

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011421\
 Data File : VU042035.D
 Acq On : 14 Jan 2021 15:25
 Operator : SY/MD
 Sample : M1129-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT67

Quant Time: Jan 15 05:25:50 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	121730	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	111907	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	55181	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	40387	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.919	69	42147	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.571	63	61223	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.655	46	169353	54.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.88%
24) Chloroform-d	5.079	84	90192	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.716	65	52360	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.742	84	170357	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.700	67	58769	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.906	98	140941	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloroprop...	8.185	79	22429	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.642	63	138850	56.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.60%
57) 1,1,2,2-Tetrachloroeth...	10.758	84	56463	6.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.00%#
64) 1,2-Dichlorobenzene-d4	12.188	152	57047	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds						Qvalue
3) Chloromethane	1.520	50	6761	0.48	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	523	0.05	ug/L #	21
12) 1,1-Dichloroethene	2.571	96	580	0.06	ug/L #	1
13) Acetone	2.665	43	20747	10.77	ug/L	86
14) Carbon disulfide	2.800	76	4093	0.13	ug/L	99
15) Methyl Acetate	2.970	43	7494	1.59	ug/L #	67
17) Methyl tert-butyl Ether	3.379	73	12986	0.52	ug/L #	17
19) 1,1-Dichloroethane	3.880	63	1656	0.09	ug/L #	87
21) 2-Butanone	4.739	43	21719	7.07	ug/L	98
25) Chloroform	5.105	83	20809	1.09	ug/L	92
33) Benzene	5.787	78	5990	0.14	ug/L	100
34) Trichloroethene	6.552	95	437317	42.24	ug/L	99
35) Methylcyclohexane	6.700	83	12933	0.79	ug/L #	16
37) 1,2-Dichloropropane	6.703	63	5903	0.55	ug/L #	90
38) Bromodichloromethane	7.115	83	12059	0.86	ug/L	99
42) Toluene	7.976	91	3941	0.09	ug/L	95
44) trans-1,3-Dichloropropene	8.185	75	976	0.07	ug/L #	67
47) Tetrachloroethene	8.555	164	10860	1.62	ug/L	92
48) 2-Hexanone	8.693	43	2590	0.52	ug/L #	95
49) Dibromochloromethane	8.816	129	6674	0.81	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 05:20:45 2021
Response via : Initial Calibration

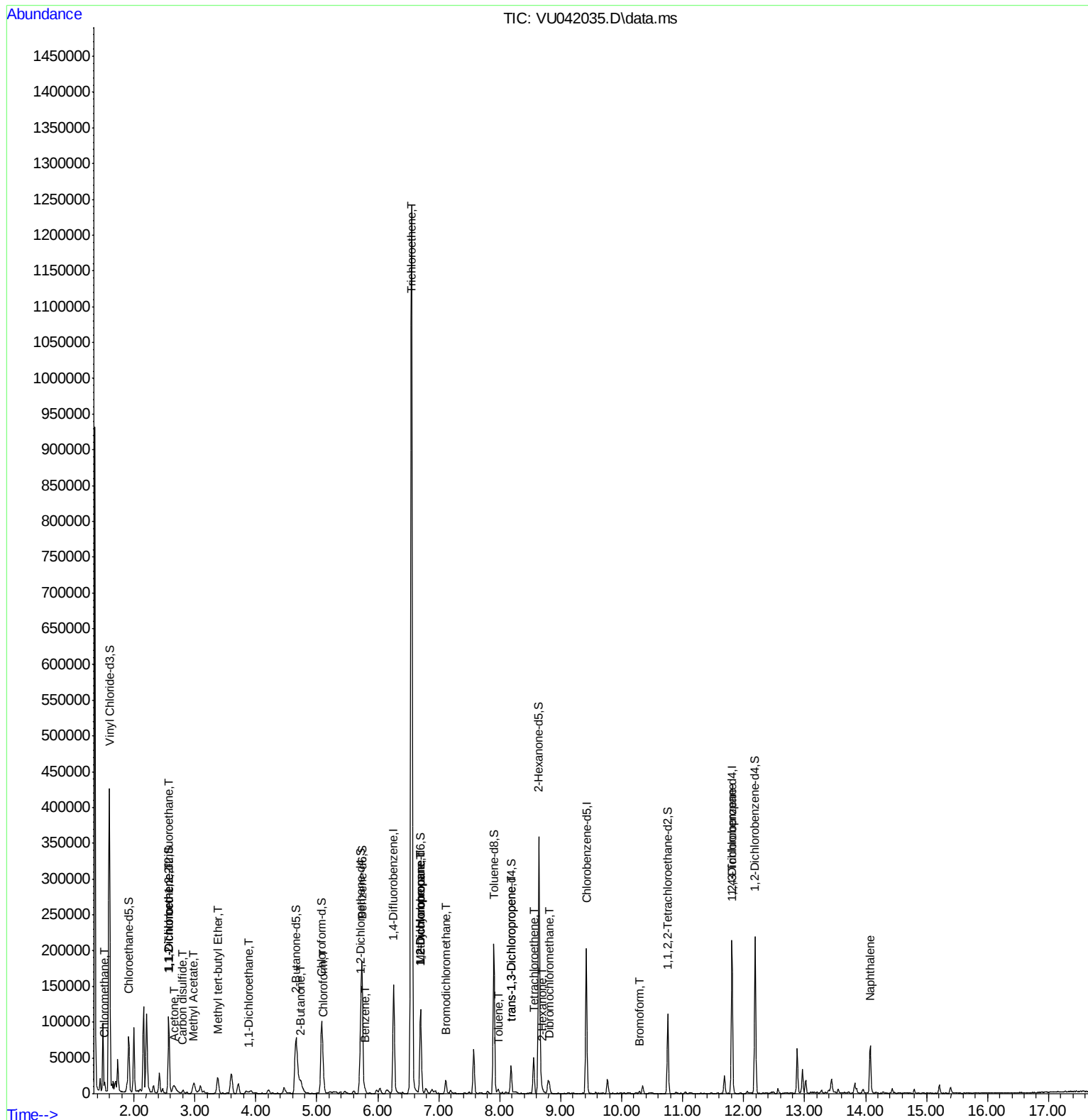
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
59)	1,2,3-Trichloropropane	11.806	75	6777	0.96 ug/L	97
61)	Bromoform	10.288	173	1112	0.24 ug/L	98
69)	Naphthalene	14.076	128	50814	2.94 ug/L	98

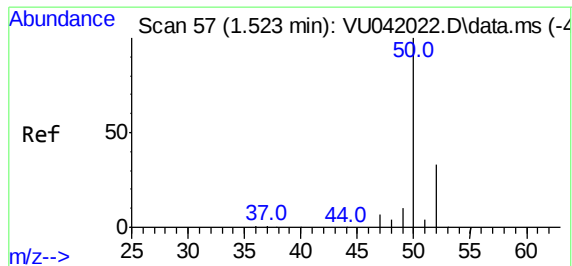
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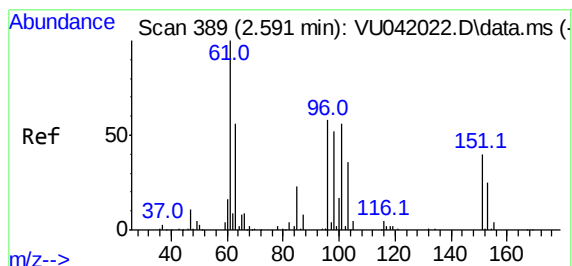
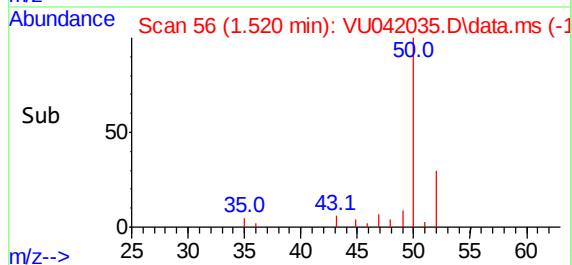
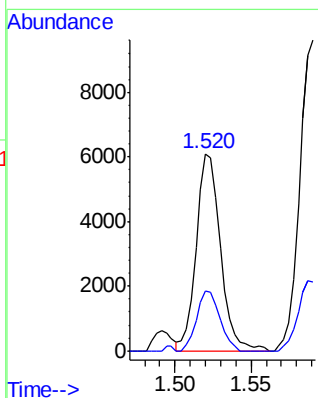
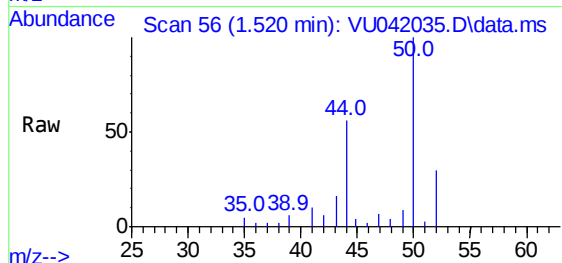




#3
Chloromethane
Concen: 0.48 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

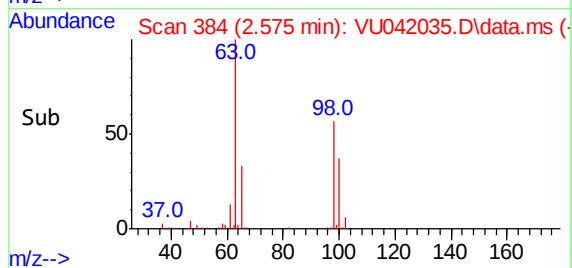
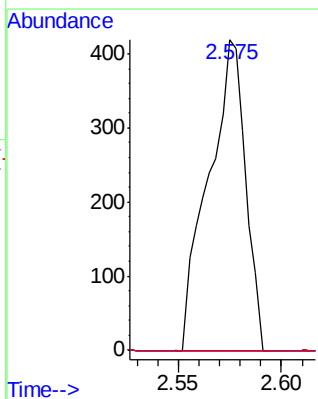
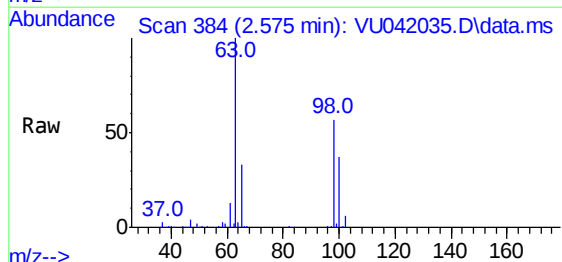
Instrument :
MSVOA_U
ClientSampleId :
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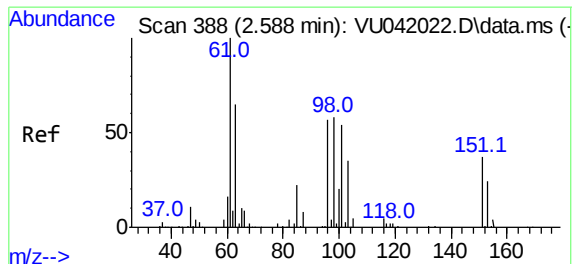
Tgt Ion: 50 Resp: 6761
Ion Ratio Lower Upper
50 100
52 30.3 23.5 43.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.016 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 101 Resp: 523
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 0.0 55.4 83.2#

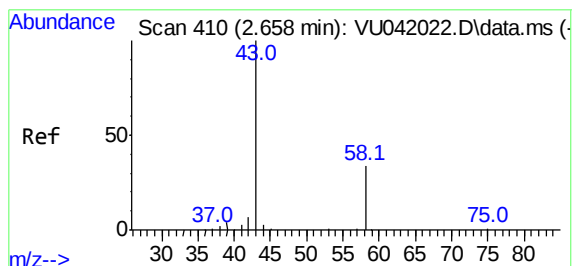
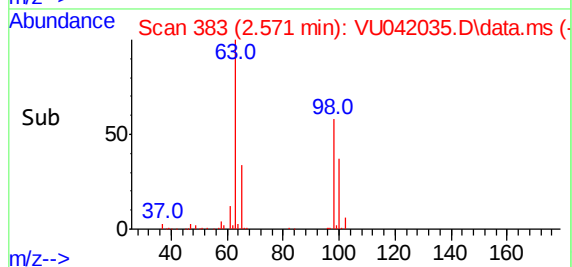
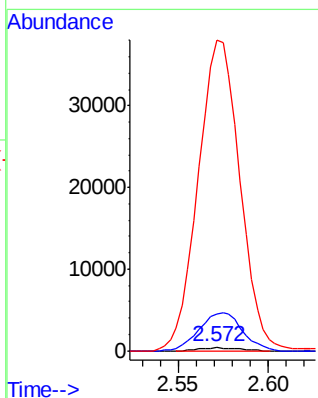
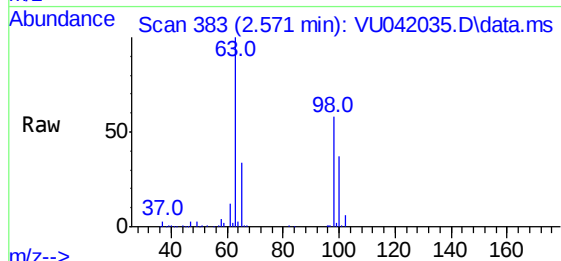




#12
1,1-Dichloroethene
Concen: 0.06 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

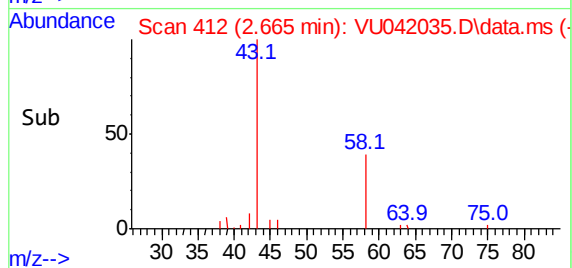
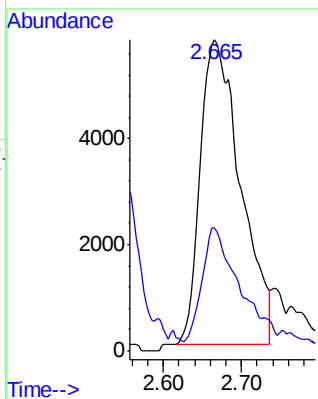
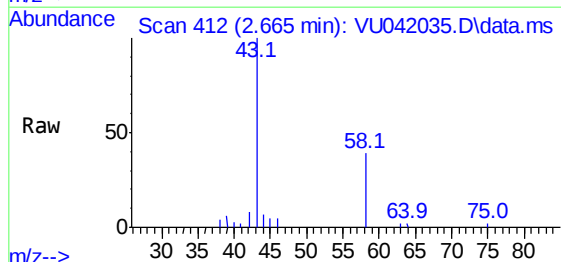
Instrument :
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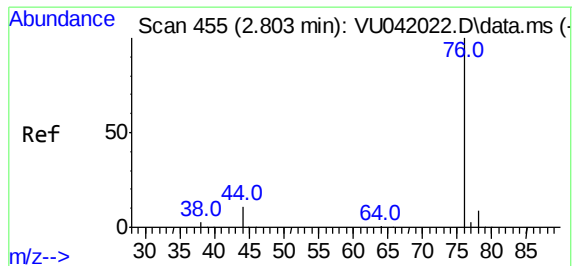
Tgt Ion: 96 Resp: 580
Ion Ratio Lower Upper
96 100
61 1012.9 122.2 226.9#
63 8610.0 82.8 153.8#



#13
Acetone
Concen: 10.77 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.006 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 43 Resp: 20747
Ion Ratio Lower Upper
43 100
58 36.0 0.0 57.4

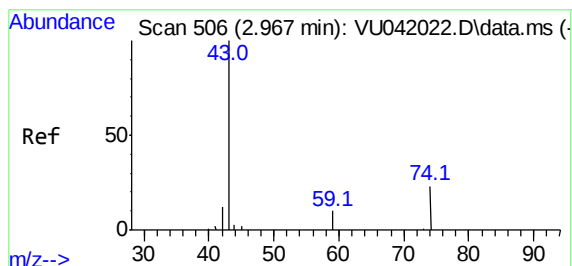
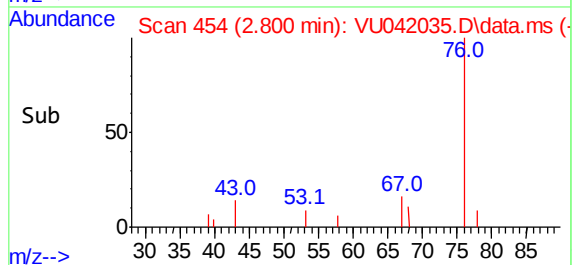
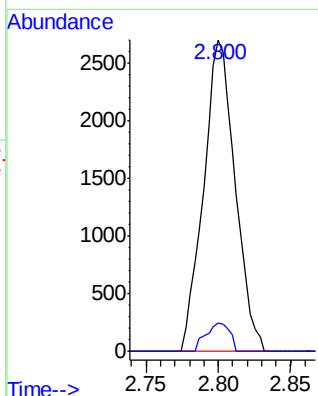
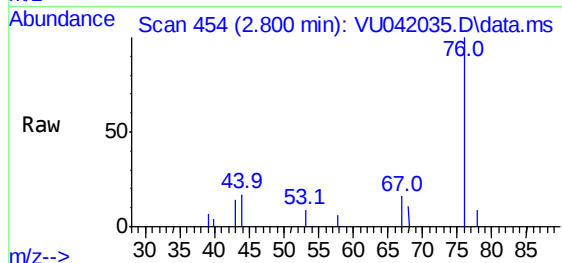




#14
Carbon disulfide
Concen: 0.13 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

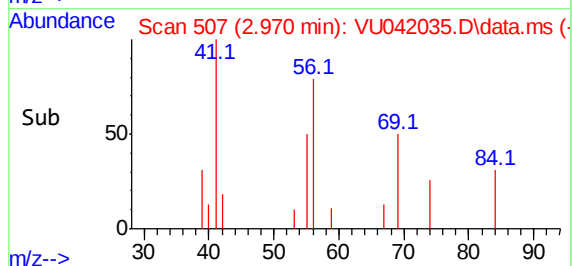
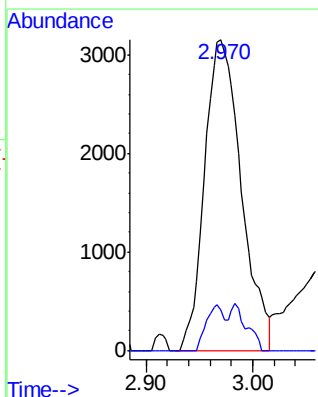
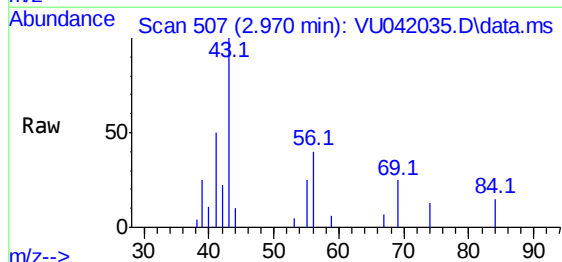
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MSVOA_U
ClientSampleId :
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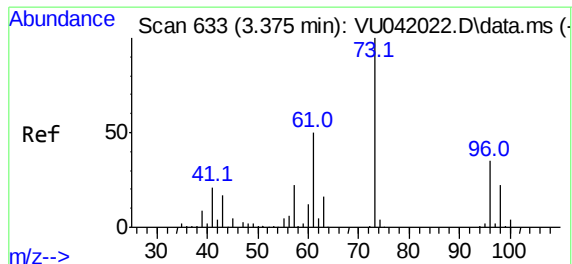
Tgt Ion: 76 Resp: 4093
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#15
Methyl Acetate
Concen: 1.59 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 43 Resp: 7494
Ion Ratio Lower Upper
43 100
74 7.6 19.2 28.8#

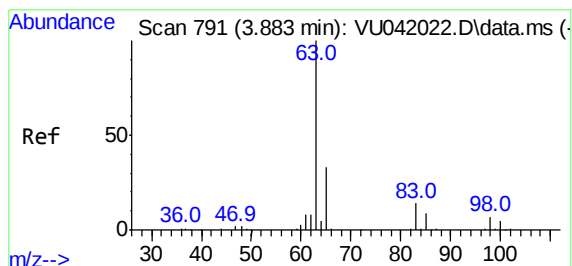
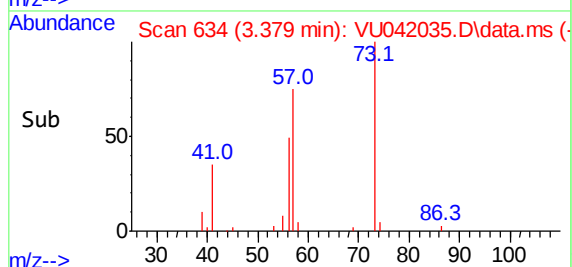
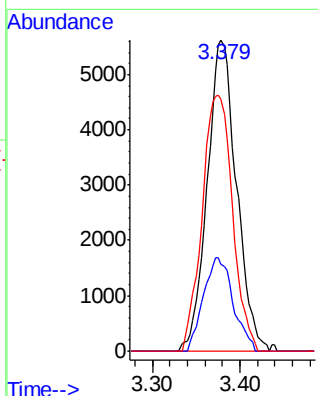
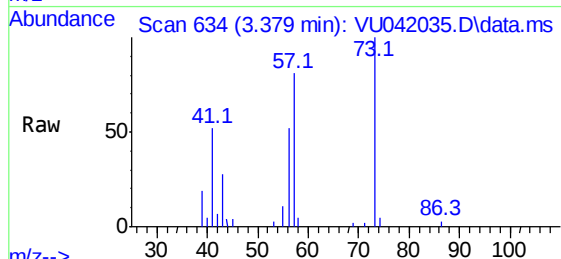




#17
Methyl tert-butyl Ether
Concen: 0.52 ug/L
RT: 3.379 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

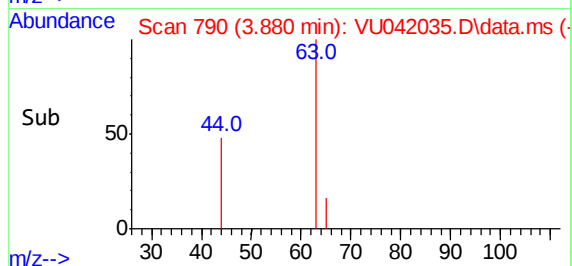
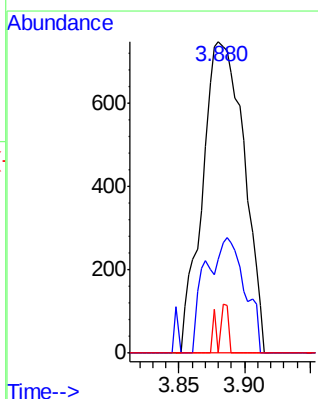
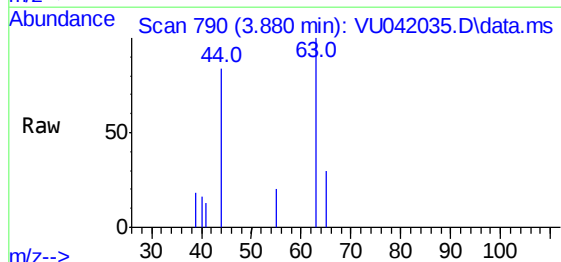
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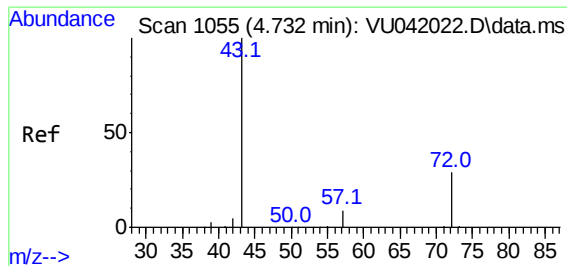
Tgt Ion: 73 Resp: 12986
Ion Ratio Lower Upper
73 100
43 30.5 15.1 22.7#
57 85.5 18.0 27.0#



#19
1,1-Dichloroethane
Concen: 0.09 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 63 Resp: 1656
Ion Ratio Lower Upper
63 100
65 29.8 22.7 42.1
83 0.0 9.4 17.6#

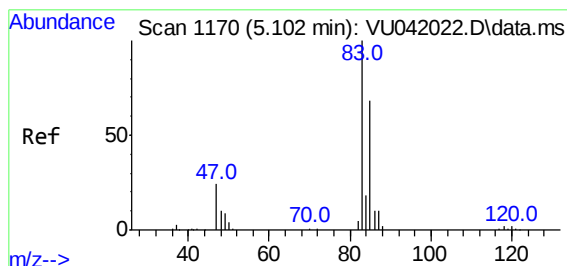
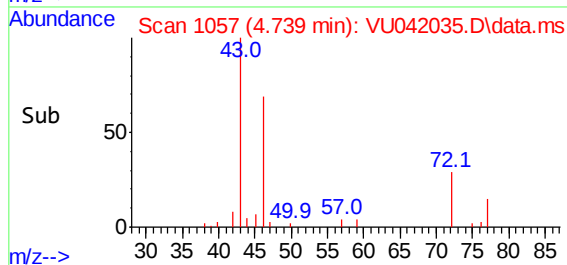
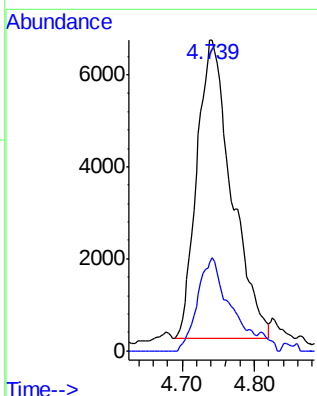
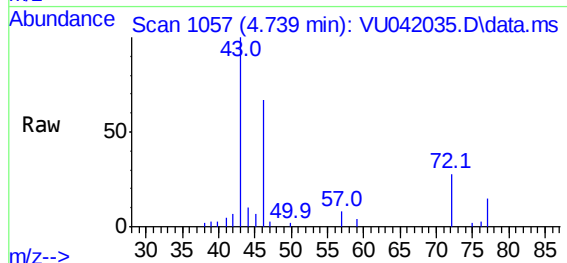




#21
2-Butanone
Concen: 7.07 ug/L
RT: 4.739 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

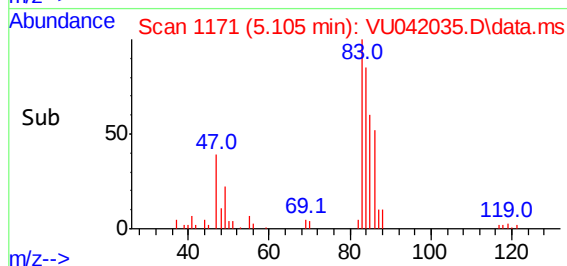
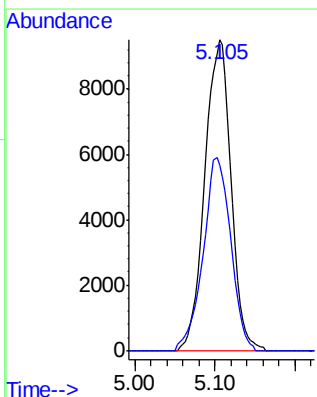
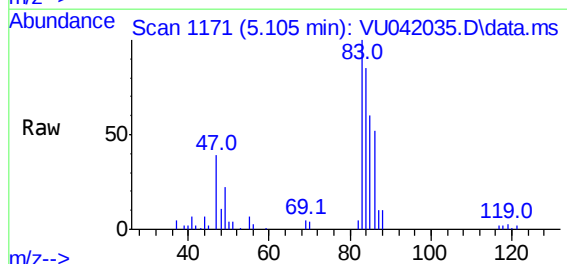
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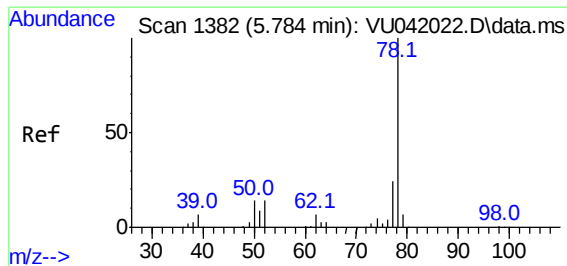
Tgt Ion: 43 Resp: 21719
Ion Ratio Lower Upper
43 100
72 28.7 13.7 41.1



#25
Chloroform
Concen: 1.09 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 83 Resp: 20809
Ion Ratio Lower Upper
83 100
85 59.6 46.1 85.7

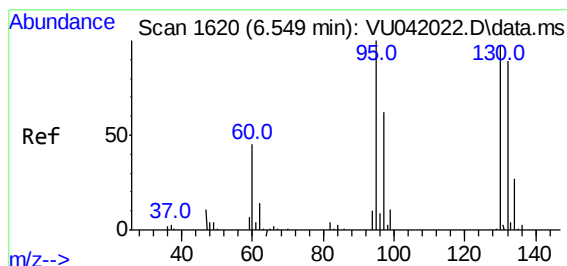
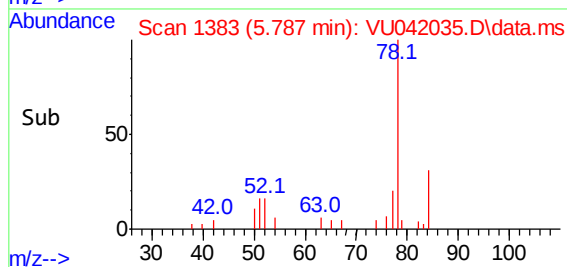
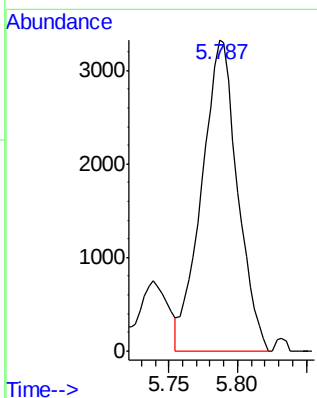
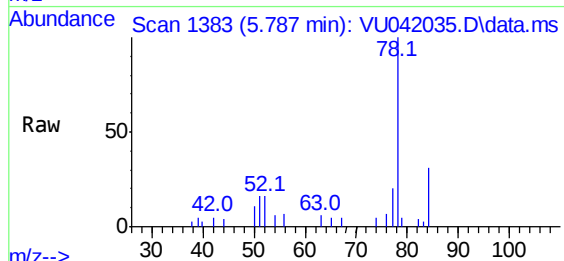




#33
Benzene
Concen: 0.14 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

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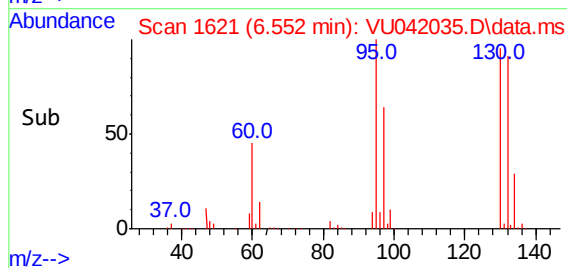
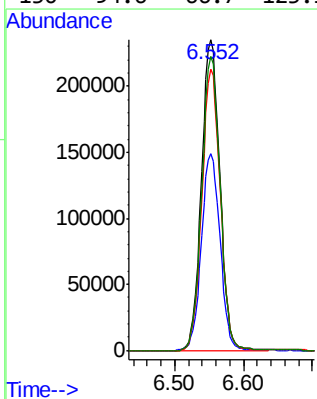
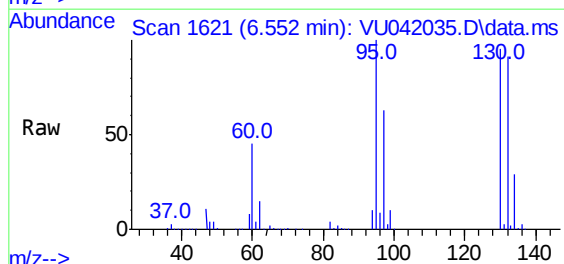
Tgt Ion: 78 Resp: 5990

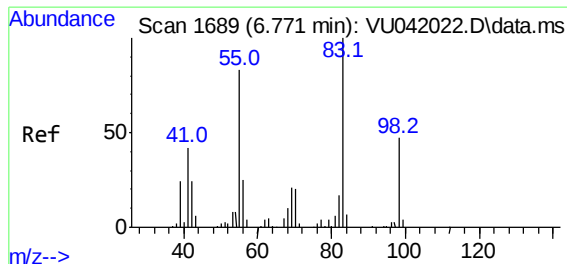


#34
Trichloroethene
Concen: 42.24 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 95 Resp: 437317

Ion	Ratio	Lower	Upper
95	100		
97	63.2	43.6	81.0
132	90.5	64.3	119.3
130	94.6	66.7	123.9

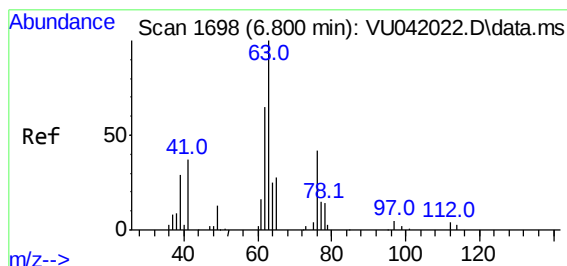
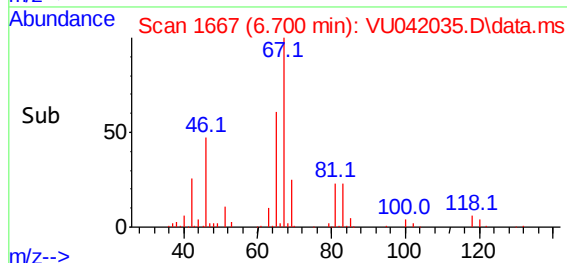
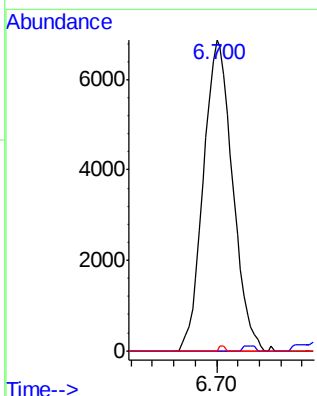
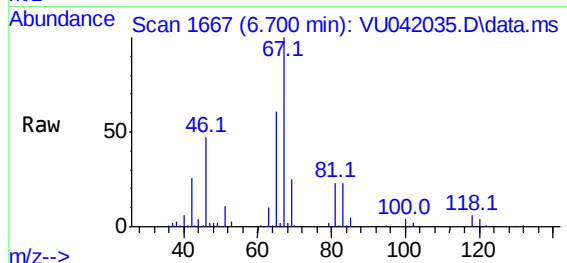




#35
Methylcyclohexane
Concen: 0.79 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

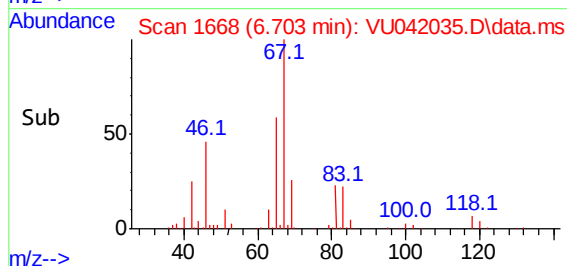
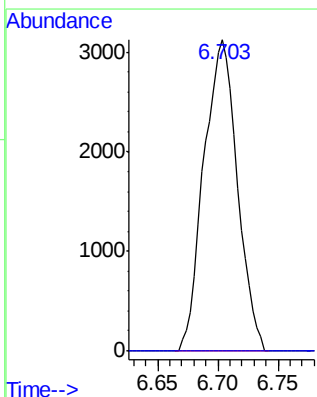
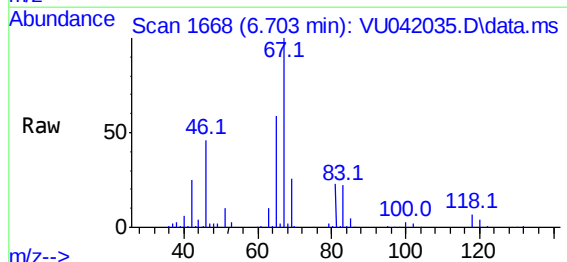
Instrument :
MSVOA_U
ClientSampleId :
BFT67

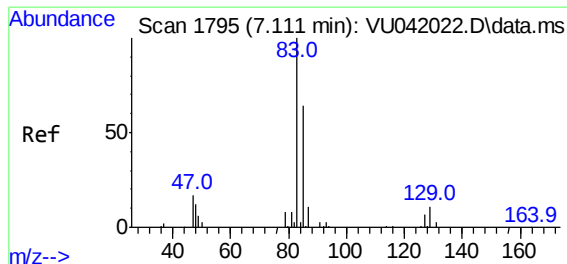
Tgt Ion: 83 Resp: 12933
Ion Ratio Lower Upper
83 100
55 0.6 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.55 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.096 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 63 Resp: 5903
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

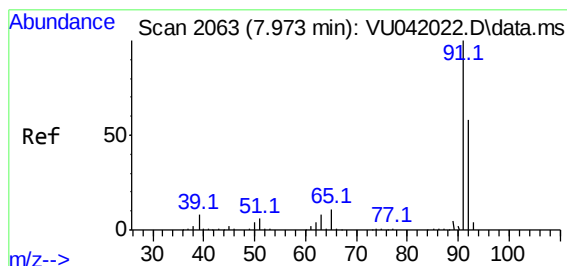
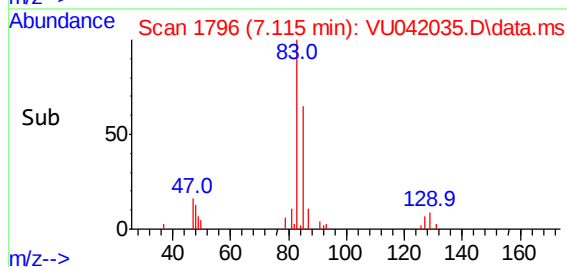
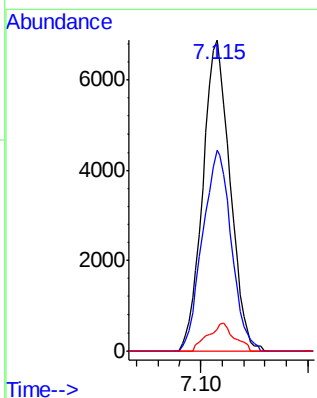
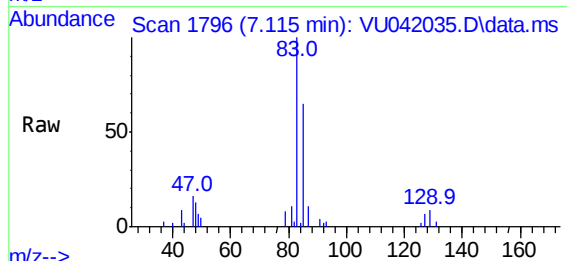




#38
Bromodichloromethane
Concen: 0.86 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

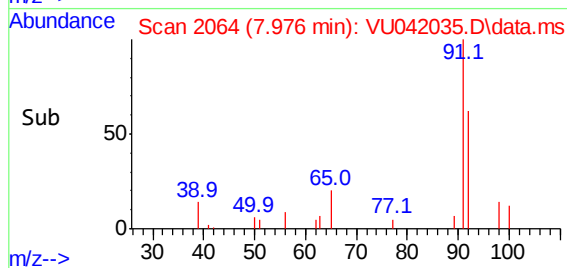
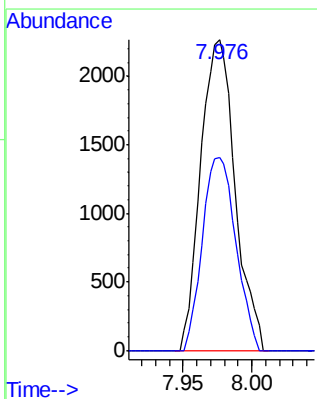
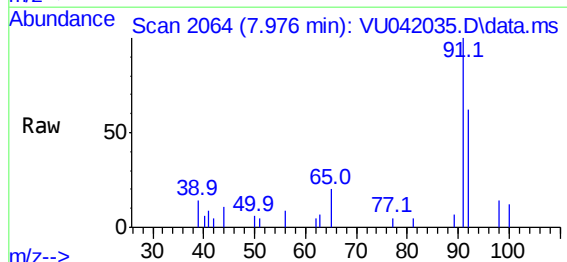
Instrument :
MSVOA_U
ClientSampled :
BFT67

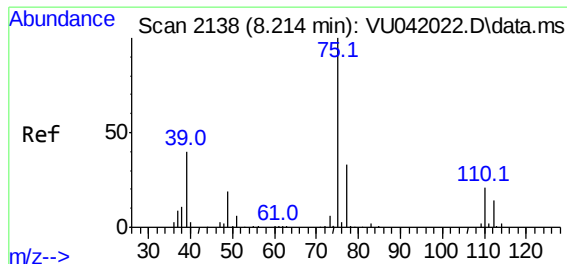
Tgt Ion: 83 Resp: 12059
Ion Ratio Lower Upper
83 100
85 64.7 45.8 85.0
127 6.9 6.1 9.1



#42
Toluene
Concen: 0.09 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 91 Resp: 3941
Ion Ratio Lower Upper
91 100
92 62.2 40.7 75.7



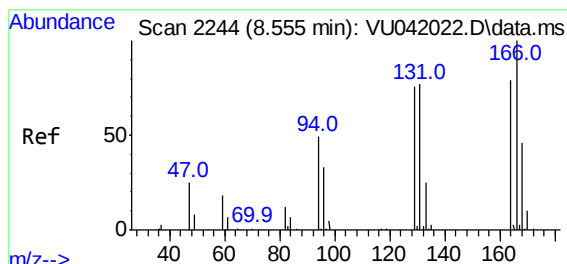
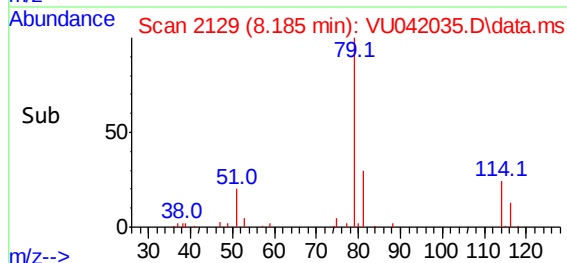
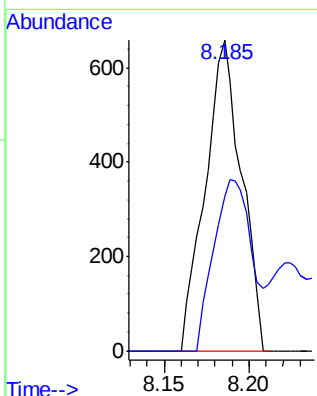
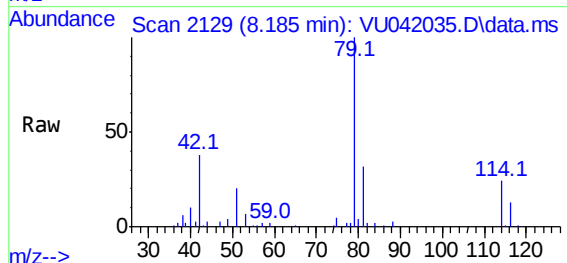


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Instrument :
MSVOA_U
ClientSampleId :
BFT67

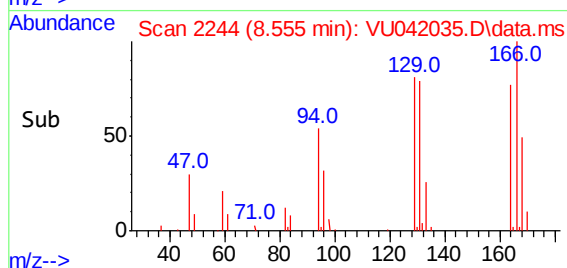
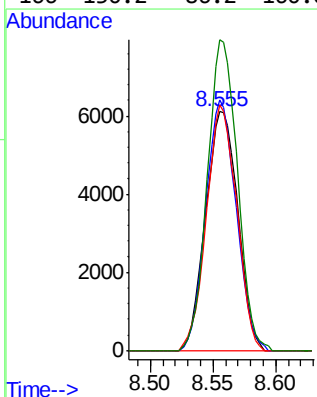
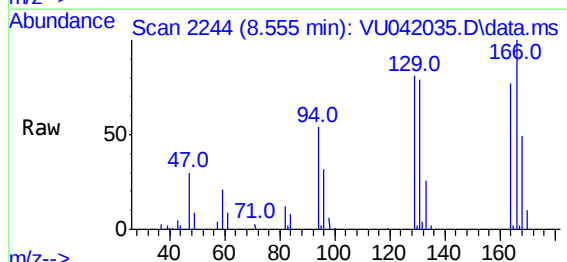
Tgt Ion: 75 Resp: 976
Ion Ratio Lower Upper
75 100
77 49.6 22.0 41.0#

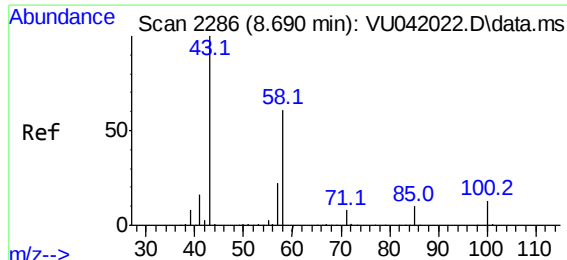


#47

Tetrachloroethene
Concen: 1.62 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion:164 Resp: 10860
Ion Ratio Lower Upper
164 100
129 104.9 68.7 127.5
131 102.6 65.2 121.0
166 130.2 86.2 160.0

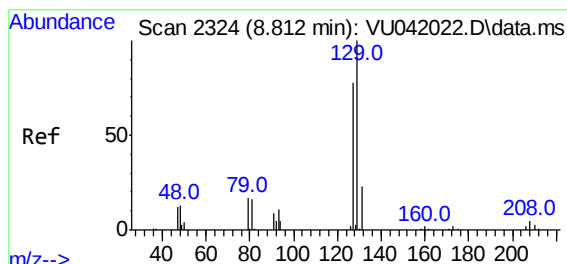
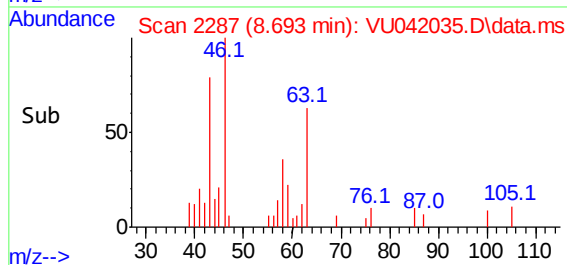
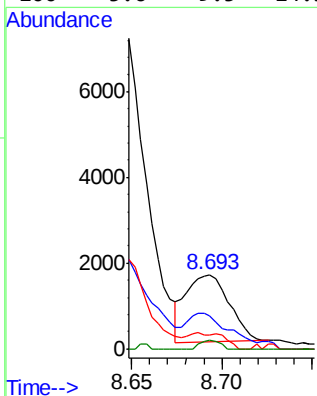
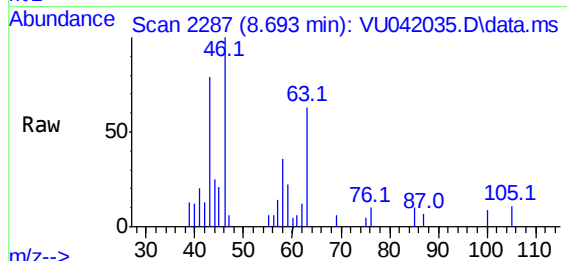




#48
2-Hexanone
Concen: 0.52 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

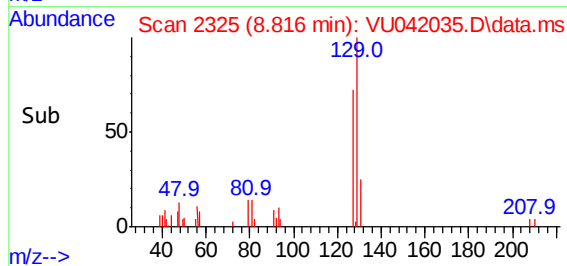
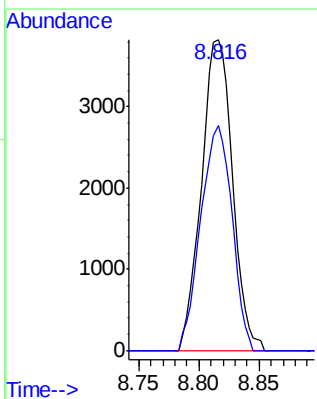
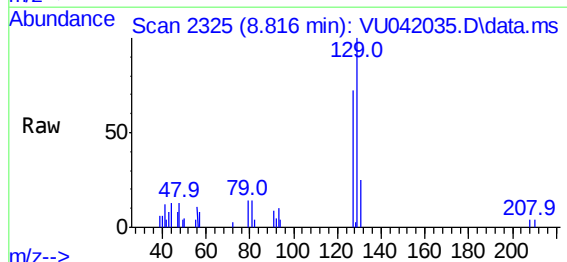
Instrument :
MSVOA_U
ClientSampleId :
BFT67

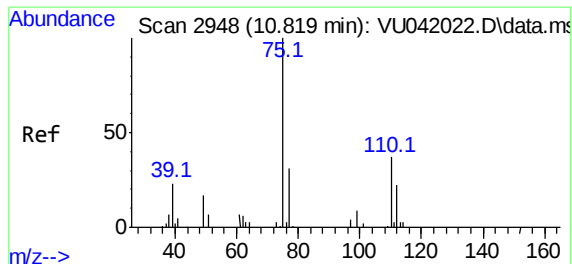
Tgt Ion: 43 Resp: 2590
Ion Ratio Lower Upper
43 100
58 57.7 47.8 71.8
57 19.6 17.4 26.0
100 5.6 9.5 14.3#



#49
Dibromochloromethane
Concen: 0.81 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Tgt Ion: 129 Resp: 6674
Ion Ratio Lower Upper
129 100
127 72.3 53.7 99.7

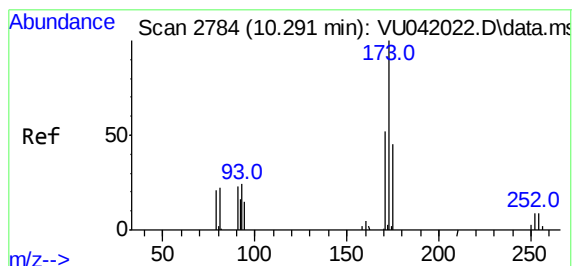
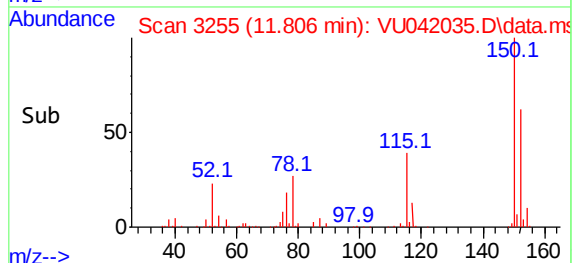
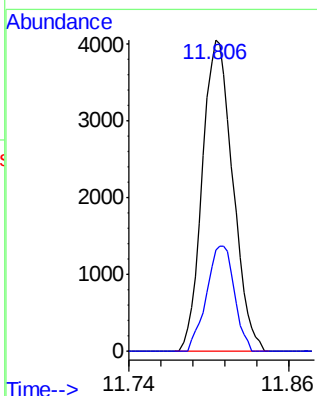
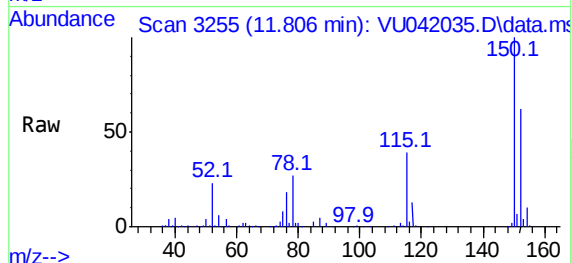




#59
1,2,3-Trichloropropane
Concen: 0.96 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

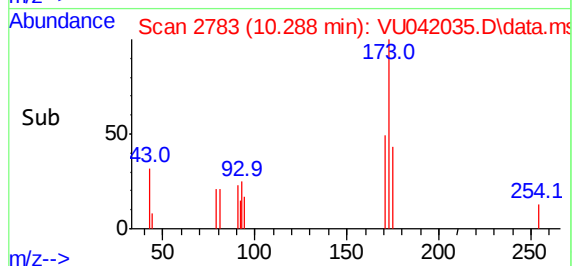
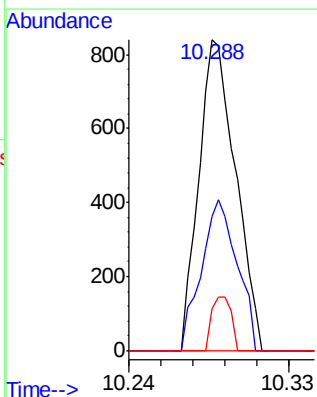
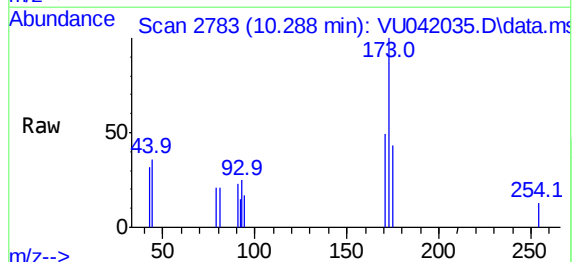
Instrument :
MSVOA_U
ClientSampled :
BFT67

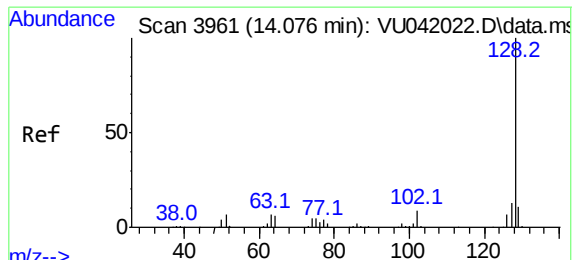
Tgt Ion: 75 Resp: 6777
Ion Ratio Lower Upper
75 100
77 30.5 25.6 38.4



#61
Bromoform
Concen: 0.24 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.003 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

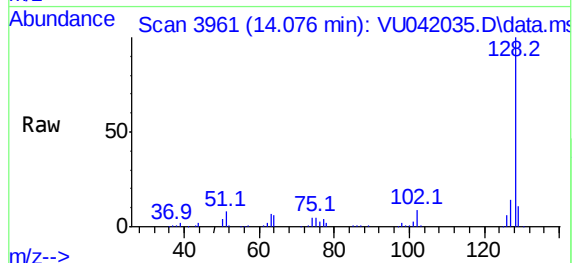
Tgt Ion:173 Resp: 1112
Ion Ratio Lower Upper
173 100
175 47.1 39.1 58.7
254 8.8 7.2 10.8





#69
Naphthalene
Concen: 2.94 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VU042035.D
Acq: 14 Jan 2021 15:25

Instrument :
MSVOA_U
ClientSampleId :
BFT67



Tgt Ion:128 Resp: 50814

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.7	13.1
127	14.2	10.5	15.7

