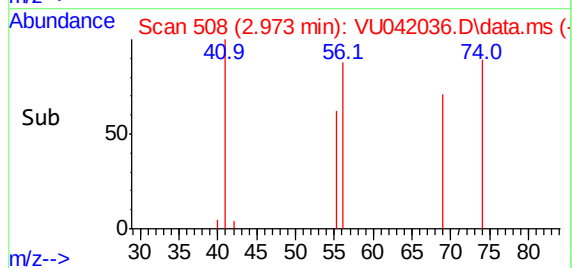
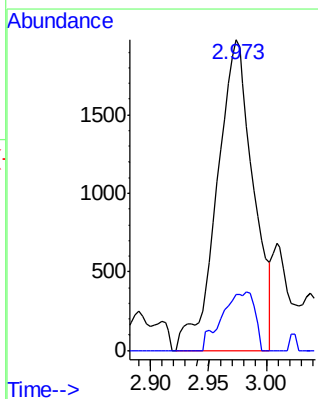
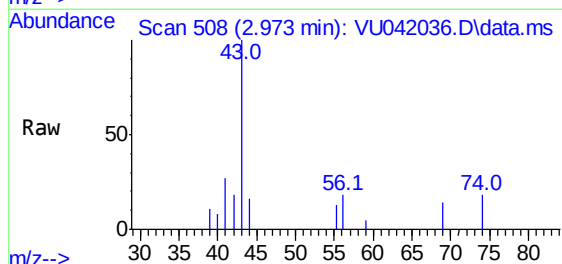
Instrument :
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ClientSampleId :
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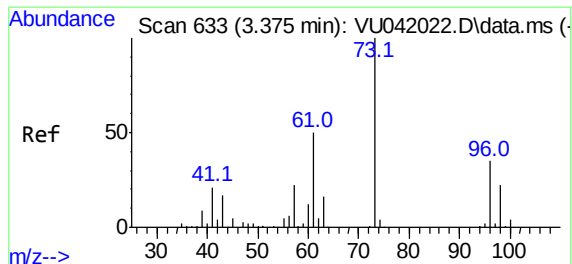
Tgt Ion: 76 Resp: 4768
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0



#15
Methyl Acetate
Concen: 0.89 ug/L
RT: 2.973 min Scan# 508
Delta R.T. 0.007 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 43 Resp: 4297
Ion Ratio Lower Upper
43 100
74 17.2 19.2 28.8#

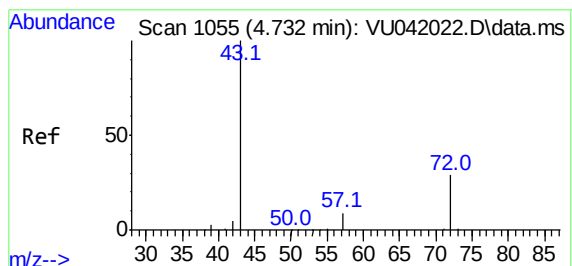
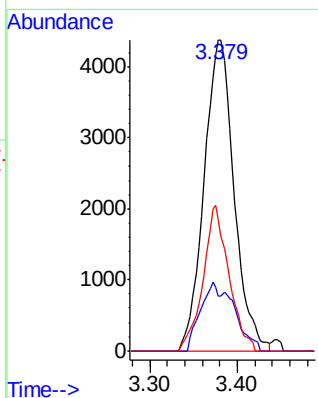
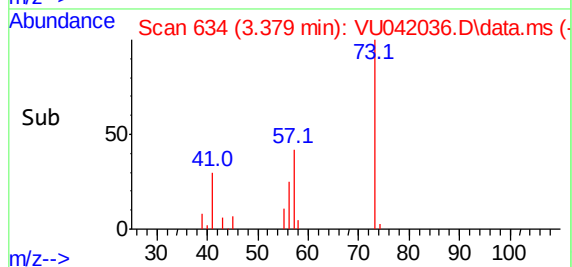
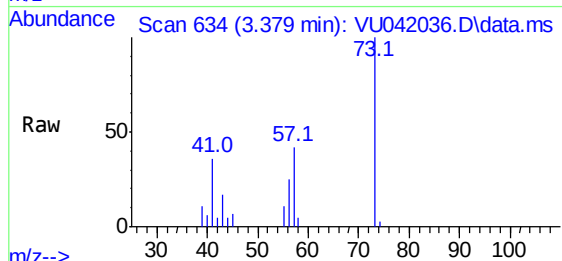




#17
Methyl tert-butyl Ether
Concen: 0.40 ug/L
RT: 3.379 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

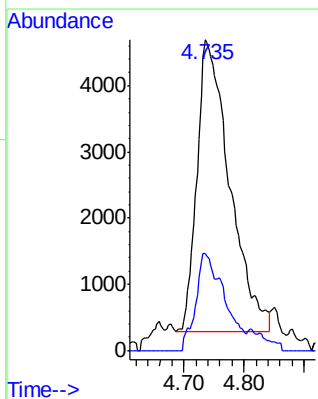
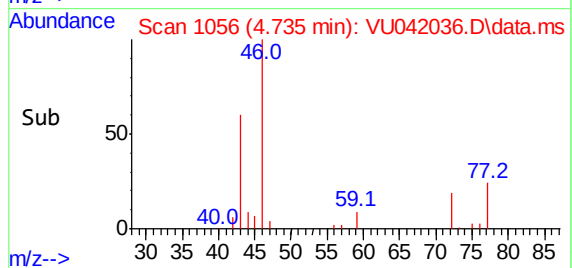
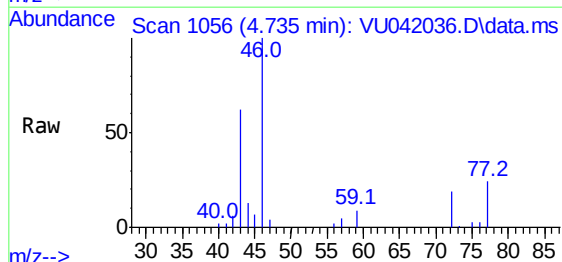
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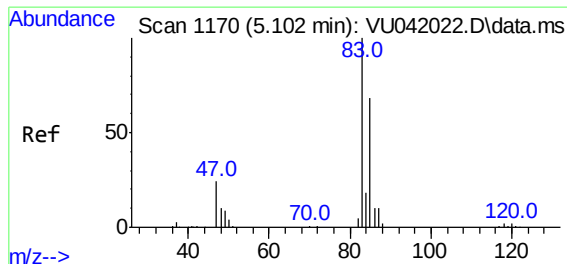
Tgt Ion: 73 Resp: 10381
Ion Ratio Lower Upper
73 100
43 14.5 15.1 22.7#
57 40.2 18.0 27.0#



#21
2-Butanone
Concen: 5.20 ug/L
RT: 4.735 min Scan# 1056
Delta R.T. 0.003 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 43 Resp: 16462
Ion Ratio Lower Upper
43 100
72 29.3 13.7 41.1

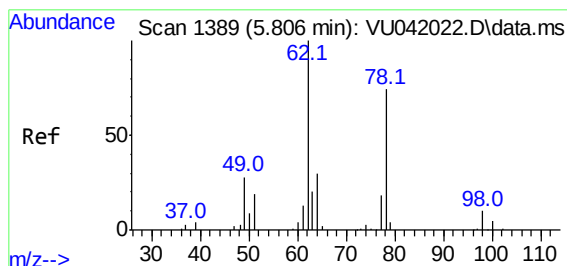
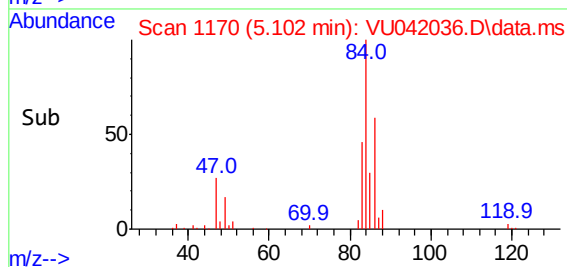
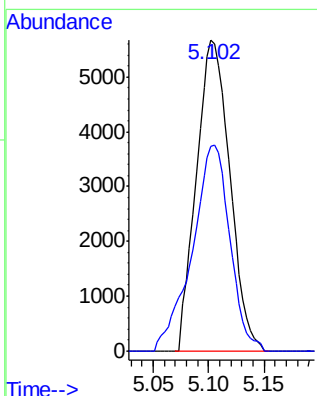
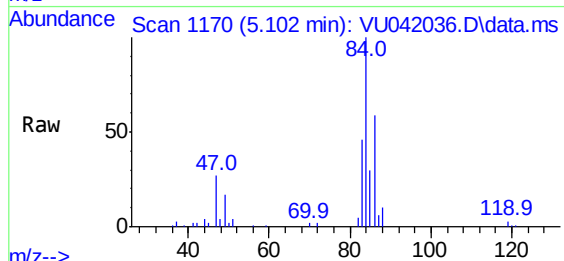




#25
Chloroform
Concen: 0.61 ug/L
RT: 5.102 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

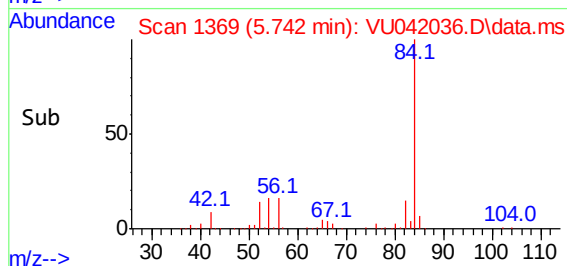
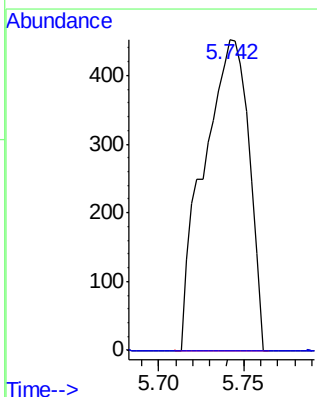
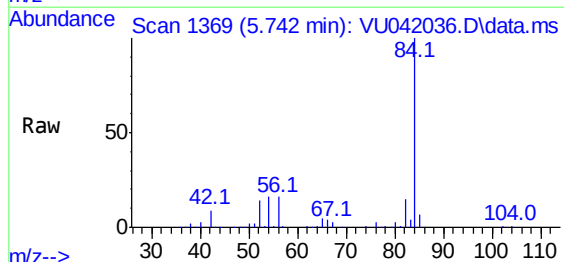
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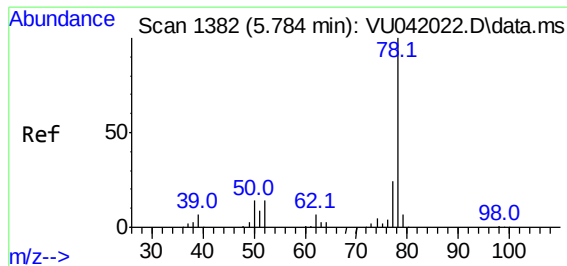
Tgt Ion: 83 Resp: 11870
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.742 min Scan# 1369
Delta R.T. -0.064 min
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Acq: 14 Jan 2021 15:48

Tgt Ion: 62 Resp: 835
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#

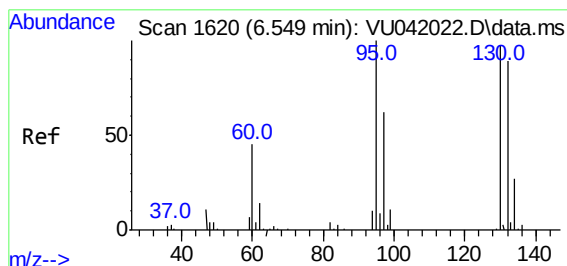
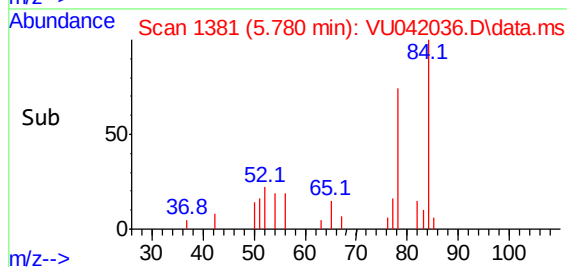
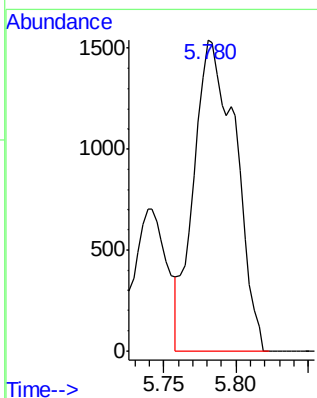
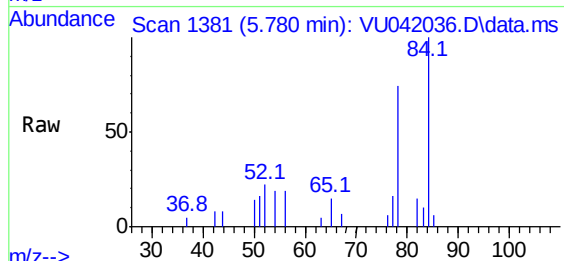




#33
Benzene
Concen: 0.07 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

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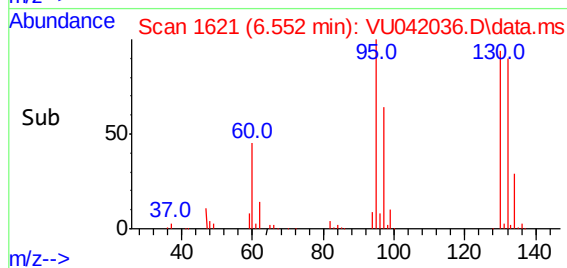
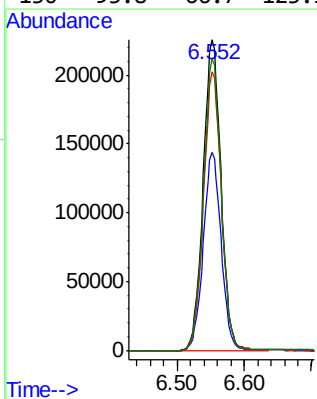
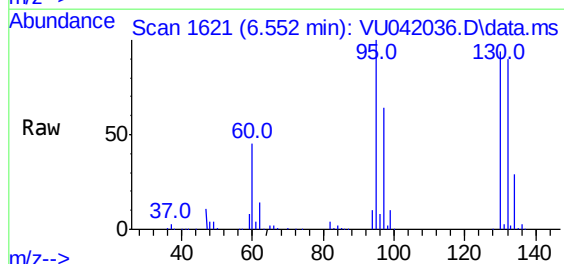
Tgt Ion: 78 Resp: 3093

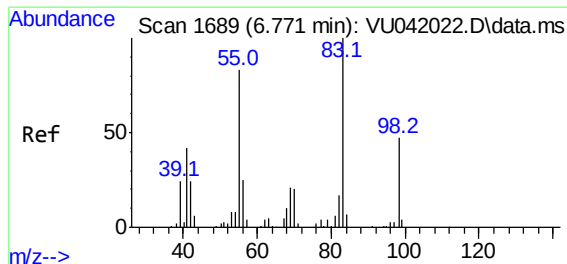


#34
Trichloroethene
Concen: 39.48 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 95 Resp: 418551

Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.6	81.0
132	89.7	64.3	119.3
130	93.8	66.7	123.9

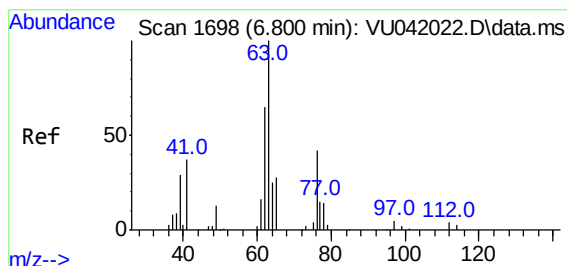
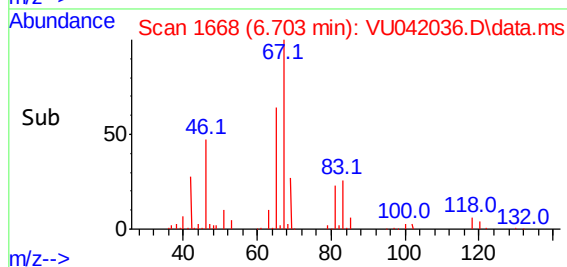
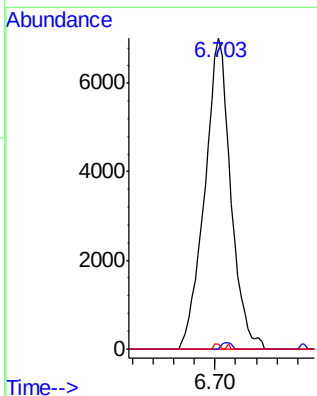
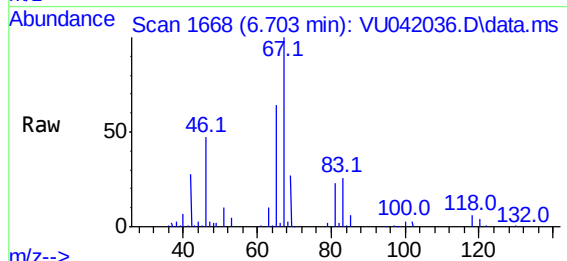




#35
Methylcyclohexane
Concen: 0.73 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.067 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

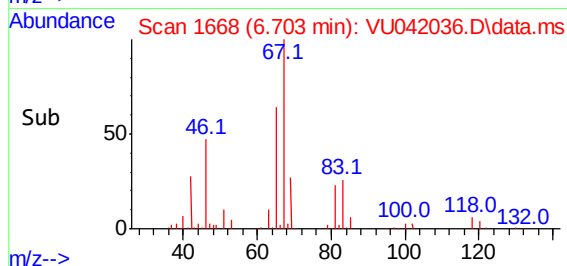
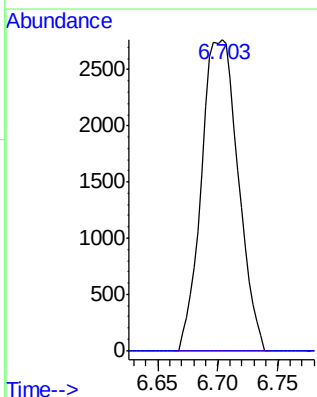
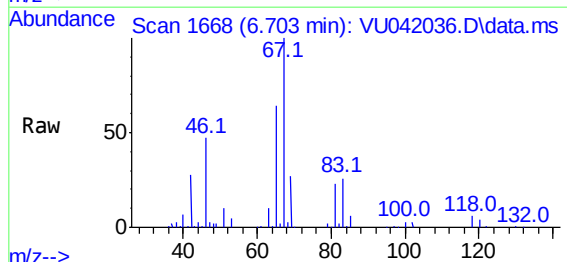
Instrument :
MSVOA_U
ClientSampled :
BFT68

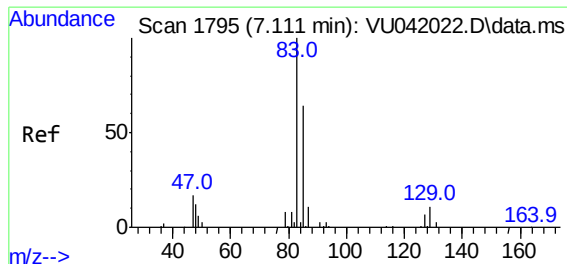
Tgt Ion: 83 Resp: 12274
Ion Ratio Lower Upper
83 100
55 0.8 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.52 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.096 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 63 Resp: 5731
Ion Ratio Lower Upper
63 100
112 1.1 2.7 4.1#

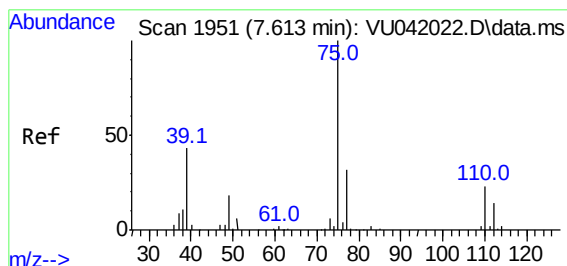
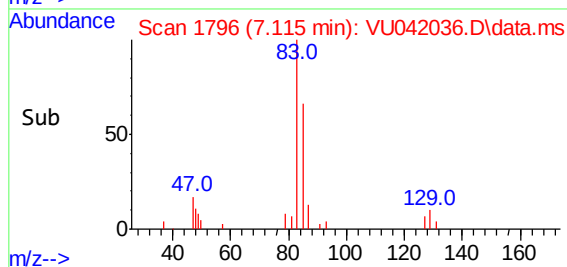
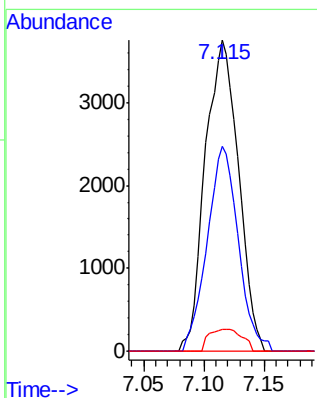
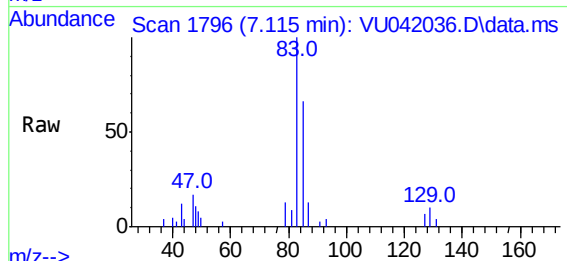




#38
Bromodichloromethane
Concen: 0.49 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

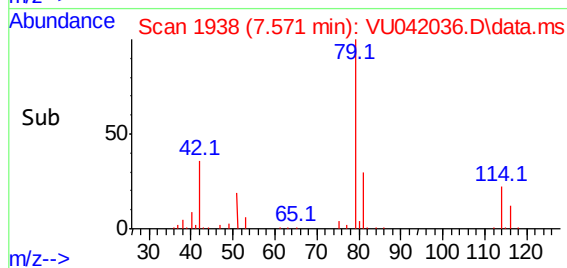
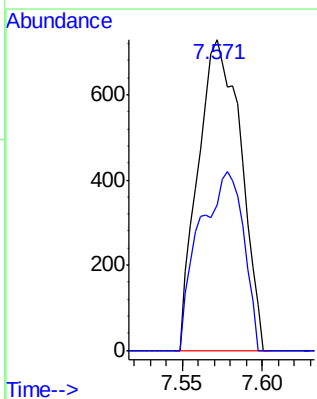
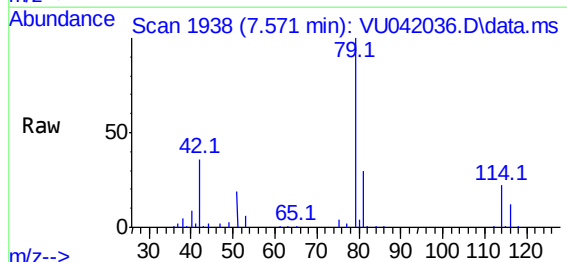
Instrument :
MSVOA_U
ClientSampled :
BFT68

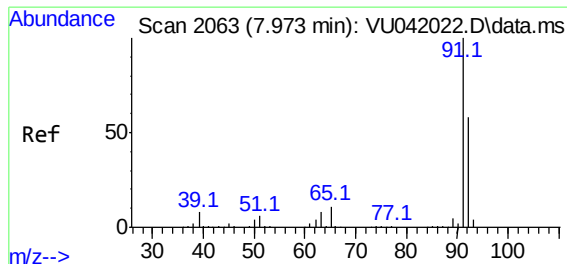
Tgt Ion: 83 Resp: 7056
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.0
127 6.7 6.1 9.1



#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 75 Resp: 1325
Ion Ratio Lower Upper
75 100
77 47.1 21.9 40.7#

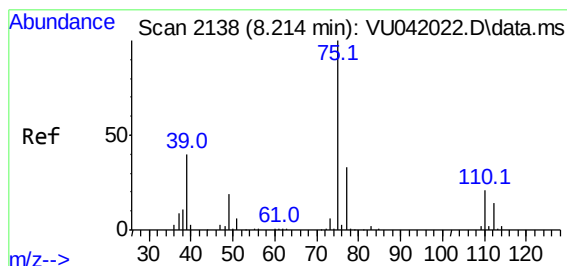
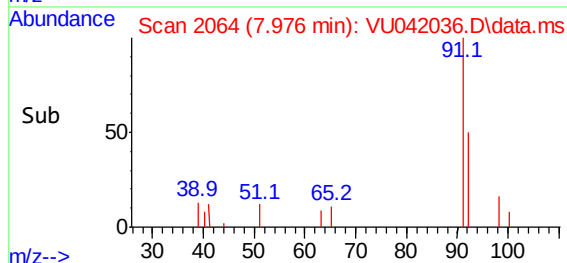
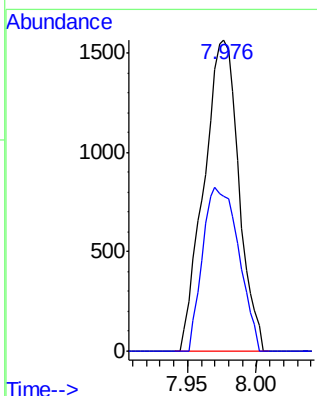
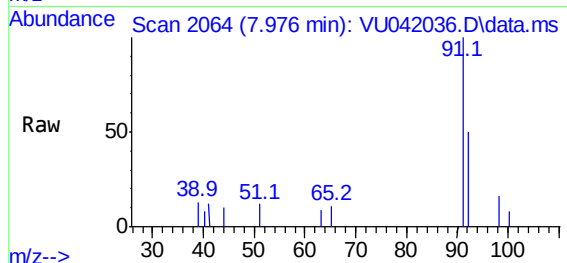




#42
Toluene
Concen: 0.06 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

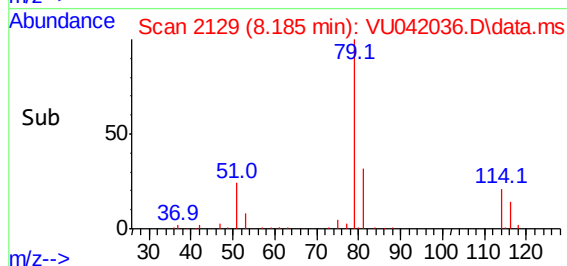
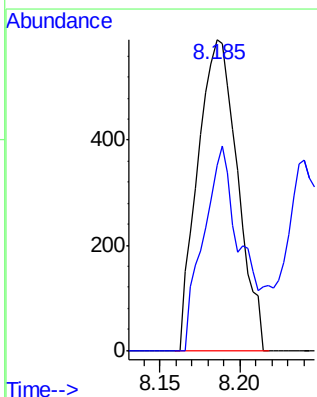
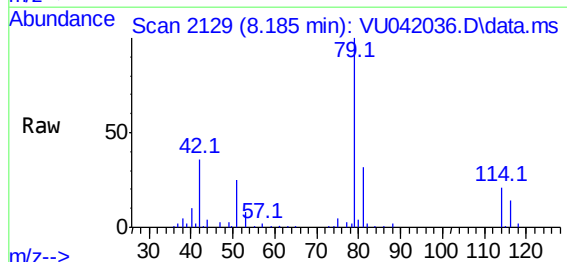
Instrument :
MSVOA_U
ClientSampleId :
BFT68

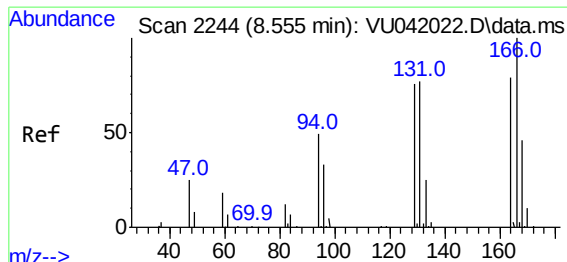
Tgt Ion: 91 Resp: 2748
Ion Ratio Lower Upper
91 100
92 49.6 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion: 75 Resp: 997
Ion Ratio Lower Upper
75 100
77 59.6 22.0 41.0#

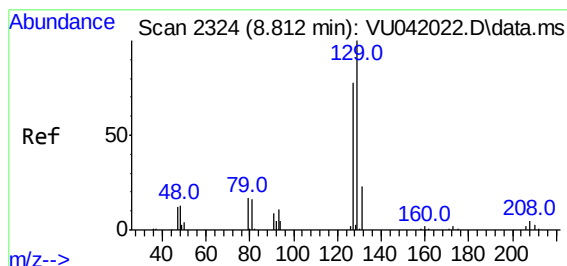
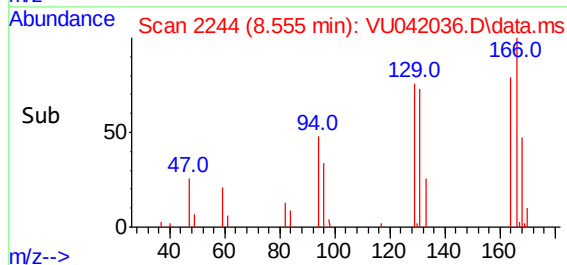
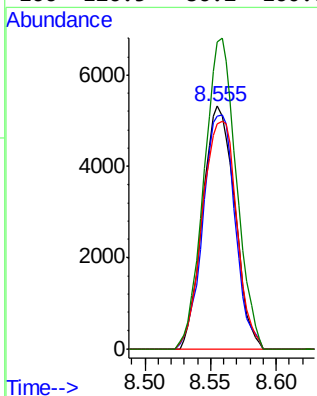
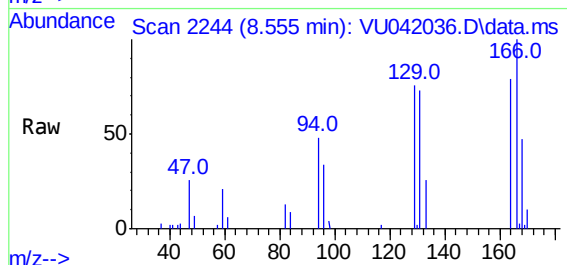




#47
Tetrachloroethene
Concen: 1.31 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

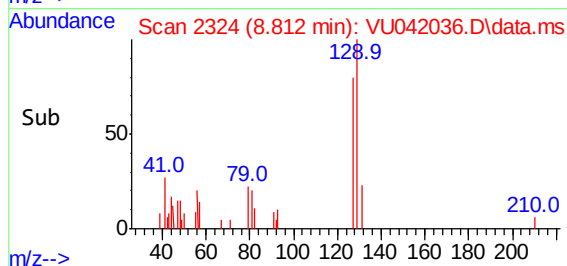
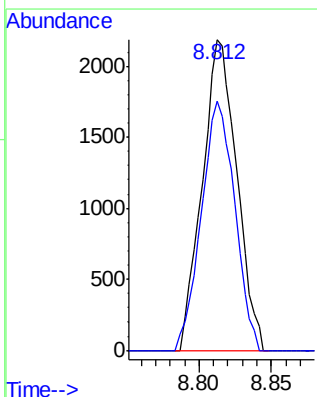
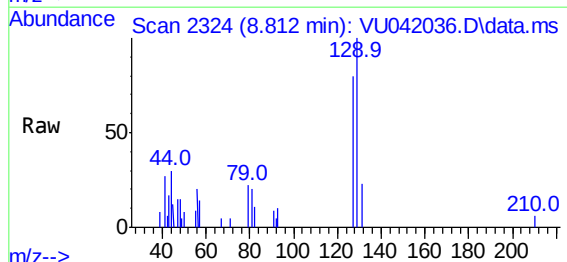
Instrument :
MSVOA_U
ClientSampled :
BFT68

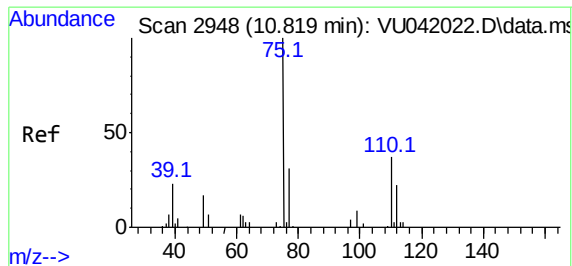
Tgt Ion:164 Resp: 9015
Ion Ratio Lower Upper
164 100
129 96.0 68.7 127.5
131 92.8 65.2 121.0
166 126.5 86.2 160.0



#49
Dibromochloromethane
Concen: 0.43 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Tgt Ion:129 Resp: 3626
Ion Ratio Lower Upper
129 100
127 80.1 53.7 99.7

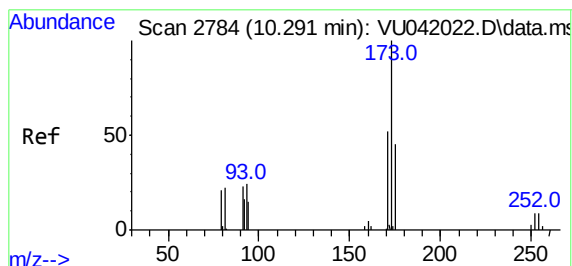
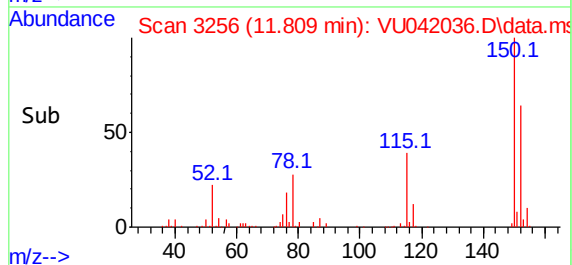
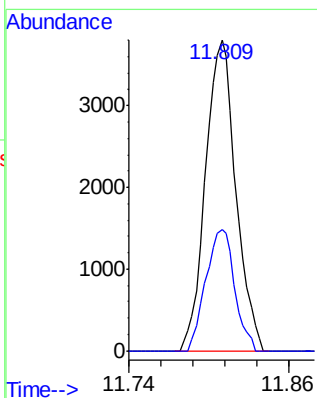
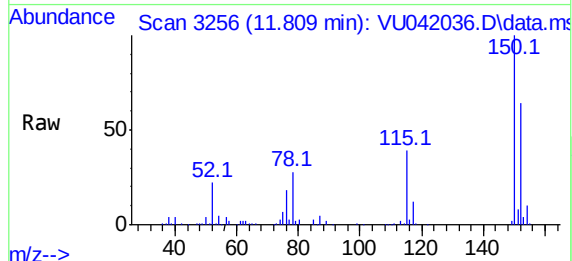




#59
1,2,3-Trichloropropane
Concen: 0.84 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

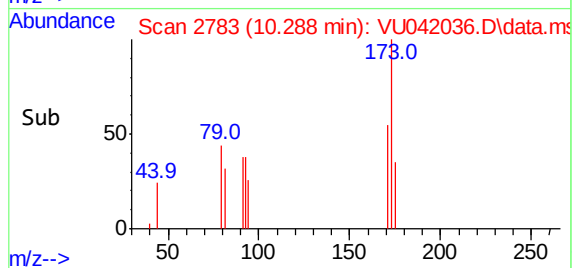
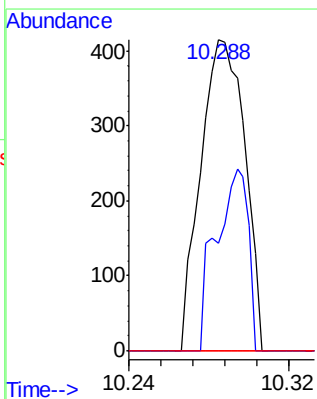
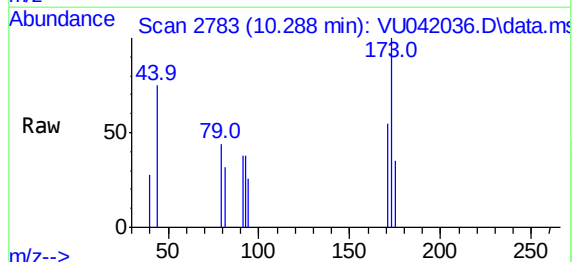
Instrument :
MSVOA_U
ClientSampled :
BFT68

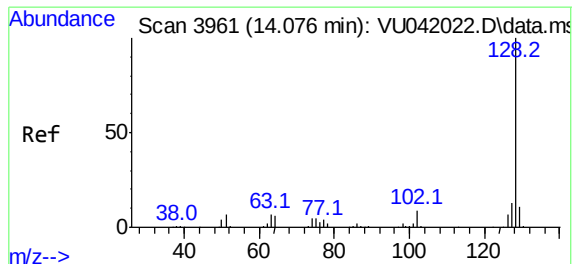
Tgt Ion: 75 Resp: 6096
Ion Ratio Lower Upper
75 100
77 37.1 25.6 38.4



#61
Bromoform
Concen: 0.15 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.003 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

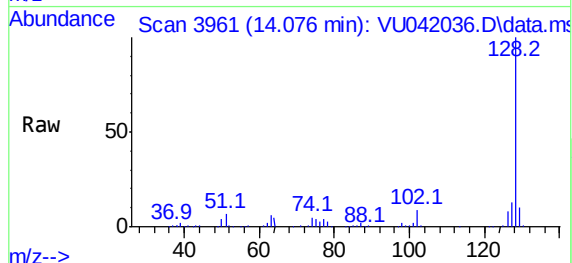
Tgt Ion:173 Resp: 661
Ion Ratio Lower Upper
173 100
175 42.8 39.1 58.7
254 0.0 7.2 10.8#





#69
Naphthalene
Concen: 5.86 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VU042036.D
Acq: 14 Jan 2021 15:48

Instrument :
MSVOA_U
ClientSampleId :
BFT68



Tgt Ion:128 Resp: 93129

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.7	10.5	15.7

