

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020921\
 Data File : VU042297.D
 Acq On : 09 Feb 2021 15:16
 Operator : SY/MD
 Sample : M1351-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR5

Quant Time: Feb 10 02:30:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 10 02:29:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	113311	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	106812	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	54432	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	30748	4.21	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	84.20%		
7) Chloroethane-d5	1.919	69	27274	4.63	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	92.60%		
11) 1,1-Dichloroethene-d2	2.575	63	57055	3.54	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	70.80%		
20) 2-Butanone-d5	4.649	46	113852	42.69	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	85.38%		
24) Chloroform-d	5.073	84	72974	4.78	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	95.60%		
26) 1,2-Dichloroethane-d4	5.713	65	47378	5.19	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	103.80%		
32) Benzene-d6	5.735	84	134049	4.80	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	96.00%		
36) 1,2-Dichloropropane-d6	6.700	67	45487	5.06	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	101.20%		
41) Toluene-d8	7.906	98	123487	4.68	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	93.60%		
43) trans-1,3-Dichloroprop...	8.189	79	18680	4.10	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	82.00%		
46) 2-Hexanone-d5	8.645	63	101449	51.10	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	102.20%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	38426	4.98	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	99.60%		
64) 1,2-Dichlorobenzene-d4	12.201	152	48751	4.99	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	99.80%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	564	0.06	ug/L #	80
9) Trichlorofluoromethane	2.144	101	171358	13.86	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	595	0.07	ug/L #	18
13) Acetone	2.665	43	1150	0.65	ug/L	58
15) Methyl Acetate	2.970	43	448	0.11	ug/L #	55
21) 2-Butanone	4.822	43	19458	6.54	ug/L #	52
22) cis-1,2-Dichloroethene	4.674	96	9318	1.07	ug/L	93
25) Chloroform	5.099	83	3339	0.21	ug/L	100
27) 1,2-Dichloroethane	5.739	62	791	0.07	ug/L #	75
31) Carbon tetrachloride	5.533	117	3889	0.31	ug/L	97
34) Trichloroethene	6.552	95	100887	11.90	ug/L	98
35) Methylcyclohexane	6.700	83	10580	0.74	ug/L #	16
37) 1,2-Dichloropropane	6.697	63	5308	0.64	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1395	0.10	ug/L #	70
44) trans-1,3-Dichloropropene	8.185	75	836	0.07	ug/L #	55
45) 1,1,2-Trichloroethane	8.407	97	729	0.12	ug/L	90
47) Tetrachloroethene	8.562	164	267886	38.02	ug/L	97
48) 2-Hexanone	8.645	43	15451	3.14	ug/L #	68
49) Dibromochloromethane	8.562	129	251735	30.91	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6355	1.09	ug/L #	87

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QLast Update : Wed Feb 10 02:29:25 2021
Response via : Initial Calibration

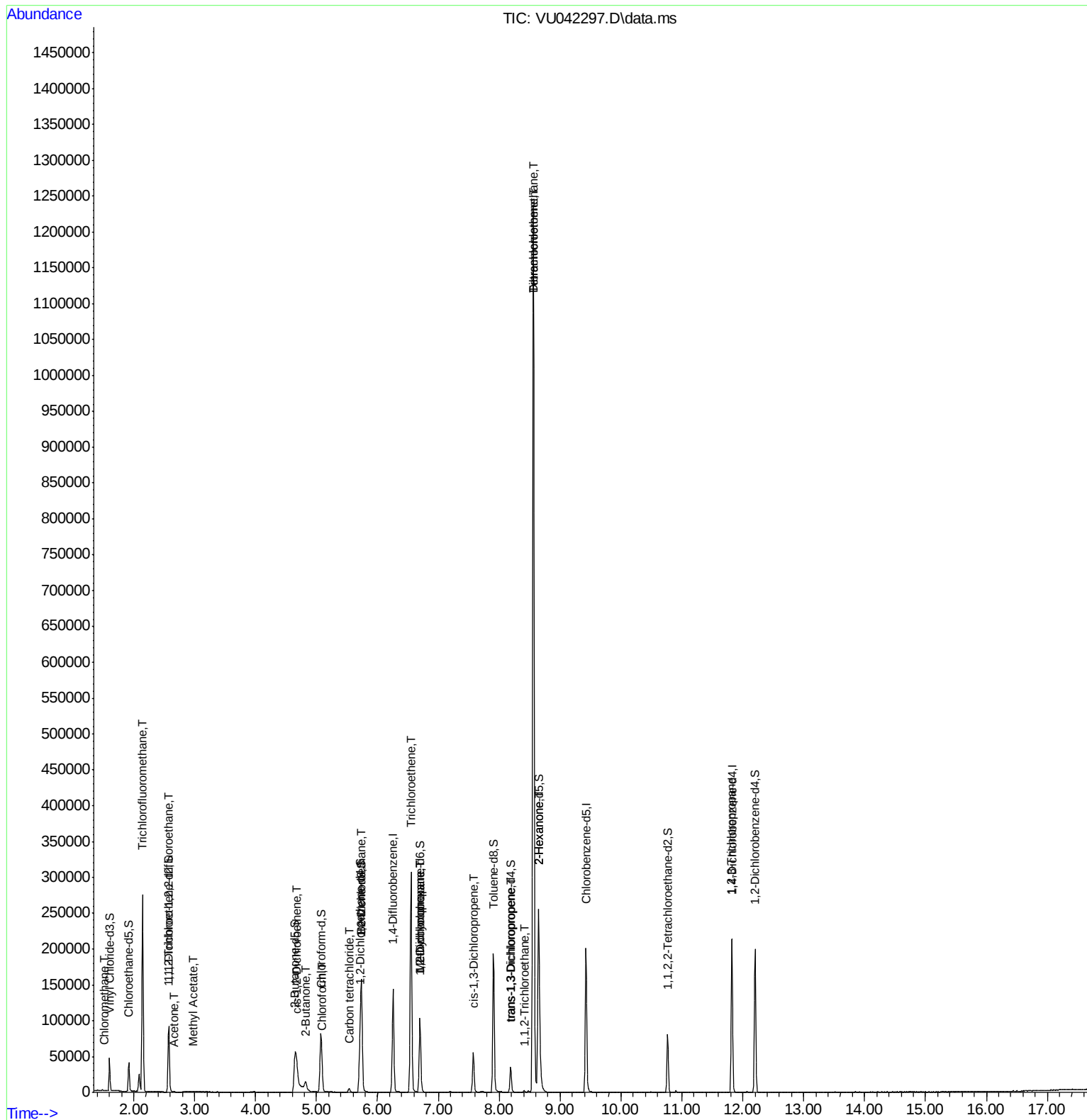
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

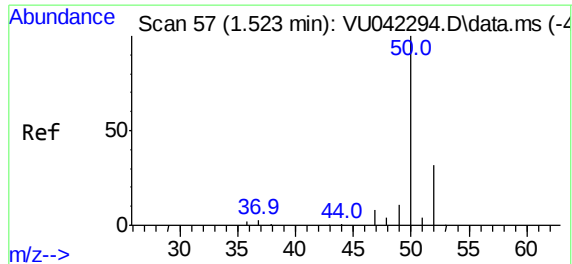
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.06 ug/L

RT: 1.520 min Scan# 56

Delta R.T. -0.003 min

Lab File: VU042297.D

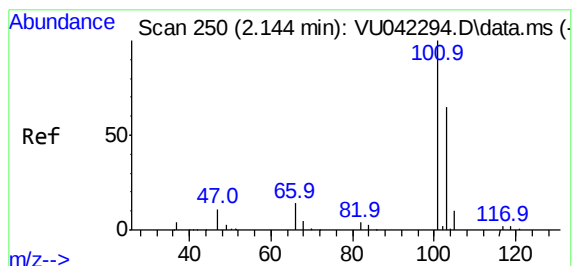
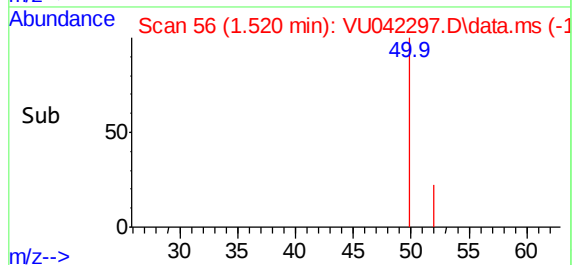
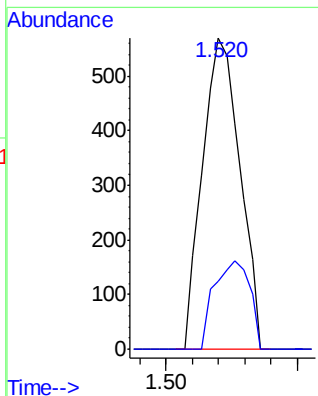
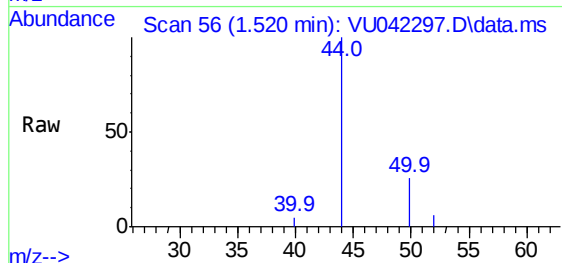
Acq: 09 Feb 2021 15:16

Tgt Ion: 50 Resp: 564

Ion Ratio Lower Upper

50 100

52 21.6 23.0 42.8#



#9

Trichlorofluoromethane

Concen: 13.86 ug/L

RT: 2.144 min Scan# 250

Delta R.T. 0.000 min

Lab File: VU042297.D

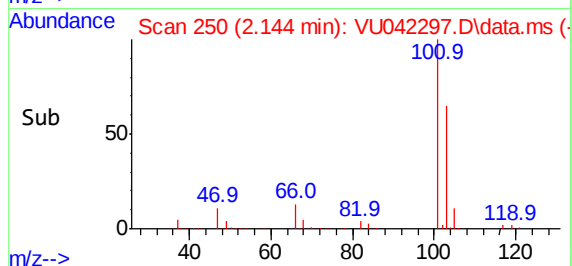
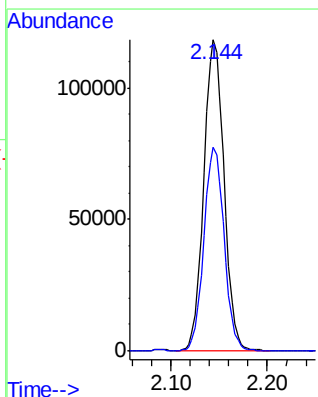
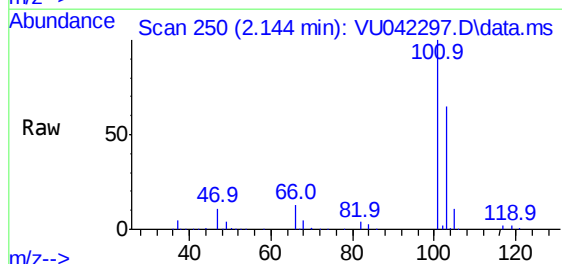
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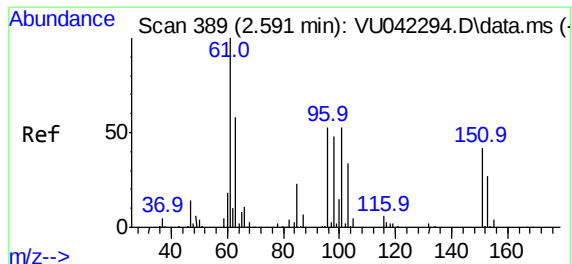
Tgt Ion:101 Resp: 171358

Ion Ratio Lower Upper

101 100

103 65.2 51.8 77.8

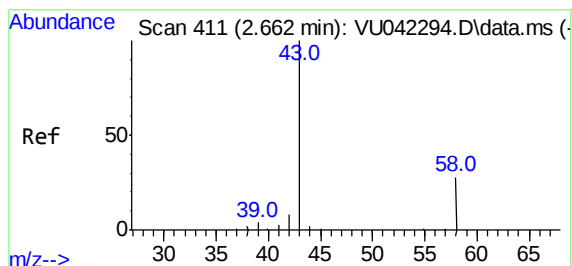
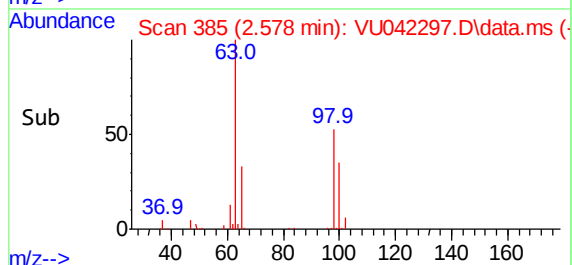
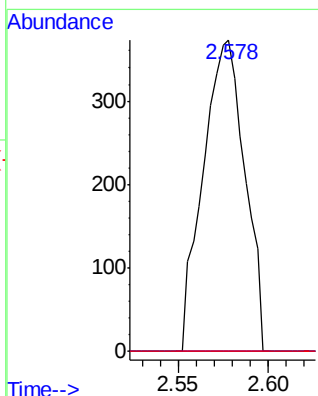
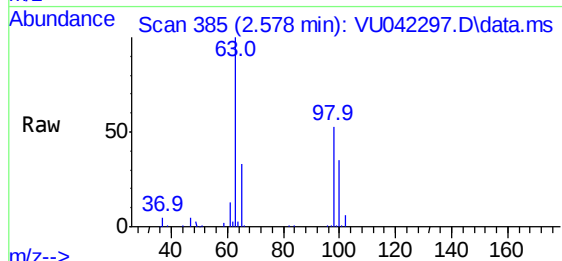




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.07 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.013 min
 Lab File: VU042297.D
 Acq: 09 Feb 2021 15:16

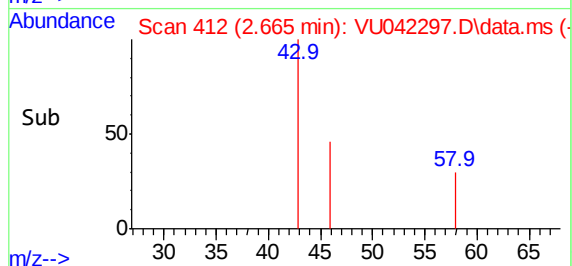
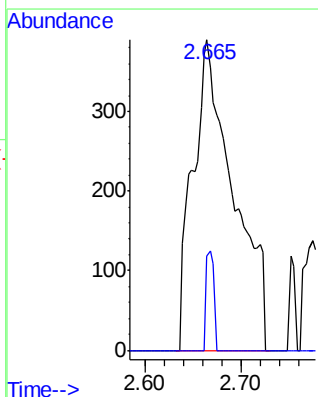
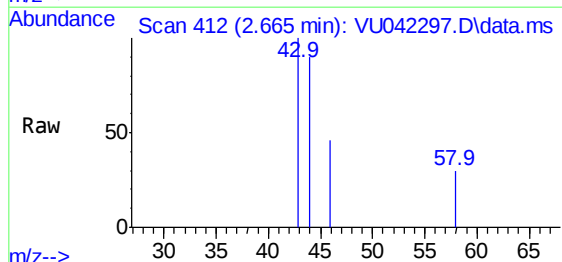
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR5

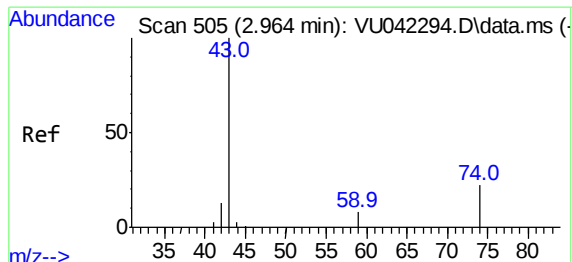
Tgt Ion:101 Resp: 595
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#13
 Acetone
 Concen: 0.65 ug/L
 RT: 2.665 min Scan# 412
 Delta R.T. 0.003 min
 Lab File: VU042297.D
 Acq: 09 Feb 2021 15:16

Tgt Ion: 43 Resp: 1150
 Ion Ratio Lower Upper
 43 100
 58 5.9 0.0 55.8

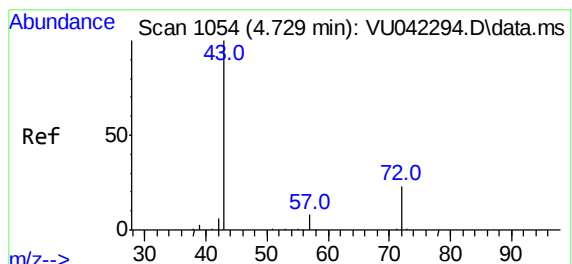
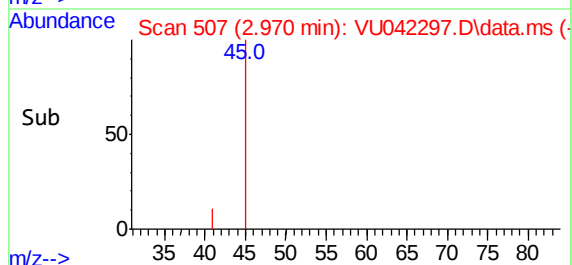
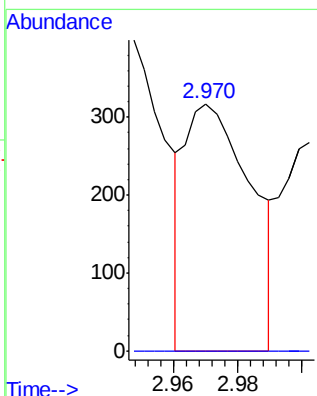
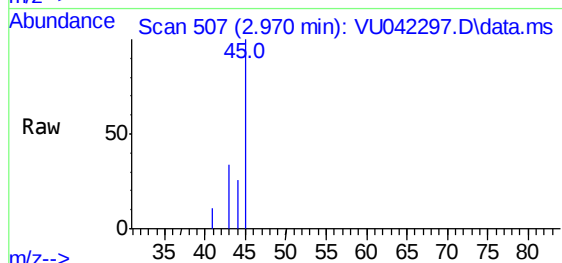




#15
Methyl Acetate
Concen: 0.11 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.006 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

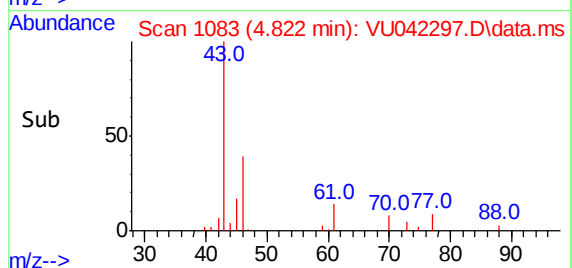
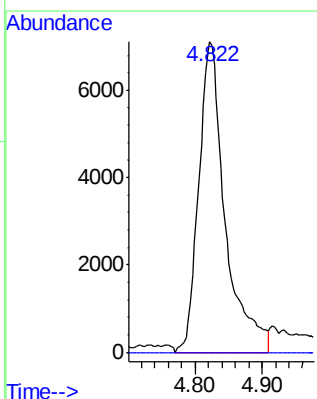
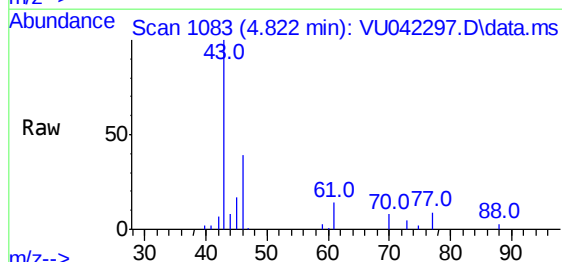
Instrument :
MSVOA_U
ClientSampleId :
C0AR5

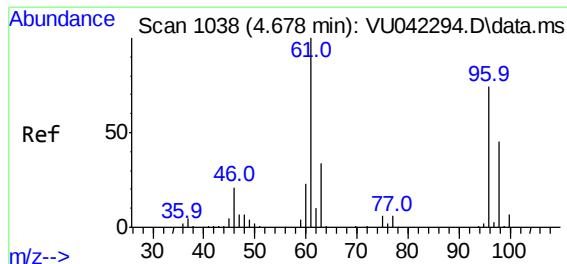
Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#21
2-Butanone
Concen: 6.54 ug/L
RT: 4.822 min Scan# 1083
Delta R.T. 0.093 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

Tgt Ion: 43 Resp: 19458
Ion Ratio Lower Upper
43 100
72 0.0 11.7 35.1#



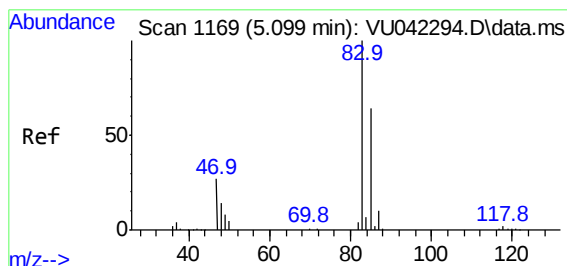
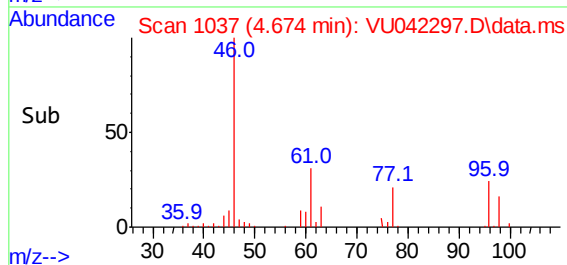
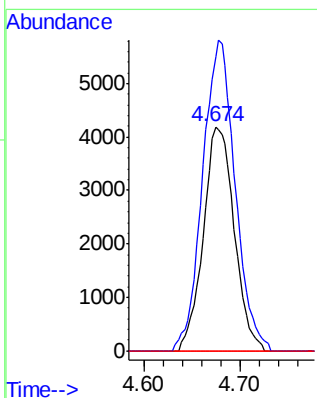
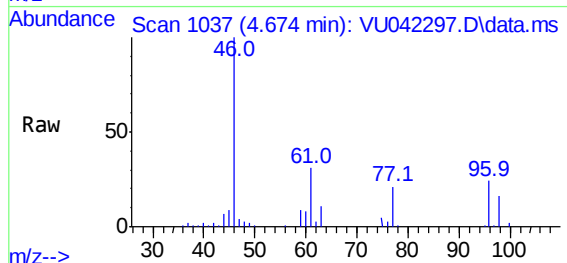


#22
 cis-1,2-Dichloroethene
 Concen: 1.07 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU042297.D
 Acq: 09 Feb 2021 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR5

Tgt Ion: 96 Resp: 9318

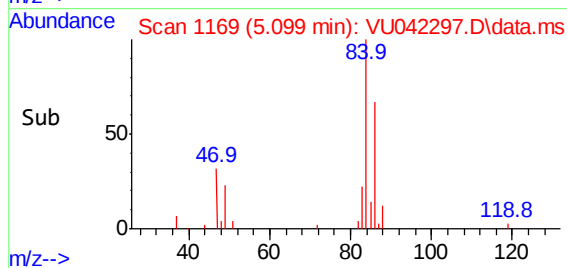
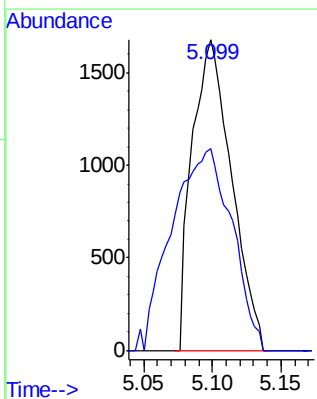
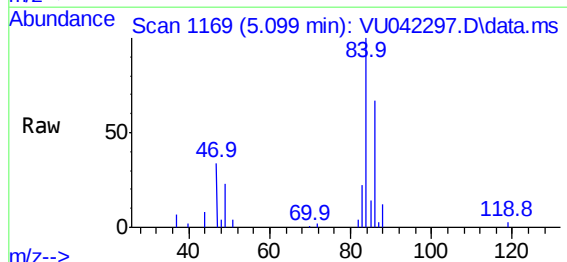
Ion	Ratio	Lower	Upper
96	100		
61	131.5	97.8	181.6
68	0.0	0.0	0.0

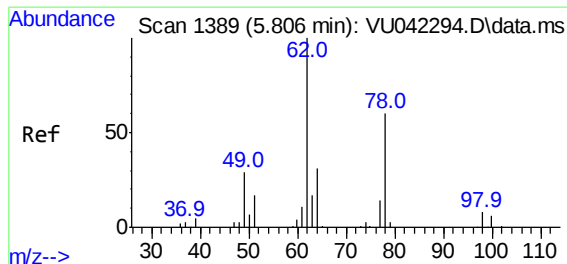


#25
 Chloroform
 Concen: 0.21 ug/L
 RT: 5.099 min Scan# 1169
 Delta R.T. 0.000 min
 Lab File: VU042297.D
 Acq: 09 Feb 2021 15:16

Tgt Ion: 83 Resp: 3339

Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.7	84.9

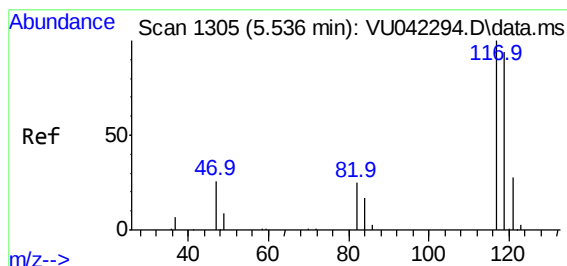
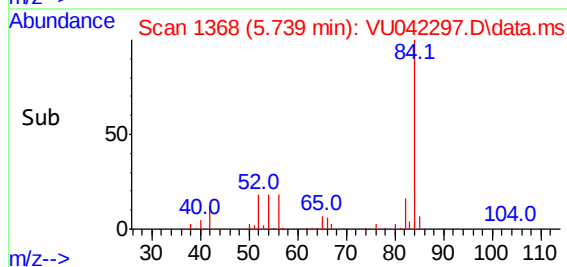
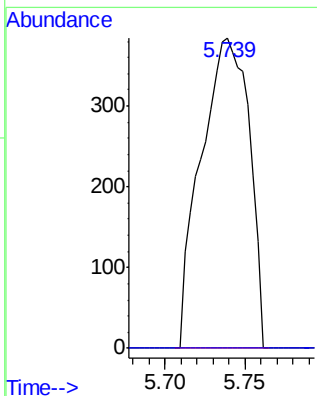
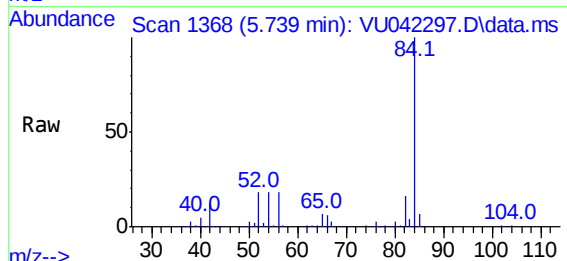




#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.739 min Scan# 1368
Delta R.T. -0.068 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

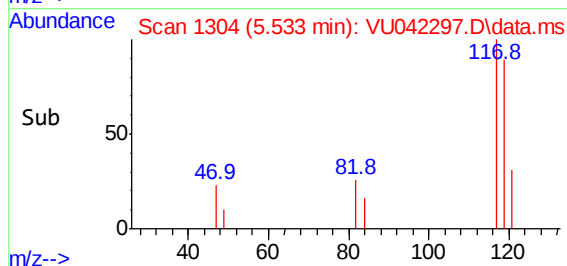
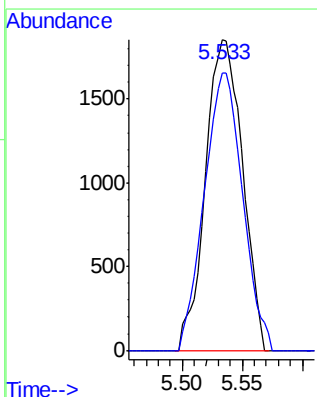
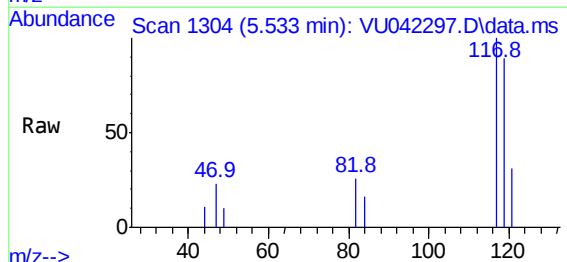
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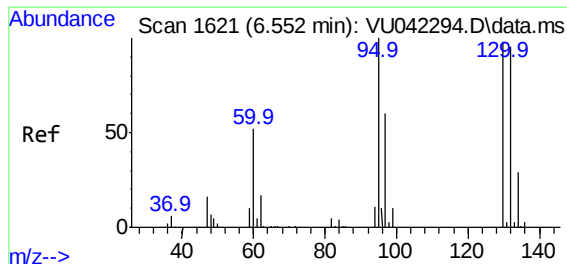
Tgt Ion: 62 Resp: 791
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#31
Carbon tetrachloride
Concen: 0.31 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. -0.003 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

Tgt Ion: 117 Resp: 3889
Ion Ratio Lower Upper
117 100
119 92.4 76.2 114.4

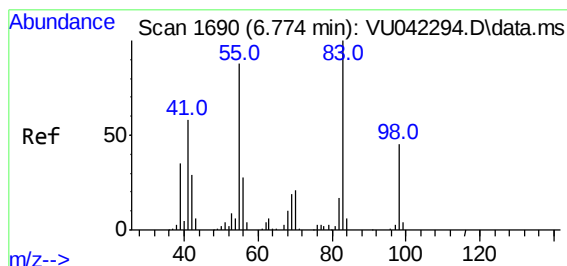
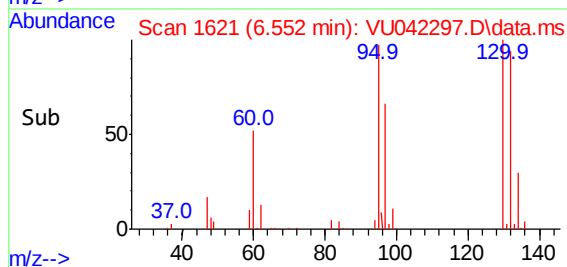
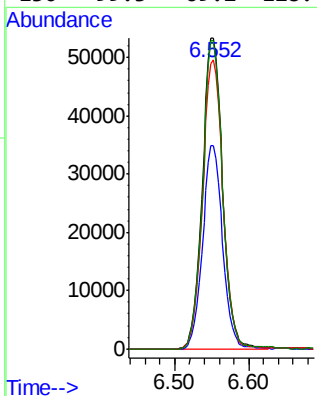
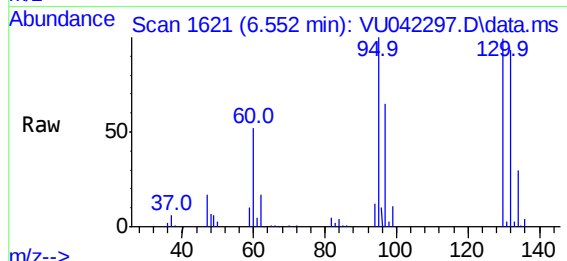




#34
Trichloroethene
Concen: 11.90 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

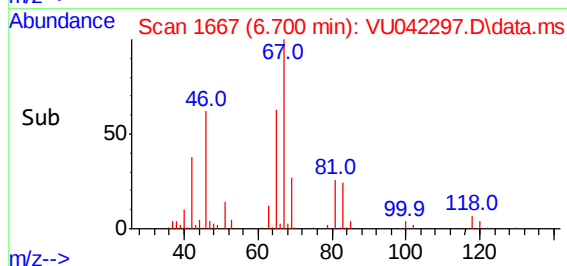
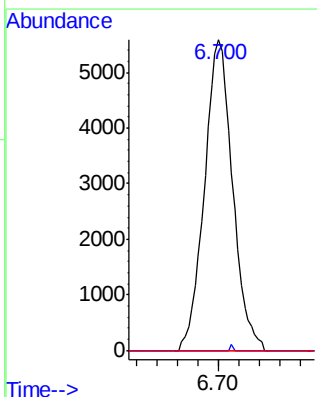
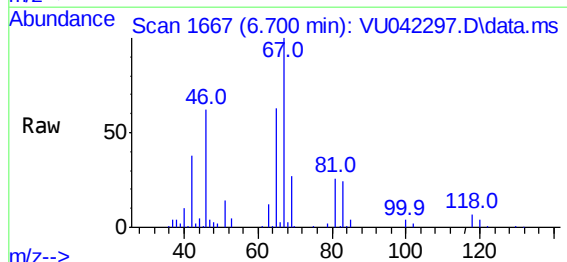
Instrument :
MSVOA_U
ClientSampled :
C0AR5

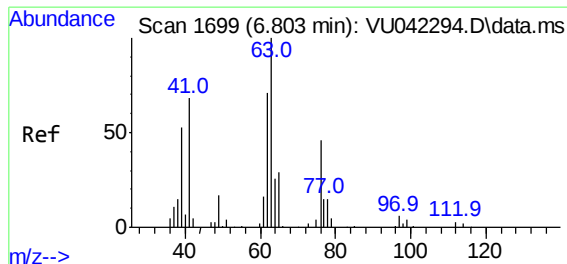
Tgt Ion: 95 Resp: 100887
Ion Ratio Lower Upper
95 100
97 65.4 44.4 82.4
132 93.2 68.0 126.4
130 99.3 69.2 128.4



#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

Tgt Ion: 83 Resp: 10580
Ion Ratio Lower Upper
83 100
55 0.2 68.2 102.4#
98 1.8 39.7 59.5#

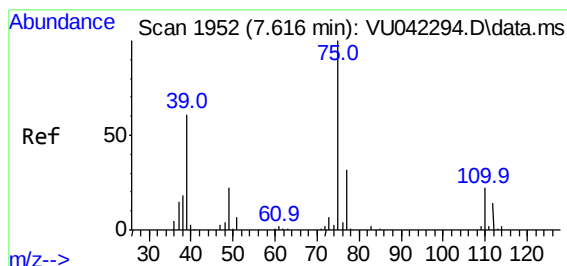
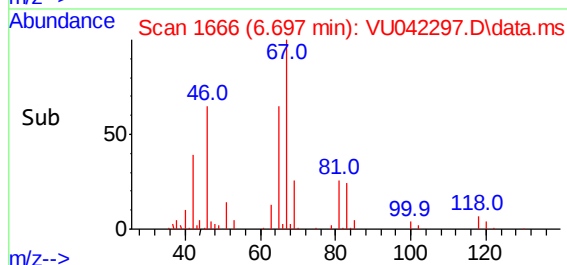
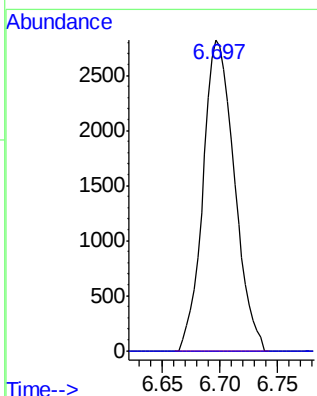
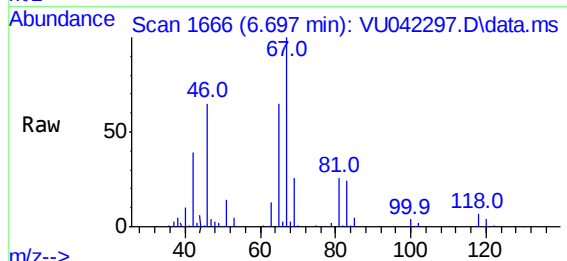




#37
1,2-Dichloropropane
Concen: 0.64 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.106 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

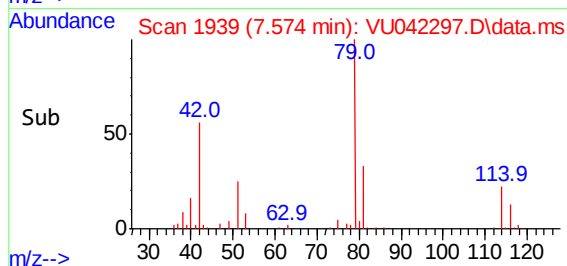
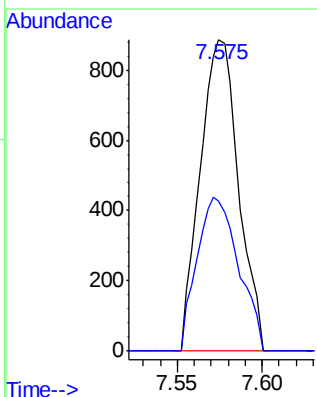
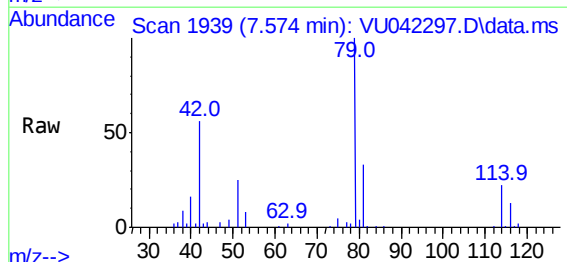
Instrument :
MSVOA_U
ClientSampleId :
C0AR5

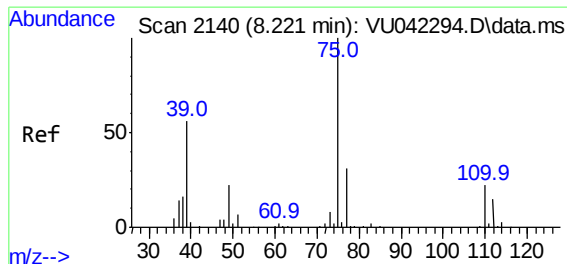
Tgt Ion: 63 Resp: 5308
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

Tgt Ion: 75 Resp: 1395
Ion Ratio Lower Upper
75 100
77 48.1 22.0 40.8#



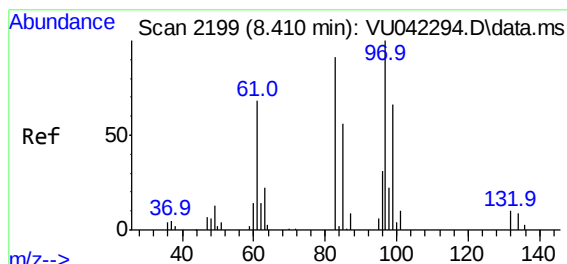
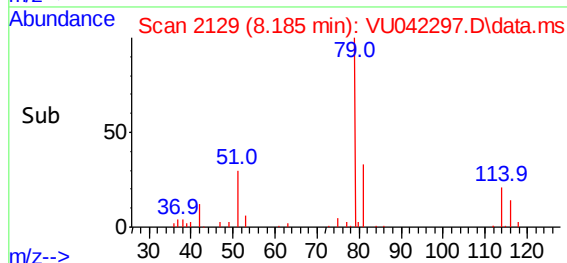
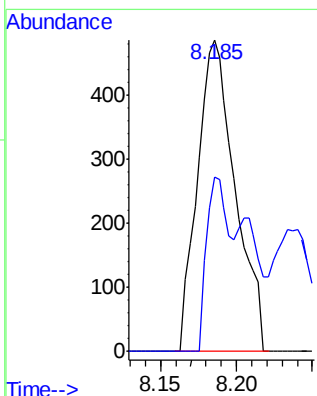
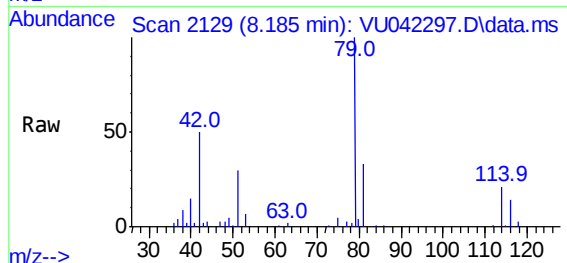


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.035 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

Instrument :
MSVOA_U
ClientSampleId :
C0AR5

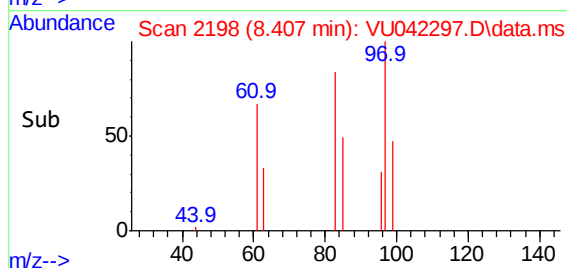
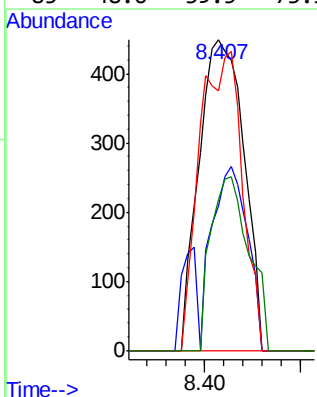
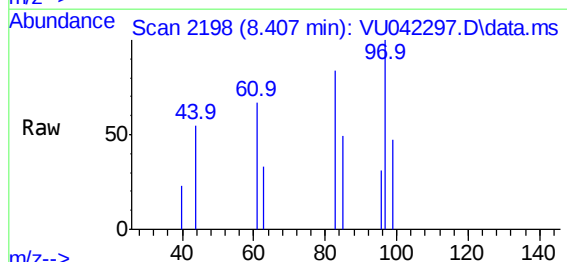
Tgt Ion: 75 Resp: 836
Ion Ratio Lower Upper
75 100
77 56.0 21.8 40.4#

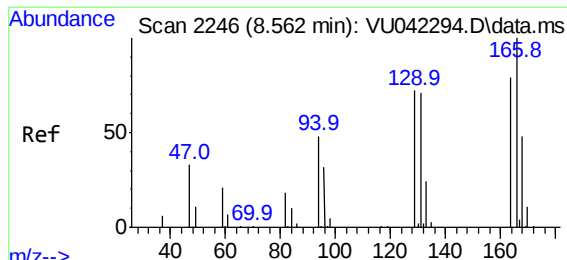


#45

1,1,2-Trichloroethane
Concen: 0.12 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. -0.003 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

Tgt Ion: 97 Resp: 729
Ion Ratio Lower Upper
97 100
99 46.5 44.0 81.8
83 83.7 57.6 107.0
85 48.6 39.5 73.3





#47

Tetrachloroethene

Concen: 38.02 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.000 min

Lab File: VU042297.D

Acq: 09 Feb 2021 15:16

Tgt Ion:164 Resp: 267886

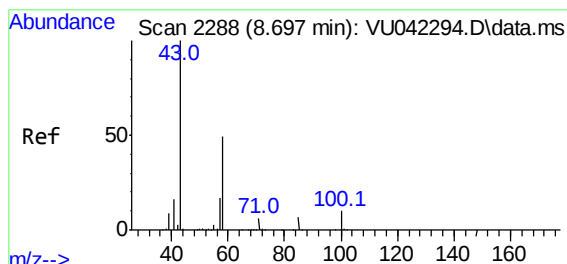
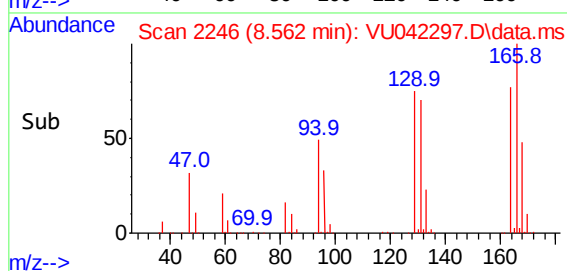
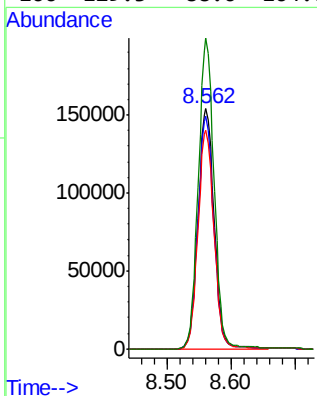
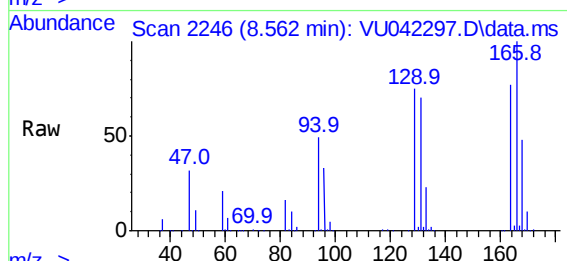
Ion Ratio Lower Upper

164 100

129 96.9 64.3 119.5

131 91.0 62.2 115.6

166 129.3 88.6 164.6



#48

2-Hexanone

Concen: 3.14 ug/L

RT: 8.645 min Scan# 2272

Delta R.T. -0.051 min

Lab File: VU042297.D

Acq: 09 Feb 2021 15:16

Tgt Ion: 43 Resp: 15451

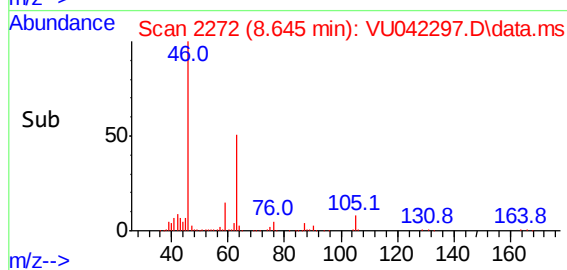
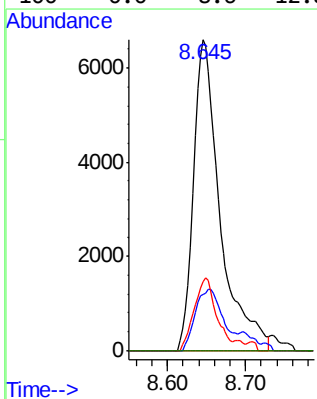
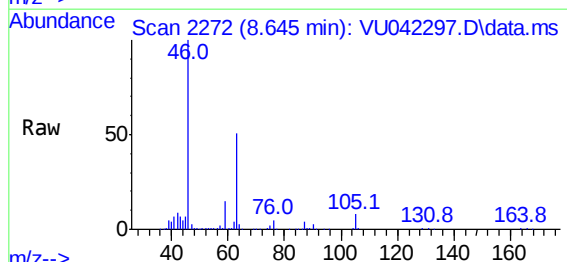
Ion Ratio Lower Upper

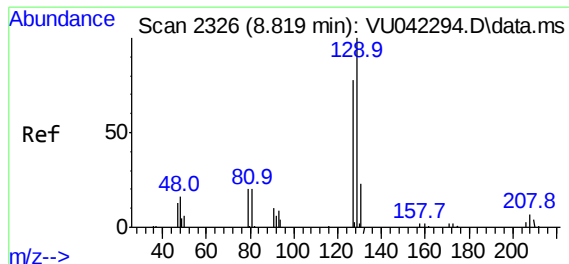
43 100

58 20.7 40.6 61.0#

57 19.6 14.9 22.3

100 0.0 8.6 12.8#

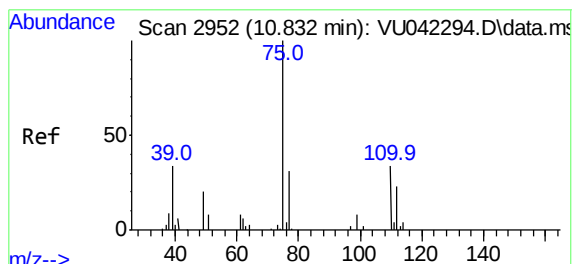
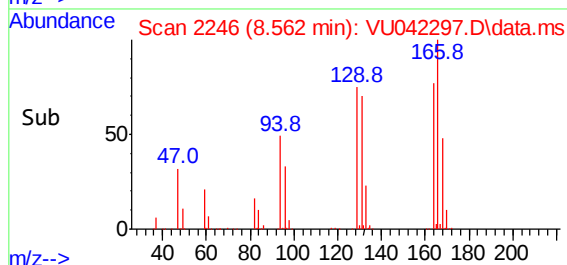
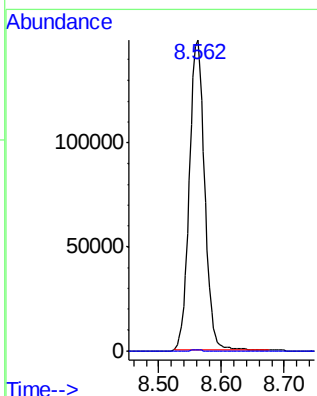
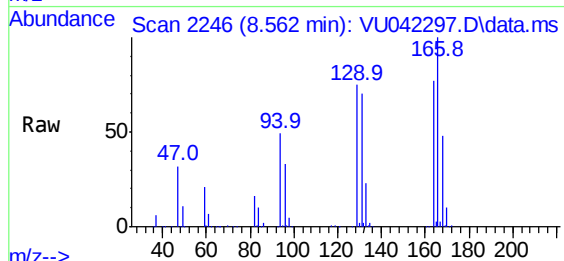




#49
Dibromochloromethane
Concen: 30.91 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042297.D
Acq: 09 Feb 2021 15:16

Instrument :
MSVOA_U
ClientSampleId :
C0AR5

Tgt Ion:129 Resp: 251735
Ion Ratio Lower Upper
129 100
127 0.1 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: VU042297.D
Acq: 09 Feb 2021 15:16

Tgt Ion: 75 Resp: 6355
Ion Ratio Lower Upper
75 100
77 39.8 26.0 39.0#

