

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041322\
 Data File : VW025495.D
 Acq On : 13 Apr 2022 16:22
 Operator : SY/MD
 Sample : N2356-12
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 14 03:11:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 14 03:09:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	115572	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.850	117	111580	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52626	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	41701	3.881	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.571	69	41981	3.673	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.111	63	86649	4.026	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	3.908	46	85698	65.568	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.140%#
24) Chloroform-d	4.352	84	73354	4.518	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.037	65	33652	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.053	84	136559	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.075	67	41033	4.557	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.317	98	107647	3.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.800%
43) trans-1,3-Dichloroprop...	7.628	79	11382	3.761	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.091	63	54428	51.244	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.480%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28755	5.055	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	39785	4.509	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.224	50	1071	0.094	ug/L #	41
5) Vinyl chloride	1.314	62	20883	1.629	ug/L	100
8) Chloroethane	1.368	64	14276	1.443	ug/L #	56
9) Trichlorofluoromethane	1.992	101	21519	1.195	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	1.992	101	21519	2.127	ug/L #	1
12) 1,1-Dichloroethene	2.121	96	34743	3.466	ug/L	94
13) Acetone	1.992	43	15941	17.969	ug/L	39
14) Carbon disulfide	2.297	76	3171	0.132	ug/L #	83
18) trans-1,2-Dichloroethene	2.764	96	128102	15.251	ug/L	99
19) 1,1-Dichloroethane	3.198	63	15326	1.077	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	11949796	1351.325	ug/L	94
25) Chloroform	4.381	83	5690	0.379	ug/L	81
27) 1,2-Dichloroethane	5.166	62	1295	0.163	ug/L #	71
29) 1,1,1-Trichloroethane	4.609	97	43566	3.310	ug/L	99
31) Carbon tetrachloride	4.616	117	5514	0.495	ug/L	98
33) Benzene	5.108	78	7431	0.225	ug/L	100
35) Methylcyclohexane	5.931	83	574363	41.131	ug/L #	1
37) 1,2-Dichloropropane	6.075	63	4810	0.631	ug/L #	85
38) Bromodichloromethane	6.513	83	598	0.063	ug/L #	70

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

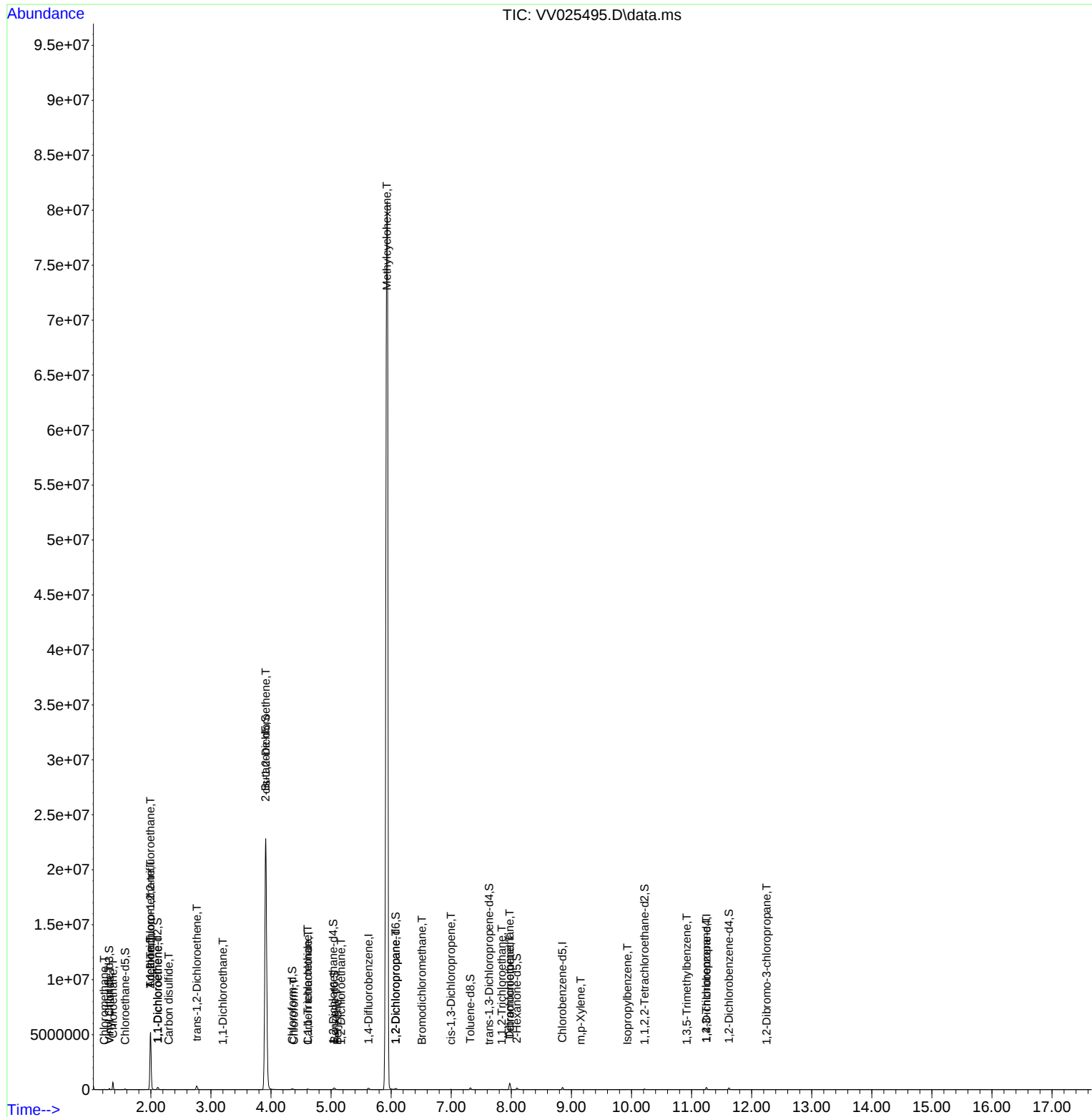
39) cis-1,3-Dichloropropene	6.995	75	1023	0.102	ug/L #	79
45) 1,1,2-Trichloroethane	7.841	97	9567	1.874	ug/L	93
47) Tetrachloroethene	7.976	164	126847	18.514	ug/L	96
49) Dibromochloromethane	7.973	129	119013	21.231	ug/L #	11
53) m,p-Xylene	9.153	106	622	0.043	ug/L	100
60) Isopropylbenzene	9.931	105	10100	0.310	ug/L	95
61) 1,2,3-Trichloropropane	11.246	75	6451	1.861	ug/L #	59
62) 1,3,5-Trimethylbenzene	10.921	105	461	0.032	ug/L #	78
68) 1,2-Dibromo-3-chloropr...	12.249	75	103	0.172	ug/L #	2

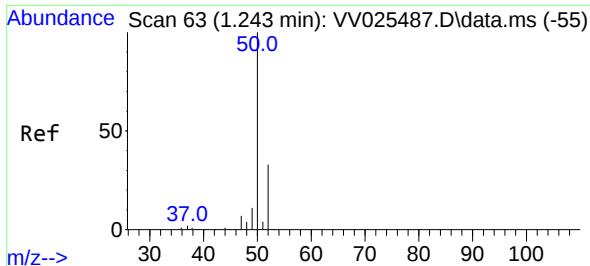
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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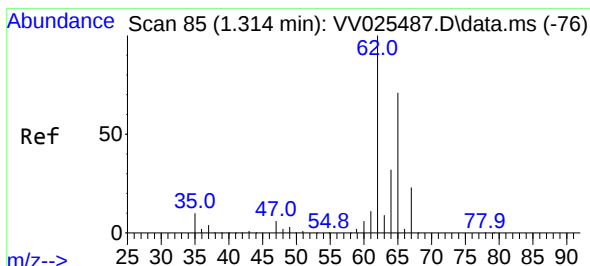
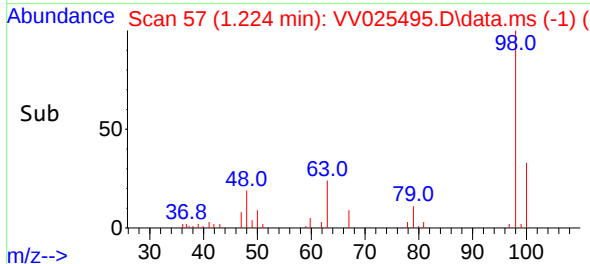
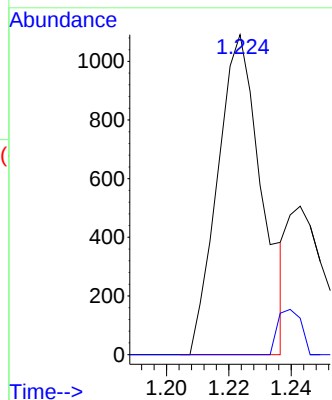
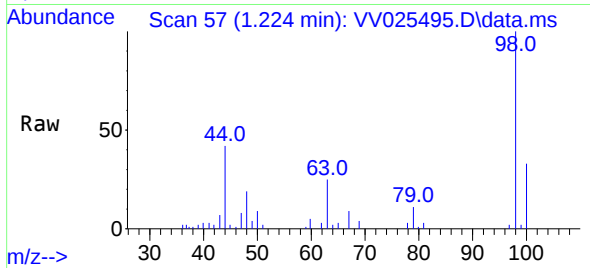




#3
Chloromethane
Concen: 0.094 ug/L
RT: 1.224 min Scan# 51
Delta R.T. -0.019 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

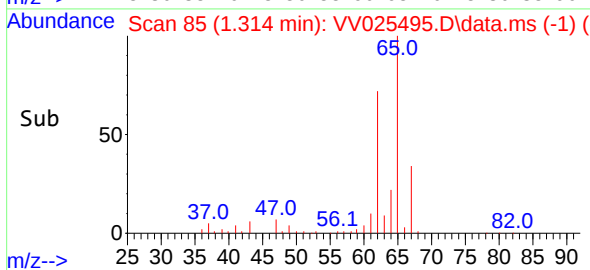
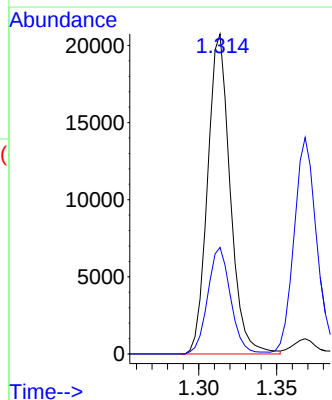
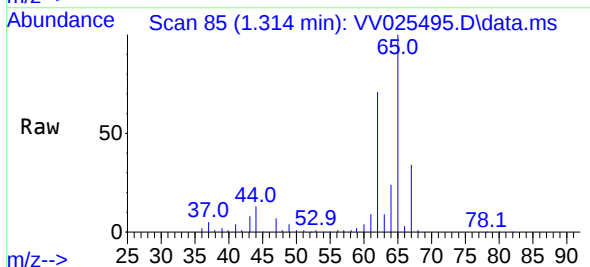
Instrument :
MSVOA_V
ClientSampleId :

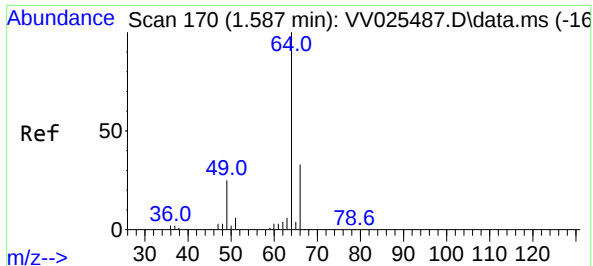
Tgt Ion: 50 Resp: 1071
Ion Ratio Lower Upper
50 100
52 0.0 23.7 43.9#



#5
Vinyl chloride
Concen: 1.629 ug/L
RT: 1.314 min Scan# 85
Delta R.T. 0.000 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

Tgt Ion: 62 Resp: 20883
Ion Ratio Lower Upper
62 100
64 33.3 23.2 43.2

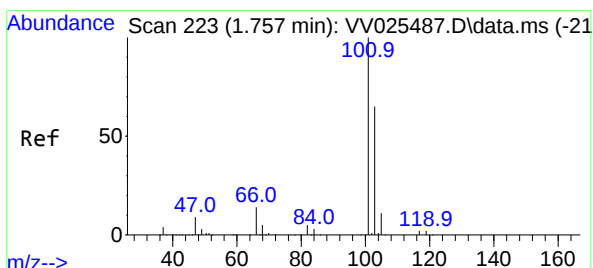
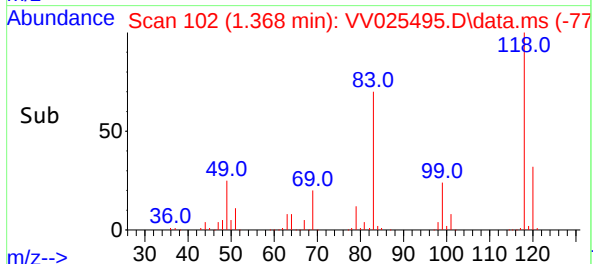
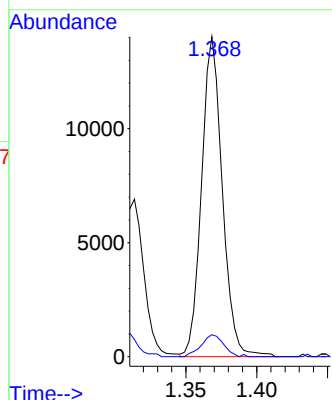
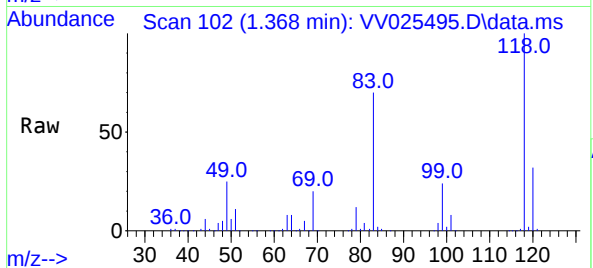




#8
Chloroethane
Concen: 1.443 ug/L
RT: 1.368 min Scan# 102
Delta R.T. -0.219 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

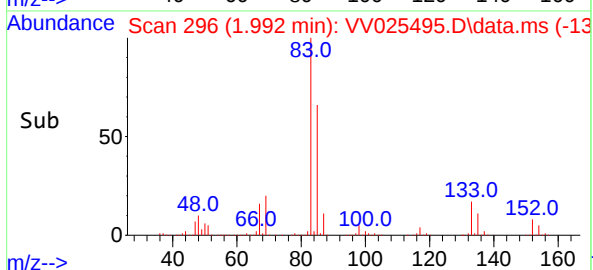
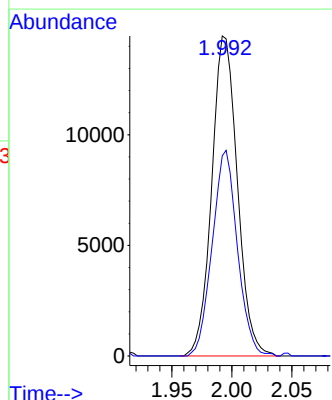
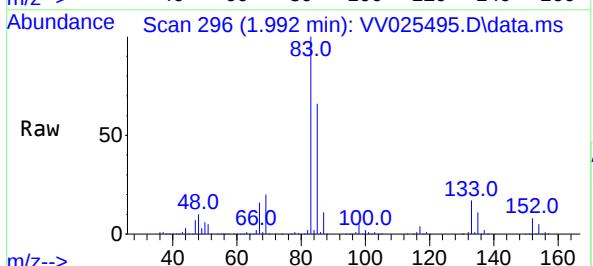
Instrument :
MSVOA_V
ClientSampleId :

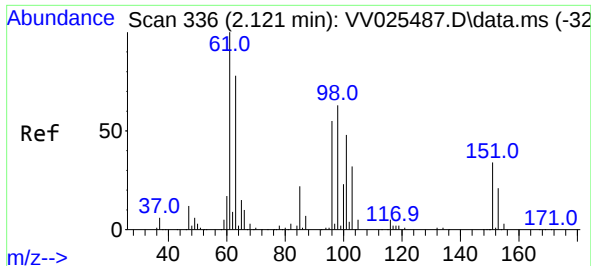
Tgt Ion: 64 Resp: 14276
Ion Ratio Lower Upper
64 100
66 6.9 21.8 40.6#



#9
Trichlorofluoromethane
Concen: 1.195 ug/L
RT: 1.992 min Scan# 296
Delta R.T. 0.235 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

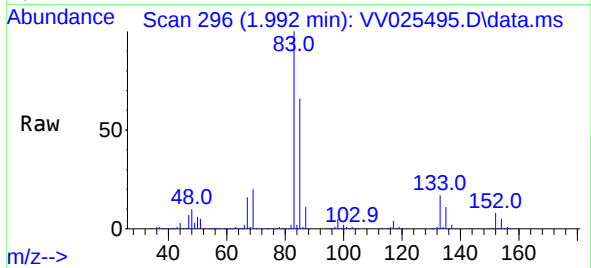
Tgt Ion:101 Resp: 21519
Ion Ratio Lower Upper
101 100
103 63.0 51.9 77.9



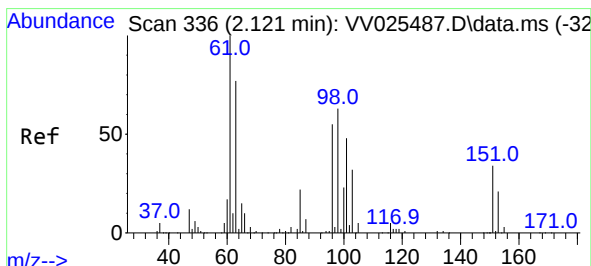
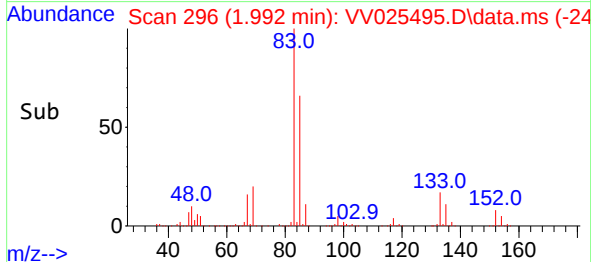
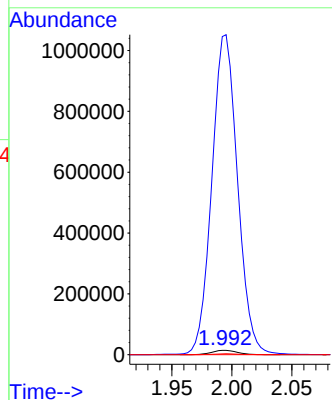


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.127 ug/L
 RT: 1.992 min Scan# 296
 Delta R.T. -0.129 min
 Lab File: VV025495.D
 Acq: 13 Apr 2022 16:22

Instrument :
 MSVOA_V
 ClientSampleId :

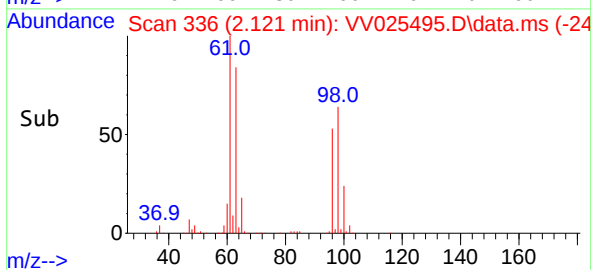
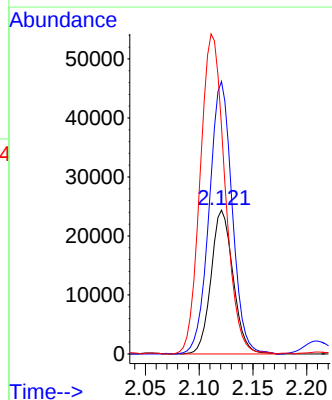
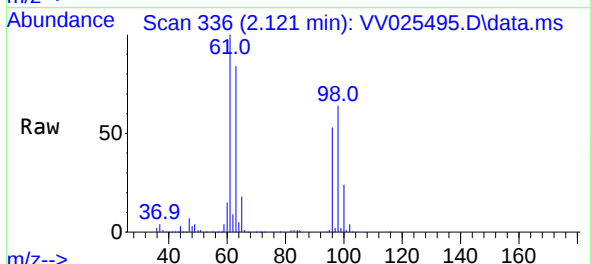


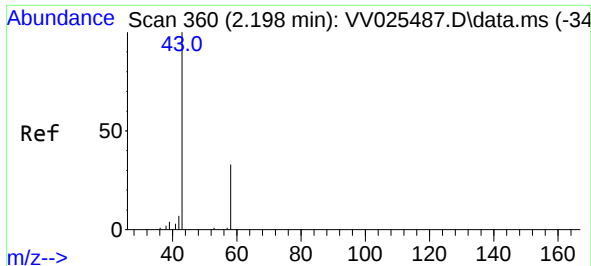
Tgt Ion:101 Resp: 21519
 Ion Ratio Lower Upper
 101 100
 85 7316.8 35.9 53.9#
 151 20.1 56.0 84.0#



#12
 1,1-Dichloroethene
 Concen: 3.466 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.000 min
 Lab File: VV025495.D
 Acq: 13 Apr 2022 16:22

Tgt Ion: 96 Resp: 34743
 Ion Ratio Lower Upper
 96 100
 61 189.4 125.2 232.4
 63 158.3 114.4 212.4

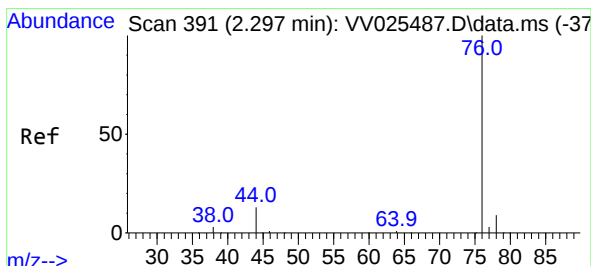
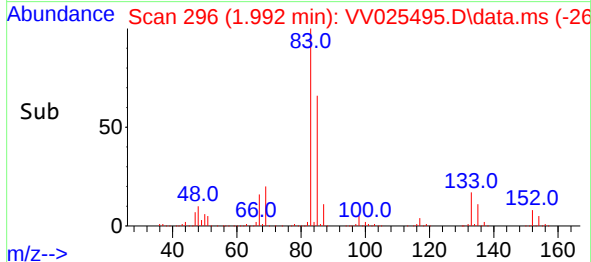
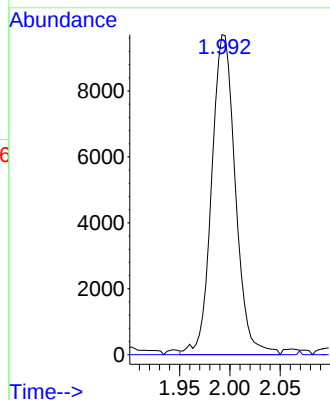
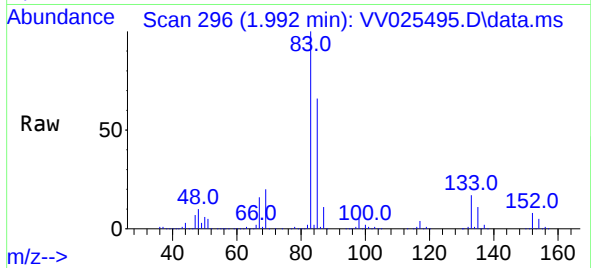




#13
Acetone
Concen: 17.969 ug/L
RT: 1.992 min Scan# 296
Delta R.T. -0.206 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

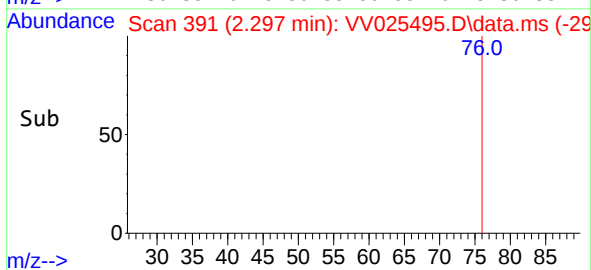
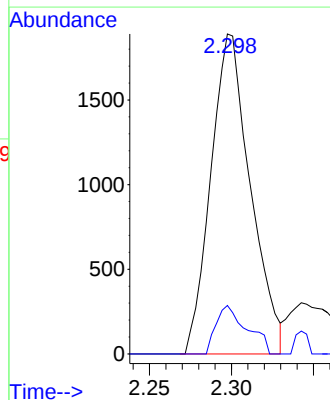
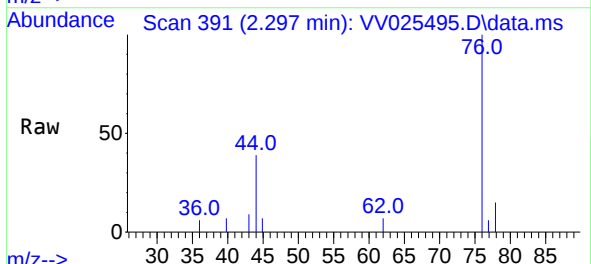
Instrument :
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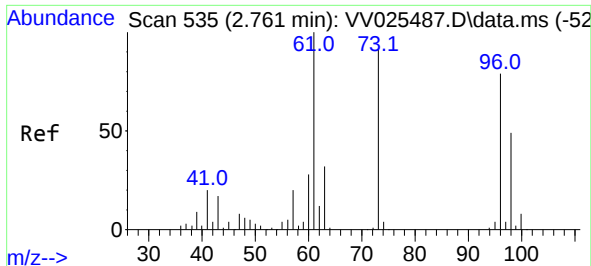
Tgt Ion: 43 Resp: 15941
Ion Ratio Lower Upper
43 100
58 0.4 0.0 72.2



#14
Carbon disulfide
Concen: 0.132 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.000 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

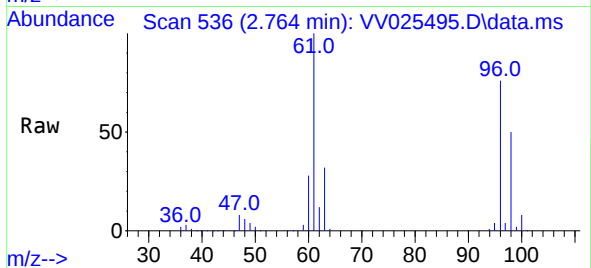
Tgt Ion: 76 Resp: 3171
Ion Ratio Lower Upper
76 100
78 15.1 7.3 10.9#



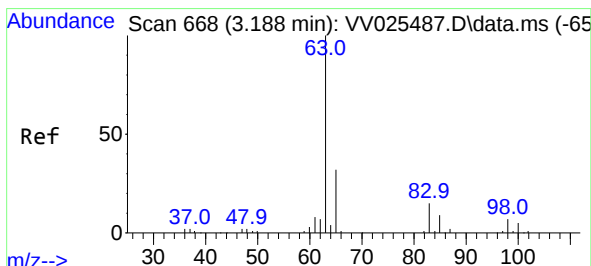
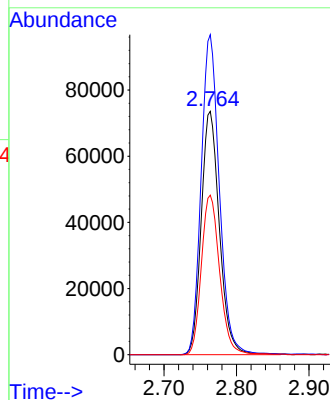
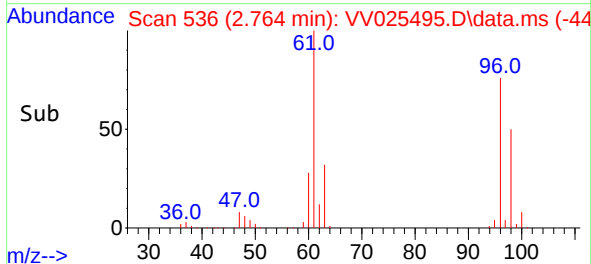


#18
trans-1,2-Dichloroethene
Concen: 15.251 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

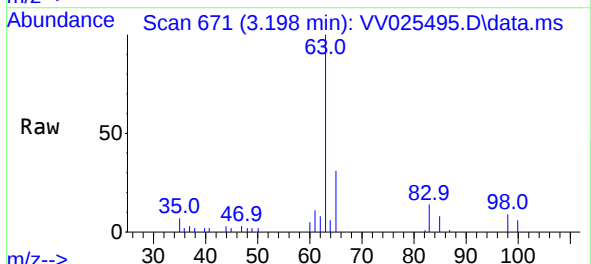
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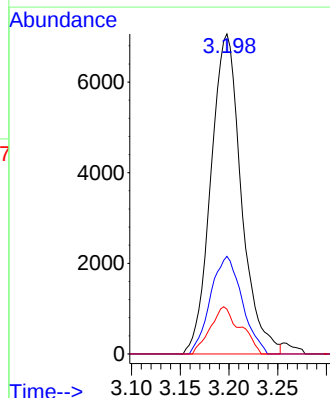
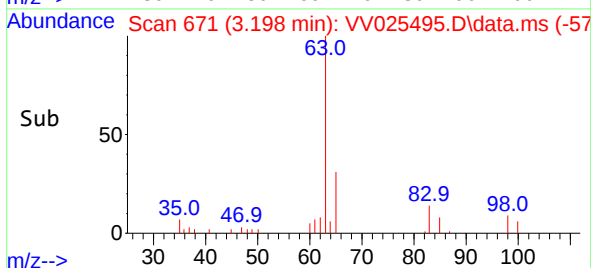
Tgt Ion: 96 Resp: 128102
Ion Ratio Lower Upper
96 100
61 131.5 92.1 171.1
98 65.6 47.5 88.1

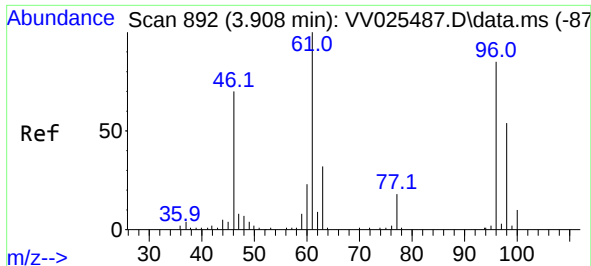


#19
1,1-Dichloroethane
Concen: 1.077 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.010 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22



Tgt Ion: 63 Resp: 15326
Ion Ratio Lower Upper
63 100
65 30.5 23.2 43.0
83 14.0 9.0 16.8

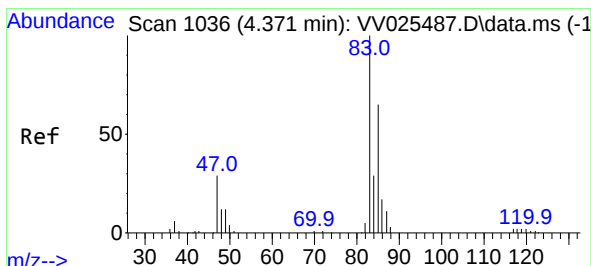
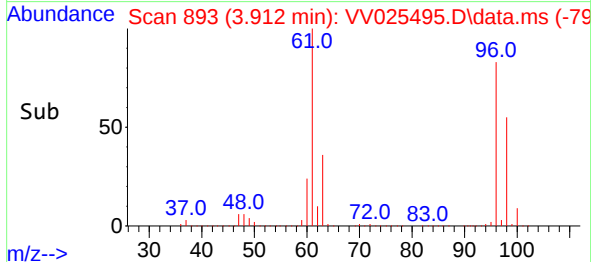
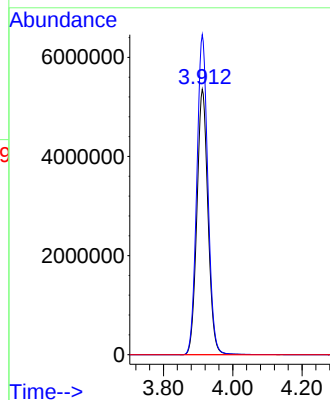
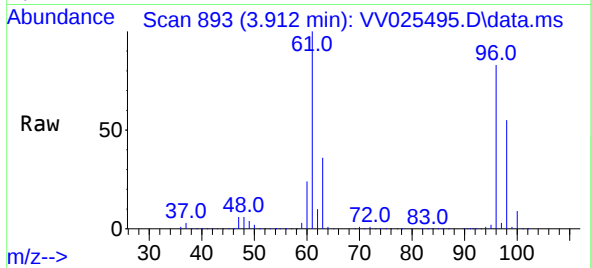




#22
 cis-1,2-Dichloroethene
 Concen: 1351.325 ug/L
 RT: 3.912 min Scan# 89
 Delta R.T. 0.003 min
 Lab File: VV025495.D
 Acq: 13 Apr 2022 16:22

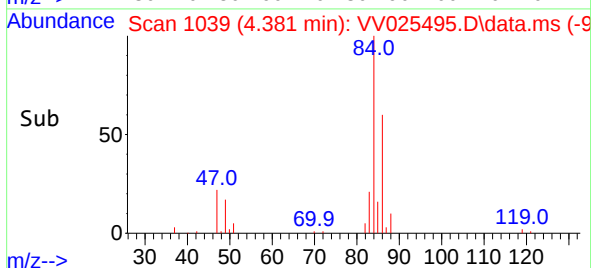
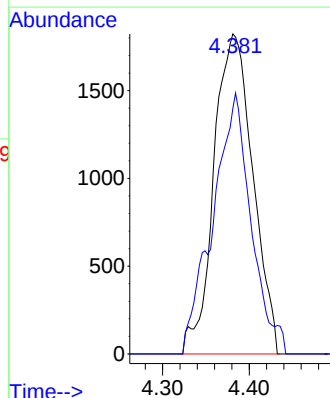
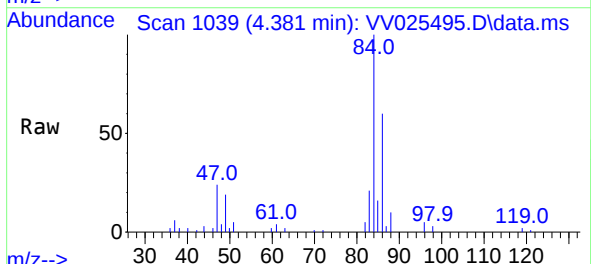
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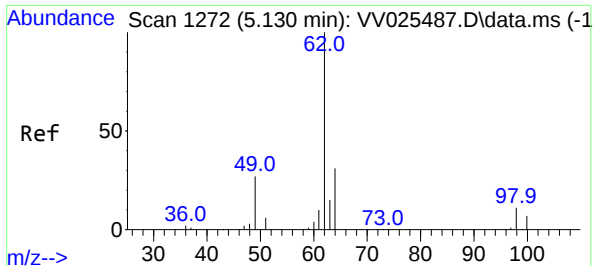
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 Ion Ratio Lower Upper
 96 100
 61 120.6 80.0 148.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.379 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.010 min
 Lab File: VV025495.D
 Acq: 13 Apr 2022 16:22

Tgt Ion: 83 Resp: 5690
 Ion Ratio Lower Upper
 83 100
 85 76.7 43.5 80.7

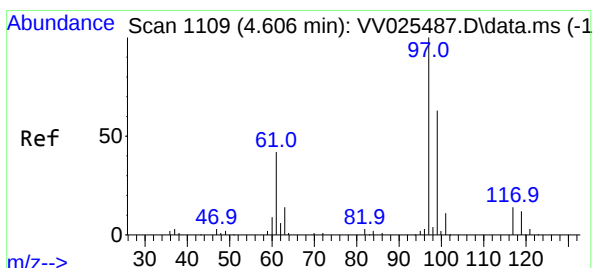
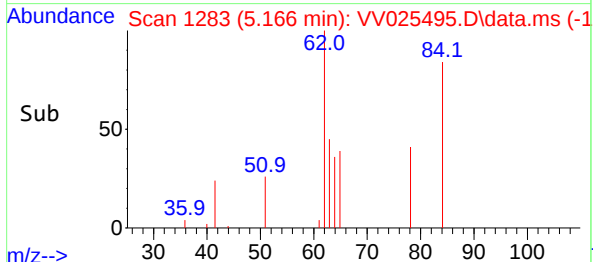
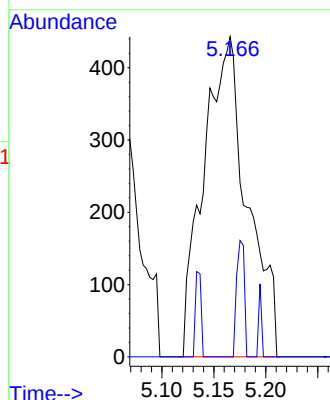
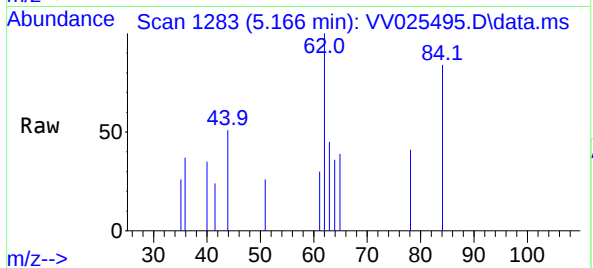




#27
1,2-Dichloroethane
Concen: 0.163 ug/L
RT: 5.166 min Scan# 1110
Delta R.T. 0.035 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

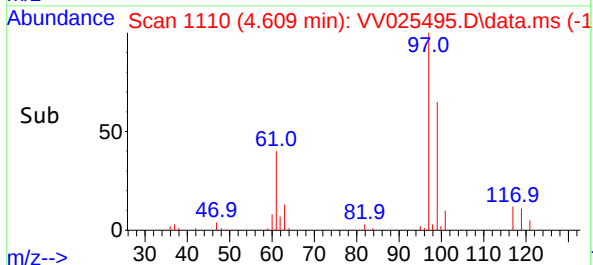
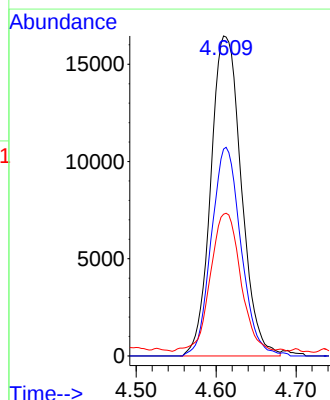
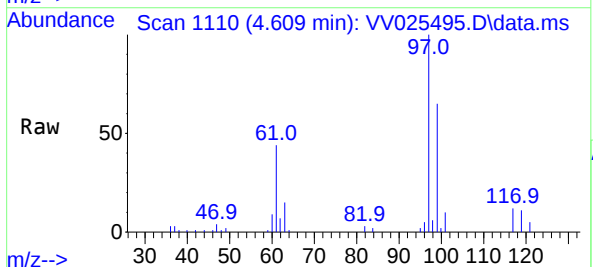
Instrument :
MSVOA_V
ClientSampleId :

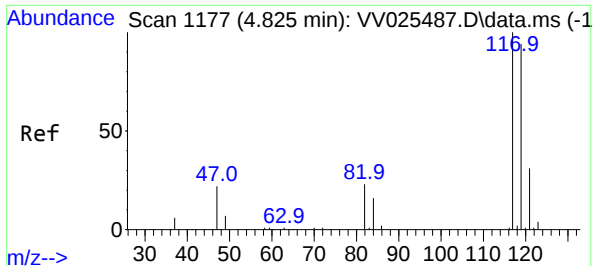
Tgt Ion: 62 Resp: 1295
Ion Ratio Lower Upper
62 100
98 0.0 8.8 13.2#



#29
1,1,1-Trichloroethane
Concen: 3.310 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

Tgt Ion: 97 Resp: 43566
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 42.6 34.3 51.5

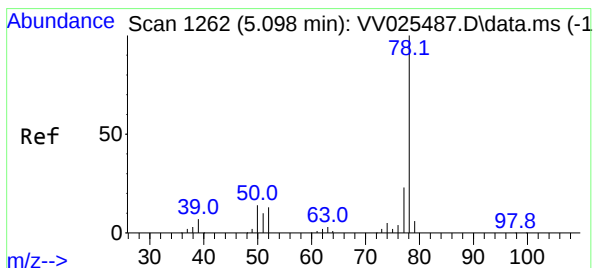
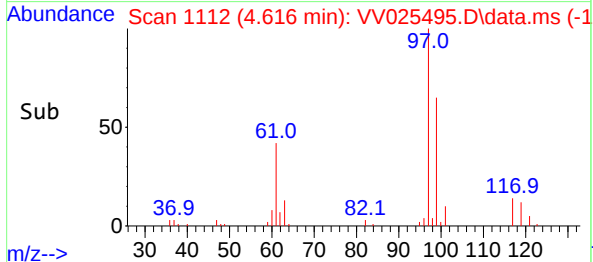
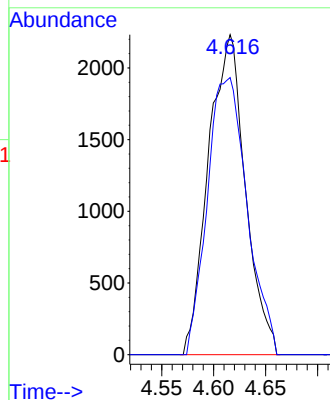
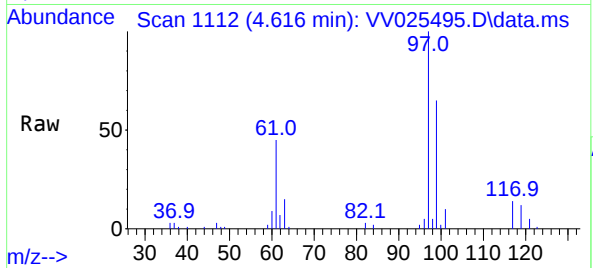




#31
Carbon tetrachloride
Concen: 0.495 ug/L
RT: 4.616 min Scan# 1177
Delta R.T. -0.209 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

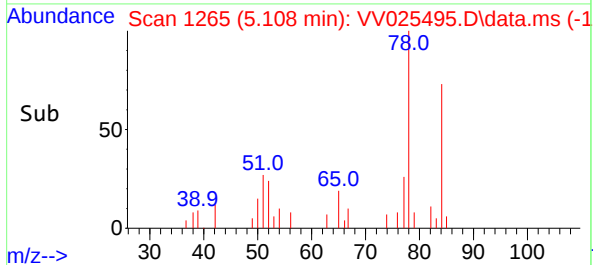
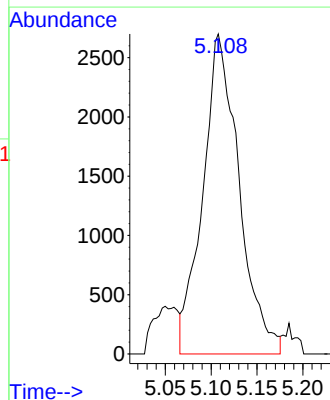
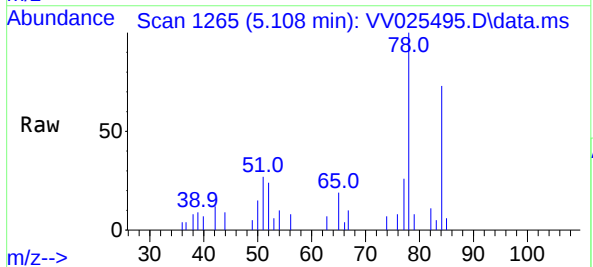
Instrument :
MSVOA_V
ClientSampleId :

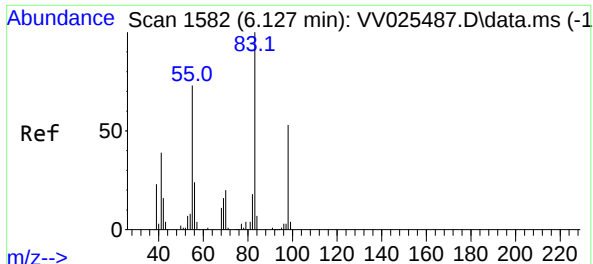
Tgt Ion:117 Resp: 5514
Ion Ratio Lower Upper
117 100
119 93.3 76.6 114.8



#33
Benzene
Concen: 0.225 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.010 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

Tgt Ion: 78 Resp: 7431

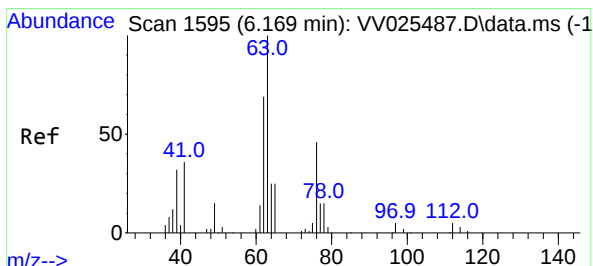
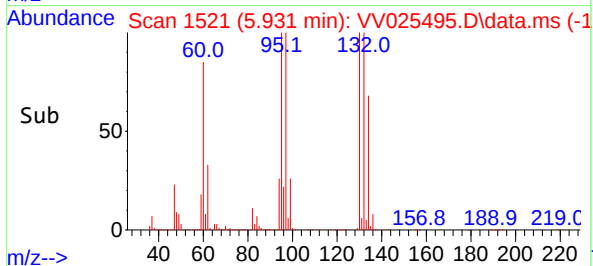
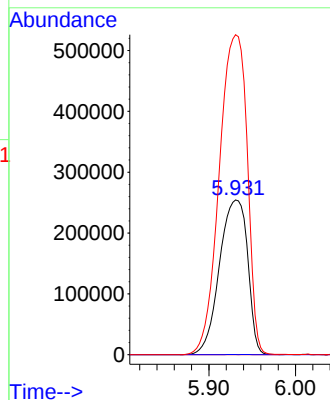
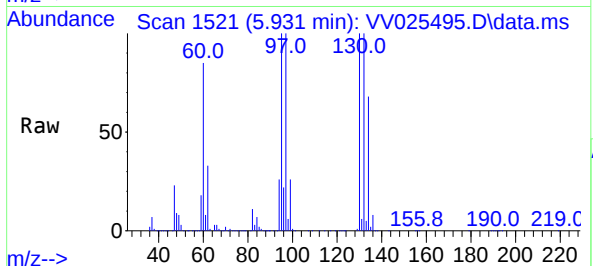




#35
Methylcyclohexane
Concen: 41.131 ug/L
RT: 5.931 min Scan# 11
Delta R.T. -0.196 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

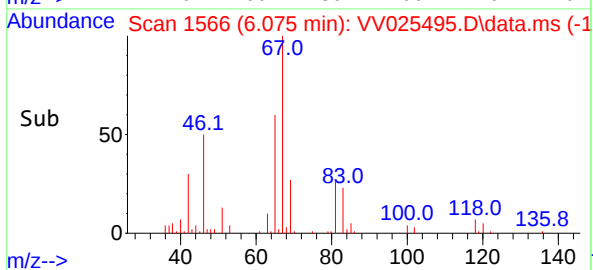
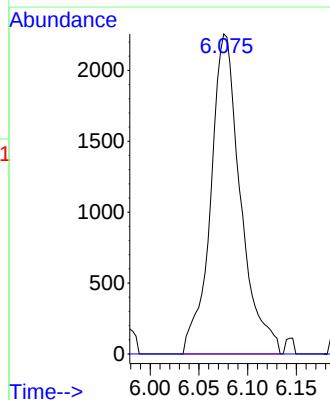
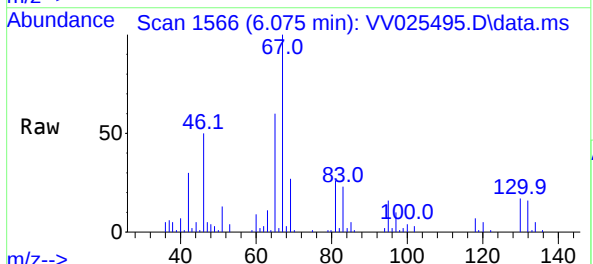
Instrument :
MSVOA_V
ClientSampleId :

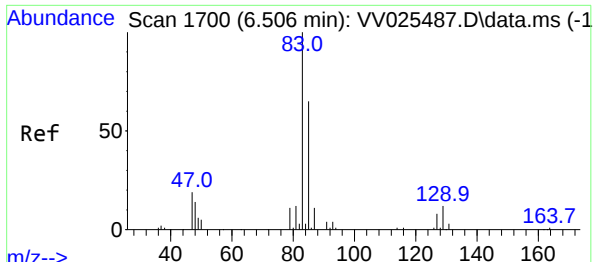
Tgt Ion: 83 Resp: 574363
Ion Ratio Lower Upper
83 100
55 0.0 53.7 80.5#
98 205.9 39.6 59.4#



#37
1,2-Dichloropropane
Concen: 0.631 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.093 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

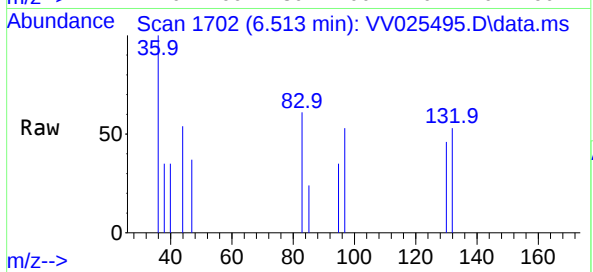
Tgt Ion: 63 Resp: 4810
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



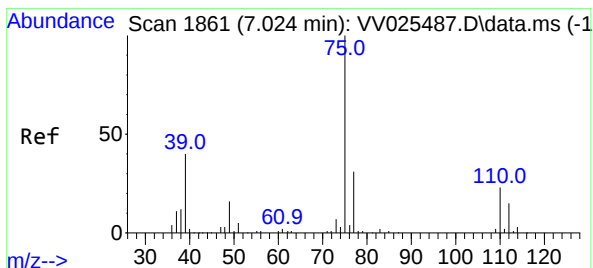
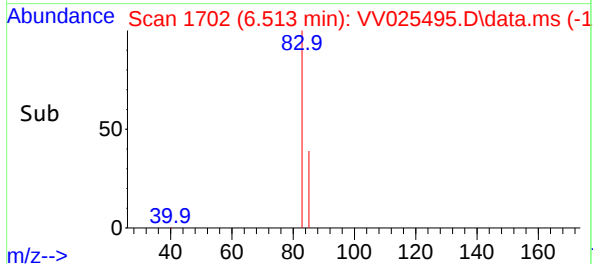
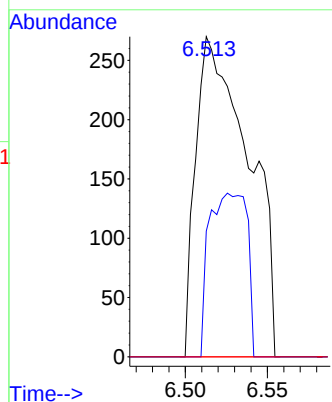


#38
Bromodichloromethane
Concen: 0.063 ug/L
RT: 6.513 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

Instrument :
MSVOA_V
ClientSampleId :

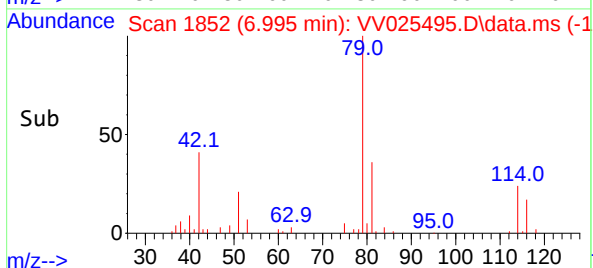
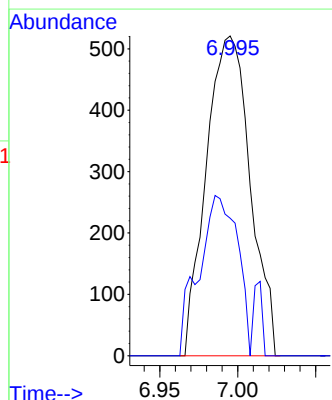
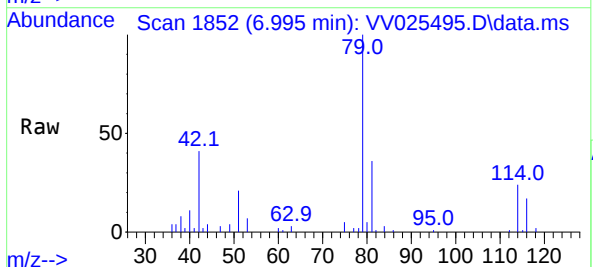


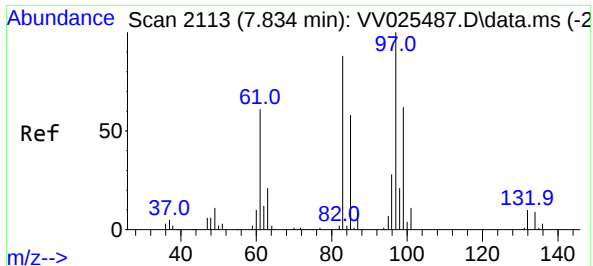
Tgt Ion: 83 Resp: 598
Ion Ratio Lower Upper
83 100
85 39.3 44.4 82.4#
127 0.0 7.2 10.8#



#39
cis-1,3-Dichloropropene
Concen: 0.102 ug/L
RT: 6.995 min Scan# 1852
Delta R.T. -0.029 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

Tgt Ion: 75 Resp: 1023
Ion Ratio Lower Upper
75 100
77 43.0 21.8 40.6#





#45

1,1,2-Trichloroethane

Concen: 1.874 ug/L

RT: 7.841 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VV025495.D

Acq: 13 Apr 2022 16:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 9567

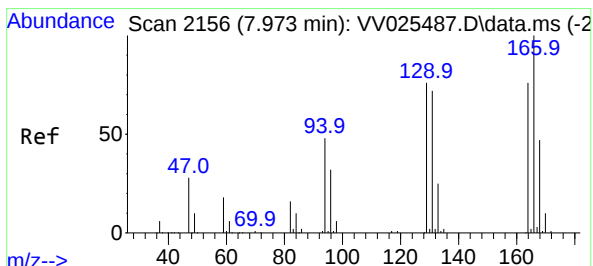
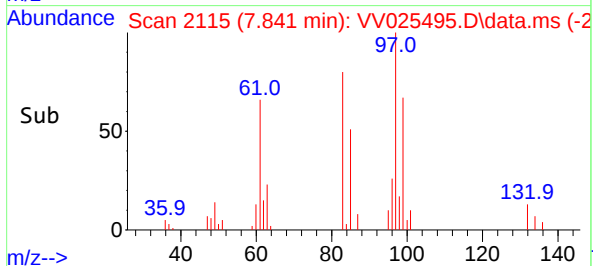
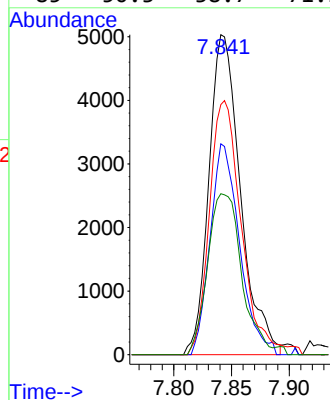
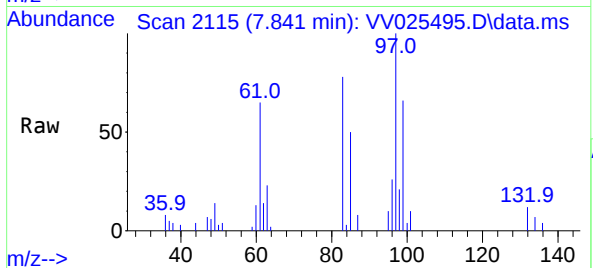
Ion Ratio Lower Upper

97 100

99 65.9 43.8 81.4

83 78.2 60.3 112.1

85 50.3 38.7 71.9



#47

Tetrachloroethene

Concen: 18.514 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025495.D

Acq: 13 Apr 2022 16:22

Tgt Ion:164 Resp: 126847

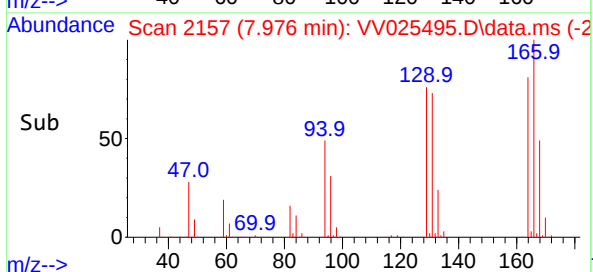
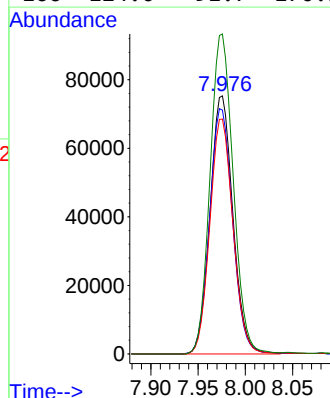
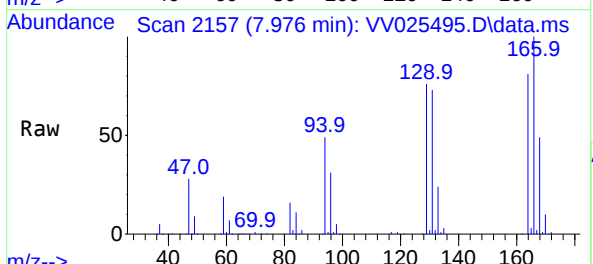
Ion Ratio Lower Upper

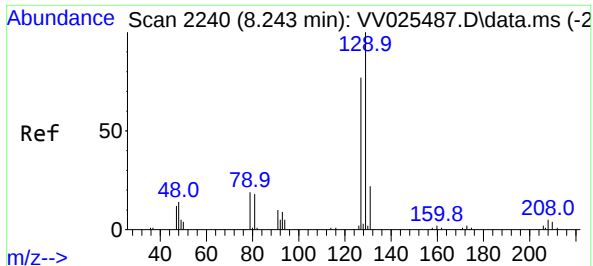
164 100

129 94.5 66.8 124.2

131 91.0 66.4 123.4

166 124.0 91.7 170.3





#49

Dibromochloromethane

Concen: 21.231 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV025495.D

Acq: 13 Apr 2022 16:22

Instrument :

MSVOA_V

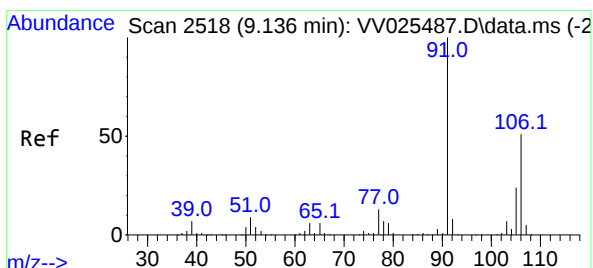
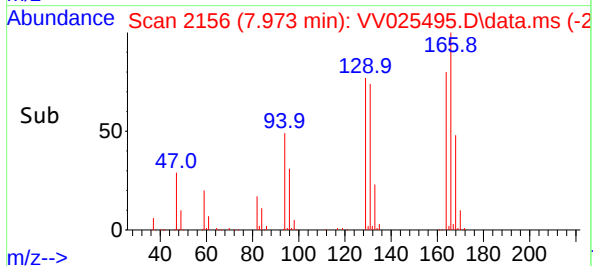
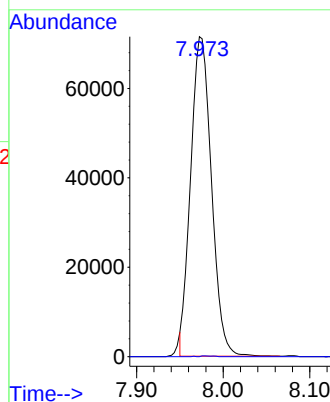
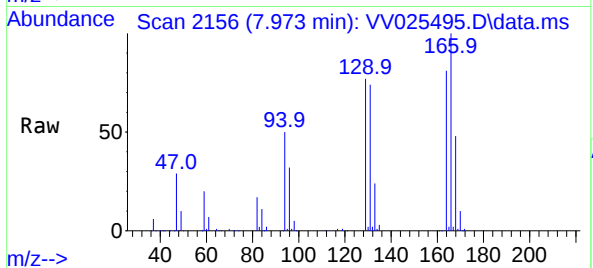
ClientSampleId :

Tgt Ion:129 Resp: 119013

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#53

m,p-Xylene

Concen: 0.043 ug/L

RT: 9.153 min Scan# 2523

Delta R.T. 0.016 min

Lab File: VV025495.D

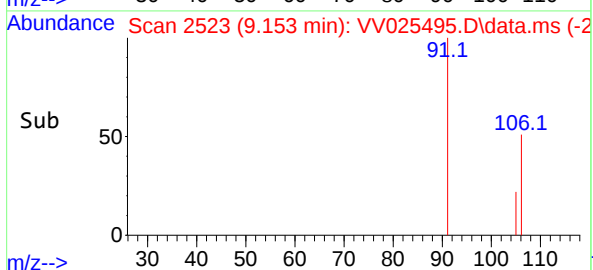
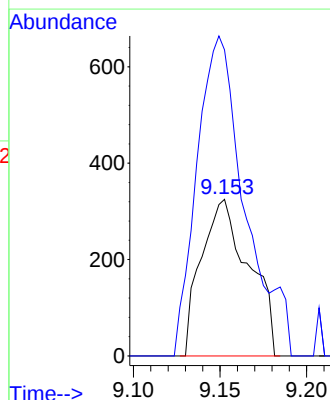
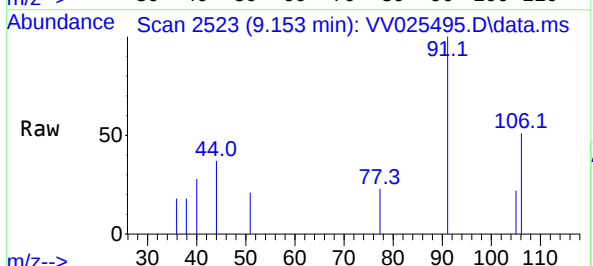
Acq: 13 Apr 2022 16:22

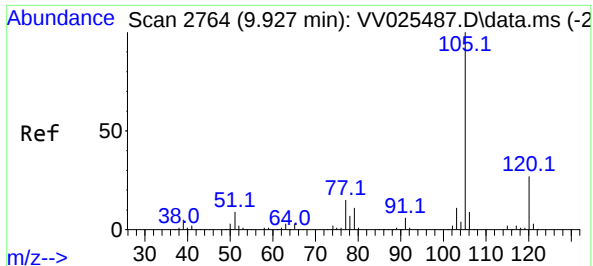
Tgt Ion:106 Resp: 622

Ion Ratio Lower Upper

106 100

91 195.4 136.4 253.4

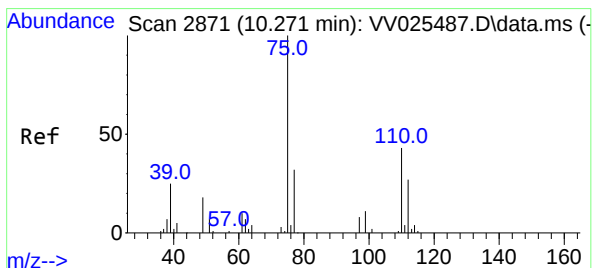
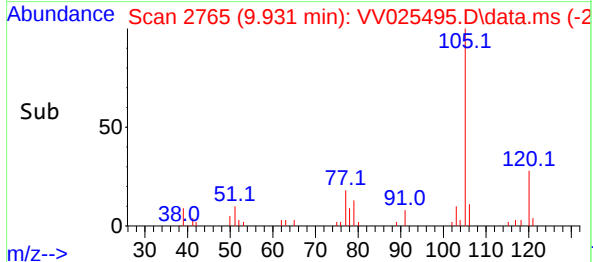
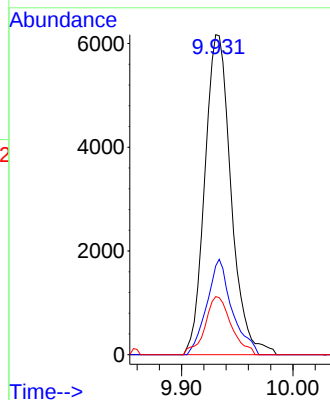
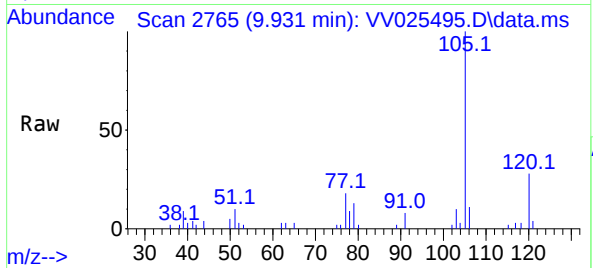




#60
Isopropylbenzene
Concen: 0.310 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

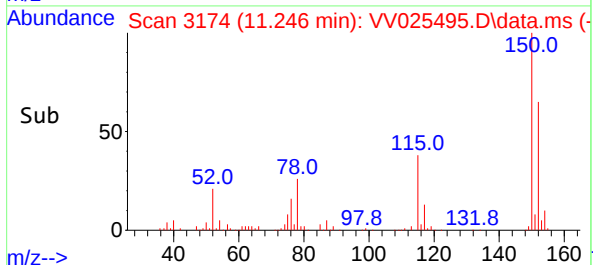
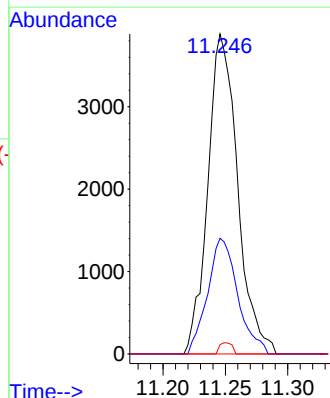
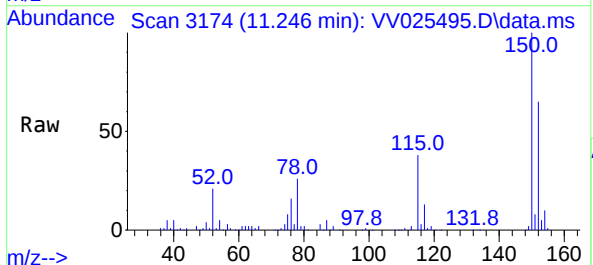
Instrument :
MSVOA_V
ClientSampleId :

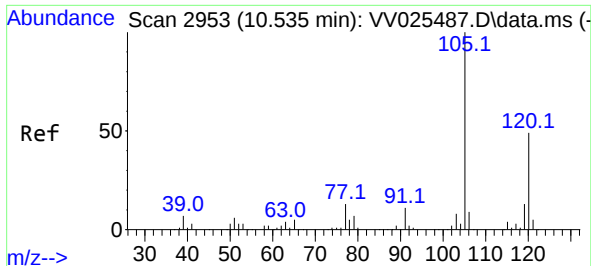
Tgt Ion:105 Resp: 10100
Ion Ratio Lower Upper
105 100
120 28.6 21.2 31.8
77 18.1 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 1.861 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025495.D
Acq: 13 Apr 2022 16:22

Tgt Ion: 75 Resp: 6451
Ion Ratio Lower Upper
75 100
77 36.6 25.6 38.4
110 1.5 34.7 52.1#

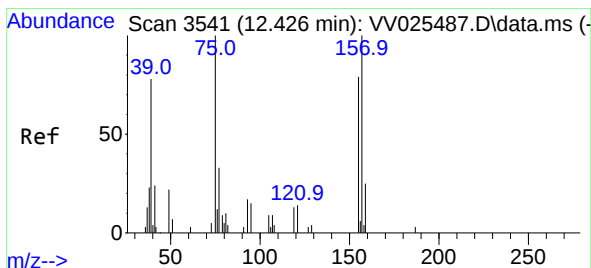
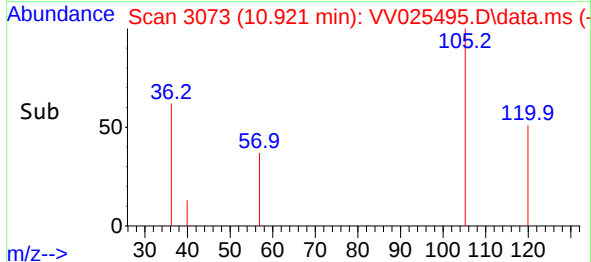
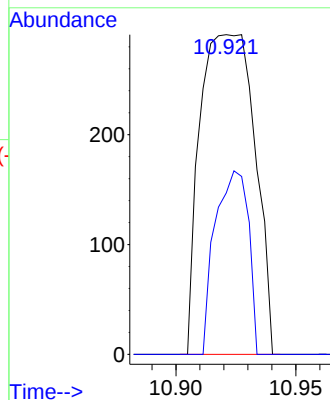
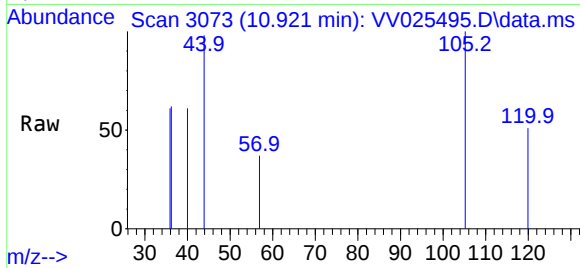




#62
 1,3,5-Trimethylbenzene
 Concen: 0.032 ug/L
 RT: 10.921 min Scan# 30
 Delta R.T. 0.386 min
 Lab File: VV025495.D
 Acq: 13 Apr 2022 16:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:105 Resp: 461
 Ion Ratio Lower Upper
 105 100
 120 34.7 39.6 59.4#



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.172 ug/L
 RT: 12.249 min Scan# 3486
 Delta R.T. -0.177 min
 Lab File: VV025495.D
 Acq: 13 Apr 2022 16:22

Tgt Ion: 75 Resp: 103
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.8 98.8#
 157 0.0 86.6 130.0#

