

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030521\
 Data File : VU042503.D
 Acq On : 05 Mar 2021 15:28
 Operator : SY/MD
 Sample : M1588-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C03S8

Quant Time: Mar 06 00:48:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Mar 05 00:31:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	92550	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	87880	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	41344	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	25869	4.19	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	83.80%		
7) Chloroethane-d5	1.919	69	22311	4.78	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	95.60%		
11) 1,1-Dichloroethene-d2	2.584	63	322345	23.13	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	462.60%#		
20) 2-Butanone-d5	4.649	46	95175	46.98	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	93.96%		
24) Chloroform-d	5.073	84	56442	4.63	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	92.60%		
26) 1,2-Dichloroethane-d4	5.713	65	37000	4.93	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	98.60%		
32) Benzene-d6	5.735	84	100574	4.67	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	93.40%		
36) 1,2-Dichloropropane-d6	6.700	67	35119	5.05	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	101.00%		
41) Toluene-d8	7.906	98	94380	4.49	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	89.80%		
43) trans-1,3-Dichloroprop...	8.189	79	14962	4.61	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	92.20%		
46) 2-Hexanone-d5	8.645	63	76905	49.46	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	98.92%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	30545	4.93	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	98.60%		
64) 1,2-Dichlorobenzene-d4	12.201	152	38653	5.16	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	103.20%		
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	709	0.09	ug/L	97
8) Chloroethane	1.932	64	189	0.04	ug/L #	43
9) Trichlorofluoromethane	2.141	101	871	0.07	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1352	0.19	ug/L #	27
12) 1,1-Dichloroethene	2.584	96	466369	71.51	ug/L #	81
13) Acetone	2.655	43	2264	1.45	ug/L	76
19) 1,1-Dichloroethane	3.880	63	51784	3.92	ug/L	98
25) Chloroform	5.099	83	968	0.07	ug/L	99
27) 1,2-Dichloroethane	5.803	62	971	0.09	ug/L #	75
29) 1,1,1-Trichloroethane	5.327	97	1472471	120.50	ug/L	98
31) Carbon tetrachloride	5.327	117	181780	16.87	ug/L	100
33) Benzene	5.735	78	763	0.03	ug/L	100
34) Trichloroethene	6.552	95	6657	0.87	ug/L	96
35) Methylcyclohexane	6.700	83	8126	0.70	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	4335	0.58	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1234	0.11	ug/L #	78
44) trans-1,3-Dichloropropene	8.189	75	687	0.07	ug/L #	79
47) Tetrachloroethene	8.559	164	789	0.13	ug/L	87
48) 2-Hexanone	8.642	43	10582	2.22	ug/L #	71
49) Dibromochloromethane	8.559	129	796	0.12	ug/L #	12

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ALS Vial : 10 Sample Multiplier: 1

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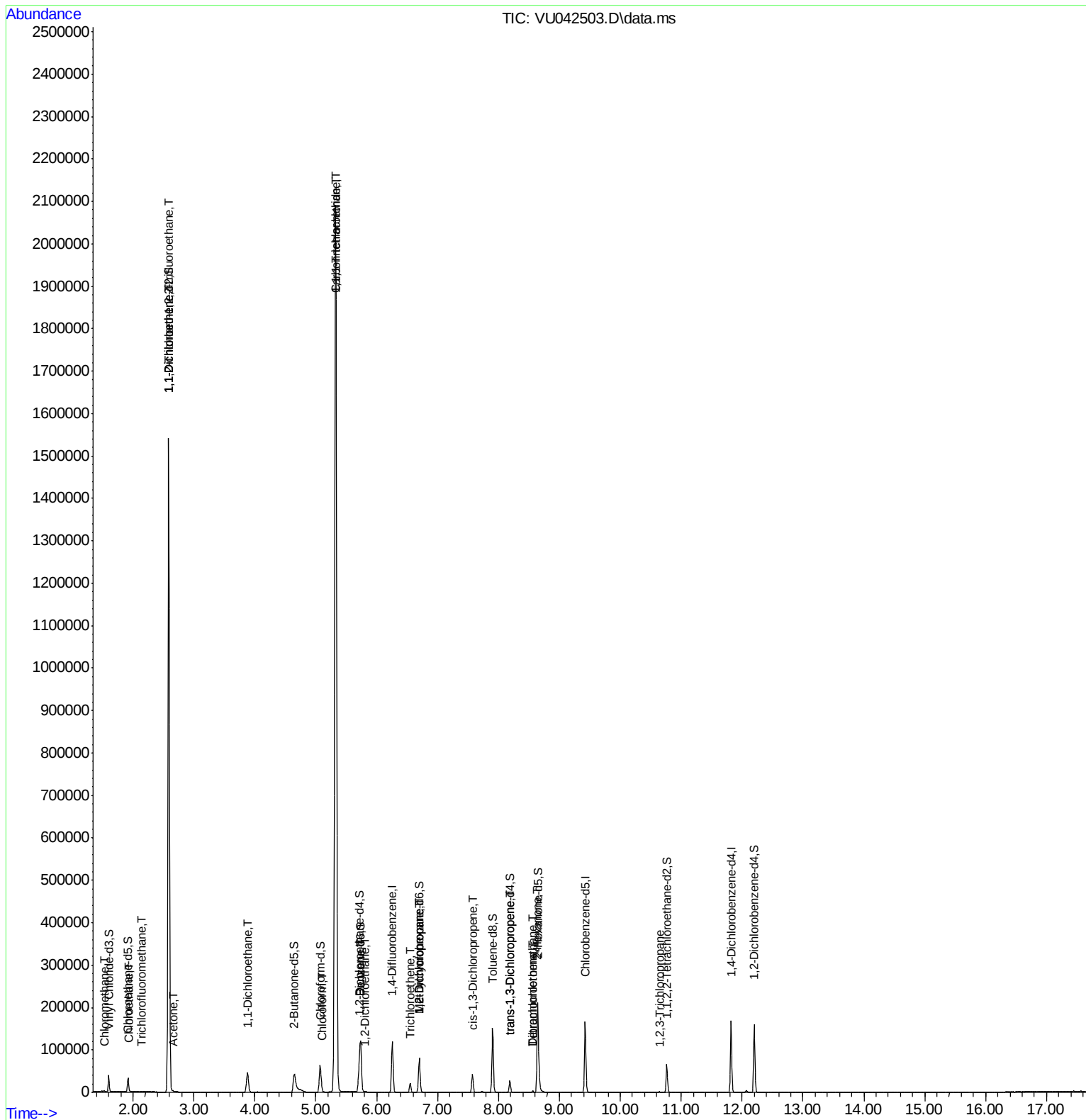
Quant Time: Mar 06 00:48:06 2021
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 05 00:31:48 2021
Response via : Initial Calibration

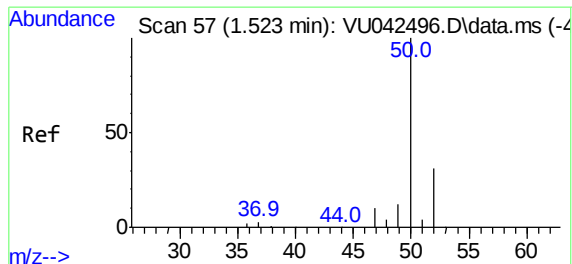
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	10.642	75	253	0.05 ug/L	#	42

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

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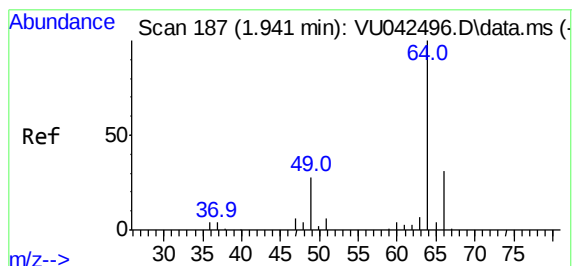
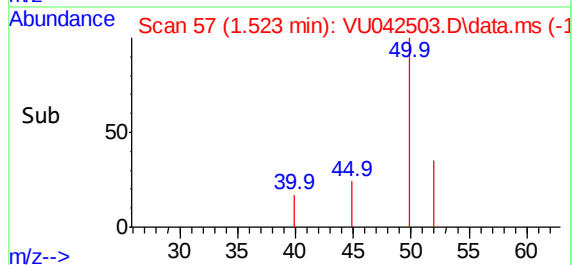
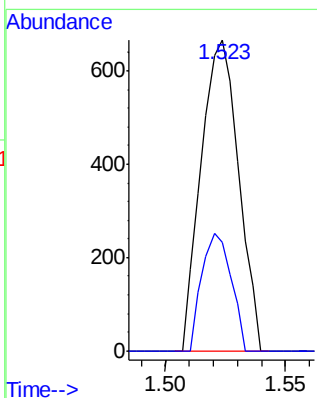
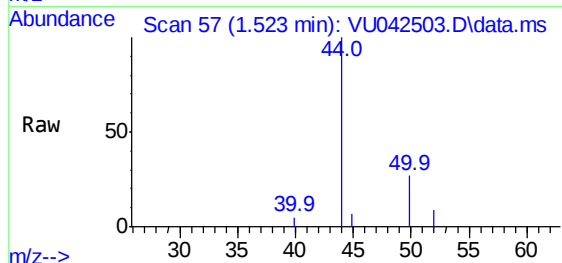




#3
Chloromethane
Concen: 0.09 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

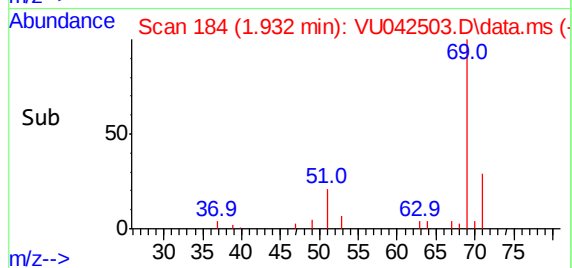
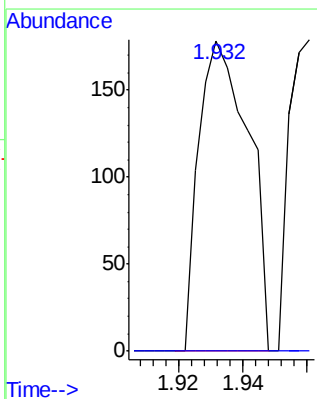
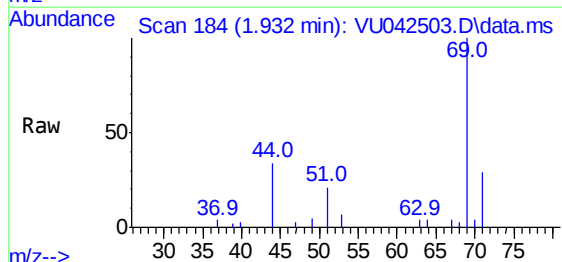
Instrument :
MSVOA_U
ClientSampled :
C03S8

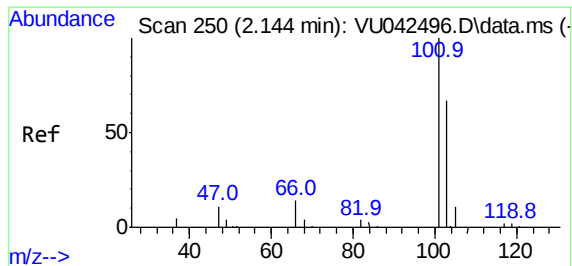
Tgt Ion: 50 Resp: 709
Ion Ratio Lower Upper
50 100
52 34.8 23.0 42.8



#8
Chloroethane
Concen: 0.04 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.006 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 0.0 22.2 41.2#

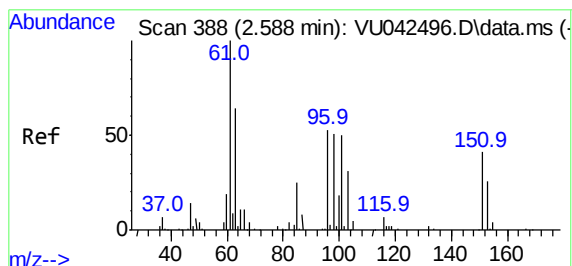
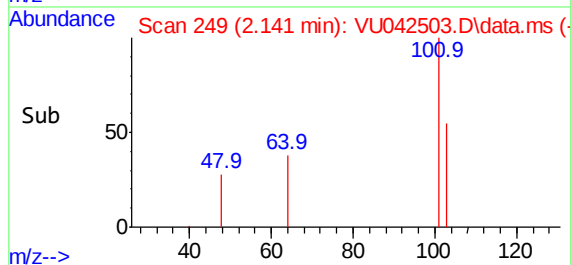
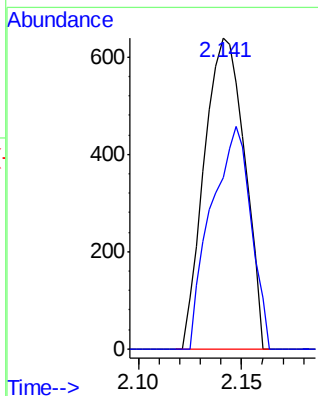
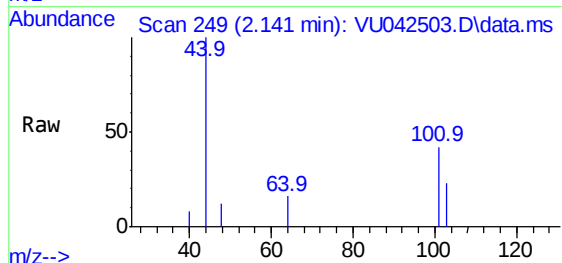




#9
Trichlorofluoromethane
Concen: 0.07 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.003 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

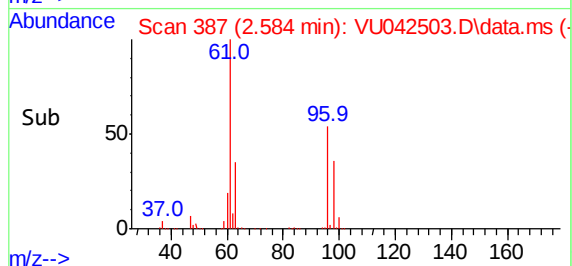
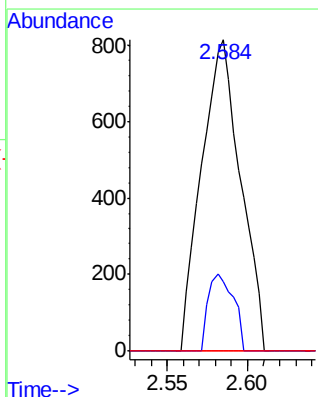
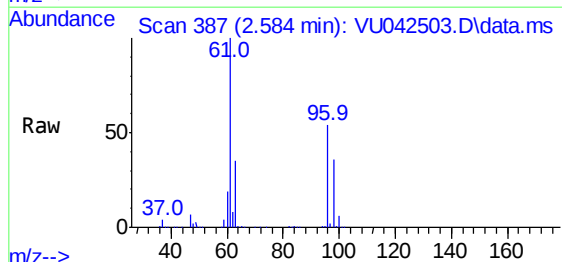
Instrument :
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ClientSampleId :
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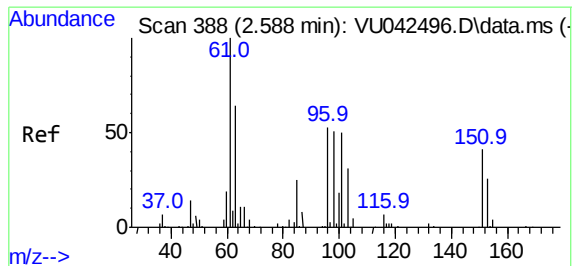
Tgt Ion:101 Resp: 871
Ion Ratio Lower Upper
101 100
103 70.7 51.8 77.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.19 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion:101 Resp: 1352
Ion Ratio Lower Upper
101 100
85 15.5 34.6 51.8#
151 0.0 62.7 94.1#

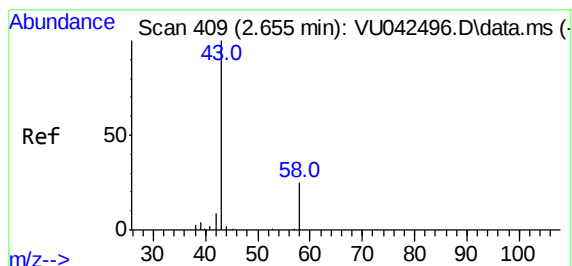
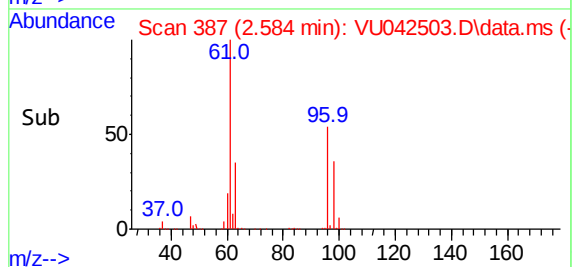
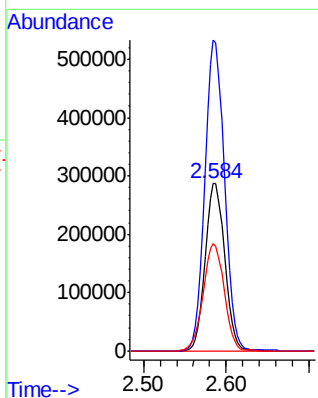
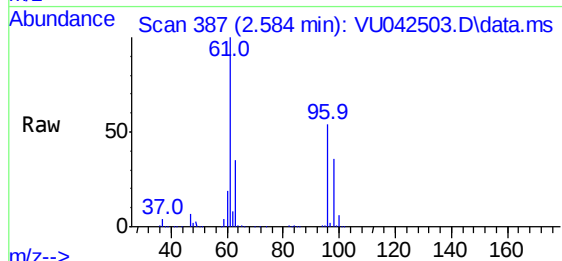




#12
1,1-Dichloroethene
Concen: 71.51 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

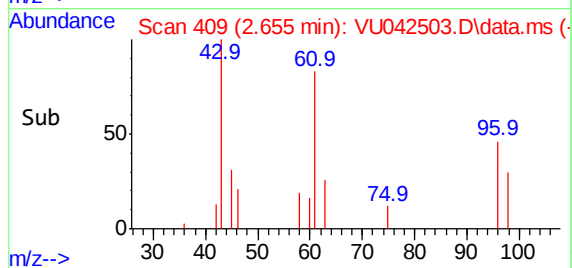
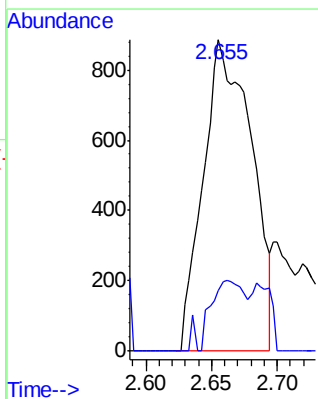
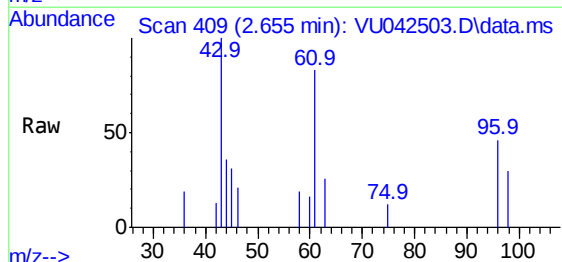
Instrument :
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ClientSampleId :
C03S8

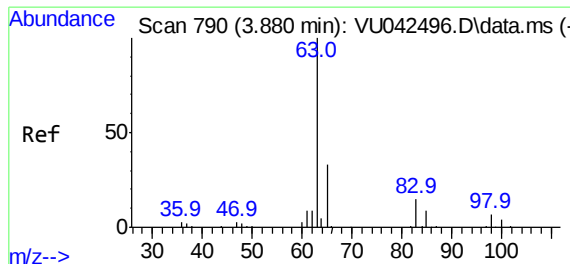
Tgt Ion: 96 Resp: 466369
Ion Ratio Lower Upper
96 100
61 186.2 126.2 234.4
63 64.5 77.8 144.4#



#13
Acetone
Concen: 1.45 ug/L
RT: 2.655 min Scan# 409
Delta R.T. -0.003 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 43 Resp: 2264
Ion Ratio Lower Upper
43 100
58 15.5 0.0 55.8

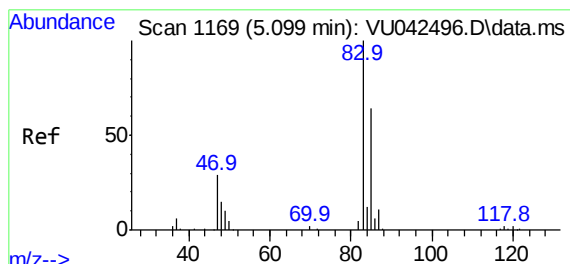
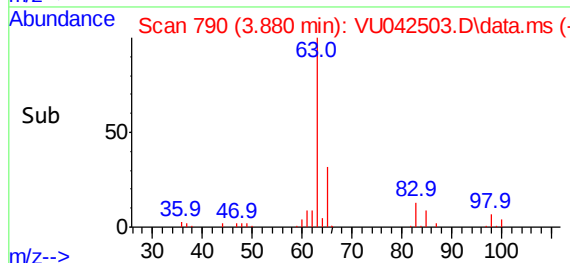
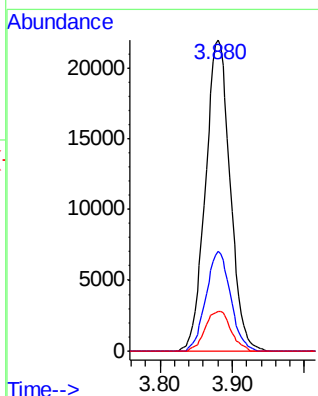
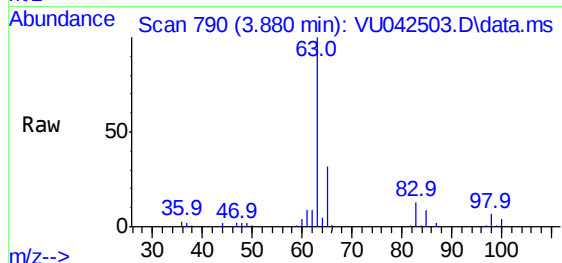




#19
1,1-Dichloroethane
Concen: 3.92 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

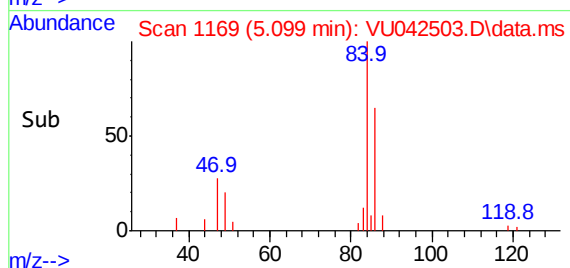
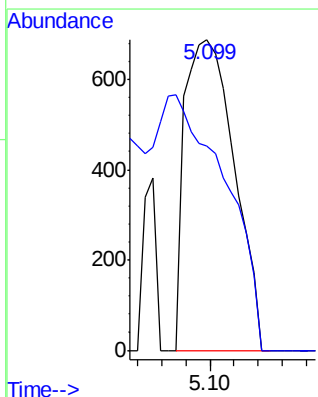
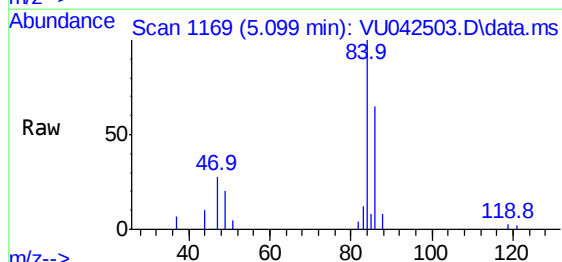
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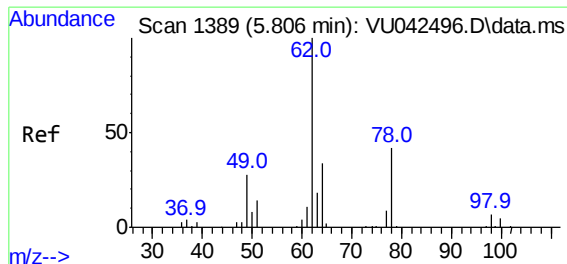
Tgt Ion: 63 Resp: 51784
Ion Ratio Lower Upper
63 100
65 31.9 22.5 41.9
83 12.5 10.1 18.7



#25
Chloroform
Concen: 0.07 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 83 Resp: 968
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9

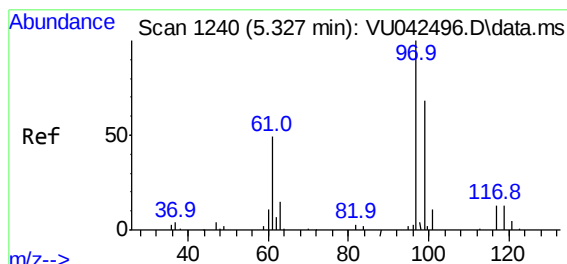
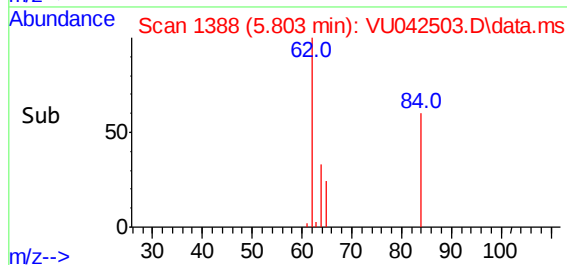
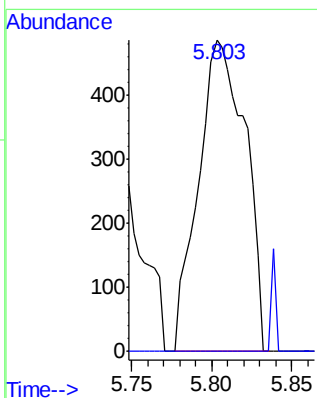
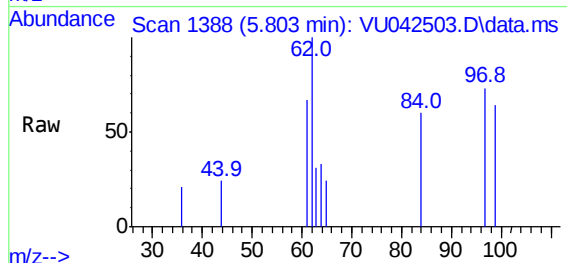




#27
1,2-Dichloroethane
Concen: 0.09 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

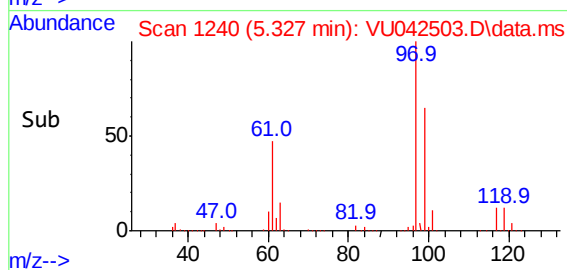
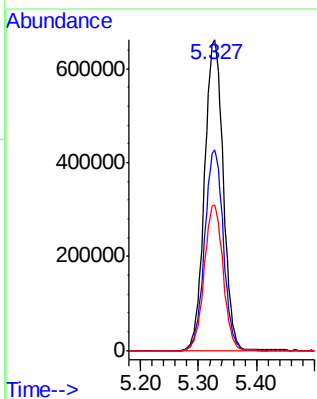
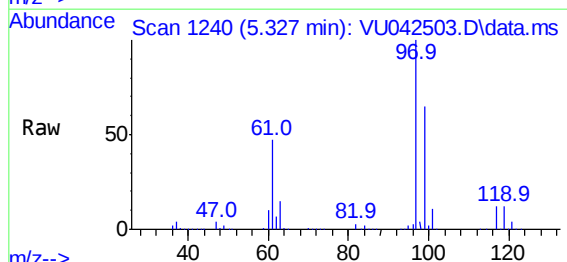
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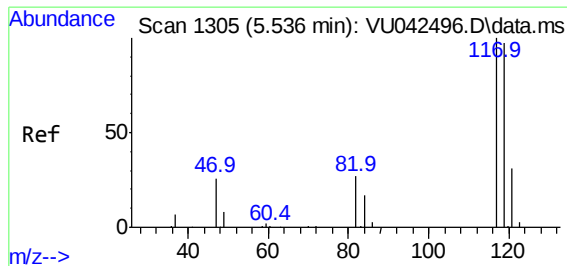
Tgt Ion: 62 Resp: 971
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#29
1,1,1-Trichloroethane
Concen: 120.50 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 97 Resp: 1472471
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 47.0 35.8 53.6

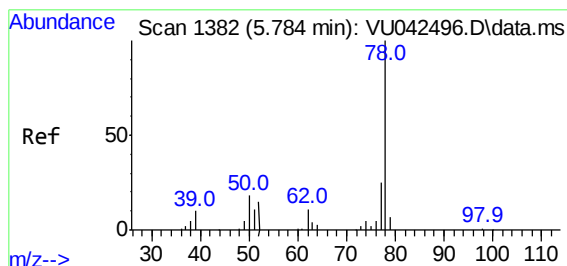
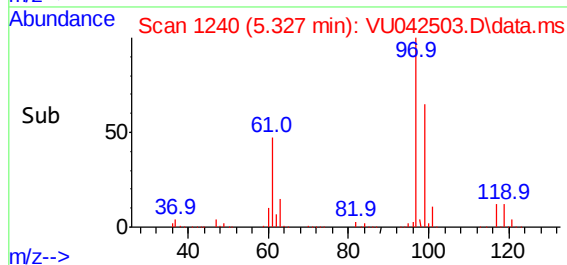
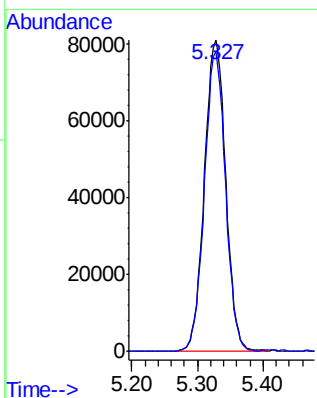
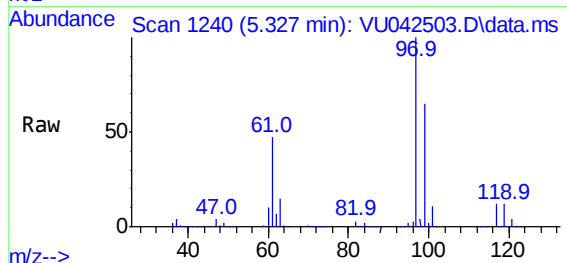




#31
Carbon tetrachloride
Concen: 16.87 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.206 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

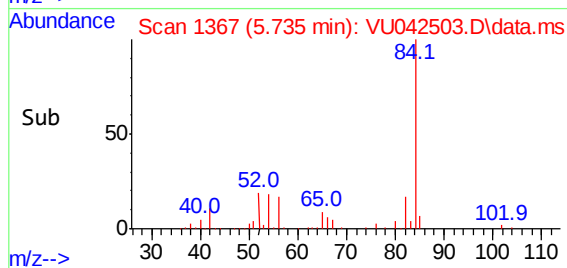
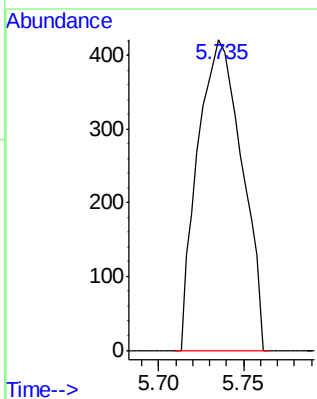
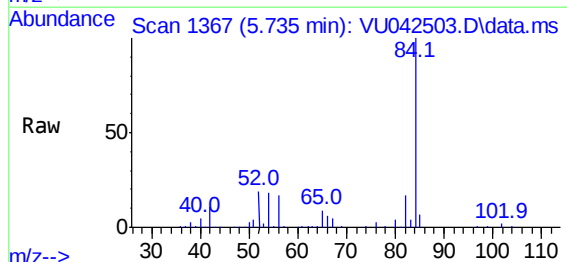
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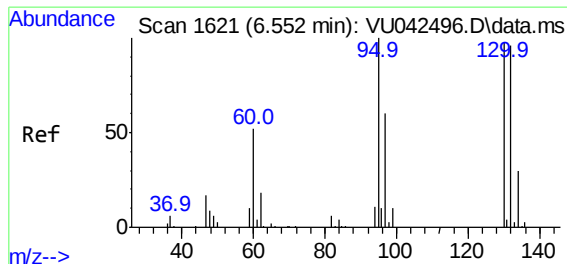
Tgt Ion:117 Resp: 181780
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.4



#33
Benzene
Concen: 0.03 ug/L
RT: 5.735 min Scan# 1367
Delta R.T. -0.048 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 78 Resp: 763



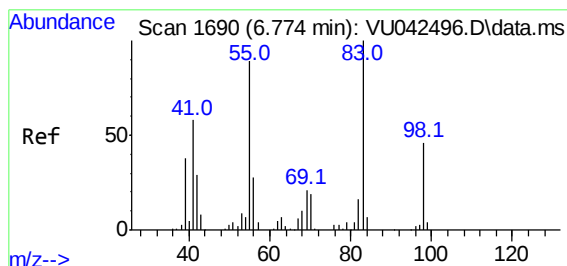
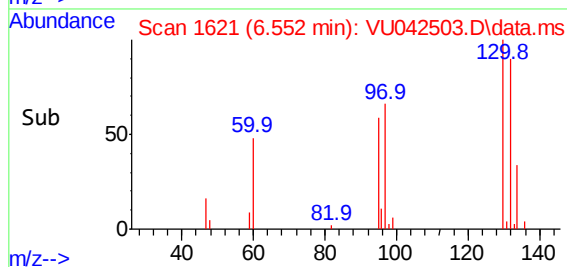
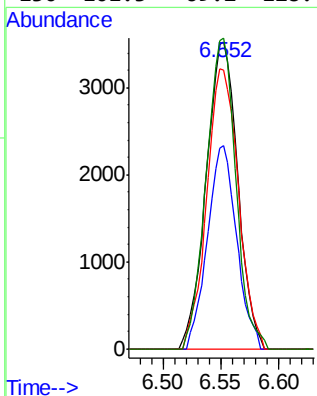
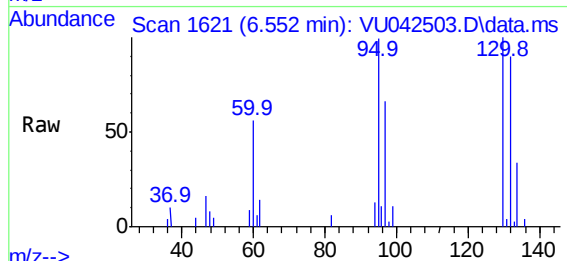


#34
Trichloroethene
Concen: 0.87 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Instrument :
MSVOA_U
ClientSampleId :
C03S8

Tgt Ion: 95 Resp: 6657

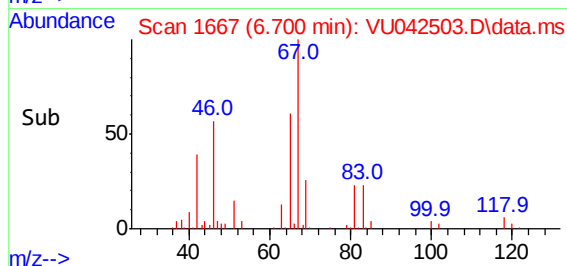
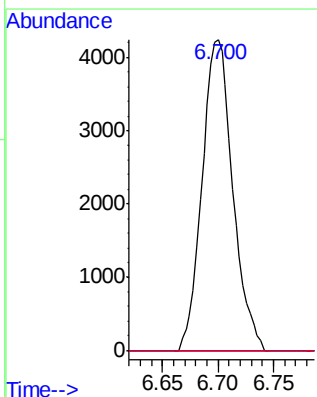
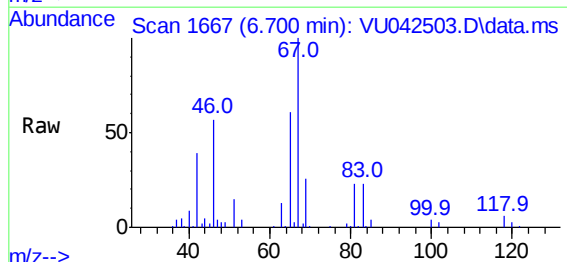
Ion	Ratio	Lower	Upper
95	100		
97	66.4	44.4	82.4
132	90.9	68.0	126.4
130	101.3	69.2	128.4

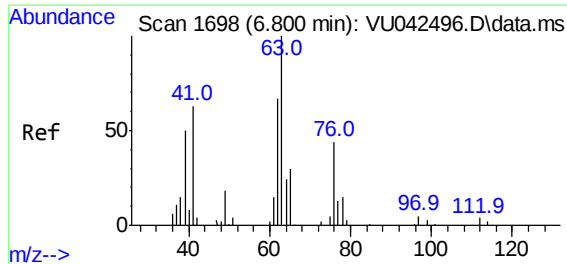


#35
Methylcyclohexane
Concen: 0.70 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 83 Resp: 8126

Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.2	102.4#
98	2.8	39.7	59.5#

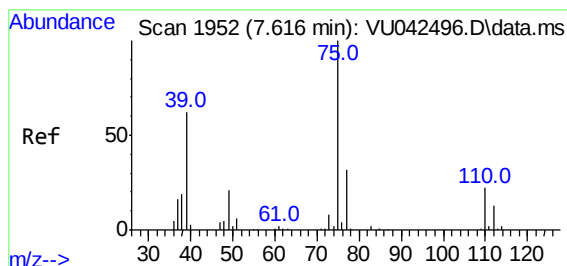
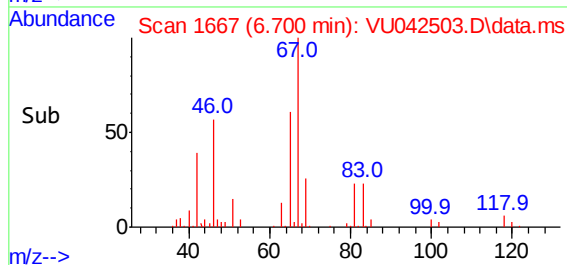
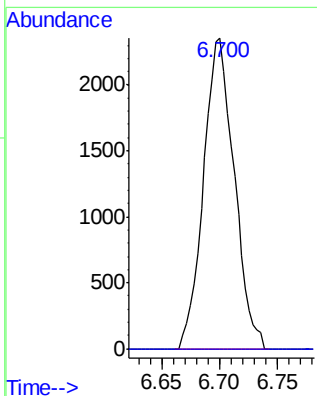
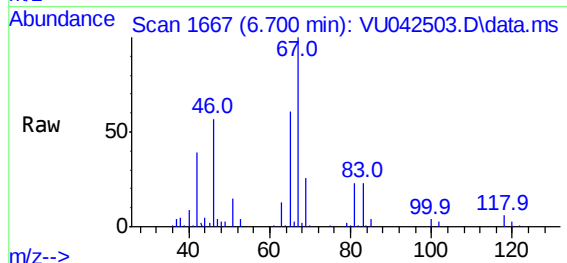




#37
1,2-Dichloropropane
Concen: 0.58 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

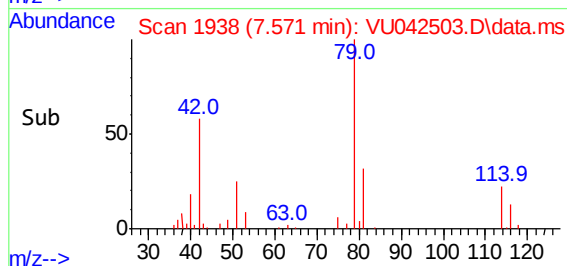
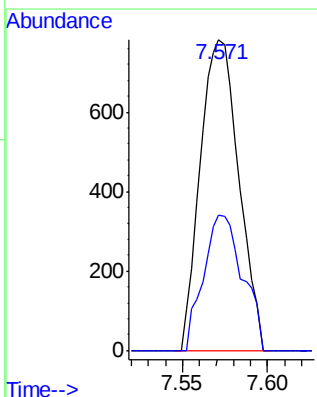
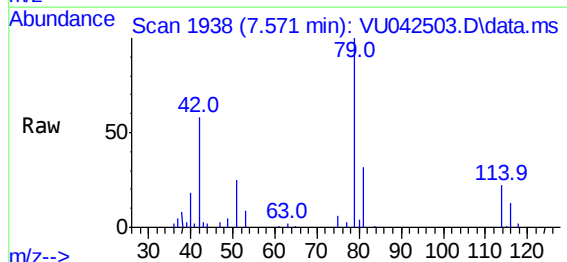
Instrument :
MSVOA_U
ClientSampleId :
C03S8

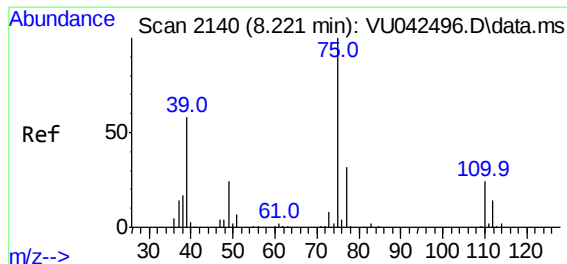
Tgt Ion: 63 Resp: 4335
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 75 Resp: 1234
Ion Ratio Lower Upper
75 100
77 43.5 22.0 40.8#



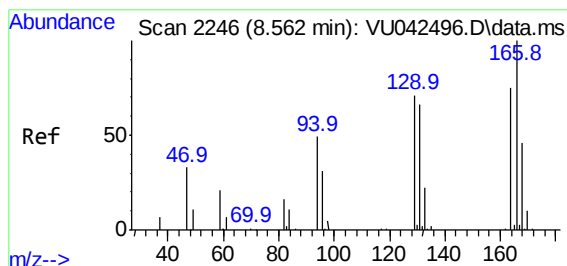
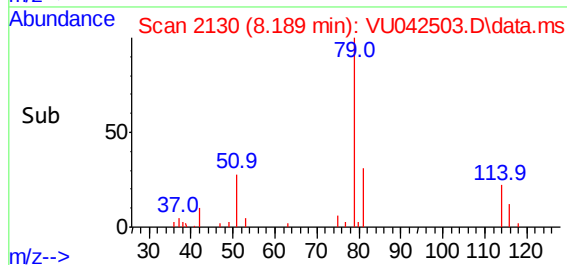
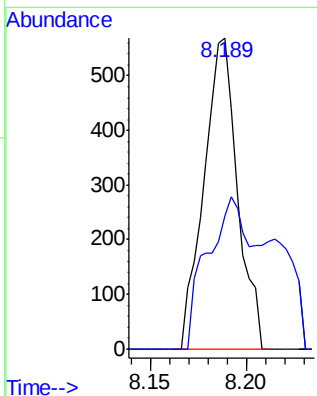
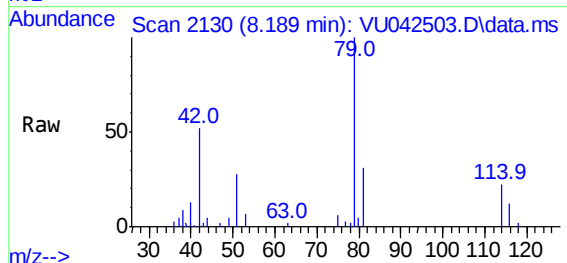


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Instrument :
MSVOA_U
ClientSampled :
C03S8

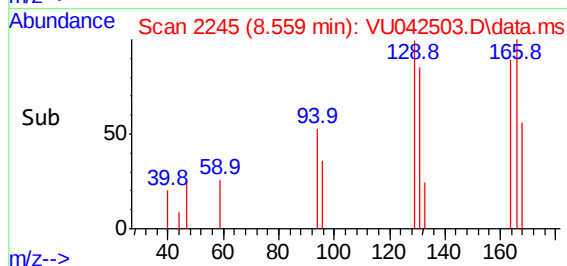
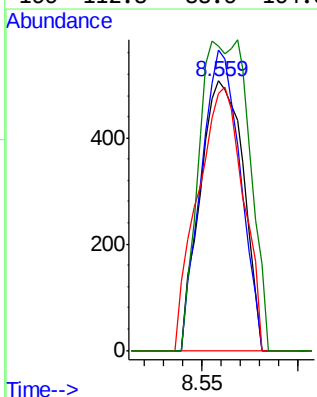
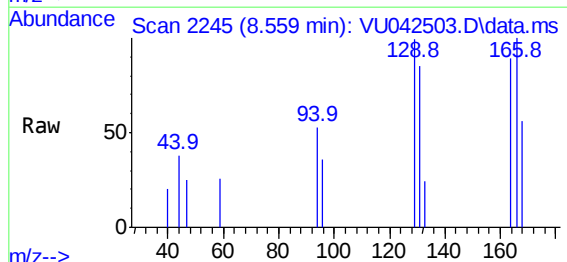
Tgt Ion: 75 Resp: 687
Ion Ratio Lower Upper
75 100
77 42.7 21.8 40.4#

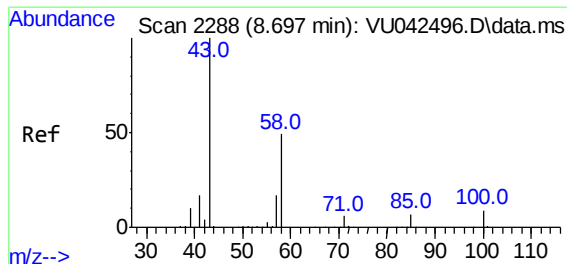


#47

Tetrachloroethene
Concen: 0.13 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

Tgt Ion: 164 Resp: 789
Ion Ratio Lower Upper
164 100
129 111.6 64.3 119.5
131 95.5 62.2 115.6
166 112.8 88.6 164.6

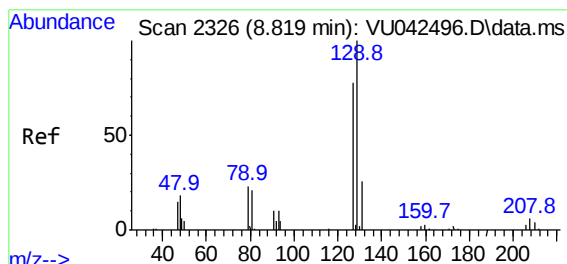
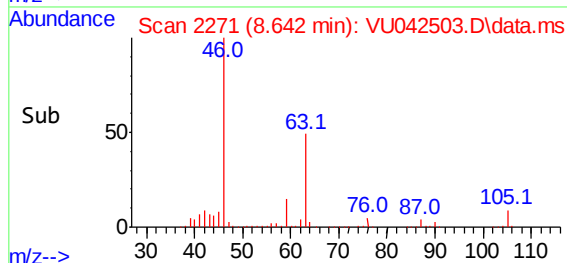
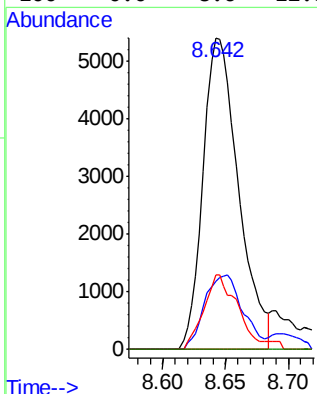
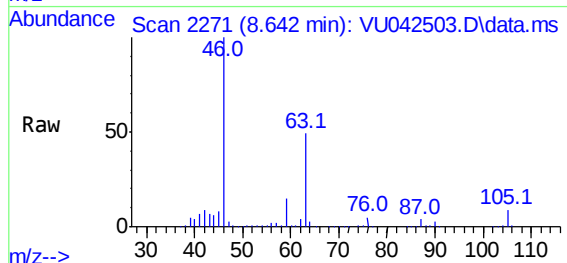




#48
2-Hexanone
Concen: 2.22 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.052 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

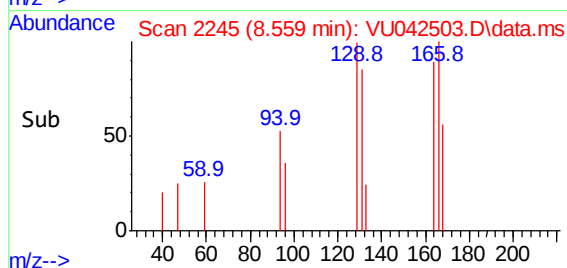
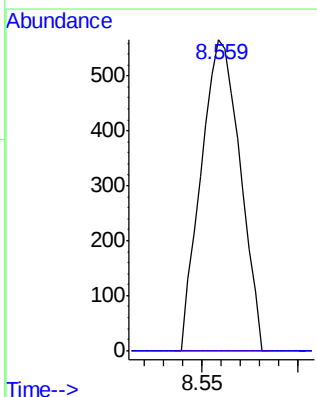
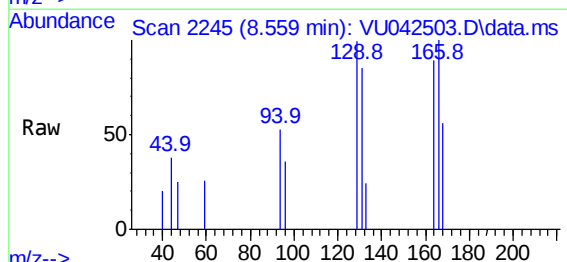
Instrument :
MSVOA_U
ClientSampleId :
C03S8

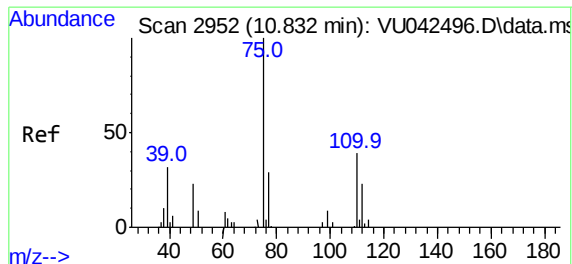
Tgt Ion: 43 Resp: 10582
Ion Ratio Lower Upper
43 100
58 25.4 40.6 61.0#
57 23.3 14.9 22.3#
100 0.0 8.6 12.8#



#49
Dibromochloromethane
Concen: 0.12 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.261 min
Lab File: VU042503.D
Acq: 05 Mar 2021 15:28

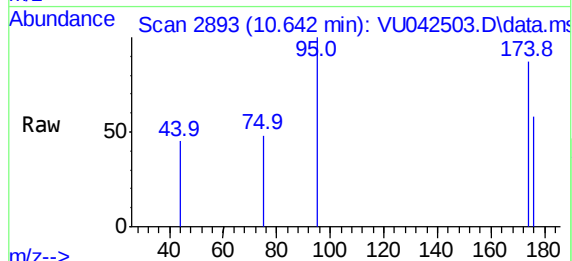
Tgt Ion: 129 Resp: 796
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#





#59
 1,2,3-Trichloropropane
 Concen: 0.05 ug/L
 RT: 10.642 min Scan# 2893
 Delta R.T. -0.190 min
 Lab File: VU042503.D
 Acq: 05 Mar 2021 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C03S8



Tgt Ion: 75 Resp: 253
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#

