

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042116.D
 Acq On : 20 Jan 2021 19:24
 Operator : SY/MD
 Sample : M1180-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E03

Quant Time: Jan 21 04:26:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 04:09:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	121487	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	112257	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	59542	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	36079	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.916	69	28619	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.568	63	49839	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.713	46	39277	13.74	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	27.48%#
24) Chloroform-d	5.073	84	76790	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.713	65	46535	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.735	84	144785	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.700	67	47070	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.906	98	132189	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloroprop...	8.189	79	23085	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.652	63	98552	47.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.46%
57) 1,1,2,2-Tetrachloroeth...	10.767	84	39971	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.201	152	53317	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	596	0.06	ug/L #	76
8) Chloroethane	2.006	64	5460	0.96	ug/L #	56
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	435	0.05	ug/L #	18
12) 1,1-Dichloroethene	2.568	96	599	0.07	ug/L #	1
14) Carbon disulfide	2.793	76	1510	0.06	ug/L #	46
17) Methyl tert-butyl Ether	3.382	73	2592	0.11	ug/L #	89
27) 1,2-Dichloroethane	5.732	62	1040	0.09	ug/L #	75
33) Benzene	5.784	78	1325	0.04	ug/L	100
35) Methylcyclohexane	6.700	83	11011	0.74	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	5667	0.65	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1471	0.10	ug/L #	35
42) Toluene	7.976	91	2772	0.08	ug/L	94
44) trans-1,3-Dichloropropene	8.185	75	1083	0.08	ug/L #	53
47) Tetrachloroethene	8.555	164	737	0.10	ug/L	88
48) 2-Hexanone	8.703	43	5700	1.10	ug/L #	71
49) Dibromochloromethane	8.558	129	733	0.09	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6390	1.04	ug/L #	87

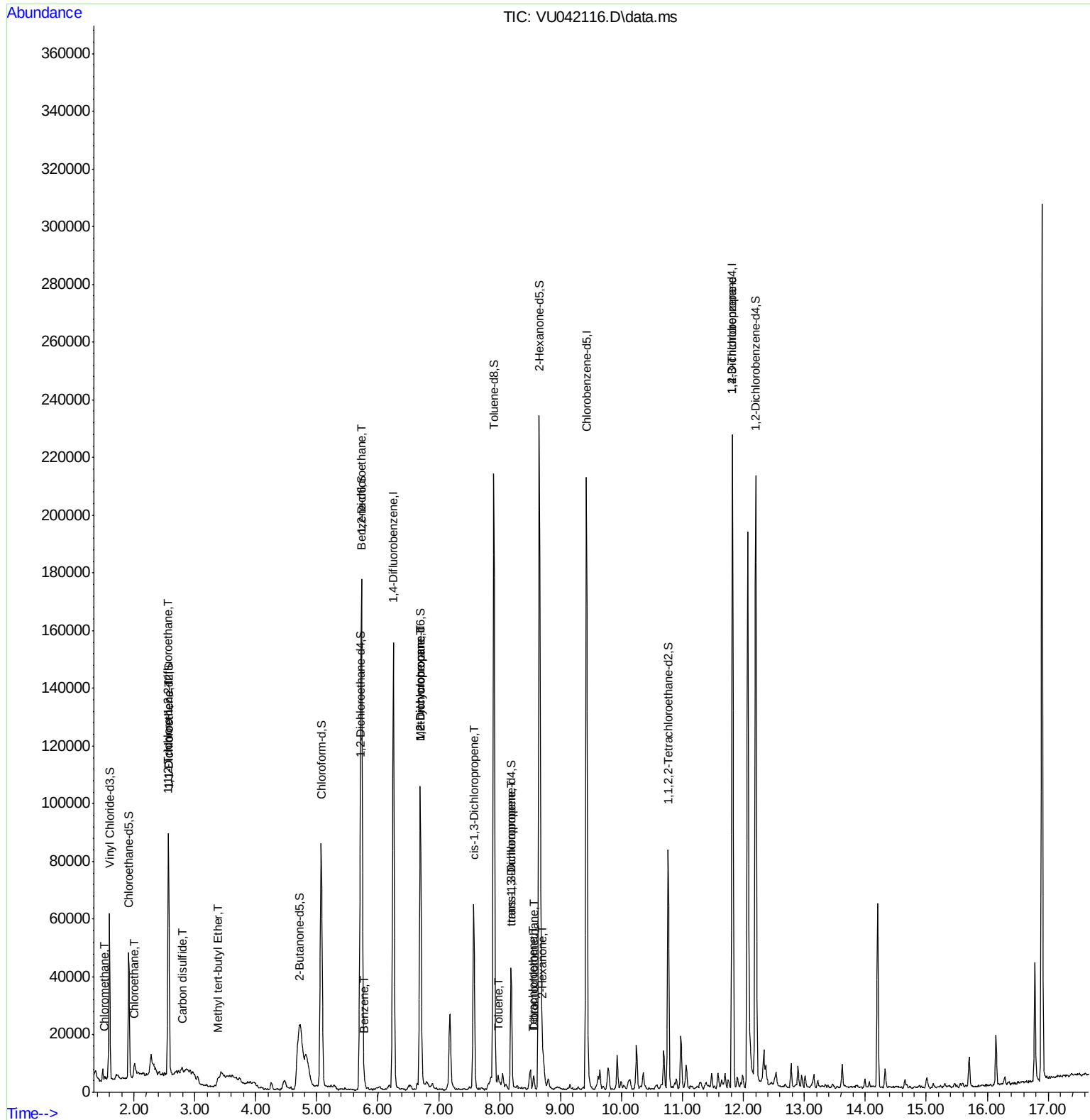
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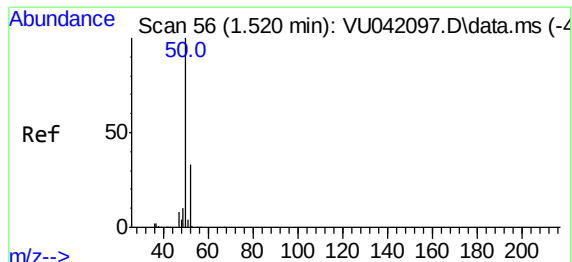
Instrument :
MSVOA_U
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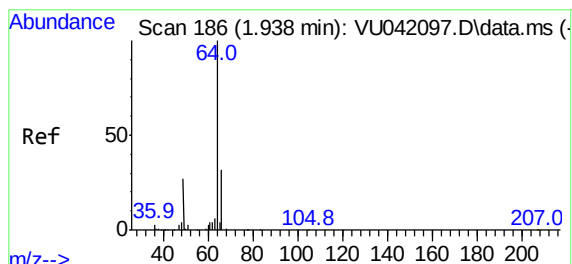
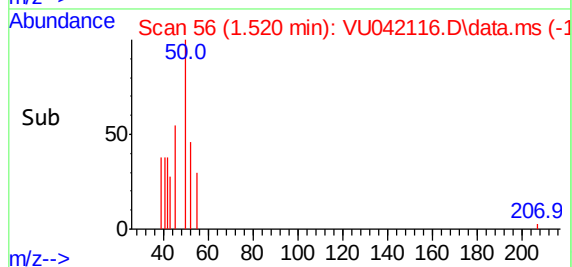
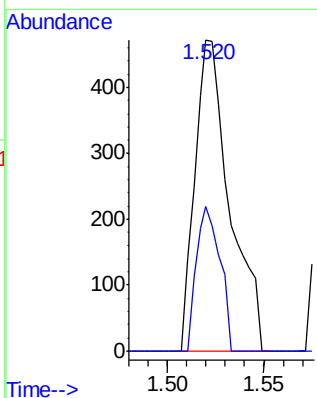
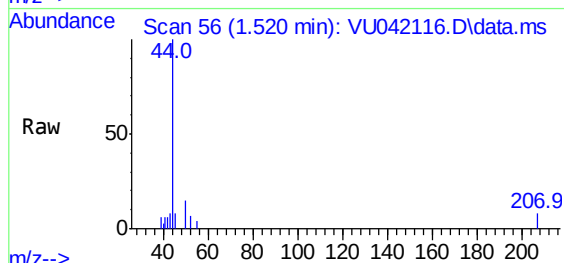




#3
Chloromethane
Concen: 0.06 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

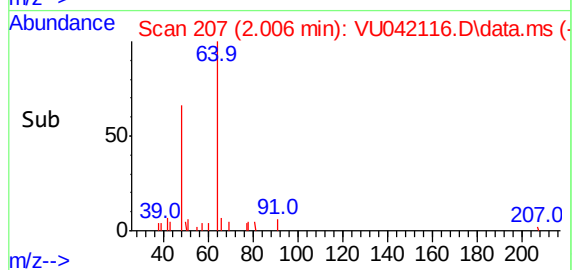
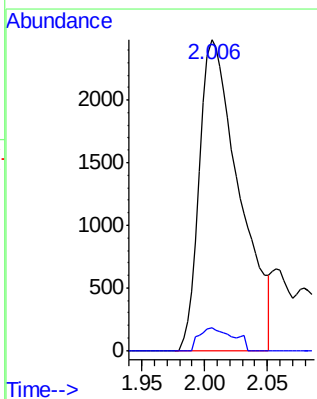
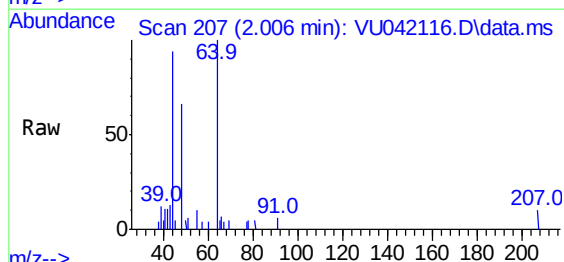
Instrument :
MSVOA_U
ClientSampled :
F1E03

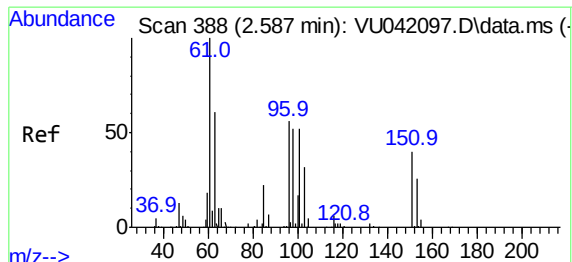
Tgt Ion: 50 Resp: 596
Ion Ratio Lower Upper
50 100
52 46.4 23.0 42.8#



#8
Chloroethane
Concen: 0.96 ug/L
RT: 2.006 min Scan# 207
Delta R.T. 0.068 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

Tgt Ion: 64 Resp: 5460
Ion Ratio Lower Upper
64 100
66 7.3 22.2 41.2#

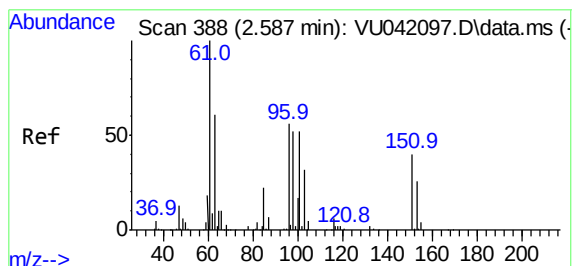
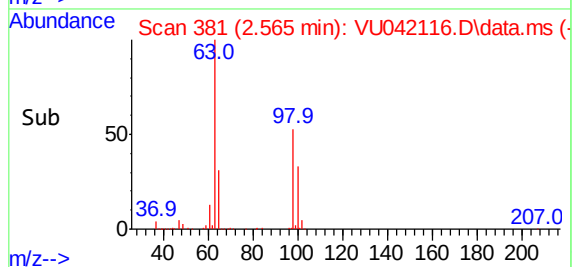
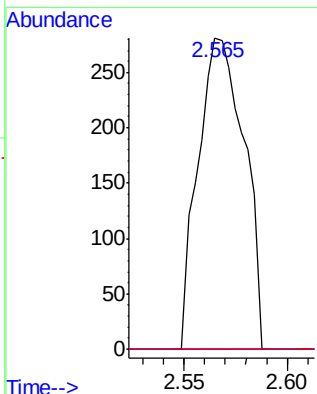
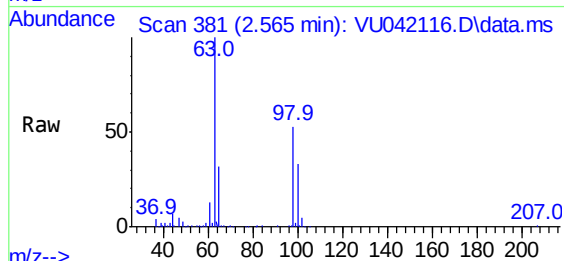




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.05 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.023 min
 Lab File: VU042116.D
 Acq: 20 Jan 2021 19:24

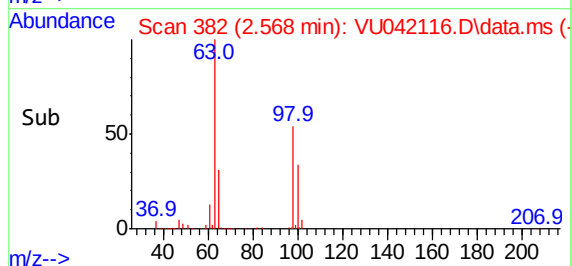
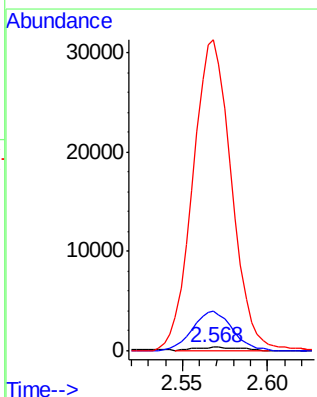
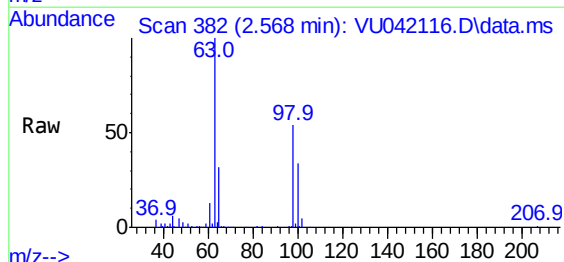
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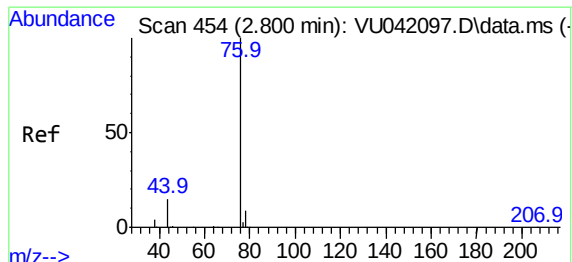
Tgt Ion:101 Resp: 435
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 0.07 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU042116.D
 Acq: 20 Jan 2021 19:24

Tgt Ion: 96 Resp: 599
 Ion Ratio Lower Upper
 96 100
 61 1297.0 126.2 234.4#
 63 10341.9 77.8 144.4#





#14

Carbon disulfide

Concen: 0.06 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.006 min

Lab File: VU042116.D

Acq: 20 Jan 2021 19:24

Tgt Ion: 76 Resp: 1510

Ion Ratio Lower Upper

76 100

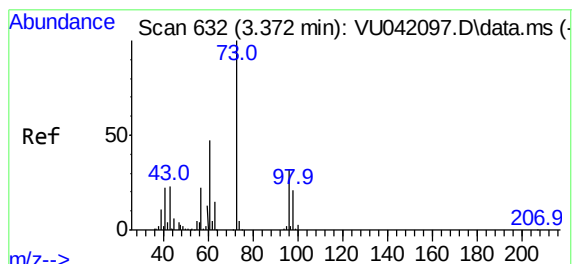
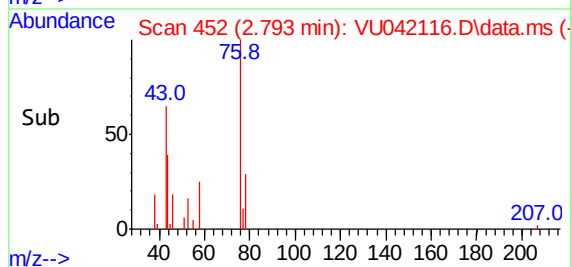
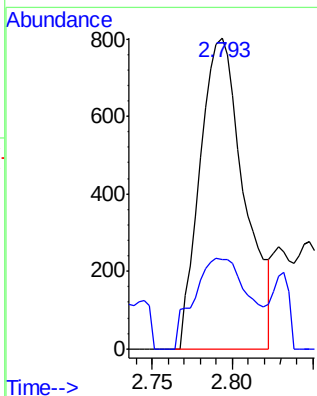
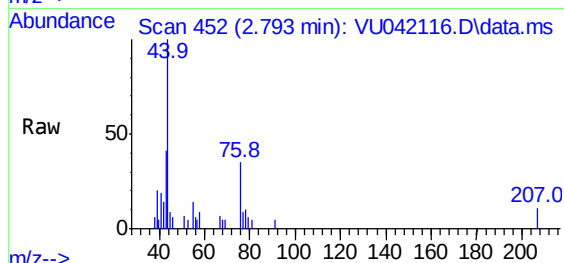
78 28.8 7.3 10.9#

Instrument :

MSVOA_U

ClientSampleId :

F1E03



#17

Methyl tert-butyl Ether

Concen: 0.11 ug/L

RT: 3.382 min Scan# 635

Delta R.T. 0.010 min

Lab File: VU042116.D

Acq: 20 Jan 2021 19:24

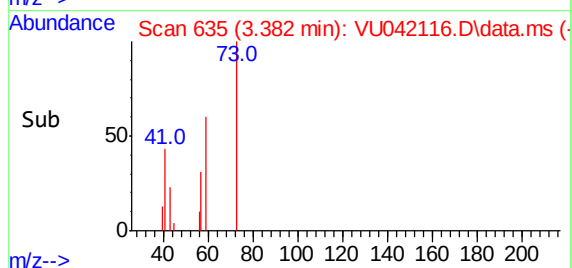
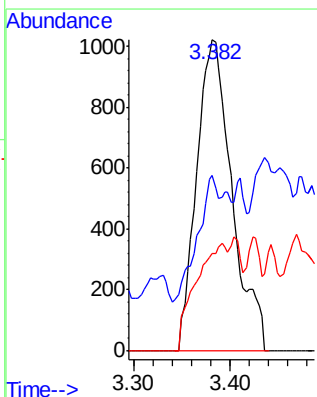
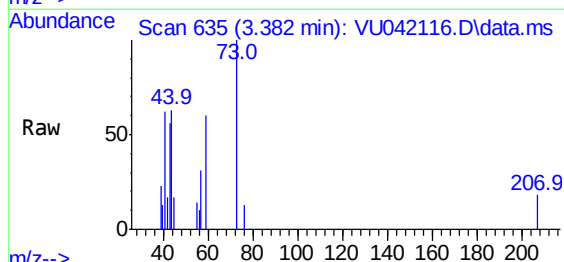
Tgt Ion: 73 Resp: 2592

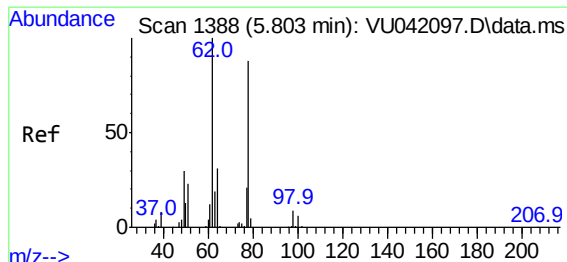
Ion Ratio Lower Upper

73 100

43 26.1 18.9 28.3

57 31.0 18.2 27.4#

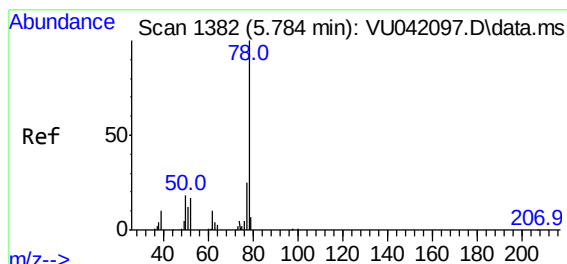
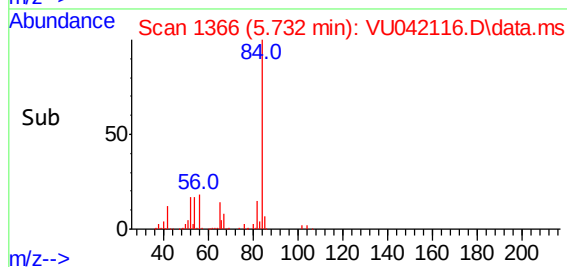
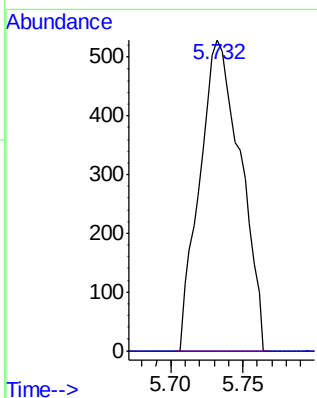
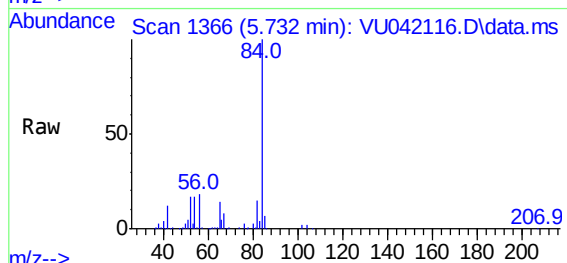




#27
1,2-Dichloroethane
Concen: 0.09 ug/L
RT: 5.732 min Scan# 1366
Delta R.T. -0.071 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

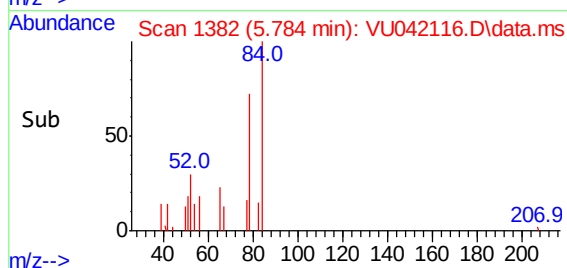
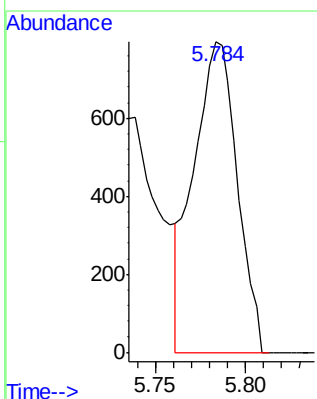
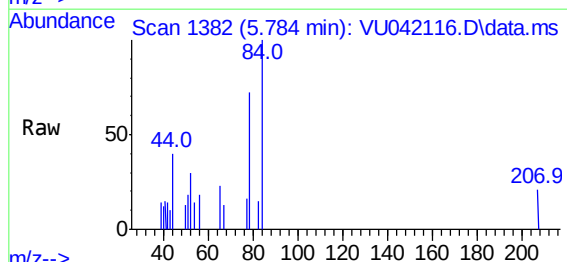
Instrument :
MSVOA_U
ClientSampleId :
F1E03

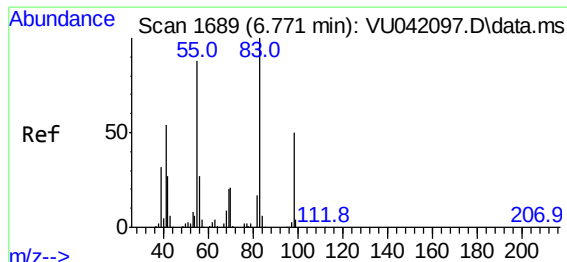
Tgt Ion: 62 Resp: 1040
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 0.04 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

Tgt Ion: 78 Resp: 1325

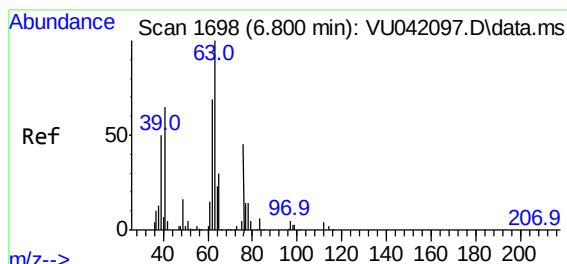
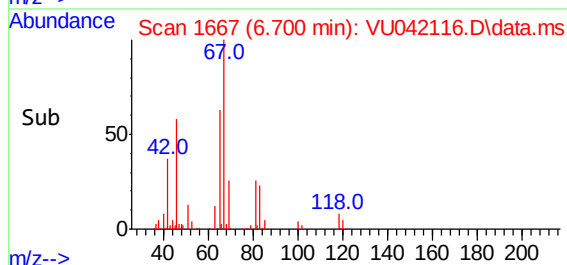
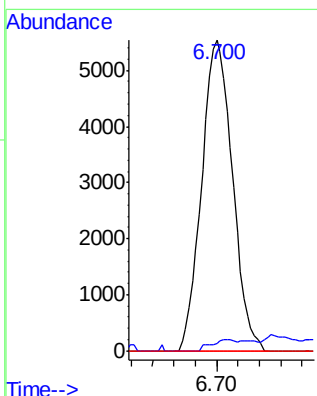
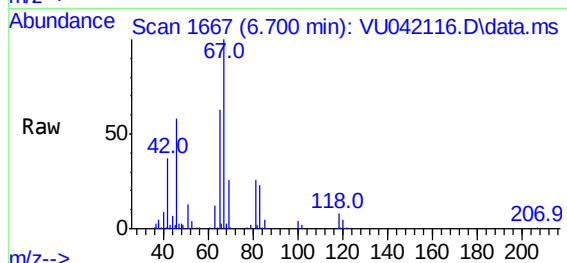




#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

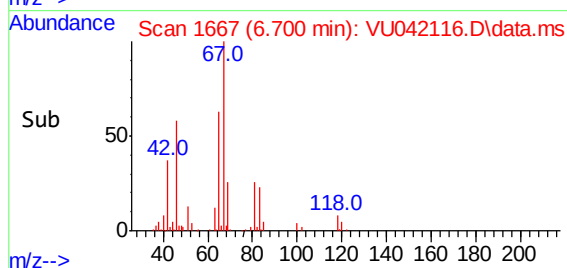
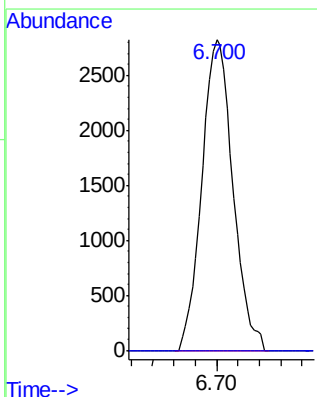
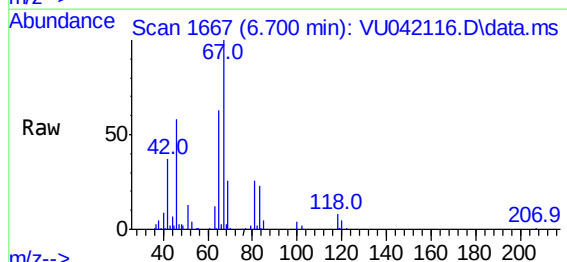
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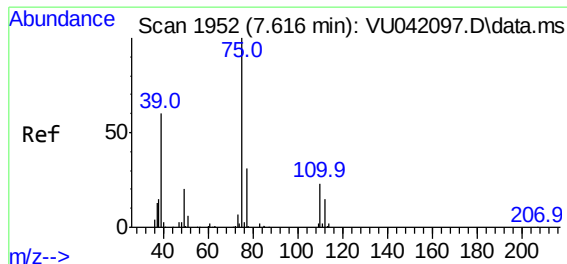
Tgt Ion: 83 Resp: 11011
Ion Ratio Lower Upper
83 100
55 2.9 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

Tgt Ion: 63 Resp: 5667
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

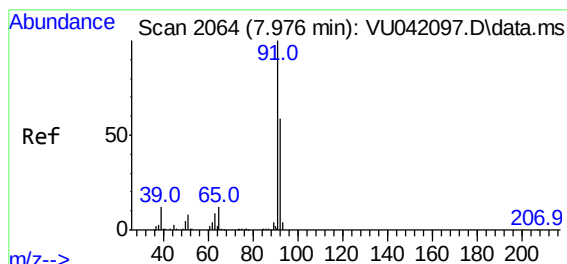
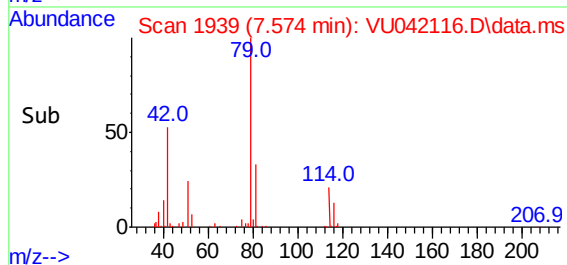
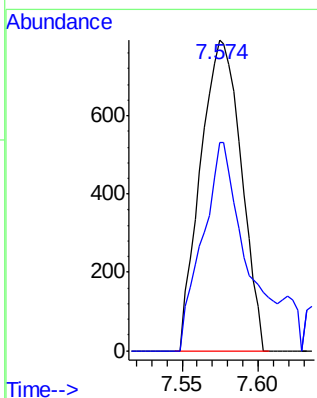
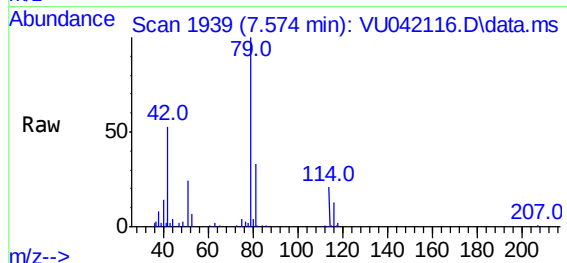




#39
 cis-1,3-Dichloropropene
 Concen: 0.10 ug/L
 RT: 7.574 min Scan# 1939
 Delta R.T. -0.042 min
 Lab File: VU042116.D
 Acq: 20 Jan 2021 19:24

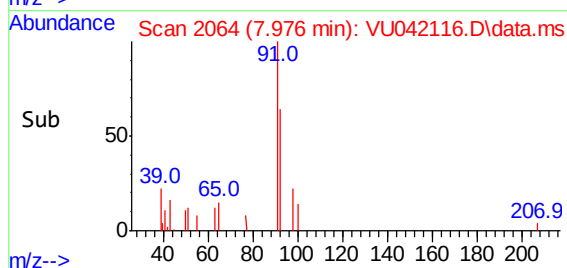
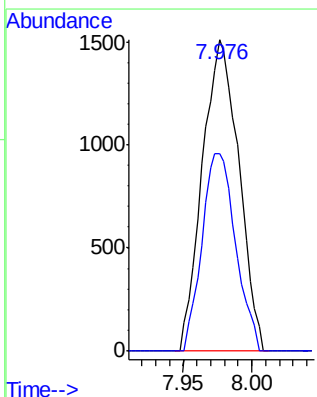
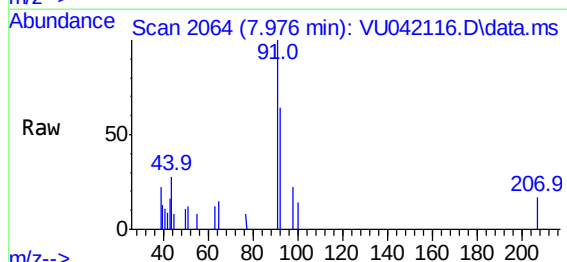
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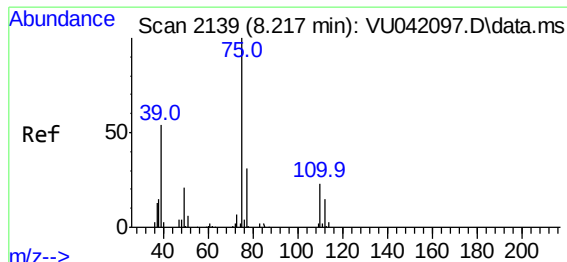
Tgt Ion: 75 Resp: 1471
 Ion Ratio Lower Upper
 75 100
 77 67.1 22.0 40.8#



#42
 Toluene
 Concen: 0.08 ug/L
 RT: 7.976 min Scan# 2064
 Delta R.T. 0.000 min
 Lab File: VU042116.D
 Acq: 20 Jan 2021 19:24

Tgt Ion: 91 Resp: 2772
 Ion Ratio Lower Upper
 91 100
 92 63.6 41.2 76.6



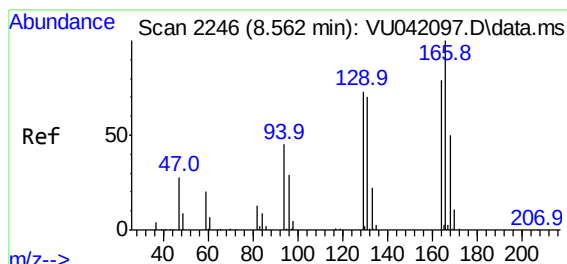
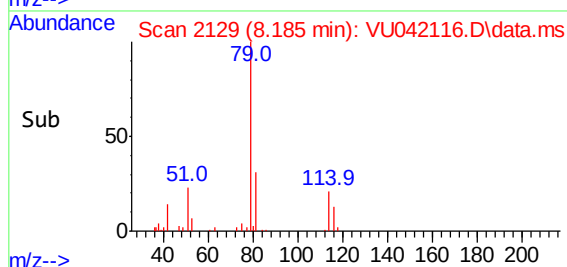
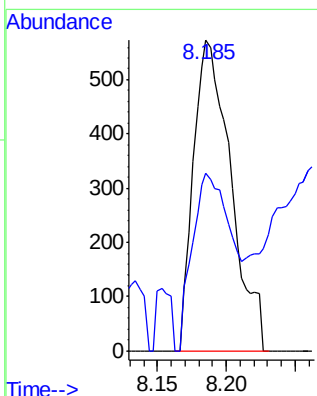
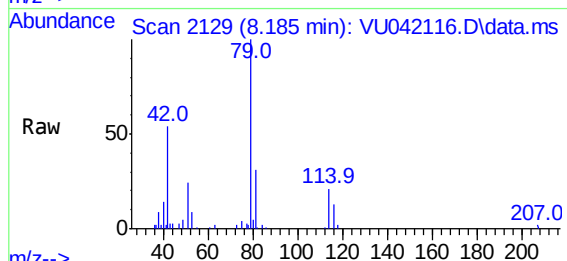


#44

trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

Instrument :
MSVOA_U
ClientSampleId :
F1E03

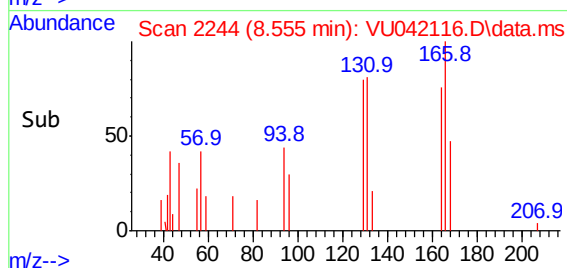
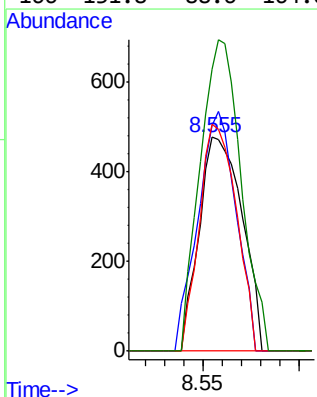
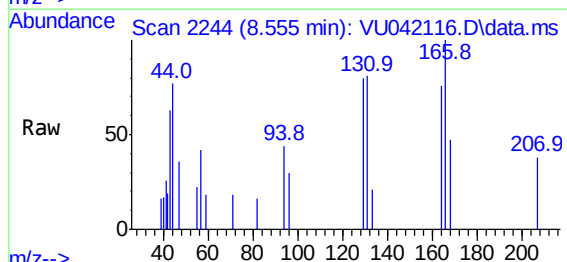
Tgt Ion: 75 Resp: 1083
Ion Ratio Lower Upper
75 100
77 57.1 21.8 40.4#

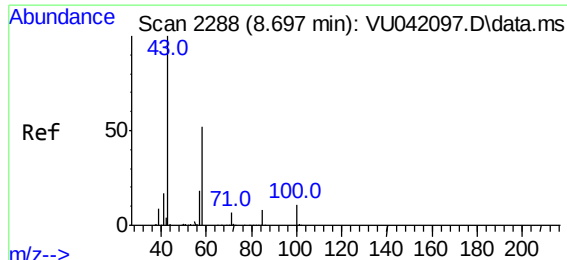


#47

Tetrachloroethene
Concen: 0.10 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.006 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

Tgt Ion: 164 Resp: 737
Ion Ratio Lower Upper
164 100
129 105.9 64.3 119.5
131 106.3 62.2 115.6
166 131.8 88.6 164.6

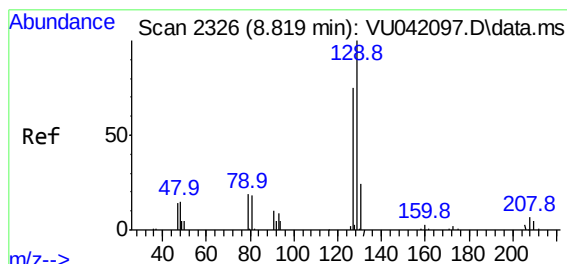
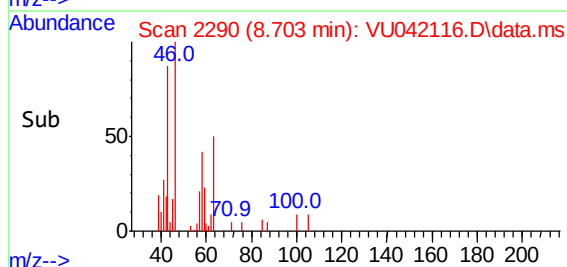
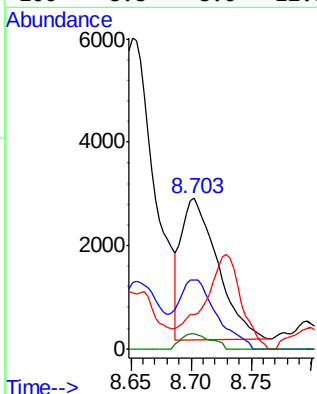
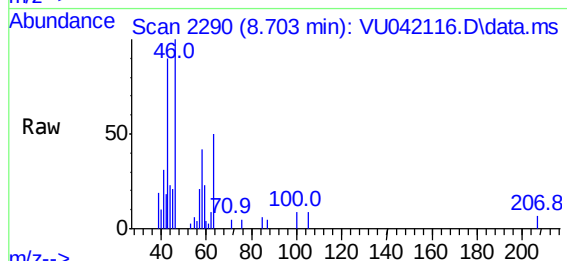




#48
2-Hexanone
Concen: 1.10 ug/L
RT: 8.703 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

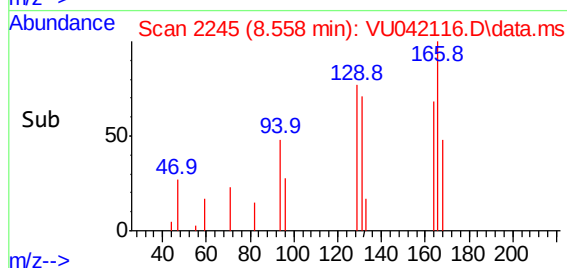
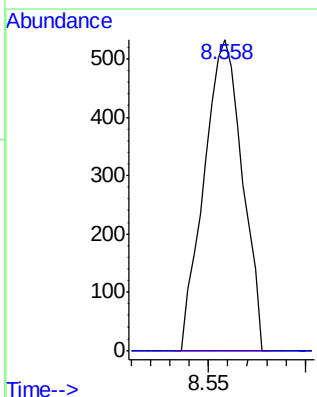
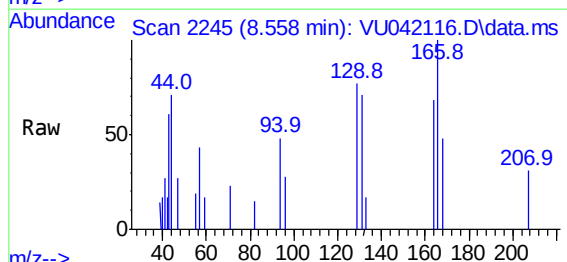
Instrument :
MSVOA_U
ClientSampleId :
F1E03

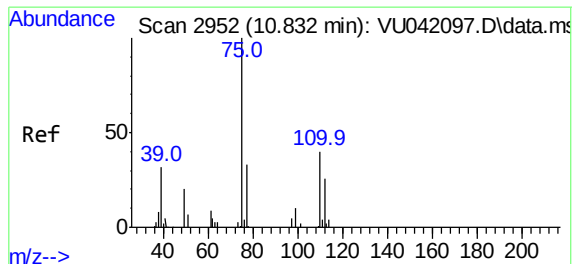
Tgt Ion: 43 Resp: 5700
Ion Ratio Lower Upper
43 100
58 52.9 40.6 61.0
57 69.9 14.9 22.3#
100 8.8 8.6 12.8



#49
Dibromochloromethane
Concen: 0.09 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042116.D
Acq: 20 Jan 2021 19:24

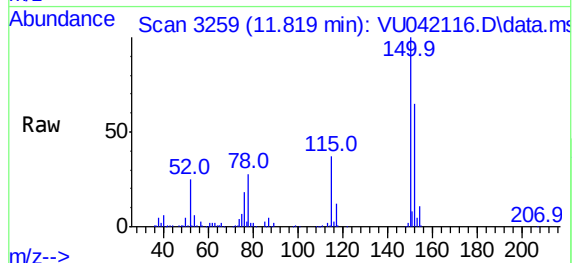
Tgt Ion: 129 Resp: 733
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#





#59
 1,2,3-Trichloropropane
 Concen: 1.04 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU042116.D
 Acq: 20 Jan 2021 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E03



Tgt Ion: 75 Resp: 6390
 Ion Ratio Lower Upper
 75 100
 77 39.8 26.0 39.0#

