

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030521\
 Data File : VU042500.D
 Acq On : 05 Mar 2021 14:16
 Operator : SY/MD
 Sample : M1588-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C03S5

Quant Time: Mar 06 00:47:02 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	6.259	114	108351	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	103226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	51508	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	25131	3.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.60%
7) Chloroethane-d5	1.919	69	20826	3.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.587	63	573677	35.17	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	703.40%#
20) 2-Butanone-d5	4.649	46	86289	36.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.76%
24) Chloroform-d	5.076	84	54041	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.60%
26) 1,2-Dichloroethane-d4	5.713	65	36815	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
32) Benzene-d6	5.738	84	97489	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.00%
36) 1,2-Dichloropropane-d6	6.700	67	33489	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	7.906	98	94957	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloroprop...	8.189	79	14787	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.645	63	72461	39.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.36%
57) 1,1,2,2-Tetrachloroeth...	10.767	84	29286	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.60%
64) 1,2-Dichlorobenzene-d4	12.204	152	38853	4.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.20%

Target Compounds						Qvalue
3) Chloromethane	1.523	50	765	0.08	ug/L	92
9) Trichlorofluoromethane	2.144	101	1717	0.11	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	2197	0.27	ug/L #	26
12) 1,1-Dichloroethene	2.587	96	888299	116.35	ug/L #	79
13) Acetone	2.658	43	1827	1.00	ug/L	66
19) 1,1-Dichloroethane	3.880	63	104163	6.73	ug/L	97
25) Chloroform	5.099	83	2281	0.14	ug/L	81
27) 1,2-Dichloroethane	5.806	62	2337	0.19	ug/L #	75
29) 1,1,1-Trichloroethane	5.330	97	2853487	198.80	ug/L	98
31) Carbon tetrachloride	5.330	117	348175	27.50	ug/L	98
34) Trichloroethene	6.552	95	13130	1.47	ug/L	94
35) Methylcyclohexane	6.703	83	7647	0.56	ug/L #	19
37) 1,2-Dichloropropane	6.700	63	3924	0.45	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1059	0.08	ug/L #	53
44) trans-1,3-Dichloropropene	8.185	75	726	0.06	ug/L	99
47) Tetrachloroethene	8.565	164	1665	0.23	ug/L	91
49) Dibromochloromethane	8.562	129	1676	0.21	ug/L #	12
59) 1,2,3-Trichloropropane	10.645	75	546	0.08	ug/L #	42
68) 1,2,4-trichlorobenzene	13.854	180	577	0.05	ug/L #	90
69) Naphthalene	14.098	128	1454	0.07	ug/L #	73

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

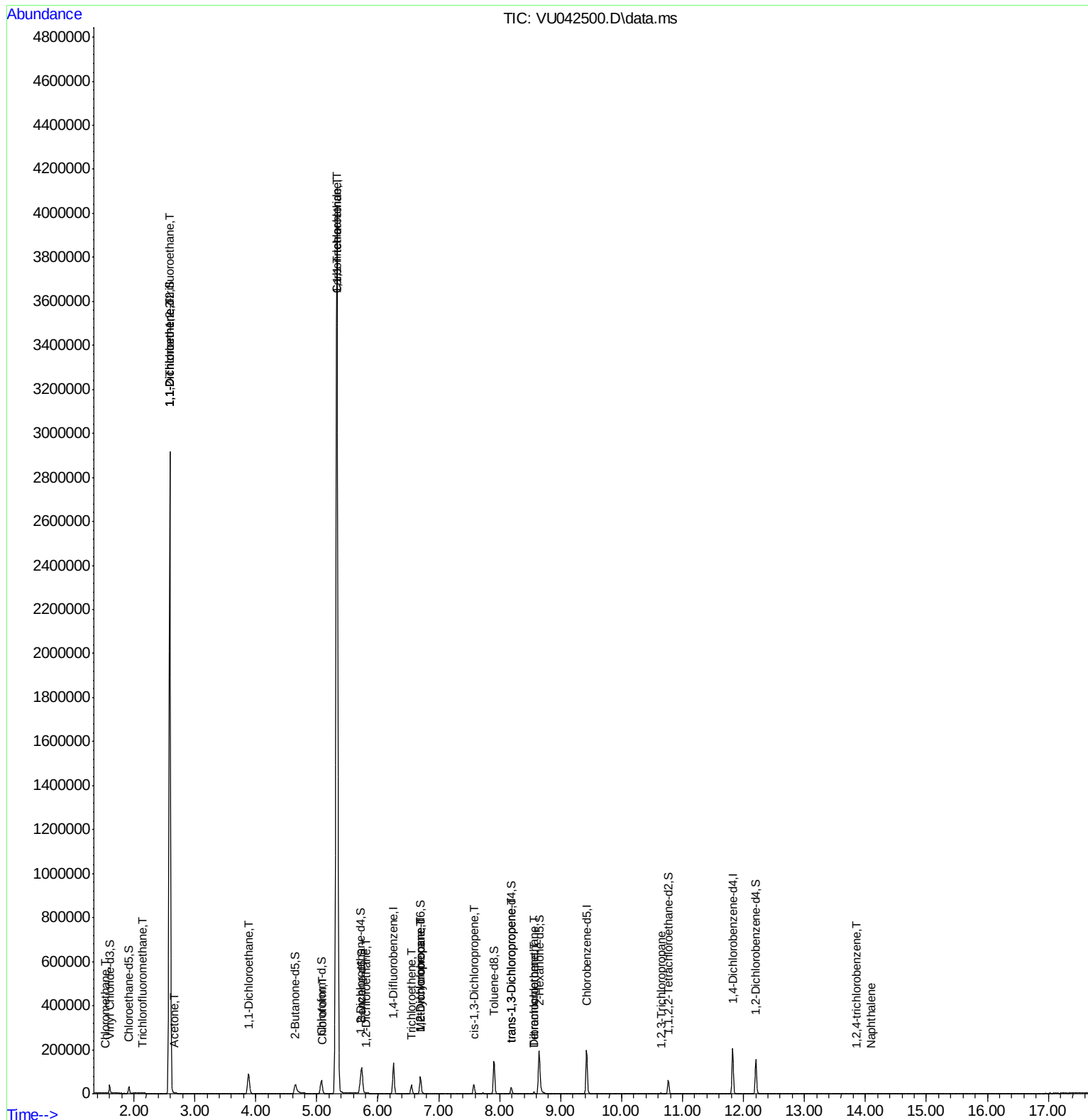
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

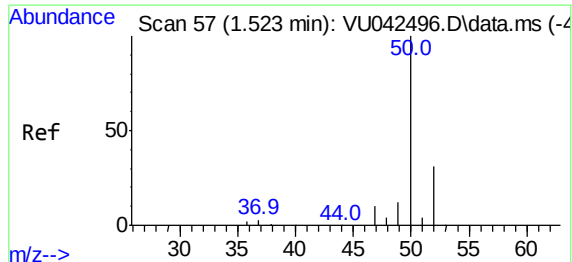
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.08 ug/L

RT: 1.523 min Scan# 57

Delta R.T. 0.003 min

Lab File: VU042500.D

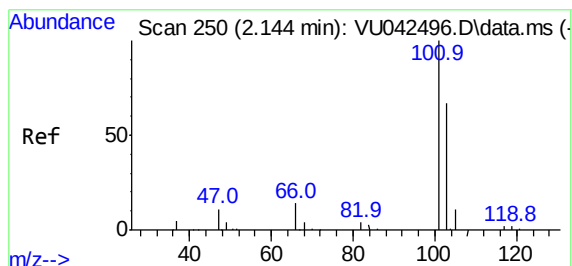
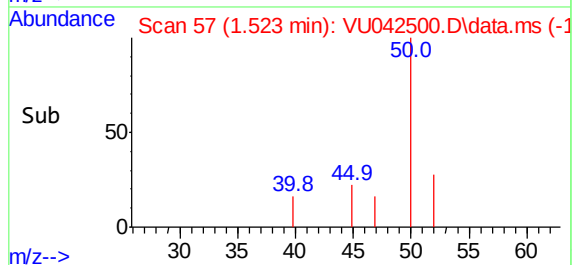
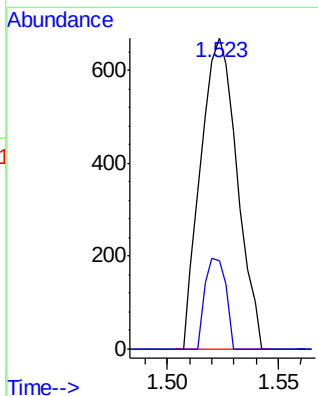
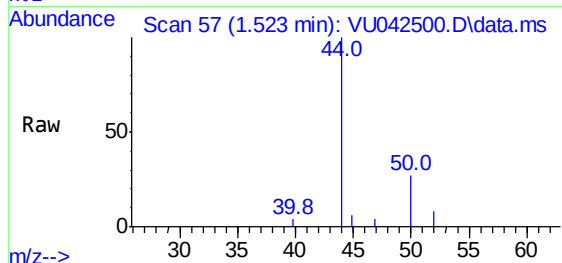
Acq: 05 Mar 2021 14:16

Tgt Ion: 50 Resp: 765

Ion Ratio Lower Upper

50 100

52 28.4 23.0 42.8



#9

Trichlorofluoromethane

Concen: 0.11 ug/L

RT: 2.144 min Scan# 250

Delta R.T. -0.000 min

Lab File: VU042500.D

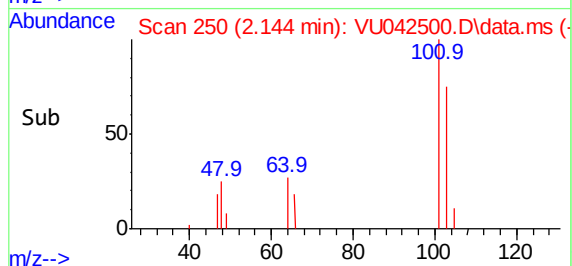
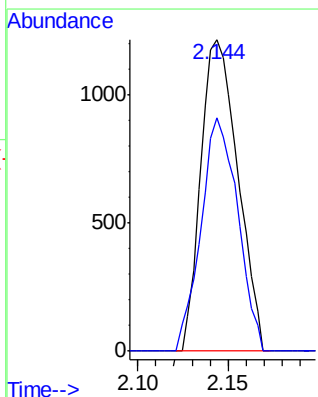
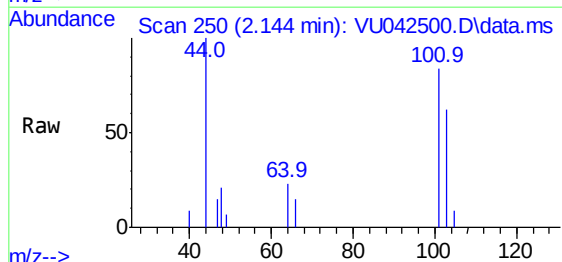
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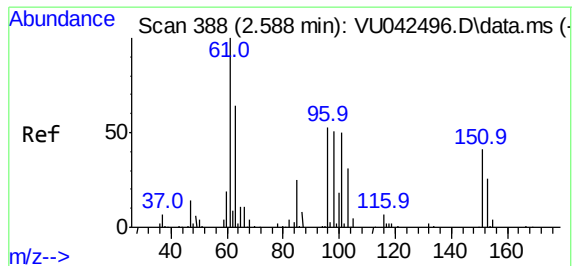
Tgt Ion: 101 Resp: 1717

Ion Ratio Lower Upper

101 100

103 74.3 51.8 77.8

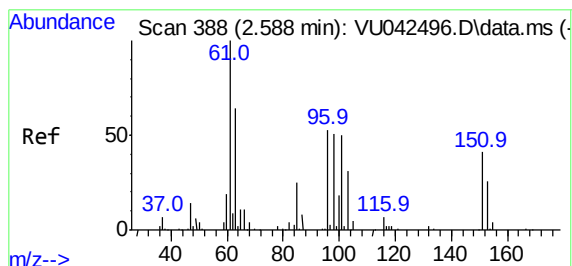
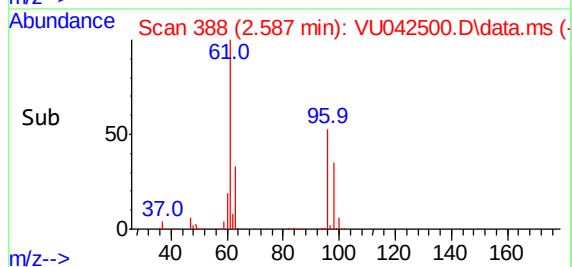
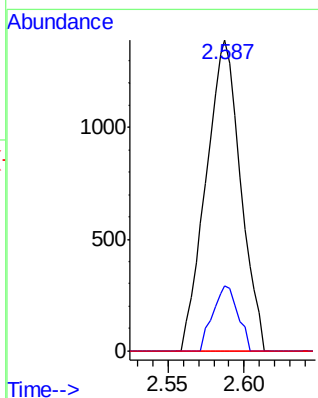
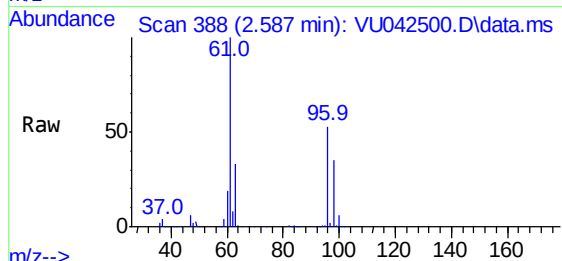




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.27 ug/L
 RT: 2.587 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU042500.D
 Acq: 05 Mar 2021 14:16

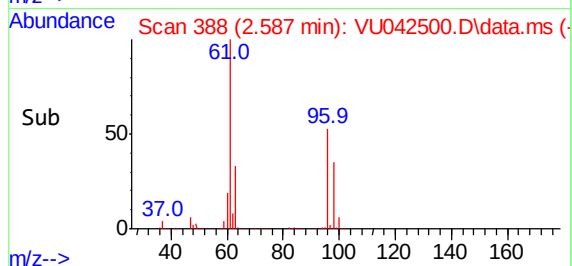
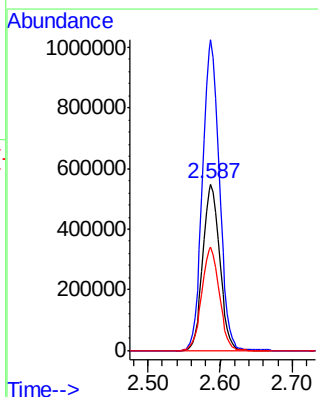
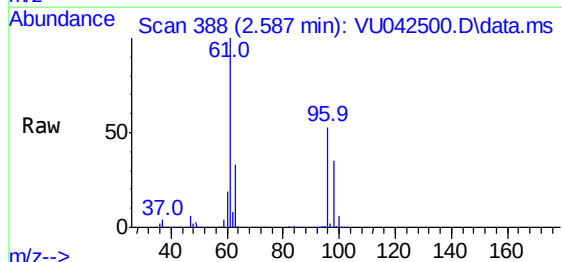
Instrument :
 MSVOA_U
 ClientSampleId :
 C03S5

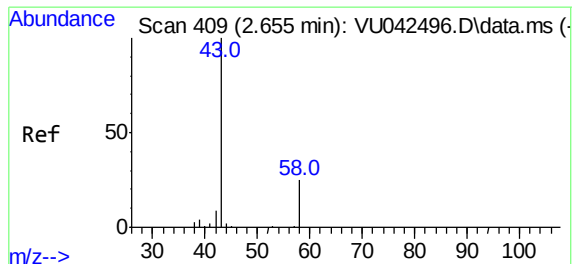
Tgt Ion:101 Resp: 2197
 Ion Ratio Lower Upper
 101 100
 85 15.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 116.35 ug/L
 RT: 2.587 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU042500.D
 Acq: 05 Mar 2021 14:16

Tgt Ion: 96 Resp: 888299
 Ion Ratio Lower Upper
 96 100
 61 187.1 126.2 234.4
 63 62.0 77.8 144.4#

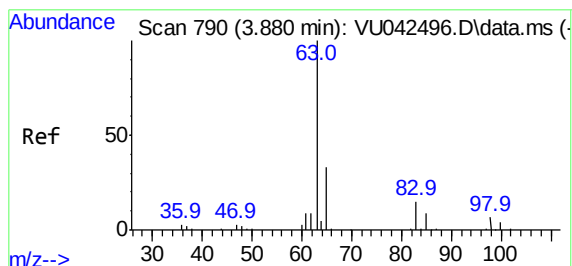
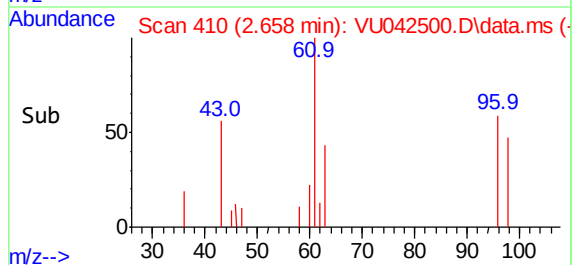
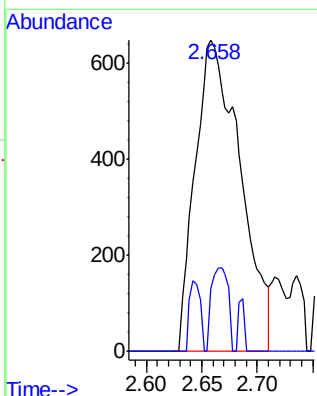
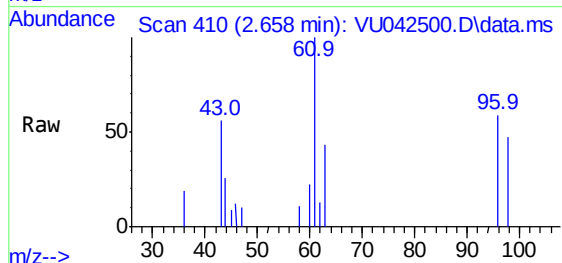




#13
Acetone
Concen: 1.00 ug/L
RT: 2.658 min Scan# 410
Delta R.T. -0.000 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

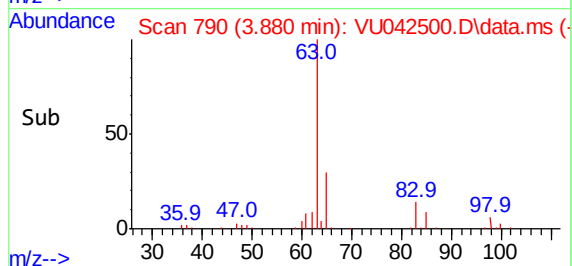
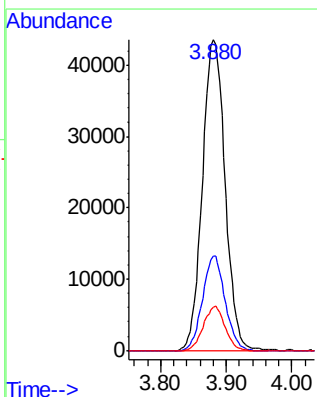
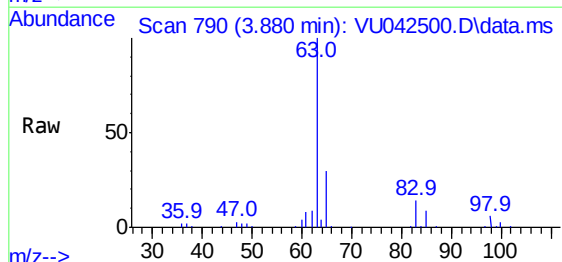
Instrument :
MSVOA_U
ClientSampleId :
C03S5

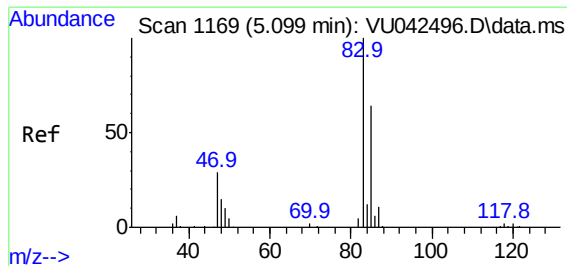
Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 9.8 0.0 55.8



#19
1,1-Dichloroethane
Concen: 6.73 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Tgt Ion: 63 Resp: 104163
Ion Ratio Lower Upper
63 100
65 30.2 22.5 41.9
83 13.8 10.1 18.7

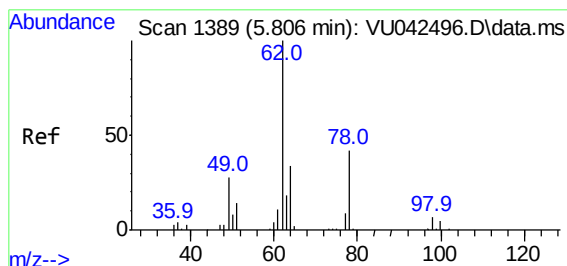
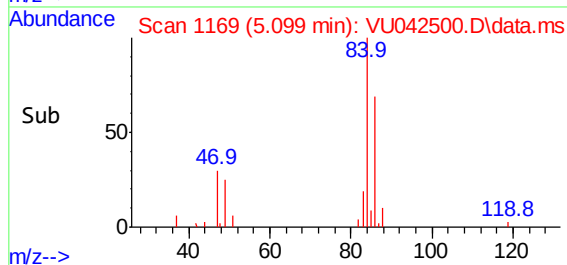
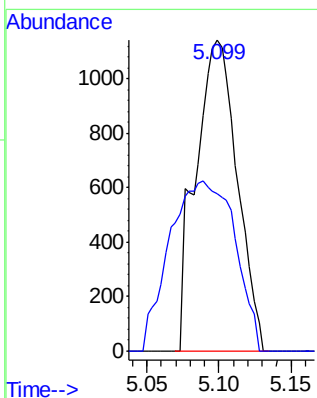
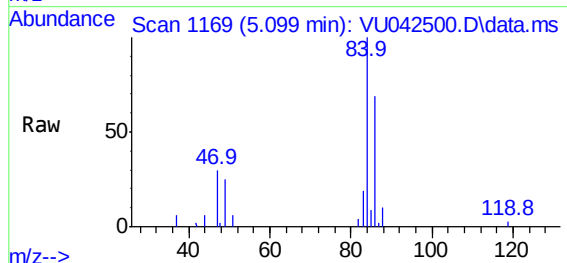




#25
Chloroform
Concen: 0.14 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

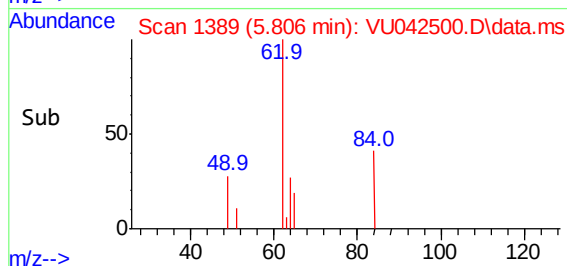
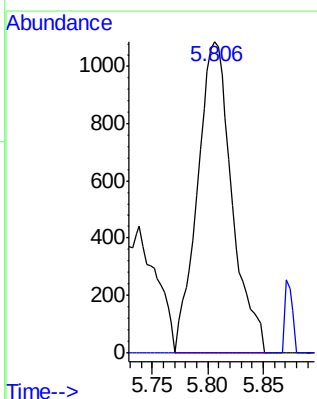
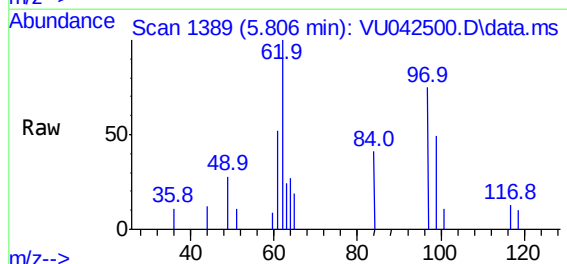
Instrument :
MSVOA_U
ClientSampleId :
C03S5

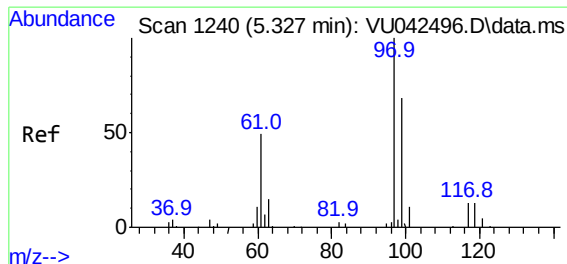
Tgt Ion: 83 Resp: 2281
Ion Ratio Lower Upper
83 100
85 50.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.19 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. -0.000 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Tgt Ion: 62 Resp: 2337
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



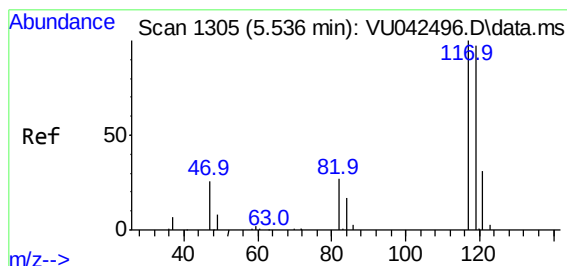
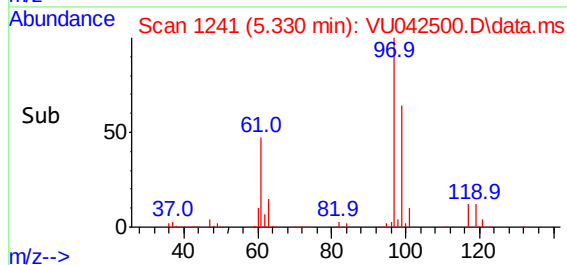
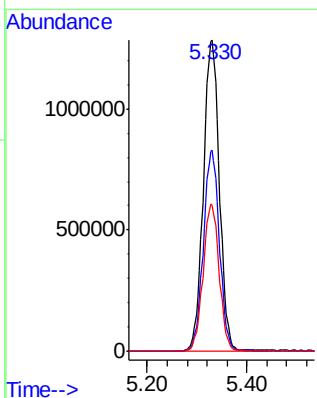
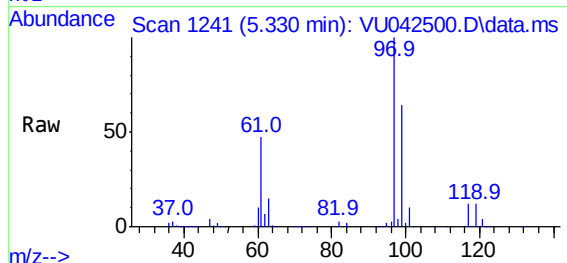


#29
 1,1,1-Trichloroethane
 Concen: 198.80 ug/L
 RT: 5.330 min Scan# 1241
 Delta R.T. 0.003 min
 Lab File: VU042500.D
 Acq: 05 Mar 2021 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C03S5

Tgt Ion: 97 Resp: 2853487

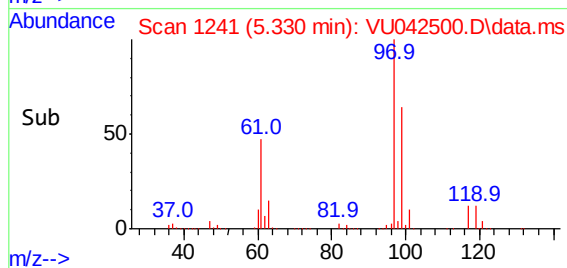
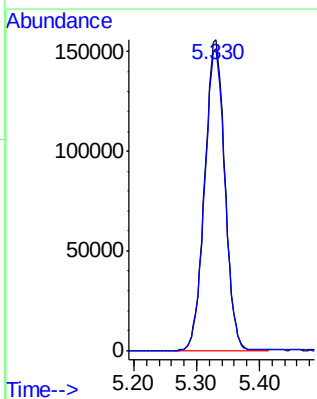
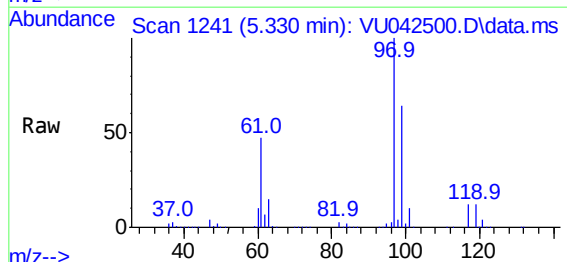
Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	47.2	35.8	53.6

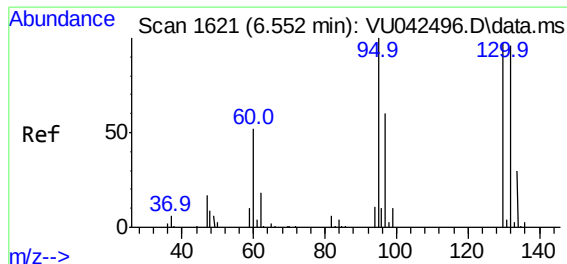


#31
 Carbon tetrachloride
 Concen: 27.50 ug/L
 RT: 5.330 min Scan# 1241
 Delta R.T. -0.203 min
 Lab File: VU042500.D
 Acq: 05 Mar 2021 14:16

Tgt Ion: 117 Resp: 348175

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.2	114.4



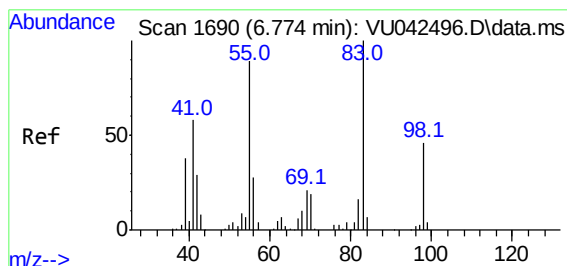
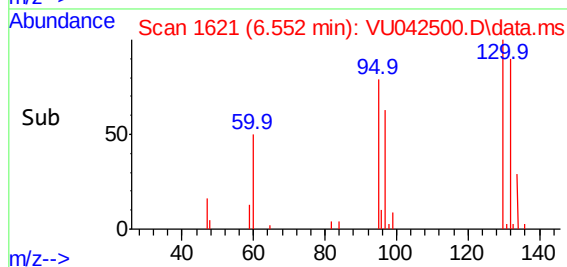
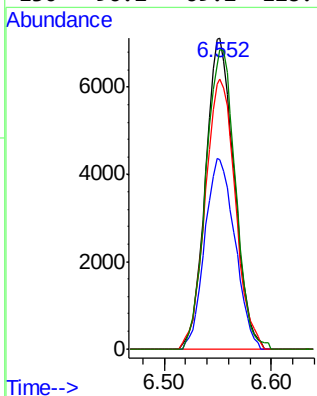
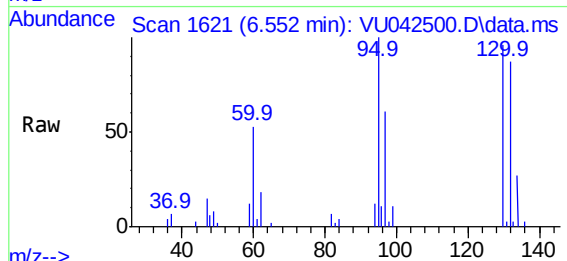


#34
Trichloroethene
Concen: 1.47 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Instrument :
MSVOA_U
ClientSampleId :
C03S5

Tgt Ion: 95 Resp: 13130

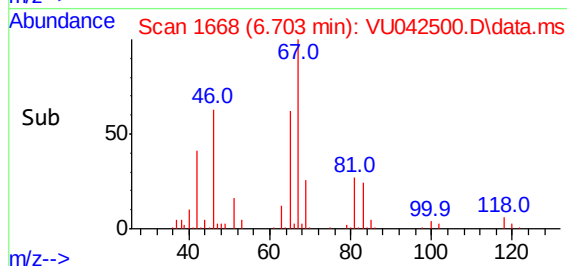
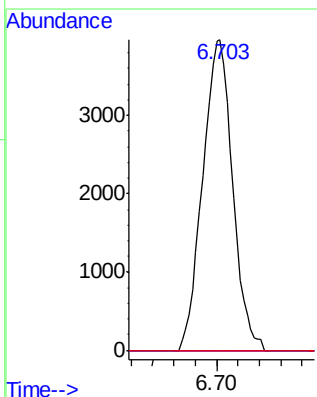
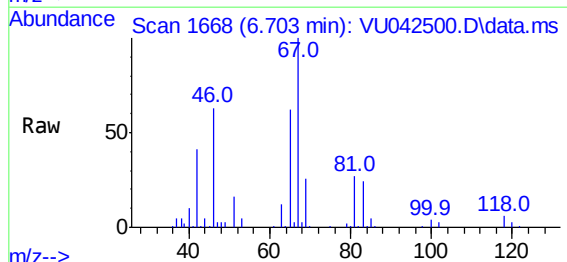
Ion	Ratio	Lower	Upper
95	100		
97	61.0	44.4	82.4
132	87.0	68.0	126.4
130	96.2	69.2	128.4

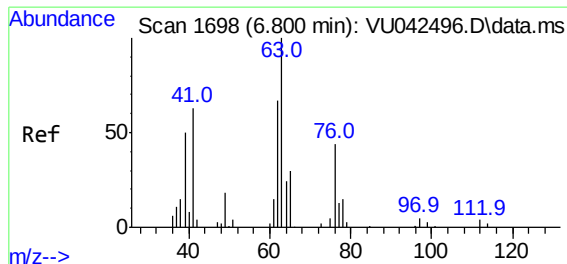


#35
Methylcyclohexane
Concen: 0.56 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.068 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Tgt Ion: 83 Resp: 7647

Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.2	102.4#
98	8.9	39.7	59.5#

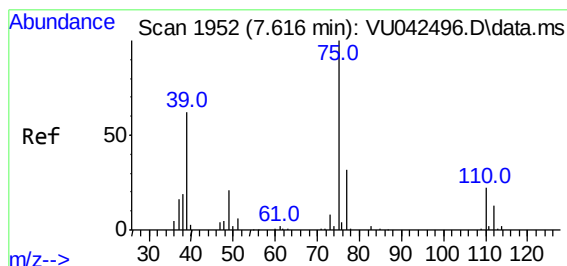
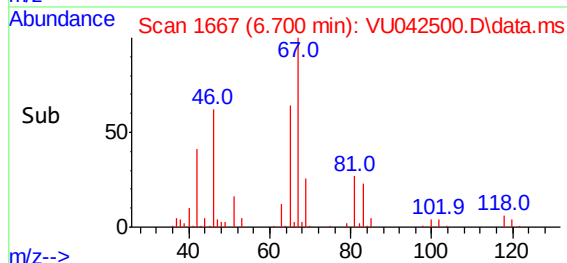
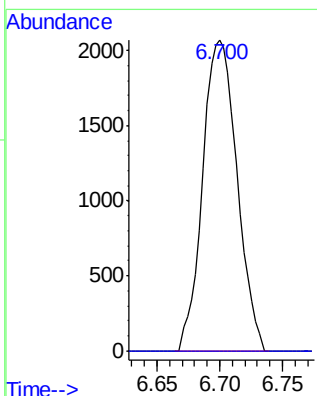
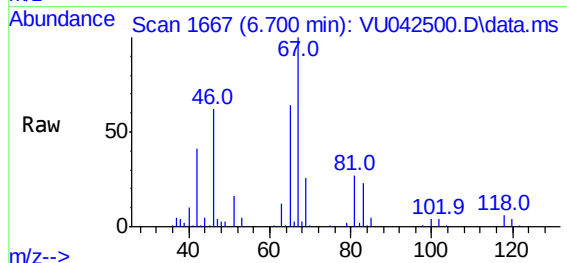




#37
1,2-Dichloropropane
Concen: 0.45 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

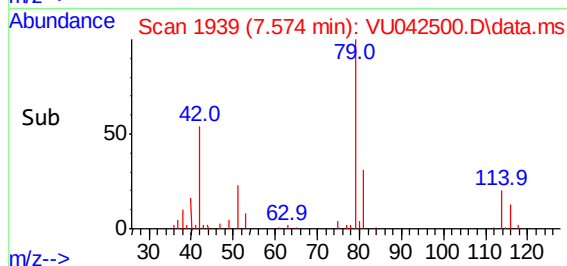
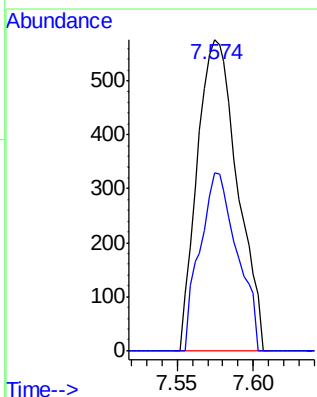
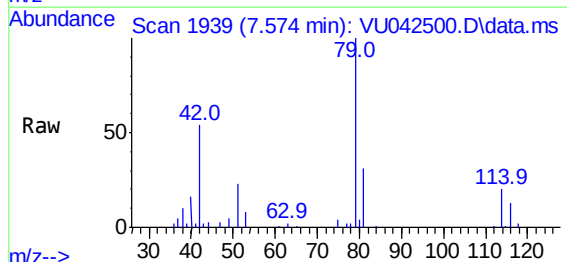
Instrument :
MSVOA_U
ClientSampled :
C03S5

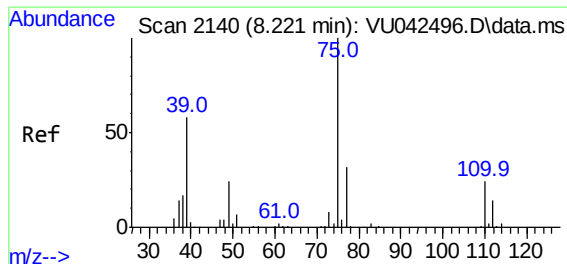
Tgt Ion: 63 Resp: 3924
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Tgt Ion: 75 Resp: 1059
Ion Ratio Lower Upper
75 100
77 57.1 22.0 40.8#



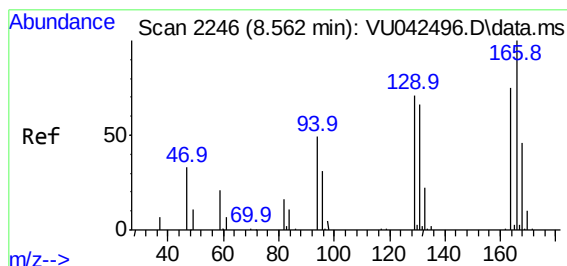
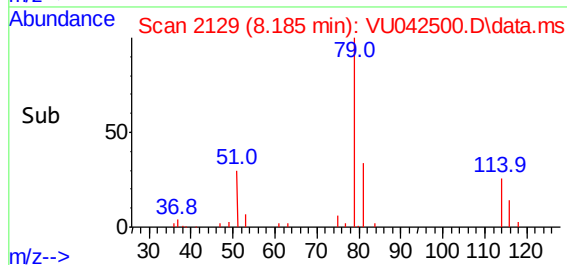
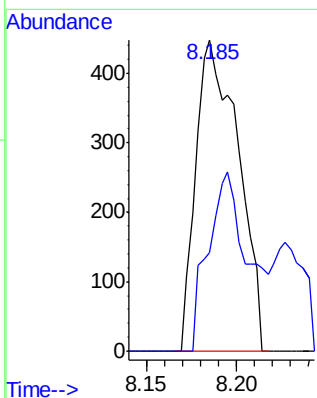
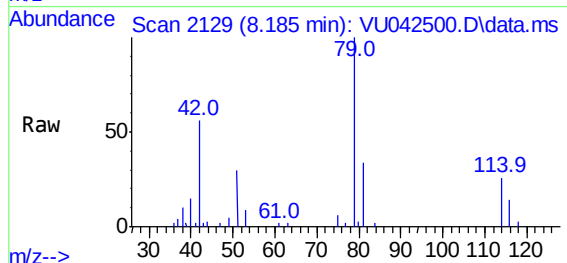


#44

trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.033 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Instrument :
MSVOA_U
ClientSampleId :
C03S5

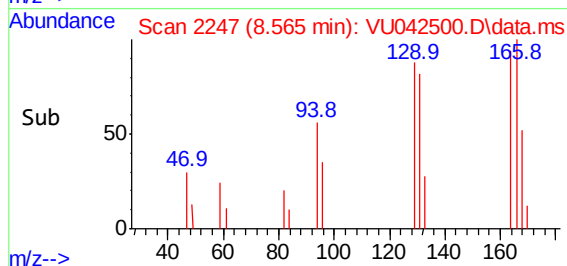
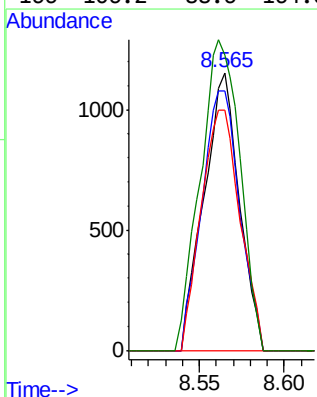
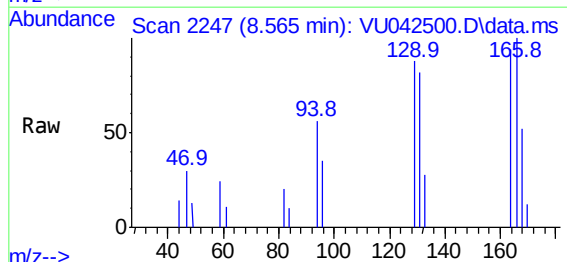
Tgt Ion: 75 Resp: 726
Ion Ratio Lower Upper
75 100
77 31.7 21.8 40.4

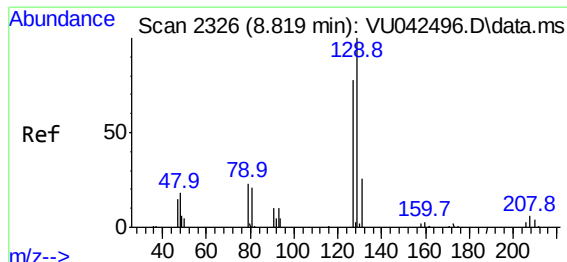


#47

Tetrachloroethene
Concen: 0.23 ug/L
RT: 8.565 min Scan# 2247
Delta R.T. 0.003 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Tgt Ion: 164 Resp: 1665
Ion Ratio Lower Upper
164 100
129 93.5 64.3 119.5
131 86.7 62.2 115.6
166 106.2 88.6 164.6





#49

Dibromochloromethane

Concen: 0.21 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.258 min

Lab File: VU042500.D

Acq: 05 Mar 2021 14:16

Instrument :

MSVOA_U

ClientSampled :

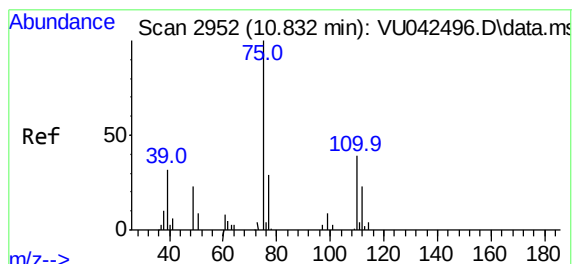
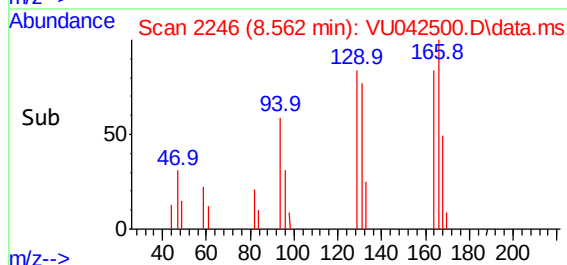
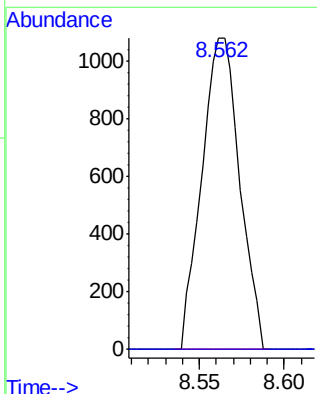
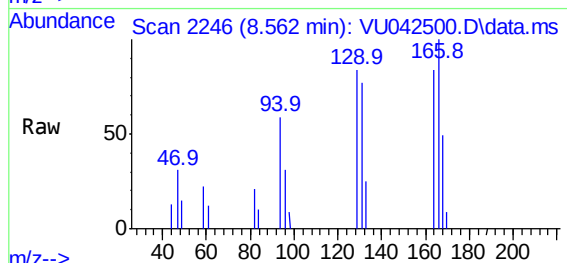
C03S5

Tgt Ion:129 Resp: 1676

Ion Ratio Lower Upper

129 100

127 0.0 52.3 97.1#



#59

1,2,3-Trichloropropane

Concen: 0.08 ug/L

RT: 10.645 min Scan# 2894

Delta R.T. -0.187 min

Lab File: VU042500.D

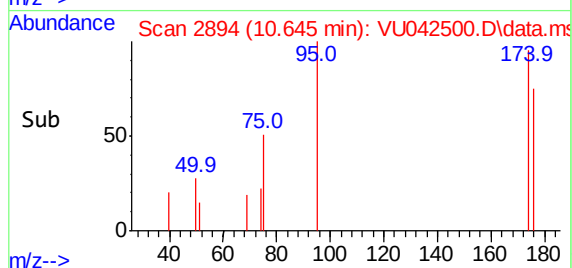
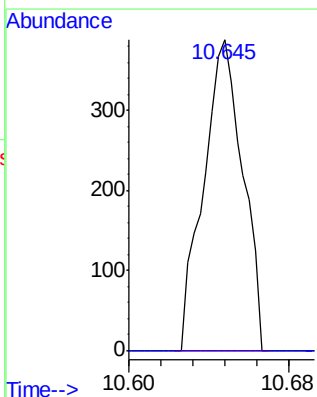
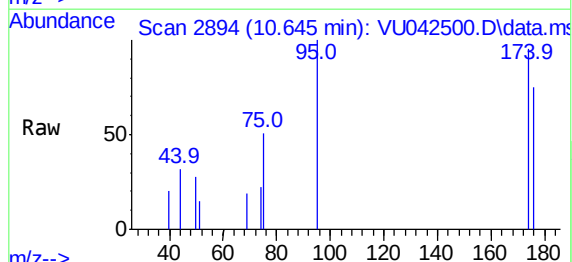
Acq: 05 Mar 2021 14:16

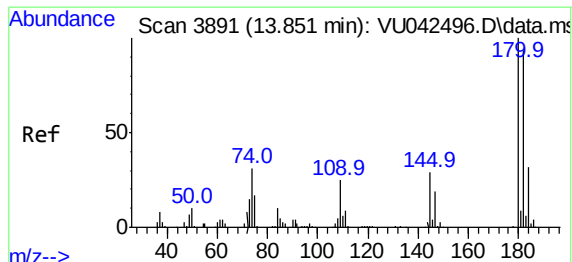
Tgt Ion: 75 Resp: 546

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

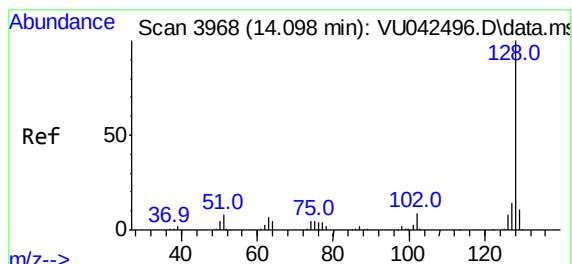
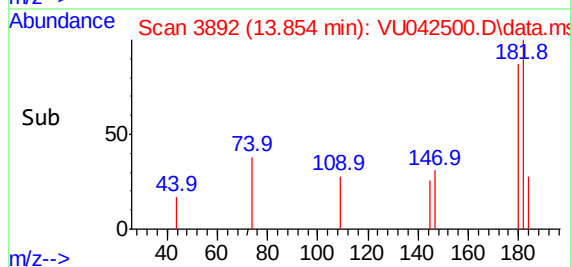
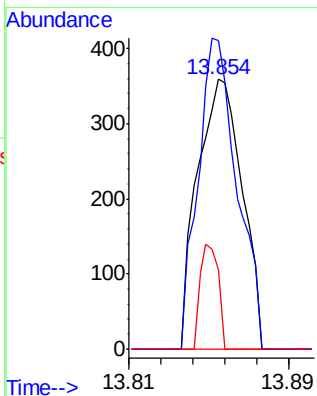
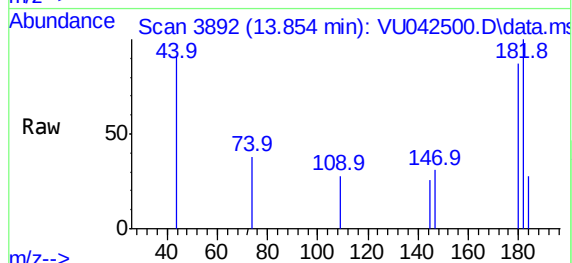




#68
1,2,4-trichlorobenzene
Concen: 0.05 ug/L
RT: 13.854 min Scan# 3892
Delta R.T. 0.006 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Instrument :
MSVOA_U
ClientSampleId :
C03S5

Tgt Ion:180 Resp: 577
Ion Ratio Lower Upper
180 100
182 100.2 76.3 114.5
145 16.1 23.7 35.5#



#69
Naphthalene
Concen: 0.07 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042500.D
Acq: 05 Mar 2021 14:16

Tgt Ion:128 Resp: 1454
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 3.0 10.6 15.8#

