

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020321\
 Data File : VU042250.D
 Acq On : 03 Feb 2021 22:38
 Operator : SY/MD
 Sample : M1259-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E68

Quant Time: Feb 04 05:35:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 04 05:34:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	103919	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	95745	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	49604	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	19134	2.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.00%
7) Chloroethane-d5	1.919	69	18791	3.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.60%
11) 1,1-Dichloroethene-d2	2.575	63	36715	2.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.80%#
20) 2-Butanone-d5	4.649	46	125541	51.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	5.073	84	57415	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
26) 1,2-Dichloroethane-d4	5.713	65	38462	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.735	84	102933	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.700	67	37183	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.906	98	95052	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloroprop...	8.189	79	16032	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.645	63	89705	50.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	33752	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.201	152	43145	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%
Target Compounds						
3) Chloromethane	1.520	50	653	0.07	ug/L #	71
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	324	0.04	ug/L #	18
13) Acetone	2.658	43	2358	1.45	ug/L	65
17) Methyl tert-butyl Ether	3.372	73	5314	0.26	ug/L	96
22) cis-1,2-Dichloroethene	4.677	96	15597	1.95	ug/L	93
25) Chloroform	5.099	83	3272	0.23	ug/L	94
27) 1,2-Dichloroethane	5.739	62	664	0.07	ug/L #	75
34) Trichloroethene	6.552	95	8116	1.07	ug/L	95
35) Methylcyclohexane	6.700	83	8469	0.66	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	4399	0.59	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1130	0.09	ug/L #	68
44) trans-1,3-Dichloropropene	8.189	75	719	0.06	ug/L #	67
45) 1,1,2-Trichloroethane	8.558	97	589	0.11	ug/L #	15
47) Tetrachloroethene	8.562	164	70686	11.19	ug/L	97
48) 2-Hexanone	8.645	43	12431	2.82	ug/L #	72
49) Dibromochloromethane	8.562	129	64523	8.84	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	5700	1.09	ug/L	93

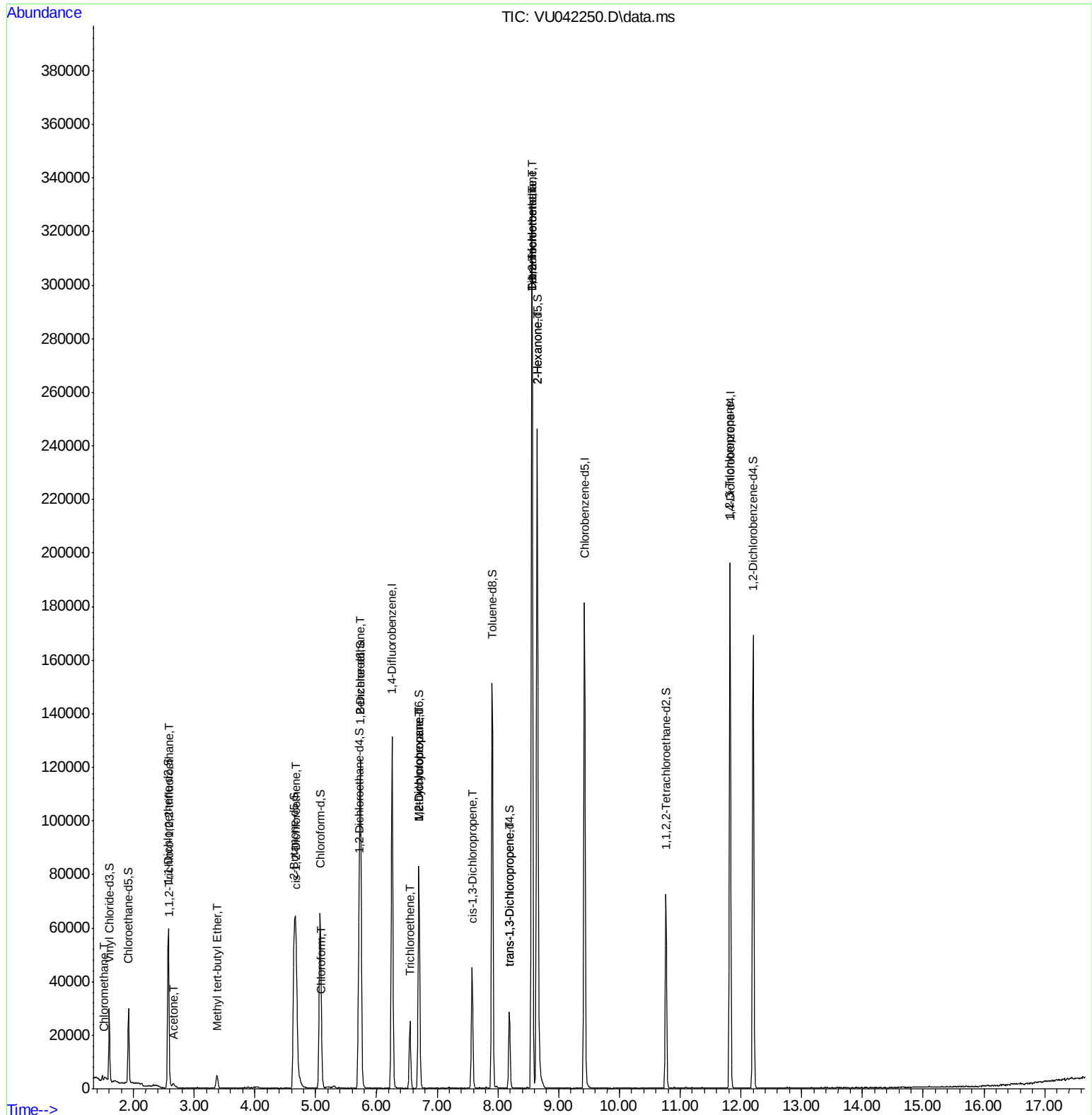
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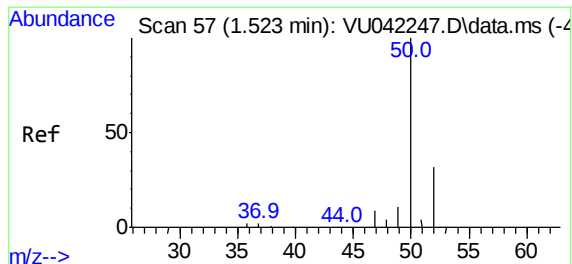
Instrument :
MSVOA_U
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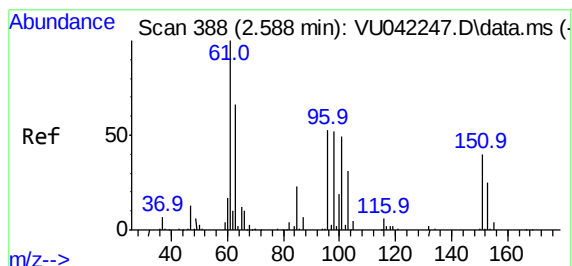
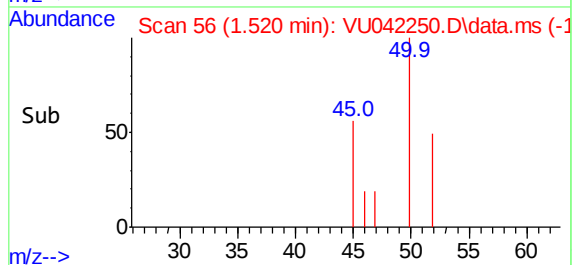
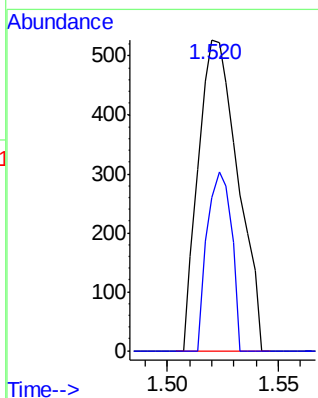
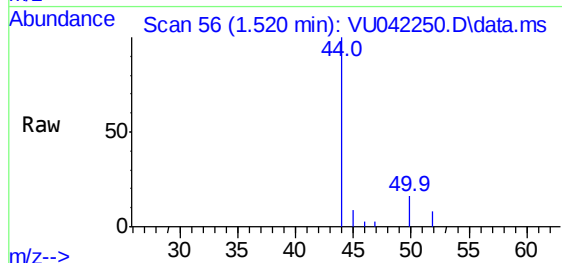




#3
Chloromethane
Concen: 0.07 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

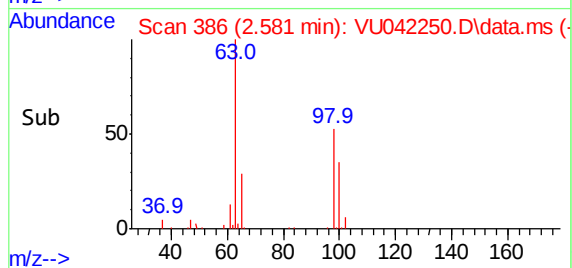
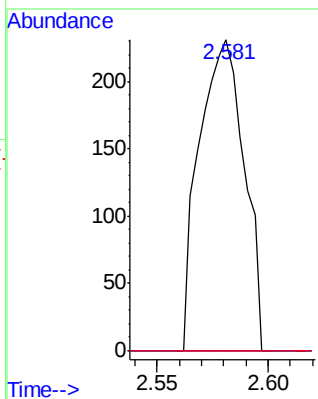
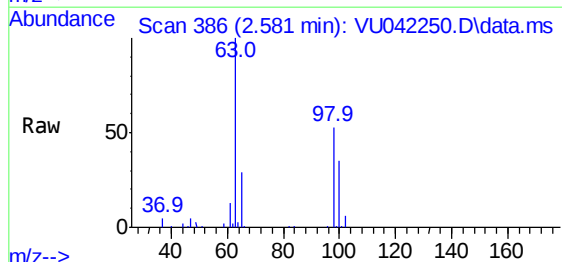
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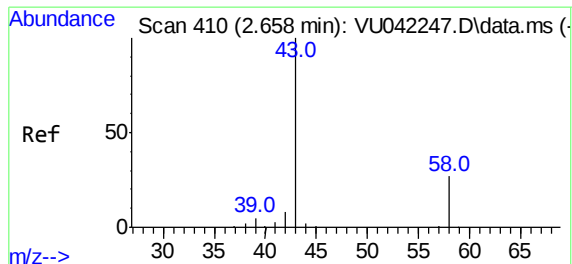
Tgt Ion: 50 Resp: 653
Ion Ratio Lower Upper
50 100
52 49.3 23.0 42.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.04 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Tgt Ion: 101 Resp: 324
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

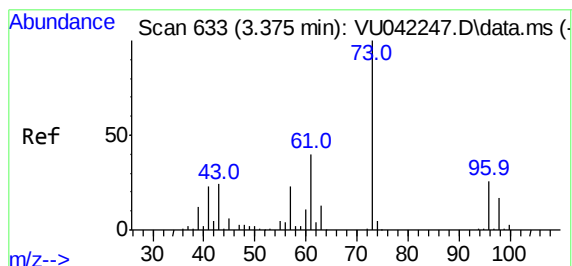
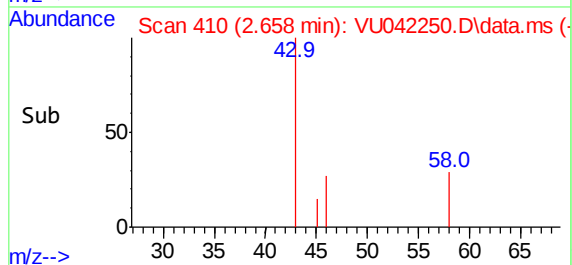
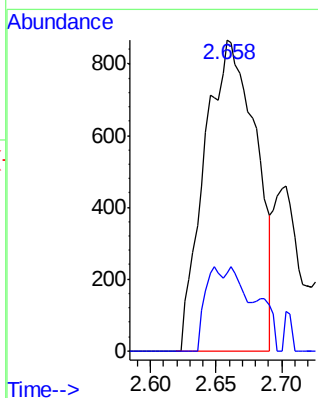
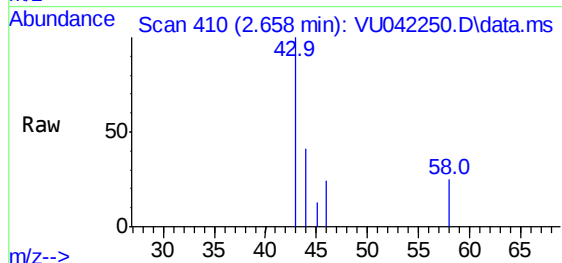




#13
Acetone
Concen: 1.45 ug/L
RT: 2.658 min Scan# 410
Delta R.T. -0.000 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

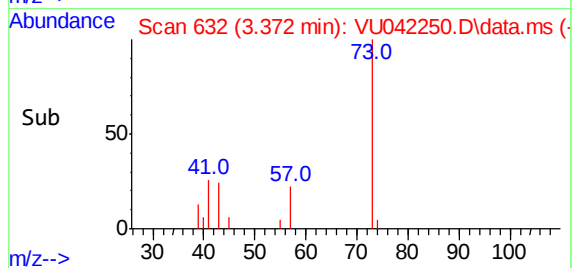
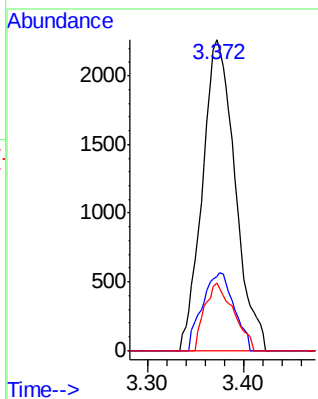
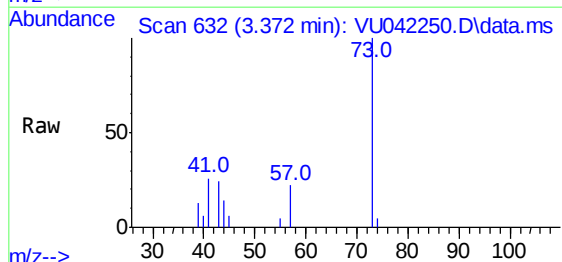
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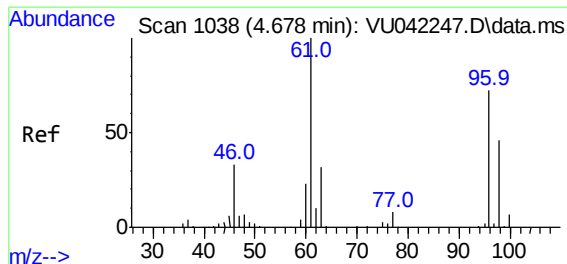
Tgt Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
58 9.4 0.0 55.8



#17
Methyl tert-butyl Ether
Concen: 0.26 ug/L
RT: 3.372 min Scan# 632
Delta R.T. -0.003 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Tgt Ion: 73 Resp: 5314
Ion Ratio Lower Upper
73 100
43 24.1 18.9 28.3
57 19.1 18.2 27.4

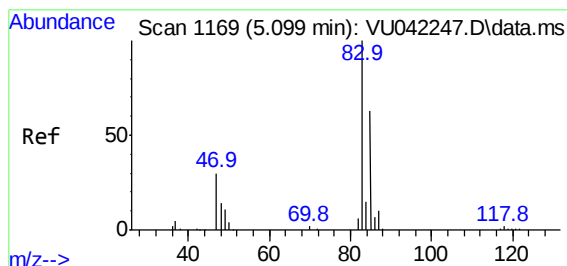
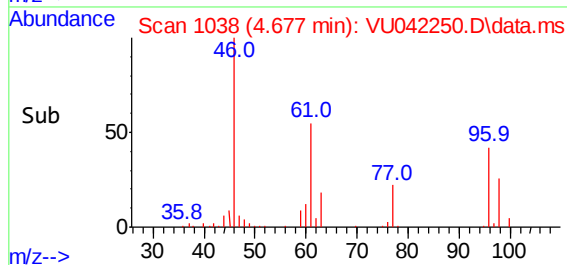
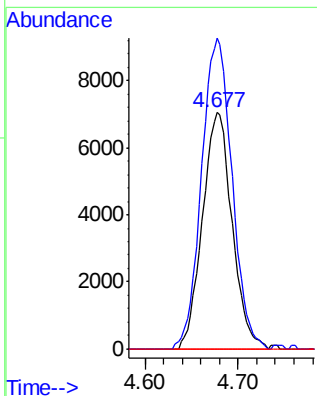
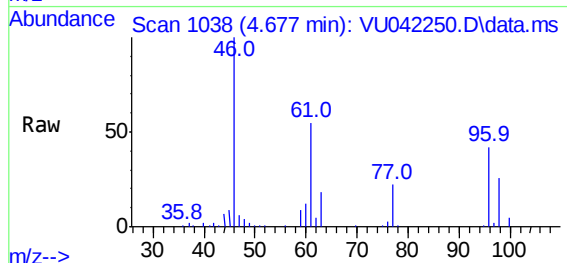




#22
cis-1,2-Dichloroethene
Concen: 1.95 ug/L
RT: 4.677 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

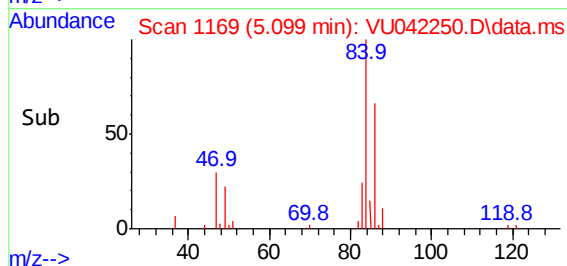
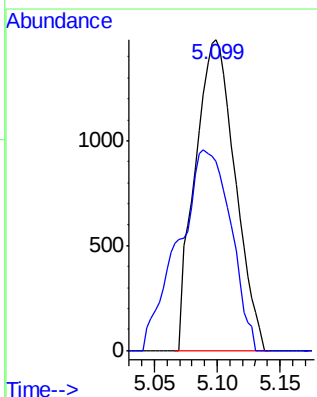
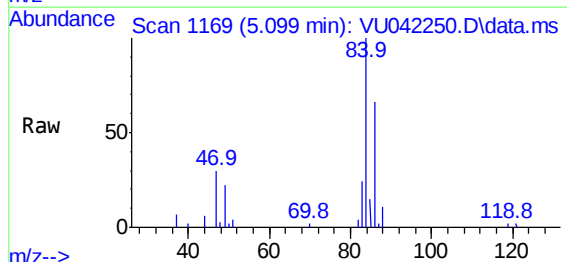
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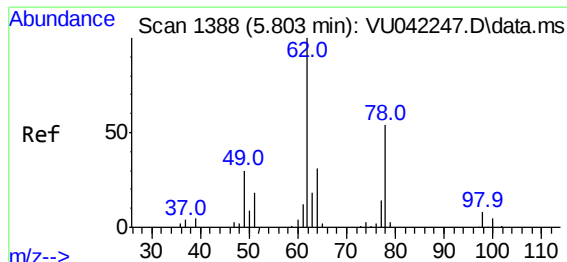
Tgt Ion: 96 Resp: 15597
Ion Ratio Lower Upper
96 100
61 131.5 97.8 181.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.23 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Tgt Ion: 83 Resp: 3272
Ion Ratio Lower Upper
83 100
85 60.7 45.7 84.9

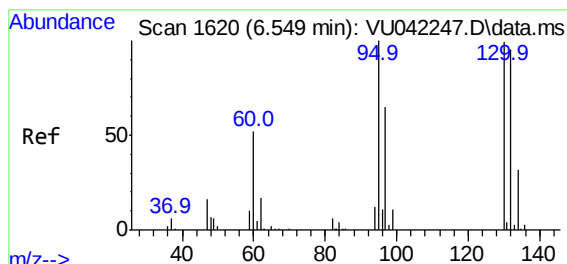
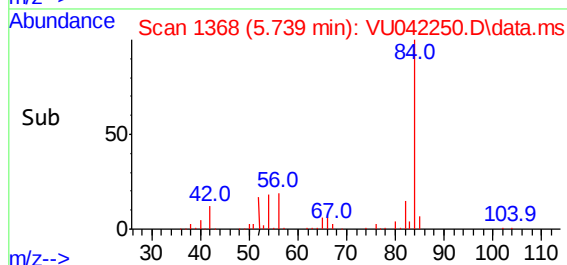
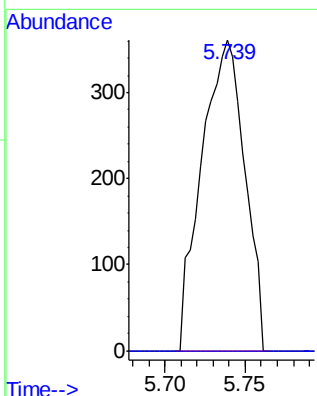
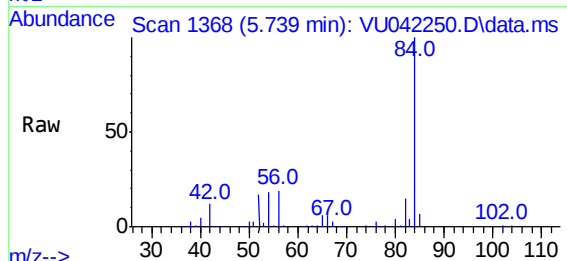




#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.739 min Scan# 1368
Delta R.T. -0.064 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

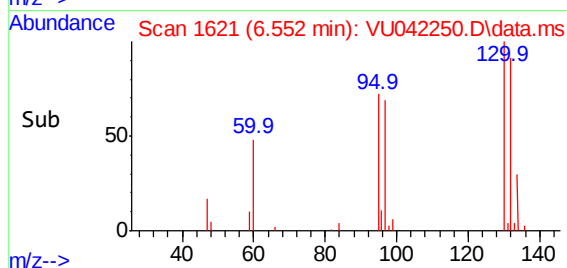
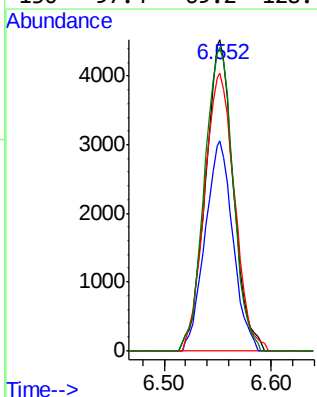
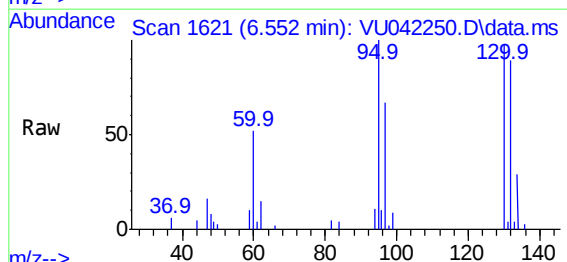
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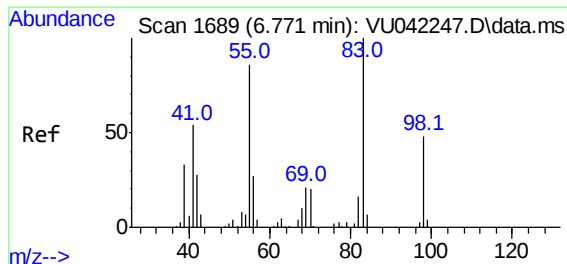
Tgt Ion: 62 Resp: 664
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#34
Trichloroethene
Concen: 1.07 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Tgt Ion: 95 Resp: 8116
Ion Ratio Lower Upper
95 100
97 67.3 44.4 82.4
132 89.1 68.0 126.4
130 97.4 69.2 128.4

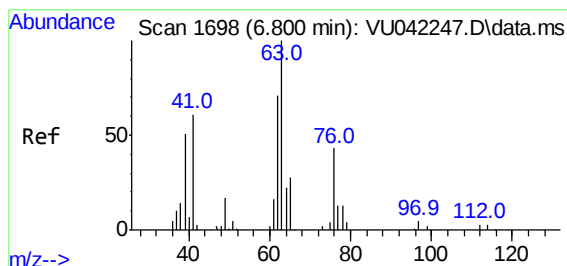
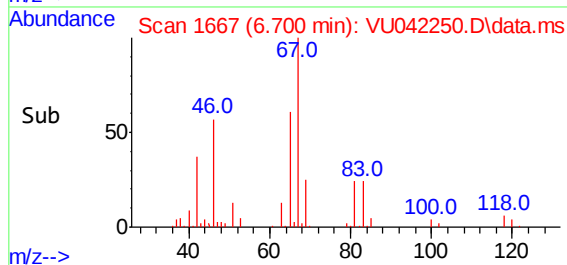
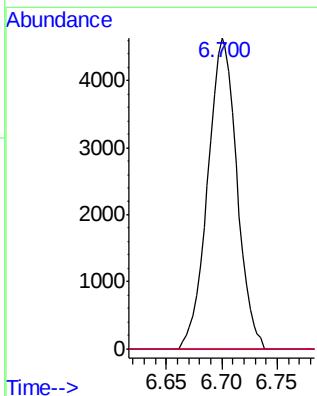
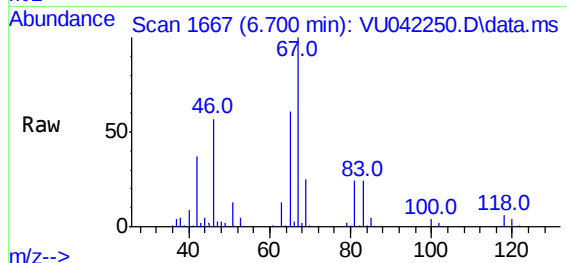




#35
Methylcyclohexane
Concen: 0.66 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

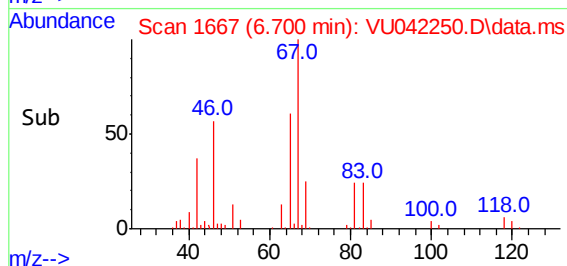
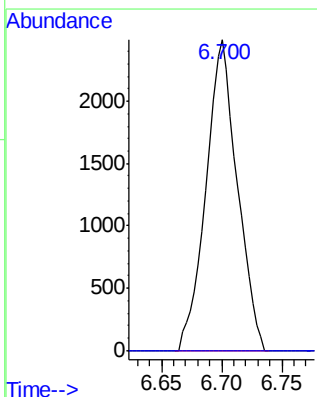
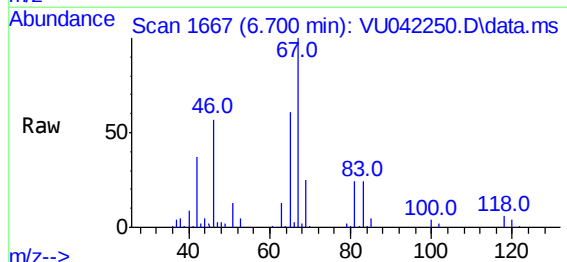
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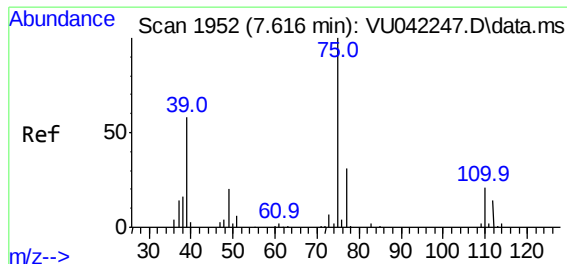
Tgt Ion: 83 Resp: 8469
Ion Ratio Lower Upper
83 100
55 0.0 68.2 102.4#
98 1.8 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.59 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Tgt Ion: 63 Resp: 4399
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

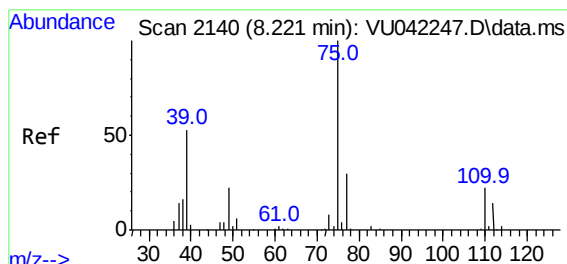
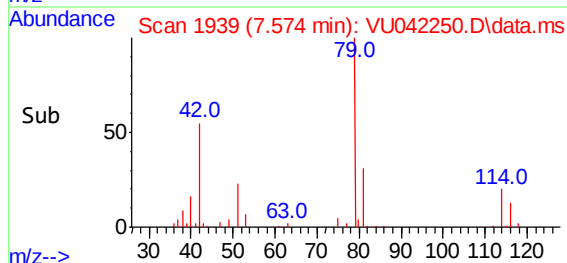
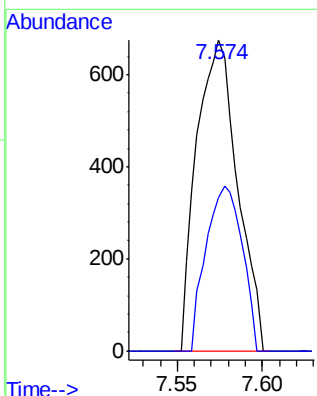
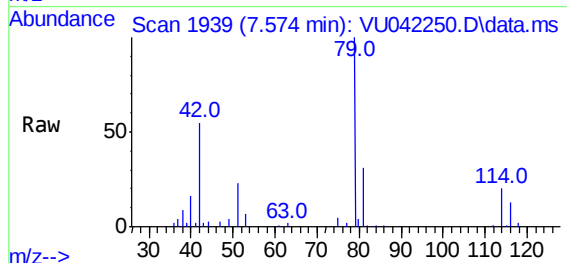




#39
 cis-1,3-Dichloropropene
 Concen: 0.09 ug/L
 RT: 7.574 min Scan# 1939
 Delta R.T. -0.042 min
 Lab File: VU042250.D
 Acq: 03 Feb 2021 22:38

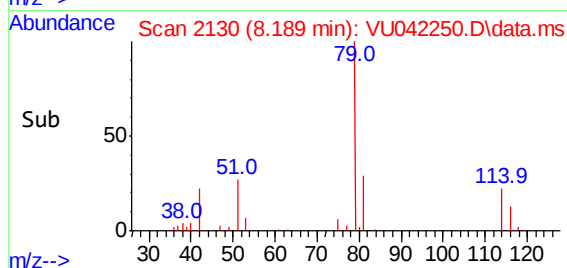
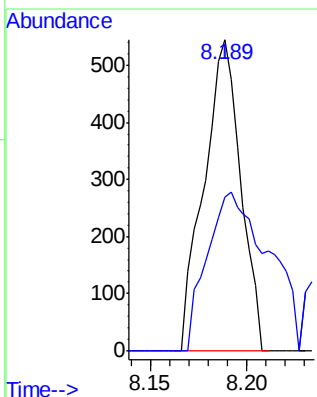
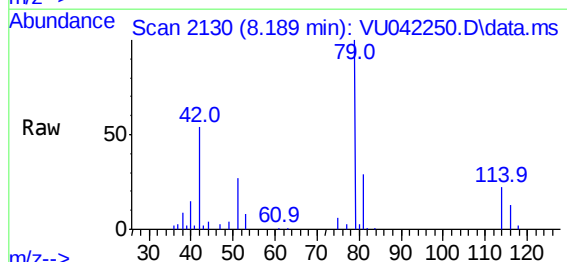
Instrument :
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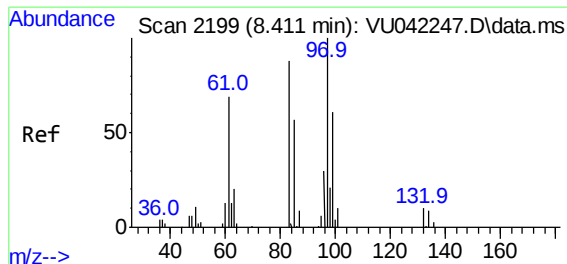
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 Ion Ratio Lower Upper
 75 100
 77 49.2 22.0 40.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.06 ug/L
 RT: 8.189 min Scan# 2130
 Delta R.T. -0.032 min
 Lab File: VU042250.D
 Acq: 03 Feb 2021 22:38

Tgt Ion: 75 Resp: 719
 Ion Ratio Lower Upper
 75 100
 77 49.5 21.8 40.4#



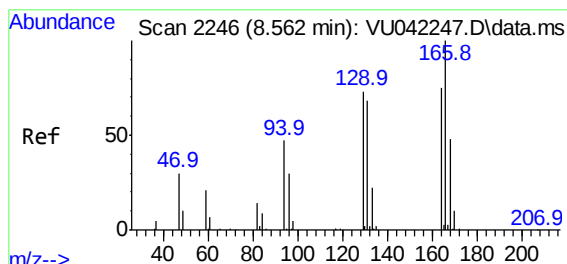
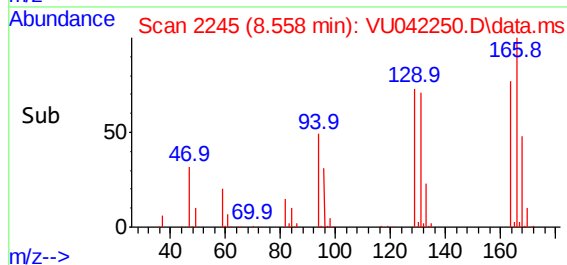
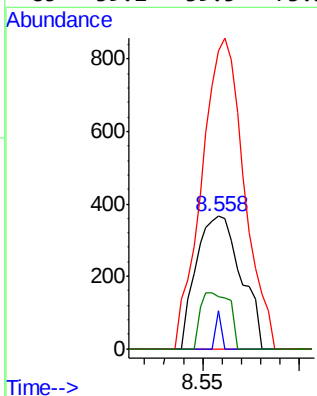
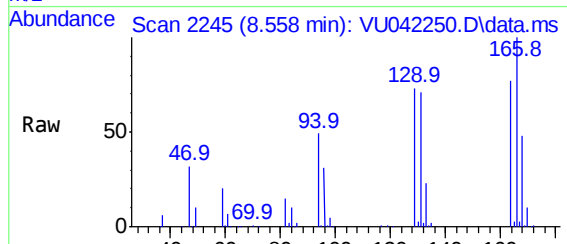


#45
1,1,2-Trichloroethane
Concen: 0.11 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.148 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Instrument :
MSVOA_U
ClientSampleId :
F1E68

Tgt Ion: 97 Resp: 589

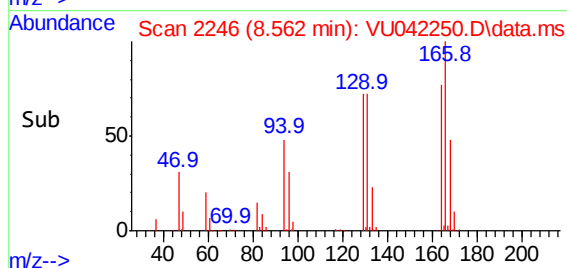
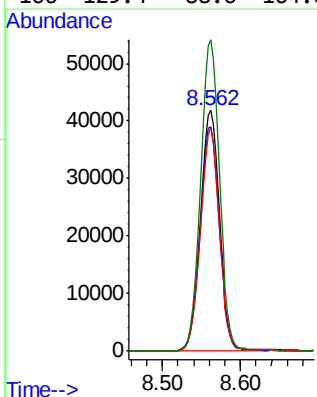
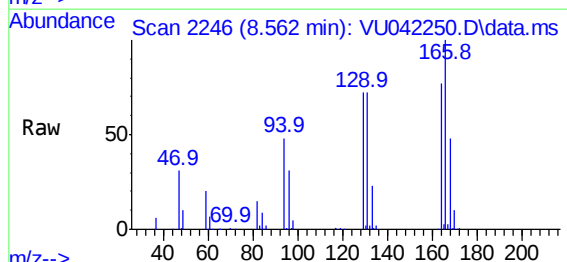
Ion	Ratio	Lower	Upper
97	100		
99	28.8	44.0	81.8#
83	225.2	57.6	107.0#
85	39.2	39.5	73.3#

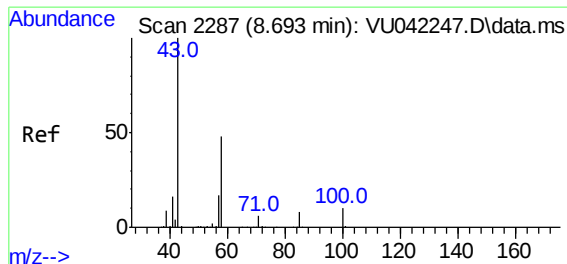


#47
Tetrachloroethene
Concen: 11.19 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Tgt Ion: 164 Resp: 70686

Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.3	119.5
131	92.9	62.2	115.6
166	129.4	88.6	164.6



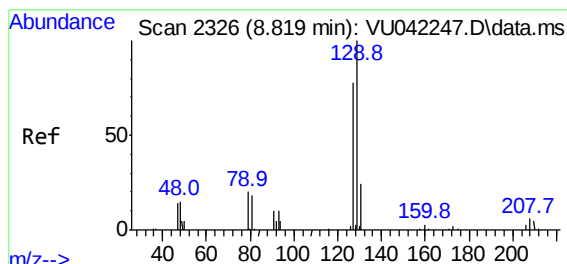
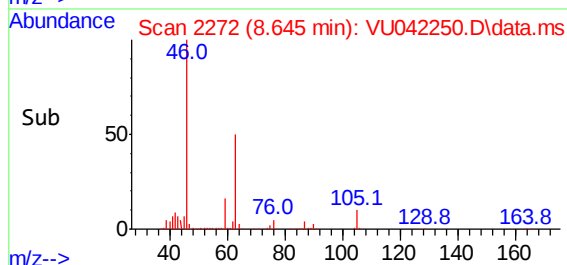
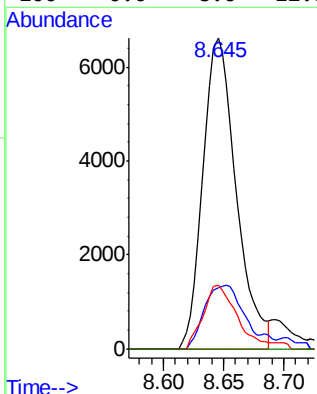
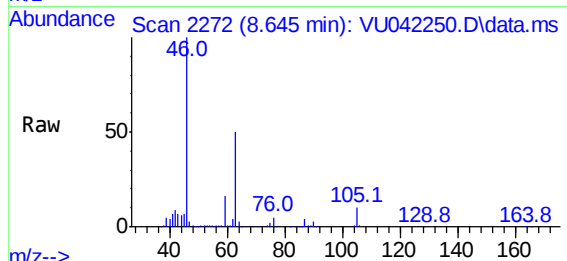


#48
2-Hexanone
Concen: 2.82 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.048 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Instrument :
MSVOA_U
ClientSampleId :
F1E68

Tgt Ion: 43 Resp: 12431

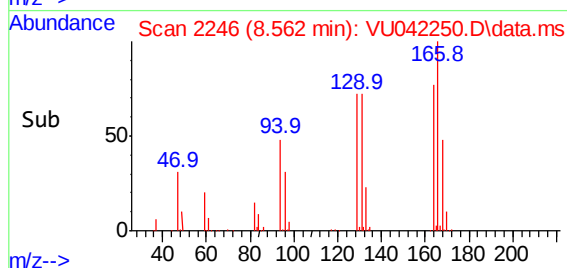
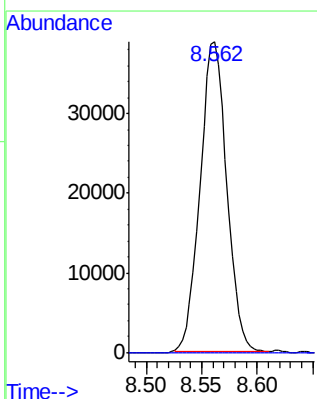
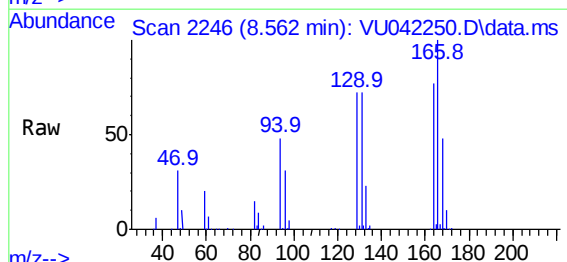
Ion	Ratio	Lower	Upper
43	100		
58	25.4	40.6	61.0#
57	20.8	14.9	22.3
100	0.0	8.6	12.8#

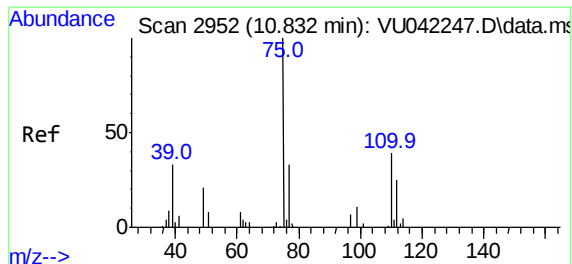


#49
Dibromochloromethane
Concen: 8.84 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042250.D
Acq: 03 Feb 2021 22:38

Tgt Ion: 129 Resp: 64523

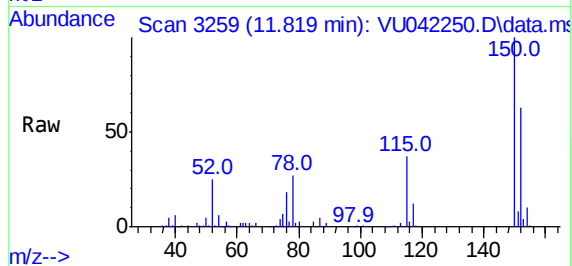
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.3	97.1#





#59
 1,2,3-Trichloropropane
 Concen: 1.09 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU042250.D
 Acq: 03 Feb 2021 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E68



Tgt Ion: 75 Resp: 5700
 Ion Ratio Lower Upper
 75 100
 77 36.4 26.0 39.0

