

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120123\
 Data File : VW033073.D
 Acq On : 01 Dec 2023 12:38
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 04 03:54:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 03:53:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	351653	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	346773	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	191437	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	9947	4.732	ug/L	0.00
7) Chloroethane-d5	1.532	69	7142	4.876	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	4117	5.148	ug/L	0.00
21) 2-Butanone-d5	3.812	46	6011	5.902	ug/L	0.03
24) Chloroform-d	4.256	84	20497	4.594	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	12203	4.400	ug/L	0.00
32) Benzene-d6	4.963	84	36362	4.483	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	9605	4.405	ug/L	0.00
41) Toluene-d8	7.246	98	32036	4.141	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	5715	4.145	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	5991	6.976	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.153	84	12905	4.163	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	15480	4.545	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	19625	5.106	ug/L	97
3) Chloromethane	1.217	50	13181	5.199	ug/L	95
5) Vinyl chloride	1.285	62	12843	5.282	ug/L	99
6) Bromomethane	1.487	94	7834	4.938	ug/L	93
8) Chloroethane	1.552	64	6923	5.348	ug/L	93
9) Trichlorofluoromethane	1.716	101	20255	5.049	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	9290	4.931	ug/L	95
12) 1,1-Dichloroethene	2.072	96	8587	4.871	ug/L	98
13) Acetone	2.111	43	11322	11.359	ug/L	95
14) Carbon disulfide	2.243	76	32595	5.153	ug/L	99
15) Methyl Acetate	2.378	43	7954	4.788	ug/L	96
16) Methylene chloride	2.449	84	12254	5.249	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	11305	4.884	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	33057	4.701	ug/L	96
19) 1,1-Dichloroethane	3.114	63	19590	5.113	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	10991	4.475	ug/L	95
22) 2-Butanone	3.889	43	6702	5.487	ug/L	86
23) Bromochloromethane	4.153	128	7264	5.178	ug/L #	91
25) Chloroform	4.278	83	21179	4.807	ug/L	97
27) 1,2-Dichloroethane	5.047	62	17514	5.030	ug/L	97
29) Cyclohexane	4.584	56	15741	4.915	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	21195	4.946	ug/L	99
31) Carbon tetrachloride	4.735	117	19100	4.793	ug/L	97
33) Benzene	5.014	78	41233	4.692	ug/L	100
34) Trichloroethene	5.838	95	13638	5.195	ug/L	93
35) Methylcyclohexane	6.050	83	18130	4.758	ug/L	99
37) 1,2-Dichloropropane	6.098	63	9236	4.541	ug/L #	91
38) Bromodichloromethane	6.436	83	15647	4.772	ug/L	94
39) cis-1,3-Dichloropropene	6.960	75	17088	4.631	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	18031	8.350	ug/L	94
42) Toluene	7.317	91	45751	4.620	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	16040	4.298	ug/L	95

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 ClientSampleId :

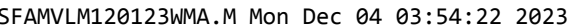
Quant Time: Dec 04 03:54:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 03:53:30 2023
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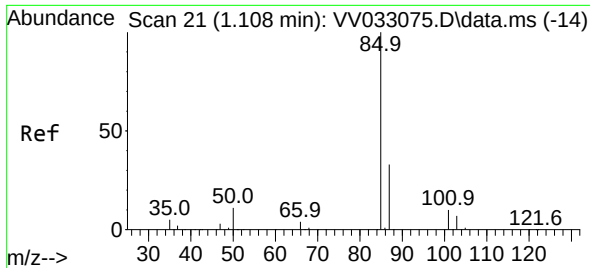
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.773	97	11674	4.951	ug/L	93
46) Tetrachloroethene	7.908	164	11044	4.894	ug/L	92
48) 2-Hexanone	8.082	43	13793	7.984	ug/L #	94
49) Dibromochloromethane	8.178	129	13346	4.741	ug/L	97
50) 1,2-Dibromoethane	8.284	107	12057	4.796	ug/L	96
51) Chlorobenzene	8.815	112	34055	4.891	ug/L	98
52) Ethylbenzene	8.947	91	52306	4.589	ug/L	100
53) m,p-Xylene	9.075	106	20635	4.572	ug/L	92
54) o-Xylene	9.480	106	20401	4.580	ug/L	95
55) Styrene	9.500	104	34107	4.426	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.178	83	14773	4.585	ug/L	97
59) Bromoform	9.667	173	10230	4.924	ug/L #	96
60) Isopropylbenzene	9.866	105	52892	4.792	ug/L	97
61) 1,2,3-Trichloropropane	10.210	75	12309	5.156	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	40777	4.585	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	40585	4.382	ug/L	95
64) 1,3-Dichlorobenzene	11.120	146	29886	5.068	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	32257	5.266	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	28933	5.005	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	3622	4.945	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	23698	5.017	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	21717	4.976	ug/L	99
71) Naphthalene	13.442	128	51689	4.857	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	20460	4.859	ug/L	97

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

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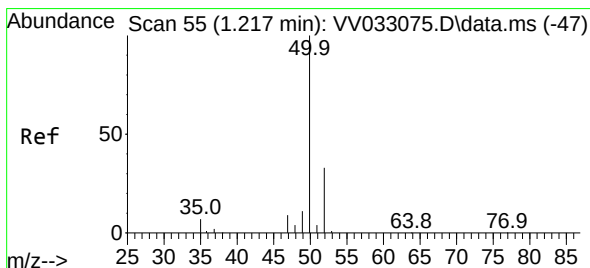
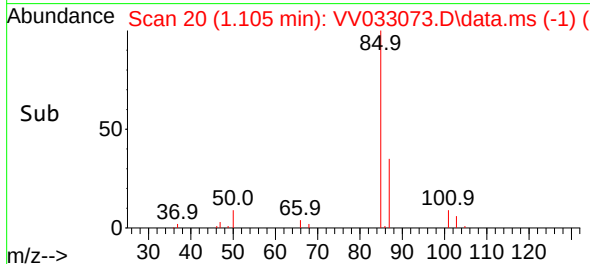
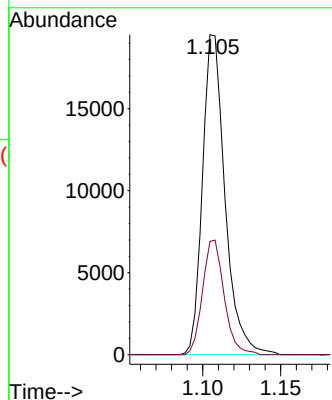
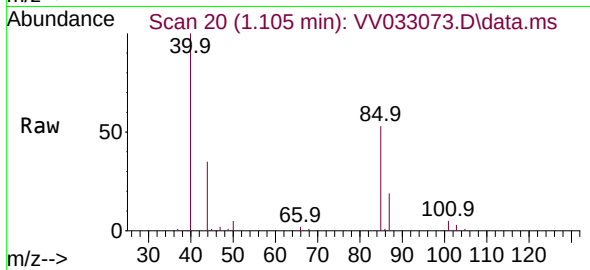




#2
 Dichlorodifluoromethane
 Concen: 5.106 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38

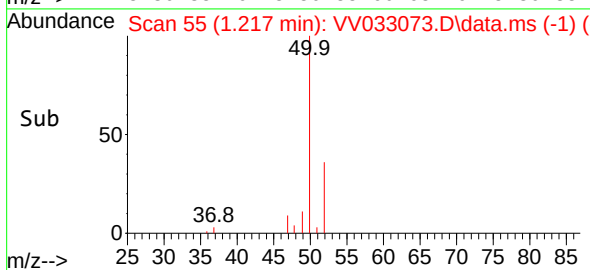
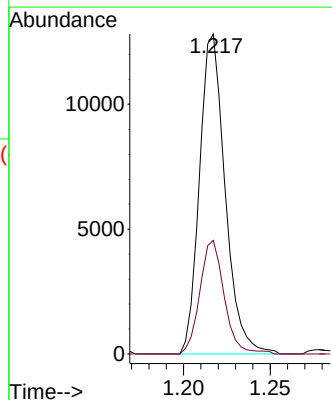
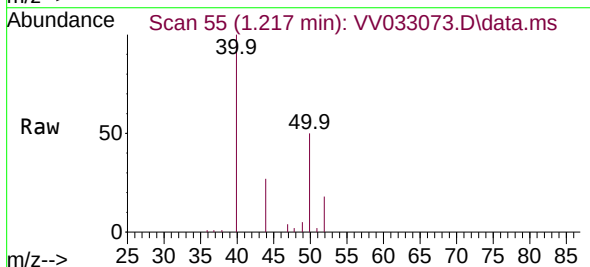
Instrument :
 MSVOA_V
 ClientSampleId :

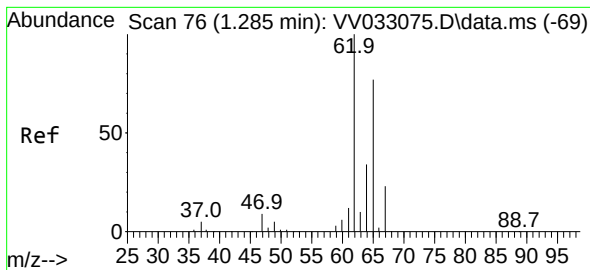
Tgt Ion: 85 Resp: 19625
 Ion Ratio Lower Upper
 85 100
 87 34.3 26.0 39.0



#3
 Chloromethane
 Concen: 5.199 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38

Tgt Ion: 50 Resp: 13181
 Ion Ratio Lower Upper
 50 100
 52 35.5 22.8 42.4

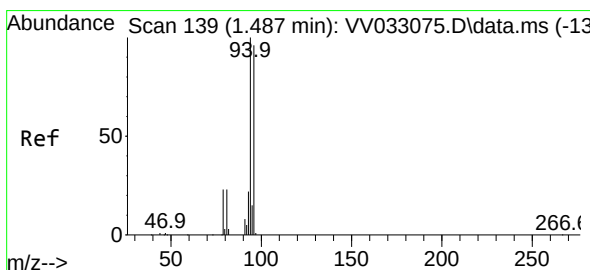
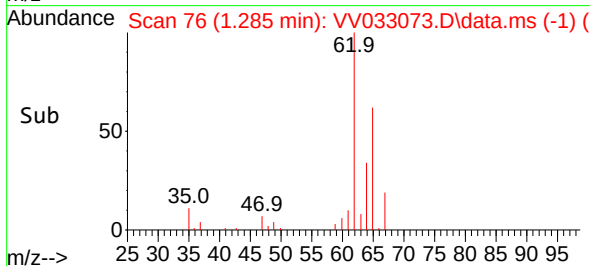
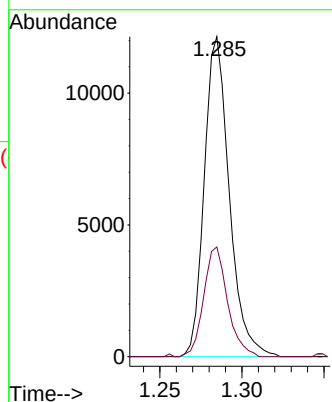
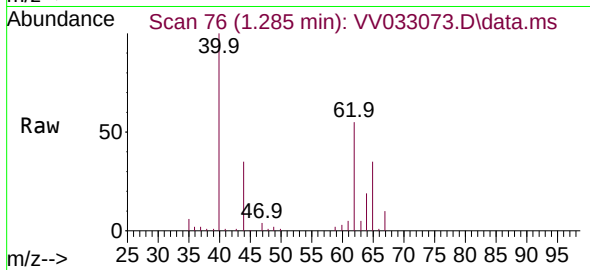




#5
 Vinyl chloride
 Concen: 5.282 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38

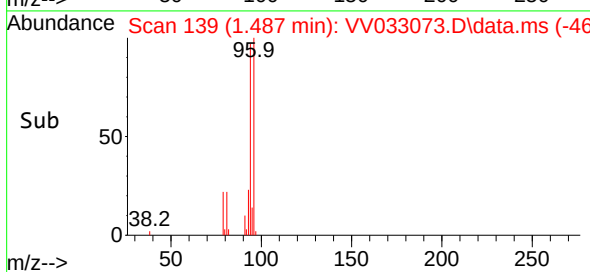
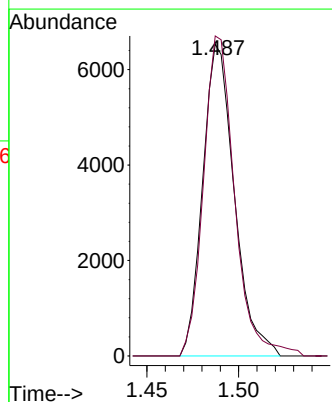
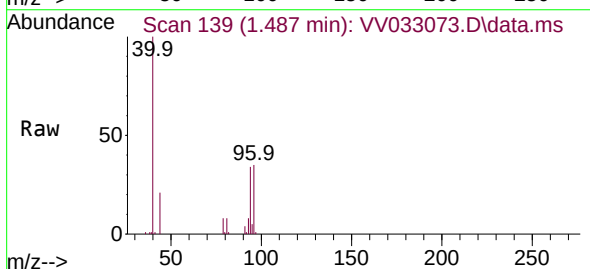
Instrument :
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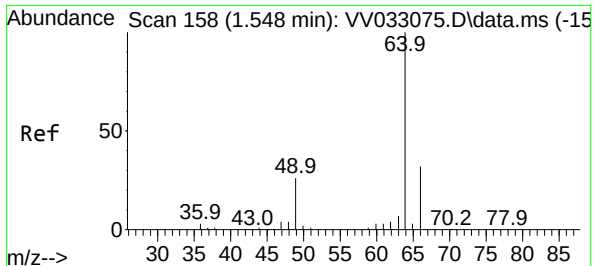
Tgt Ion: 62 Resp: 12843
 Ion Ratio Lower Upper
 62 100
 64 34.3 24.2 45.0



#6
 Bromomethane
 Concen: 4.938 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38

Tgt Ion: 94 Resp: 7834
 Ion Ratio Lower Upper
 94 100
 96 102.7 67.1 124.7





#8

Chloroethane

Concen: 5.348 ug/L

RT: 1.552 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

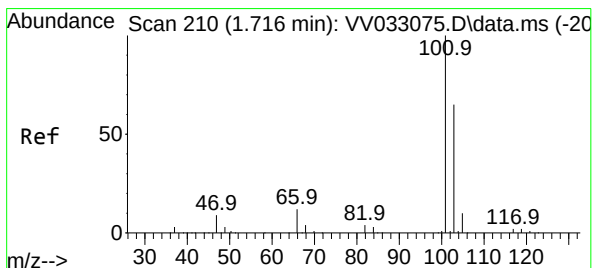
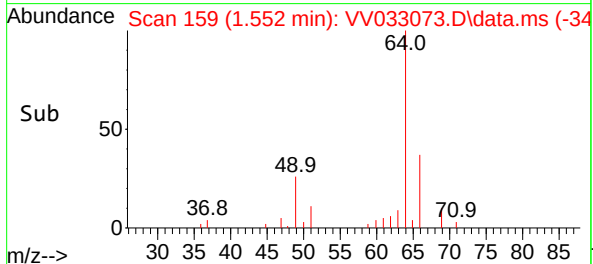
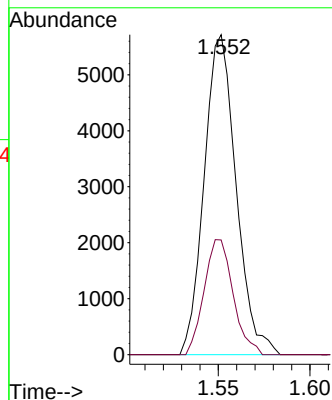
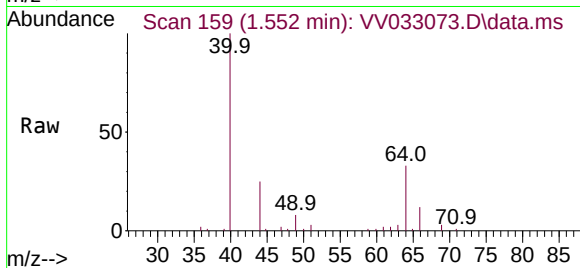
ClientSampleId :

Tgt Ion: 64 Resp: 6923

Ion Ratio Lower Upper

64 100

66 35.8 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.049 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.000 min

Lab File: VV033073.D

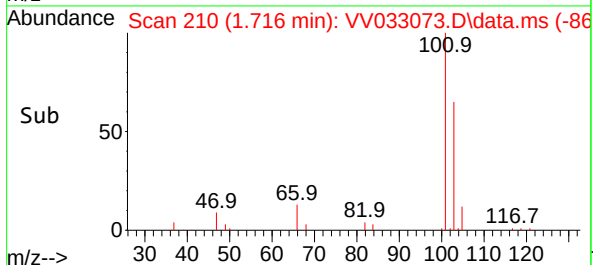
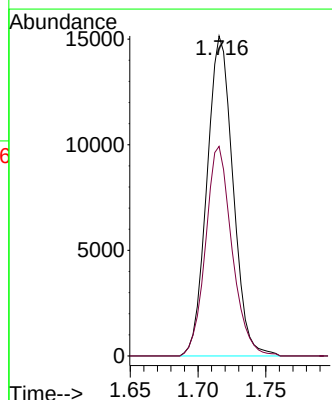
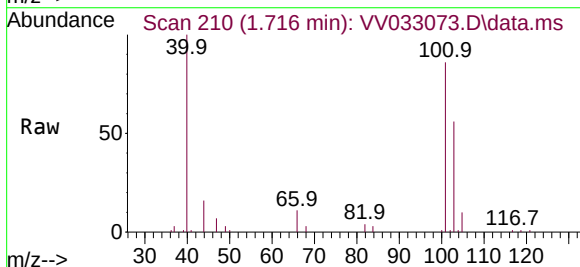
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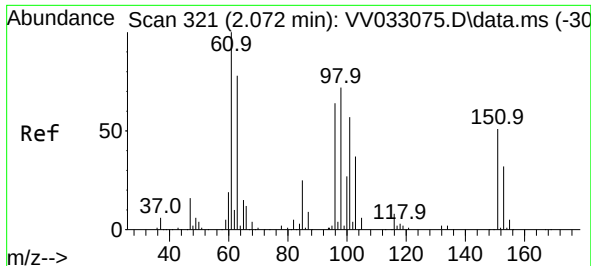
Tgt Ion:101 Resp: 20255

Ion Ratio Lower Upper

101 100

103 66.5 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.931 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

ClientSampleId :

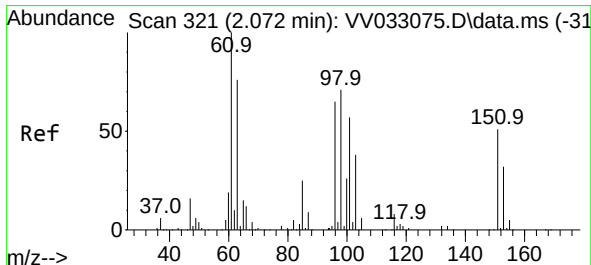
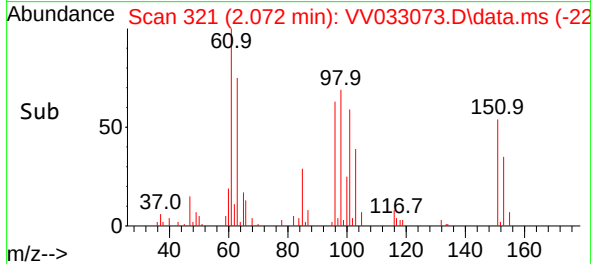
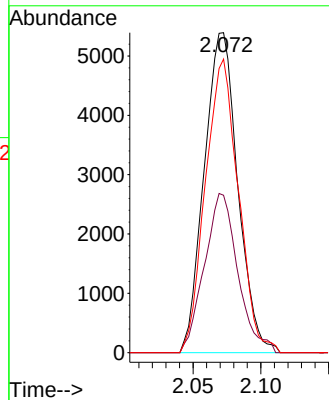
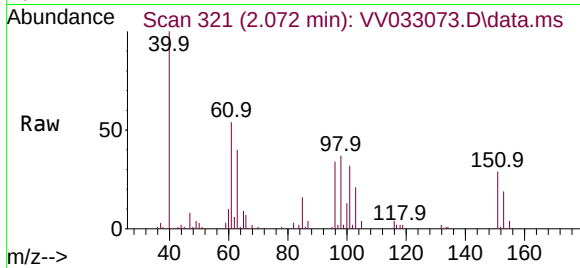
Tgt Ion:101 Resp: 9290

Ion Ratio Lower Upper

101 100

85 49.5 36.0 54.0

151 90.1 69.1 103.7



#12

1,1-Dichloroethene

Concen: 4.871 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

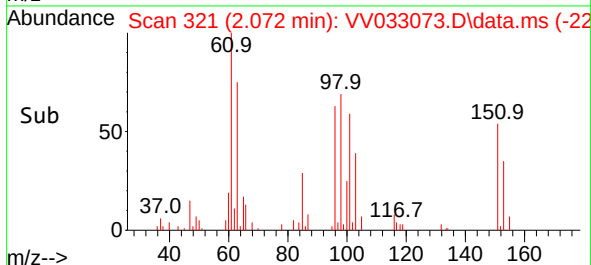
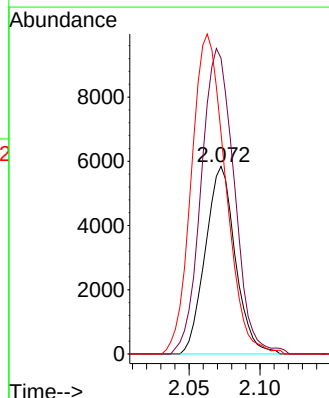
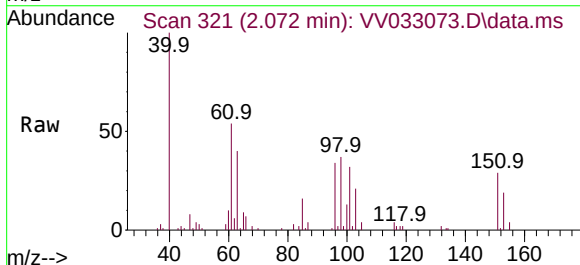
Tgt Ion: 96 Resp: 8587

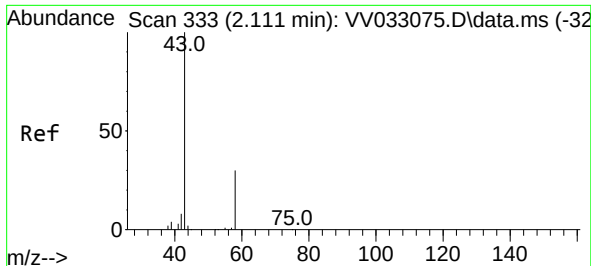
Ion Ratio Lower Upper

96 100

61 157.8 109.1 202.7

63 118.0 85.3 158.3





#13

Acetone

Concen: 11.359 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

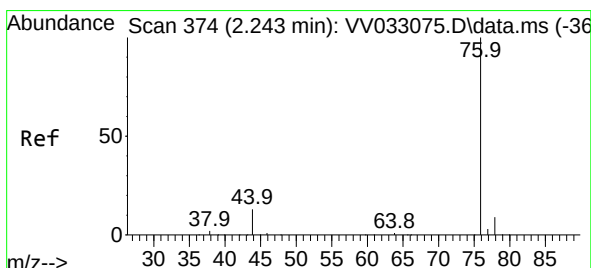
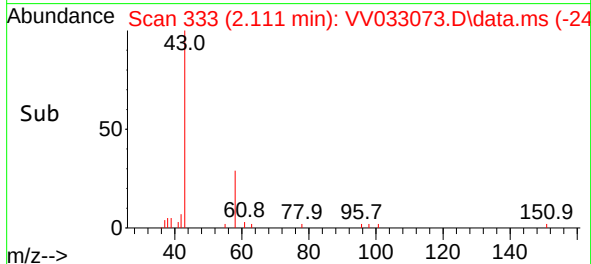
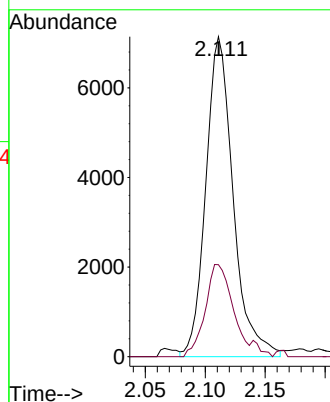
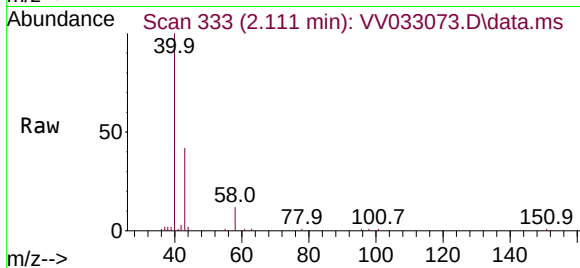
ClientSampleId :

Tgt Ion: 43 Resp: 11322

Ion Ratio Lower Upper

43 100

58 28.8 0.0 62.8



#14

Carbon disulfide

Concen: 5.153 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033073.D

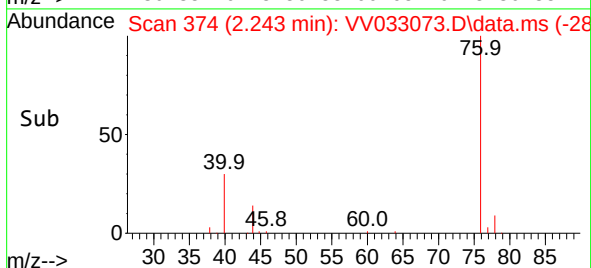
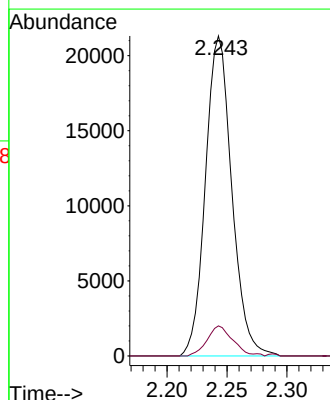
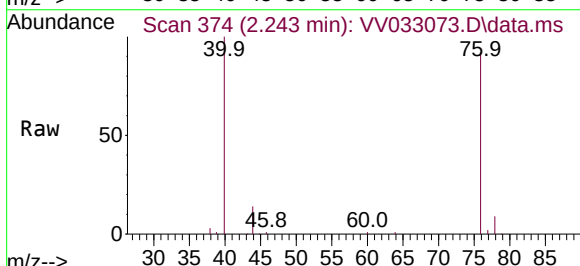
Acq: 01 Dec 2023 12:38

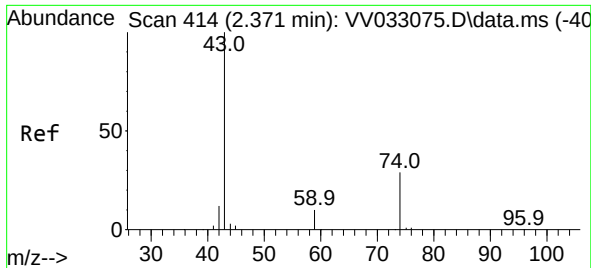
Tgt Ion: 76 Resp: 32595

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

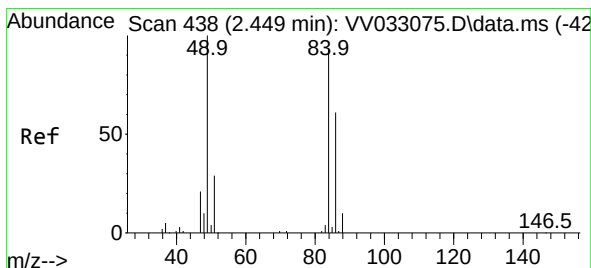
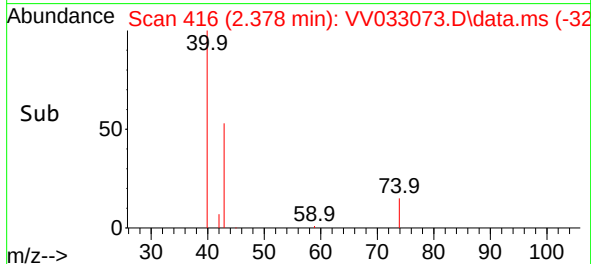
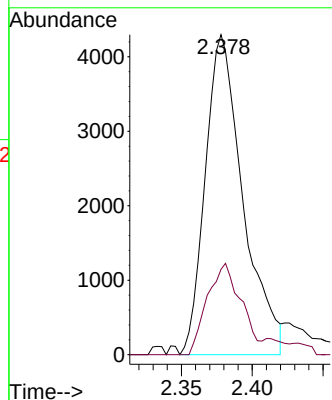
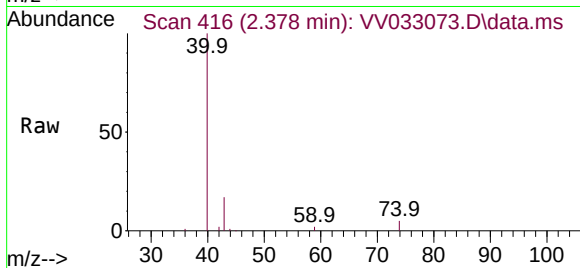




#15
Methyl Acetate
Concen: 4.788 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

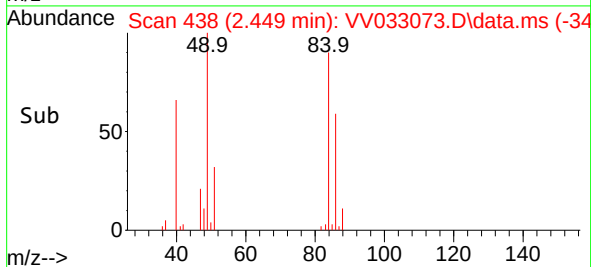
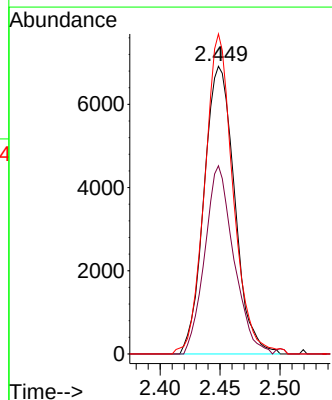
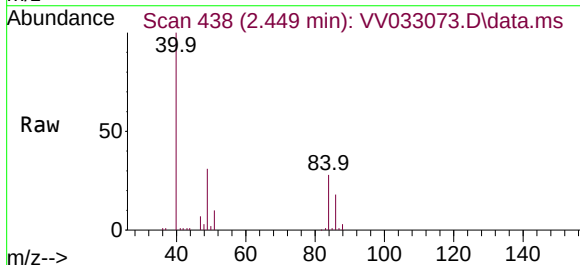
Instrument :
MSVOA_V
ClientSampleId :

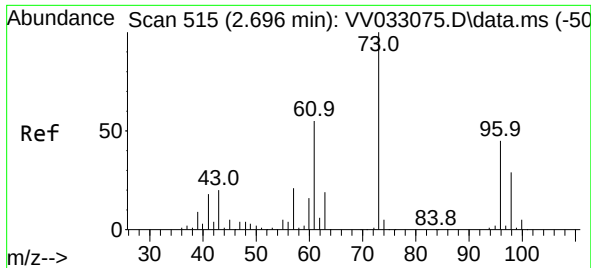
Tgt Ion: 43 Resp: 7954
Ion Ratio Lower Upper
43 100
74 25.9 22.6 33.8



#16
Methylene chloride
Concen: 5.249 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

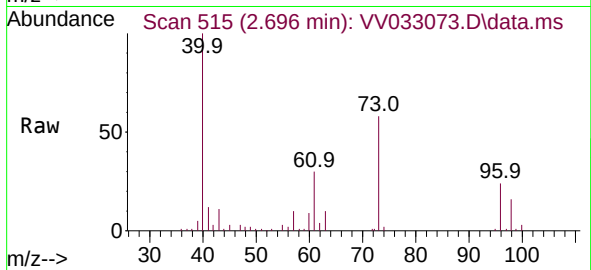
Tgt Ion: 84 Resp: 12254
Ion Ratio Lower Upper
84 100
86 65.4 45.9 85.3
49 111.2 75.5 140.1



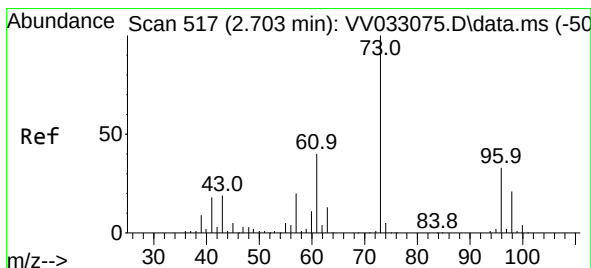
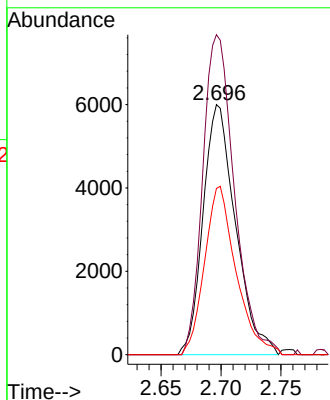
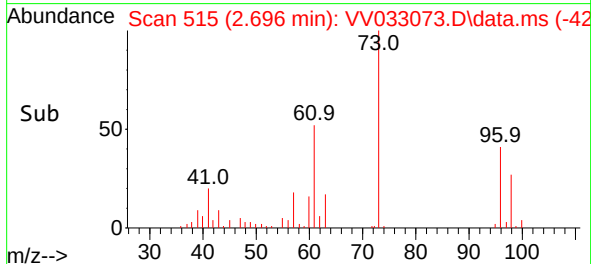


#17
 trans-1,2-Dichloroethene
 Concen: 4.884 ug/L
 RT: 2.696 min Scan# 515
 Delta R.T. 0.000 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38

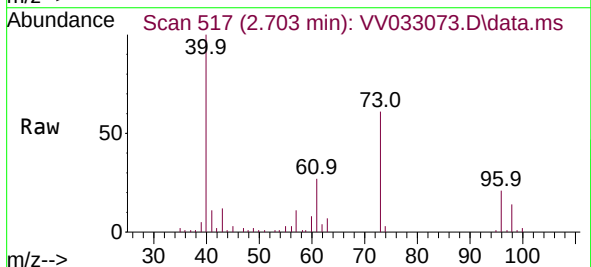
Instrument :
 MSVOA_V
 ClientSampleId :



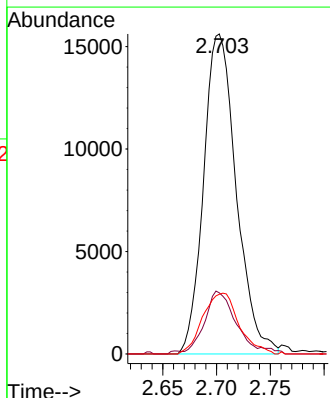
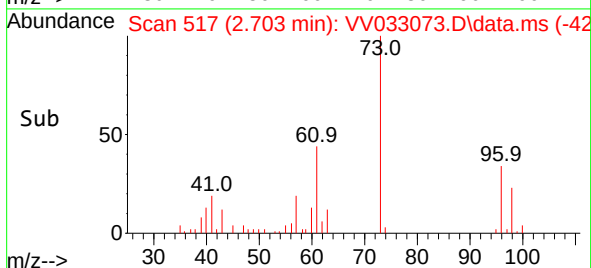
Tgt Ion: 96 Resp: 11305
 Ion Ratio Lower Upper
 96 100
 61 128.0 86.5 160.6
 98 66.5 45.1 83.7

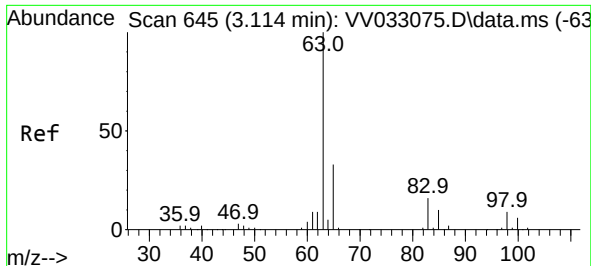


#18
 Methyl tert-butyl Ether
 Concen: 4.701 ug/L
 RT: 2.703 min Scan# 517
 Delta R.T. 0.000 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38



Tgt Ion: 73 Resp: 33057
 Ion Ratio Lower Upper
 73 100
 43 16.9 15.4 23.2
 57 21.0 16.1 24.1

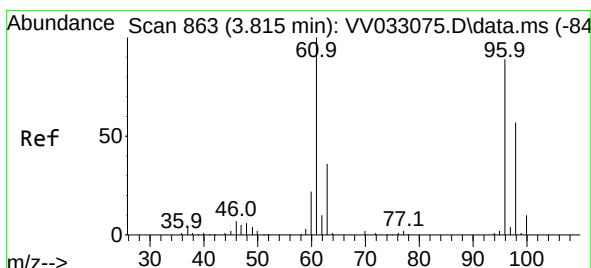
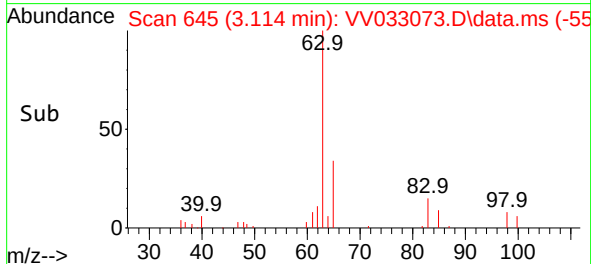
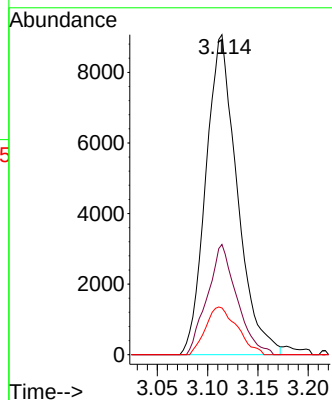
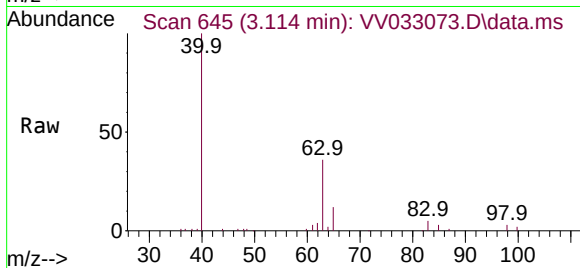




#19
 1,1-Dichloroethane
 Concen: 5.113 ug/L
 RT: 3.114 min Scan# 645
 Delta R.T. 0.000 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38

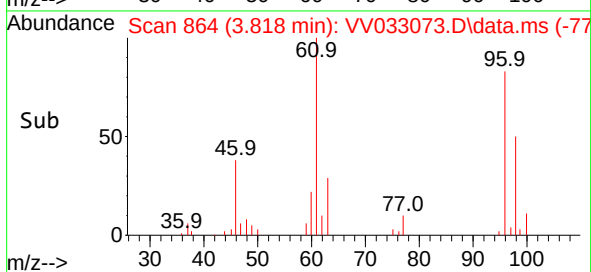
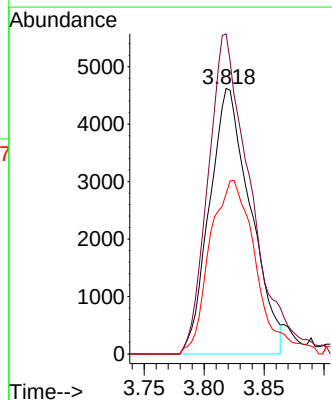
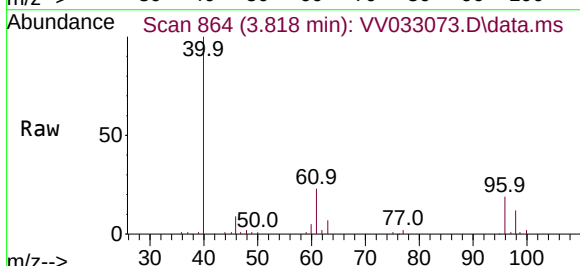
Instrument :
 MSVOA_V
 ClientSampleId :

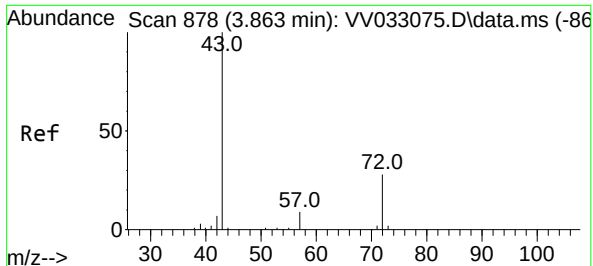
Tgt Ion:	63	Resp:	19590
Ion	Ratio	Lower	Upper
63	100		
65	34.5	23.0	42.6
83	14.6	11.4	21.2



#20
 cis-1,2-Dichloroethene
 Concen: 4.475 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.003 min
 Lab File: VV033073.D
 Acq: 01 Dec 2023 12:38

Tgt Ion:	96	Resp:	10991
Ion	Ratio	Lower	Upper
96	100		
61	120.5	79.1	146.9
98	64.2	45.1	83.7

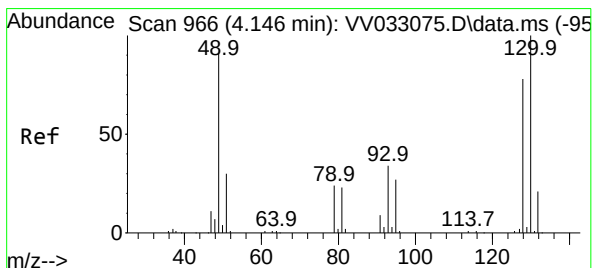
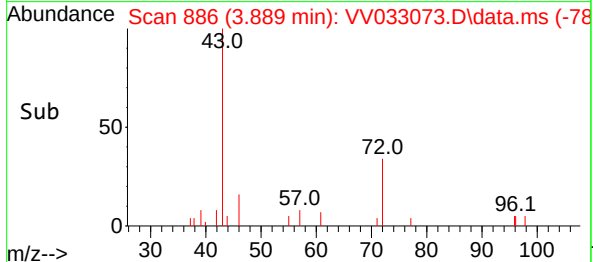
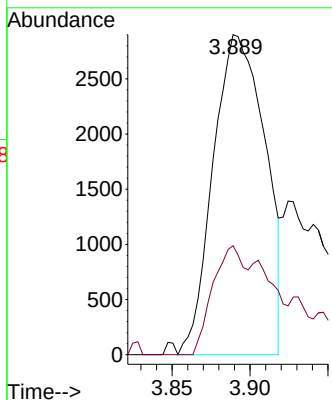
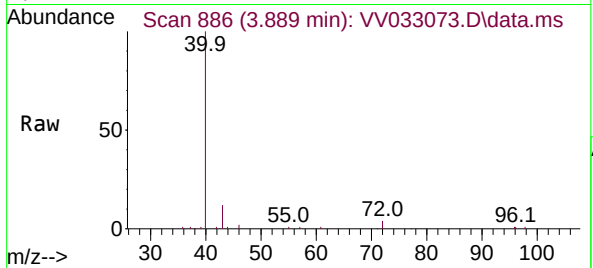




#22
2-Butanone
Concen: 5.487 ug/L
RT: 3.889 min Scan# 81
Delta R.T. 0.026 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

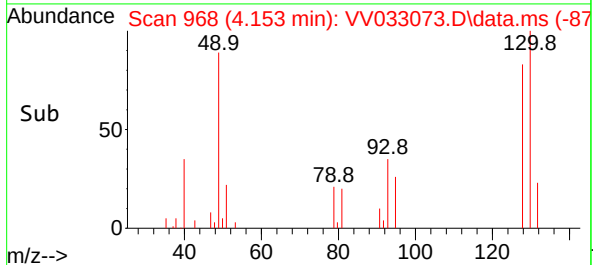
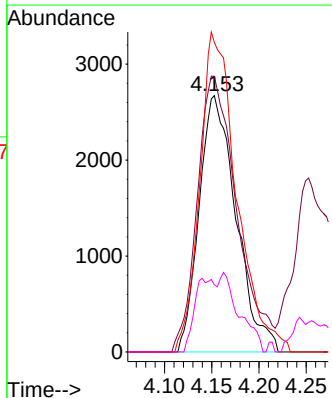
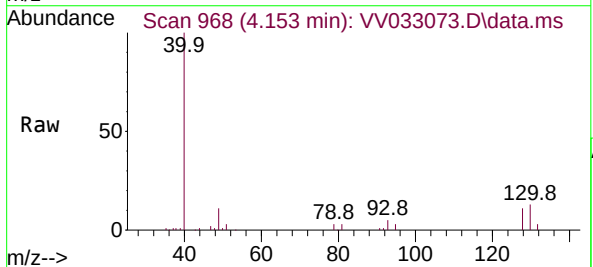
Instrument :
MSVOA_V
ClientSampleId :

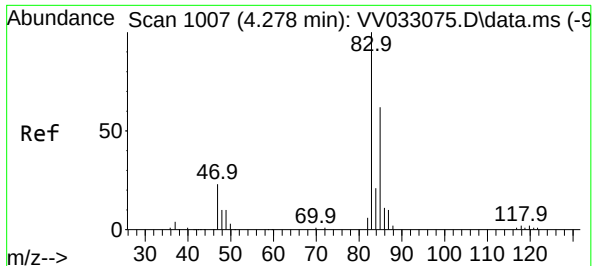
Tgt Ion: 43 Resp: 6702
Ion Ratio Lower Upper
43 100
72 21.6 14.6 43.8



#23
Bromochloromethane
Concen: 5.178 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.006 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Tgt Ion: 128 Resp: 7264
Ion Ratio Lower Upper
128 100
49 107.5 81.7 151.7
130 120.7 90.1 167.3
51 26.2 30.5 45.7#





#25

Chloroform

Concen: 4.807 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

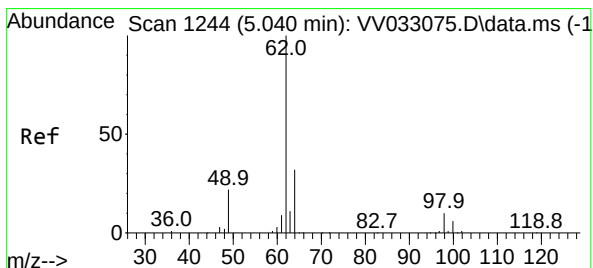
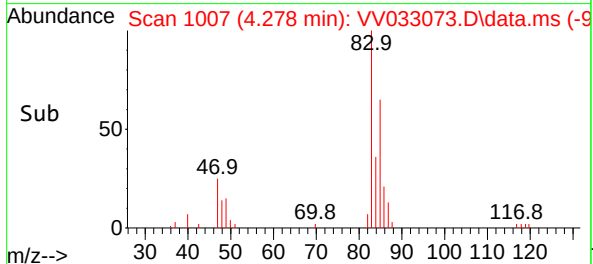
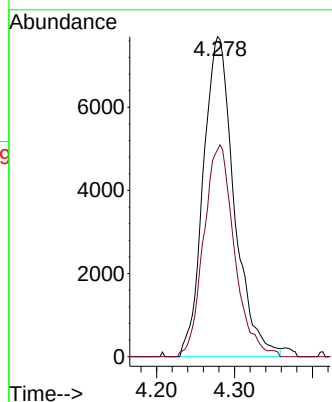
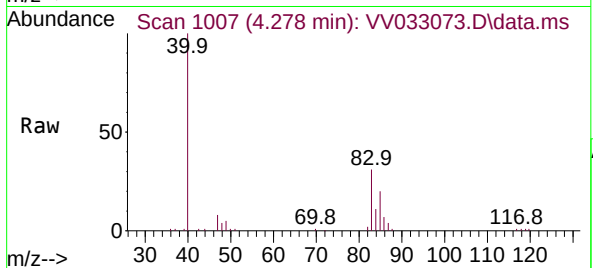
ClientSampleId :

Tgt Ion: 83 Resp: 21179

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.7



#27

1,2-Dichloroethane

Concen: 5.030 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.006 min

Lab File: VV033073.D

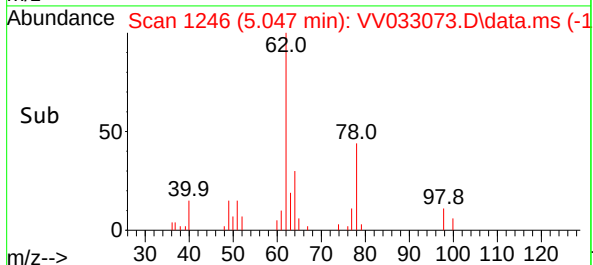
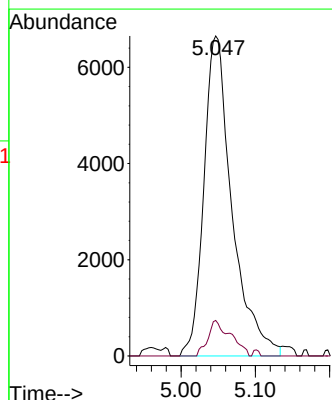
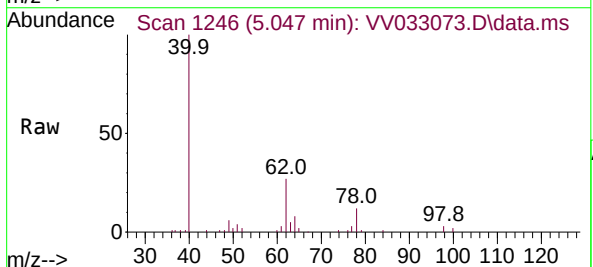
Acq: 01 Dec 2023 12:38

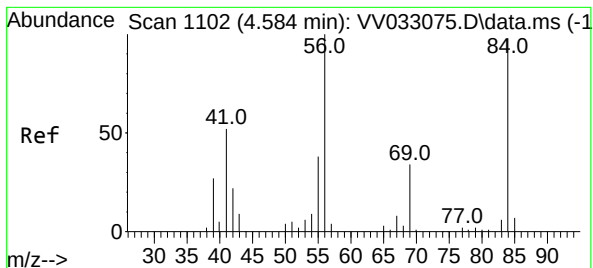
Tgt Ion: 62 Resp: 17514

Ion Ratio Lower Upper

62 100

98 11.1 7.8 11.8





#29

Cyclohexane

Concen: 4.915 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

ClientSampleId :

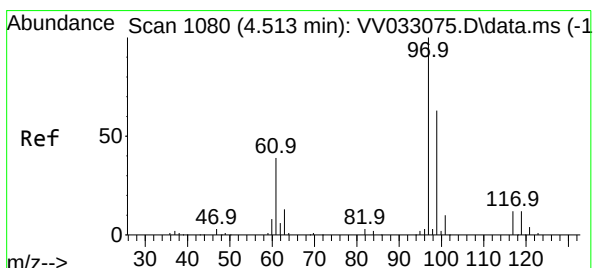
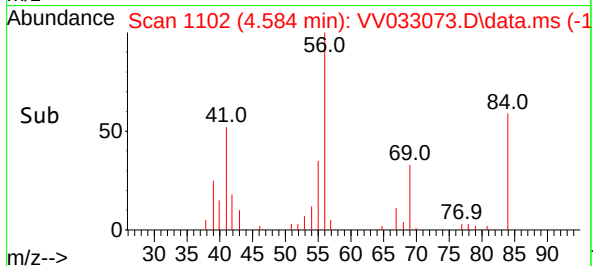
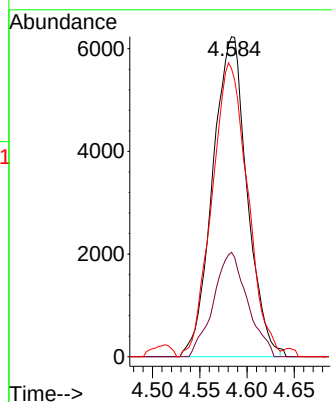
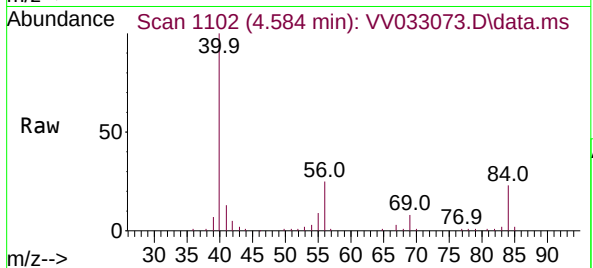
Tgt Ion: 56 Resp: 15741

Ion Ratio Lower Upper

56 100

69 32.3 26.9 40.3

84 95.3 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 4.946 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

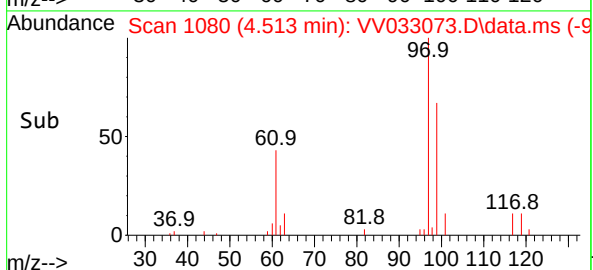
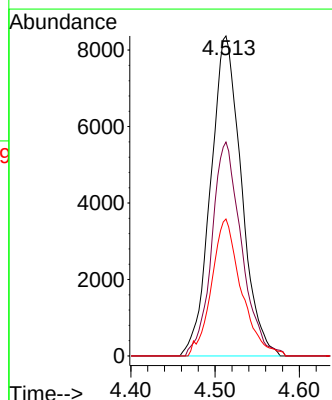
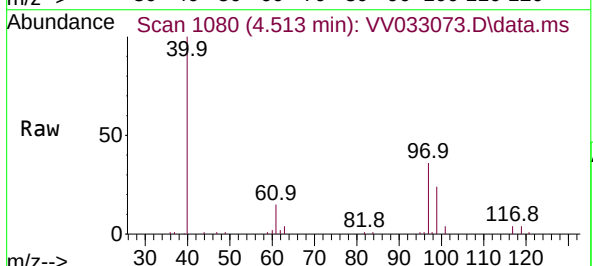
Tgt Ion: 97 Resp: 21195

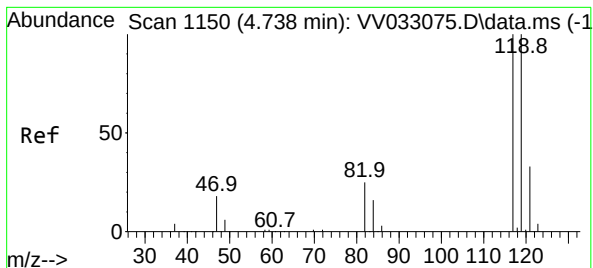
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 40.6 31.8 47.8





#31

Carbon tetrachloride

Concen: 4.793 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

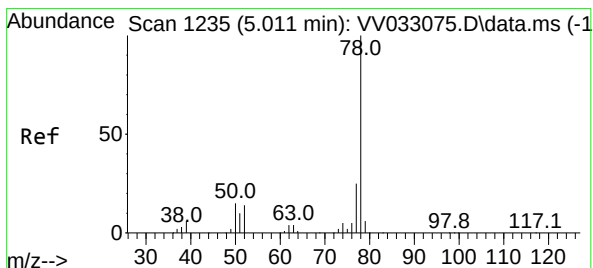
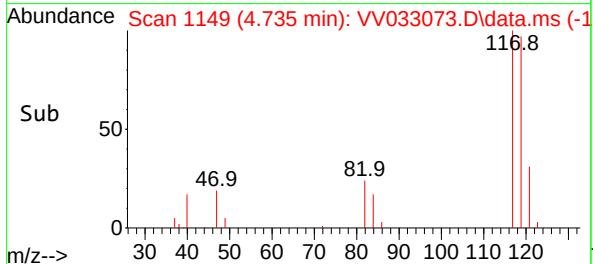
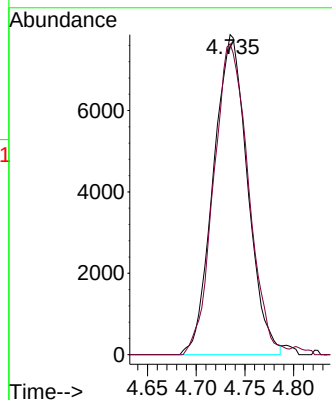
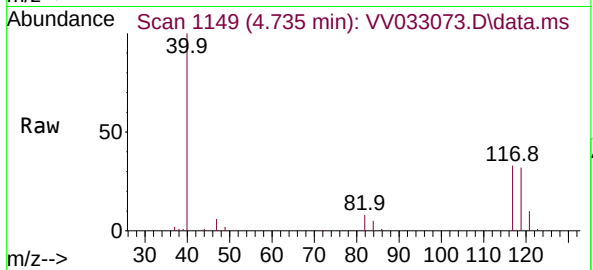
ClientSampleId :

Tgt Ion:117 Resp: 19100

Ion Ratio Lower Upper

117 100

119 99.4 77.5 116.3



#33

Benzene

Concen: 4.692 ug/L

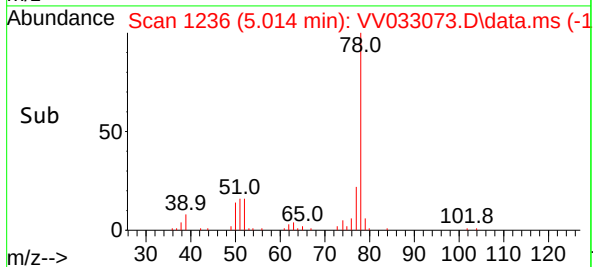
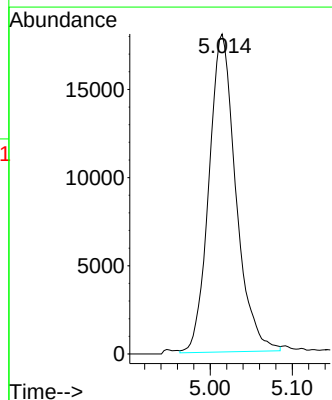
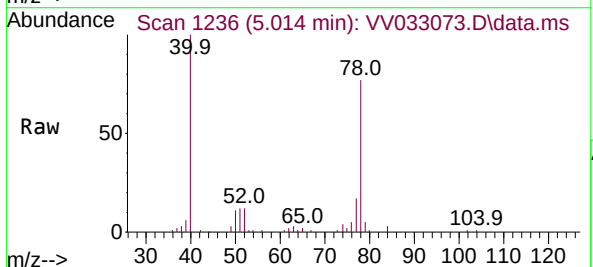
RT: 5.014 min Scan# 1236

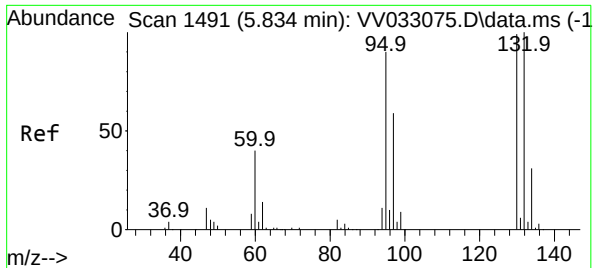
Delta R.T. 0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Tgt Ion: 78 Resp: 41233

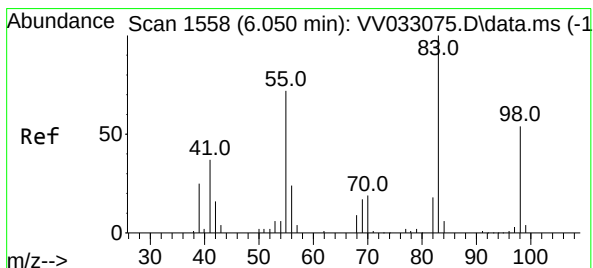
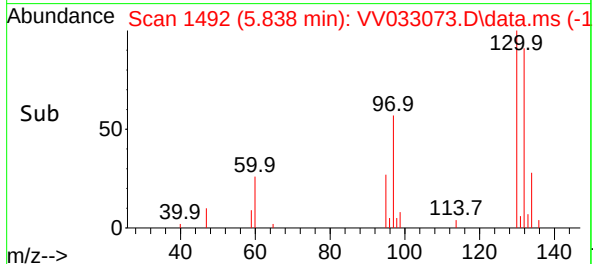
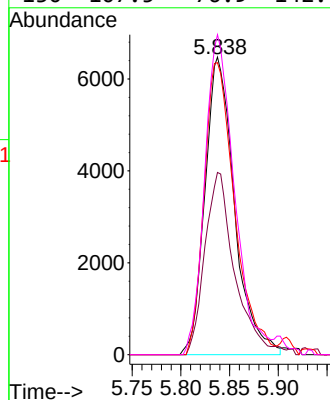
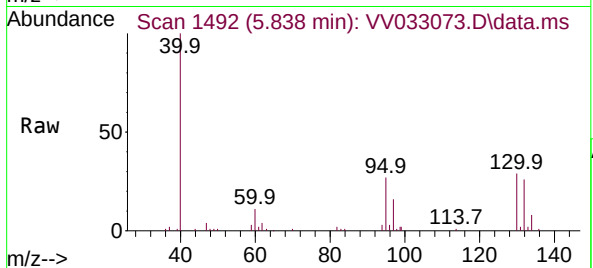




#34
Trichloroethene
Concen: 5.195 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

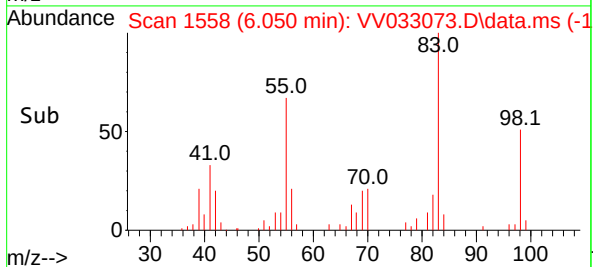
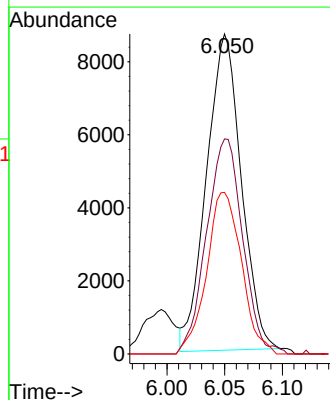
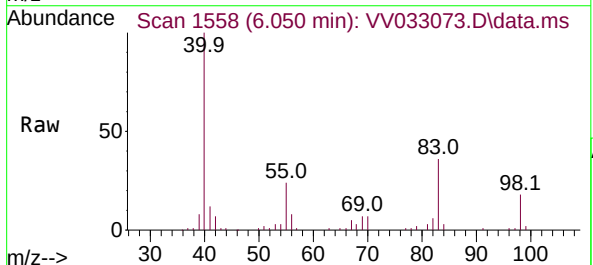
Instrument :
MSVOA_V
ClientSampleId :

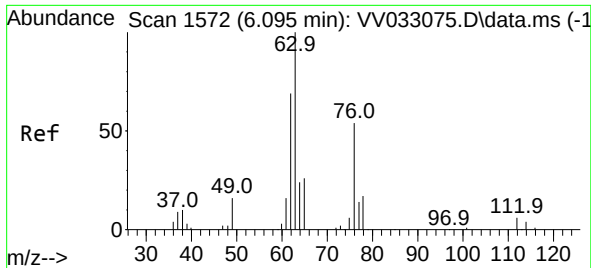
Tgt Ion:	95	Resp:	13638
Ion	Ratio	Lower	Upper
95	100		
97	61.2	45.8	85.0
132	98.1	77.4	143.8
130	107.5	76.9	142.7



#35
Methylcyclohexane
Concen: 4.758 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Tgt Ion:	83	Resp:	18130
Ion	Ratio	Lower	Upper
83	100		
55	70.0	54.8	82.2
98	51.3	41.4	62.0





#37

1,2-Dichloropropane

Concen: 4.541 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

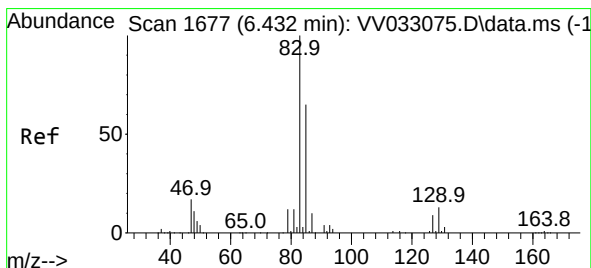
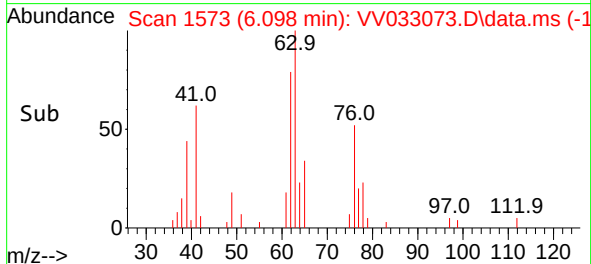
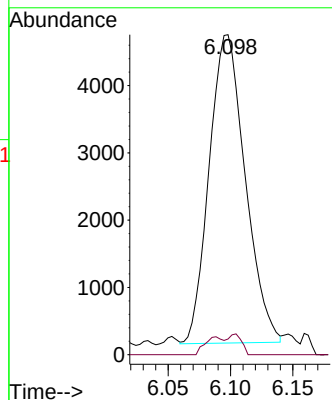
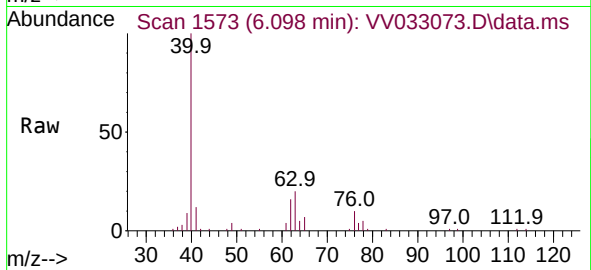
ClientSampleId :

Tgt Ion: 63 Resp: 9236

Ion Ratio Lower Upper

63 100

112 2.5 4.6 6.8#



#38

Bromodichloromethane

Concen: 4.772 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

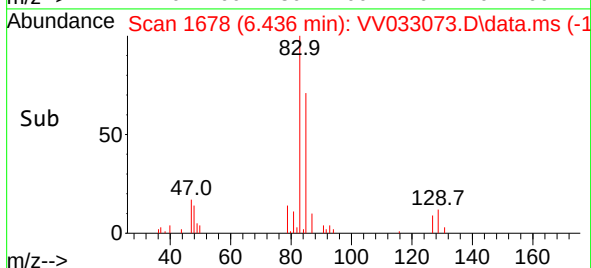
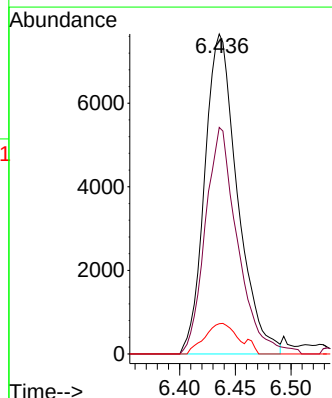
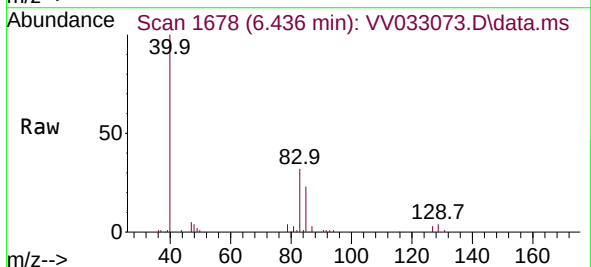
Tgt Ion: 83 Resp: 15647

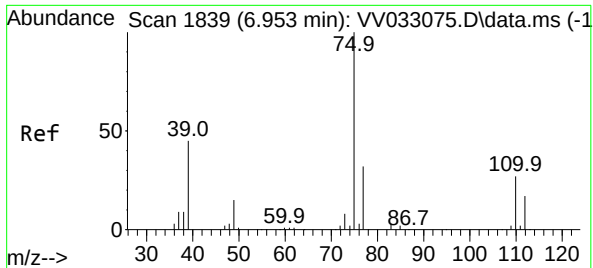
Ion Ratio Lower Upper

83 100

85 70.8 45.6 84.6

127 9.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 4.631 ug/L

RT: 6.960 min Scan# 1839

Delta R.T. 0.006 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

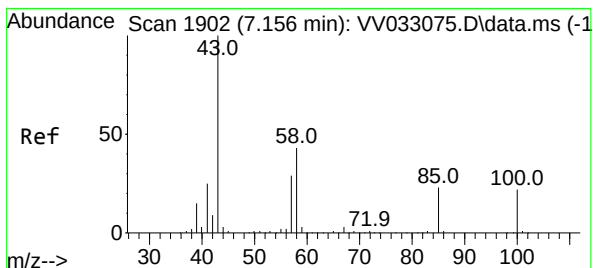
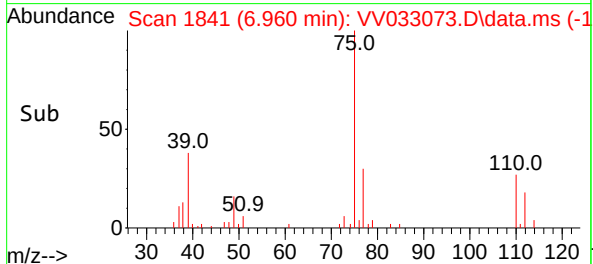
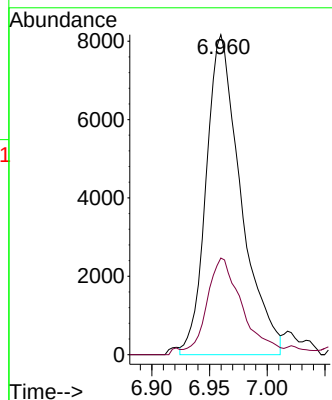
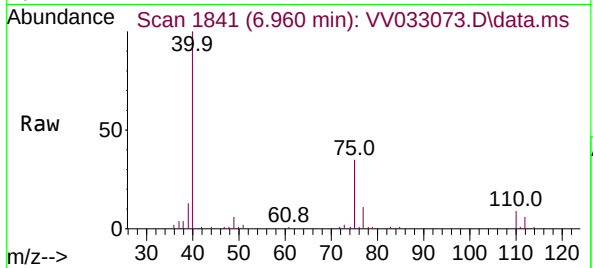
ClientSampleId :

Tgt Ion: 75 Resp: 17088

Ion Ratio Lower Upper

75 100

77 30.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 8.350 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

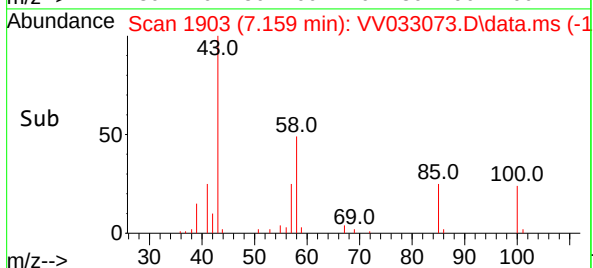
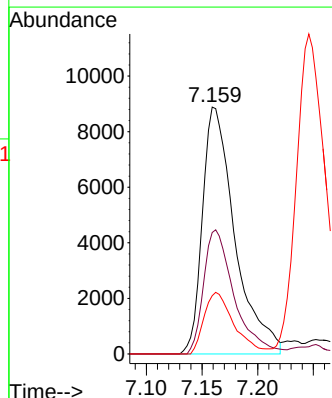
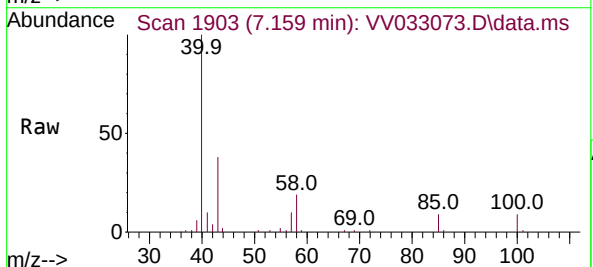
Tgt Ion: 43 Resp: 18031

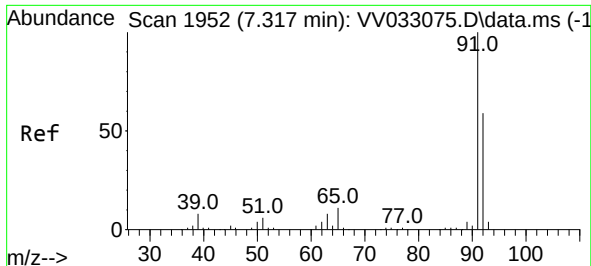
Ion Ratio Lower Upper

43 100

58 47.4 34.5 51.7

100 23.1 17.0 25.6





#42

Toluene

Concen: 4.620 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

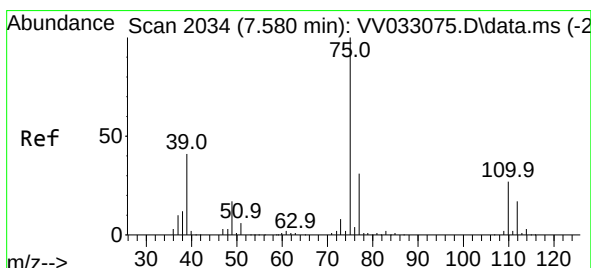
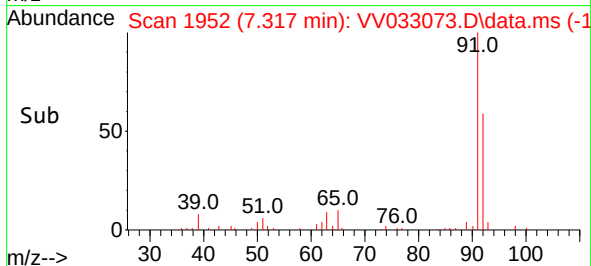
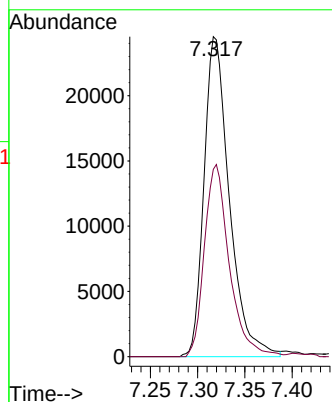
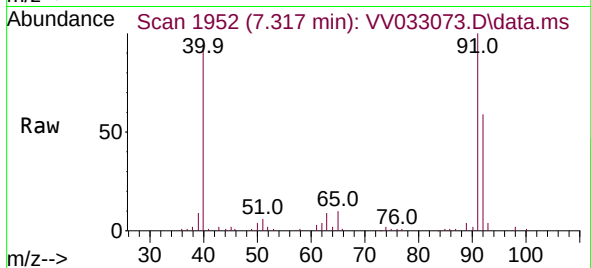
ClientSampleId :

Tgt Ion: 91 Resp: 45751

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.298 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.006 min

Lab File: VV033073.D

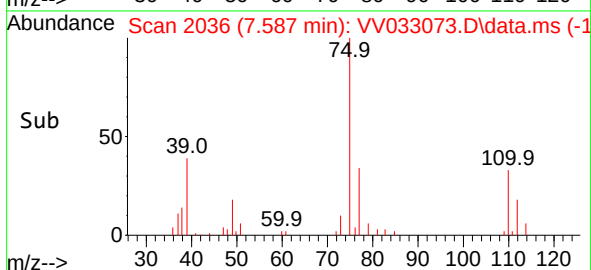
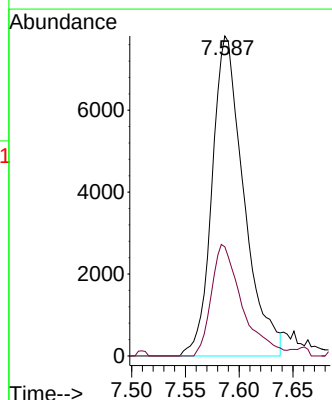
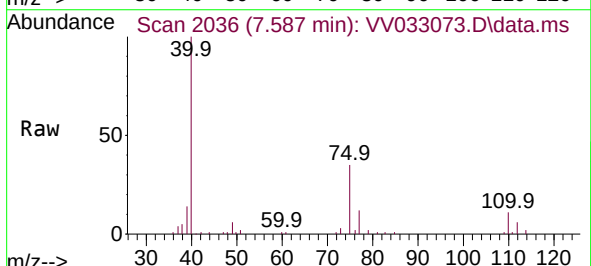
Acq: 01 Dec 2023 12:38

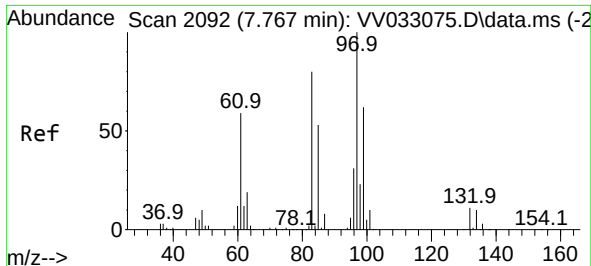
Tgt Ion: 75 Resp: 16040

Ion Ratio Lower Upper

75 100

77 34.1 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 4.951 ug/L

RT: 7.773 min Scan# 2092

Delta R.T. 0.006 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 11674

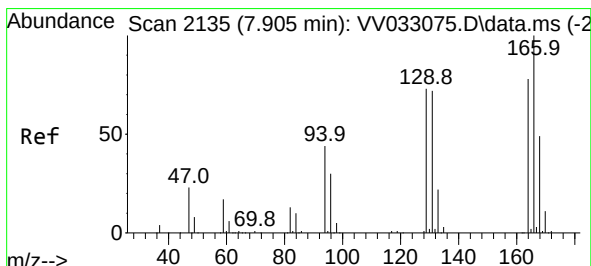
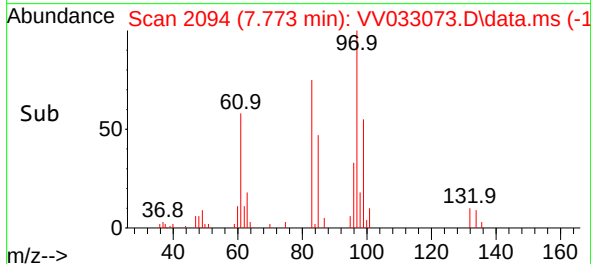
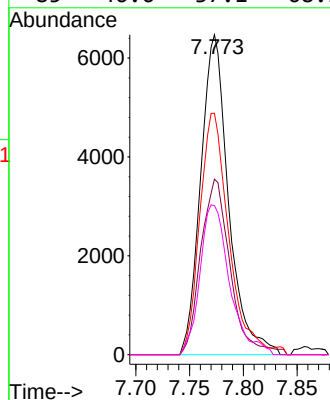
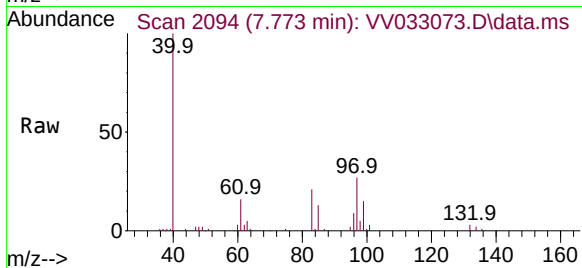
Ion Ratio Lower Upper

97 100

99 54.9 43.2 80.2

83 75.5 55.8 103.6

85 46.6 37.1 68.9



#46

Tetrachloroethene

Concen: 4.894 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Tgt Ion: 164 Resp: 11044

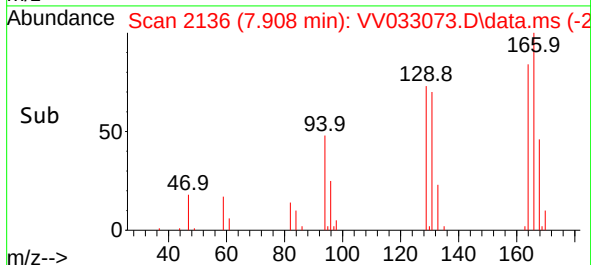
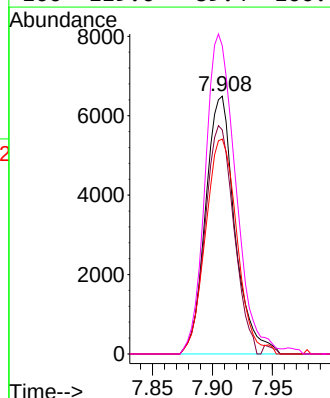
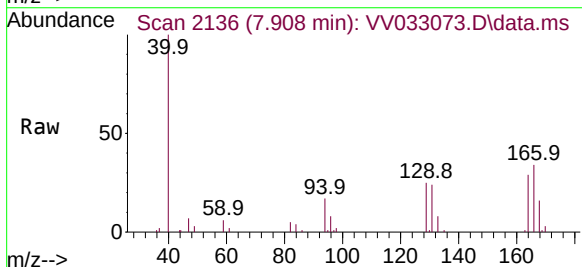
Ion Ratio Lower Upper

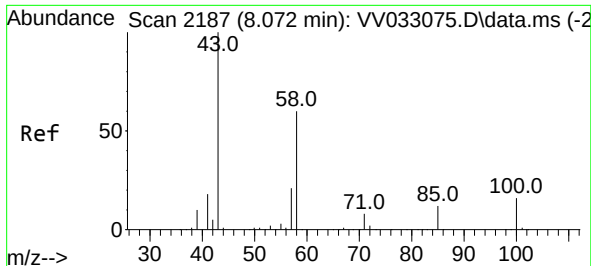
164 100

129 86.9 65.6 121.8

131 83.4 64.7 120.1

166 119.6 89.4 166.0



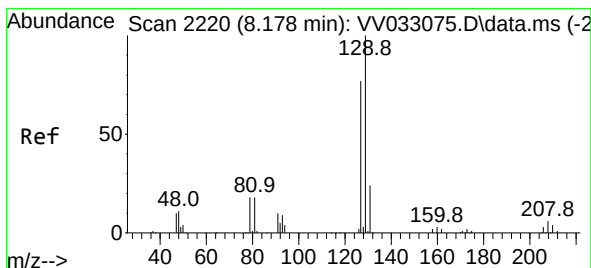
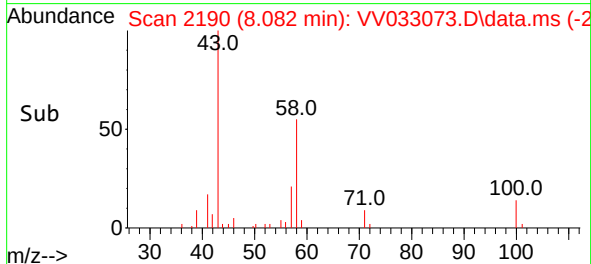
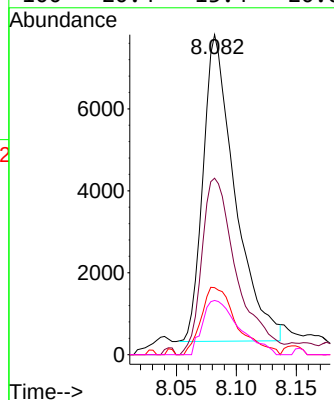
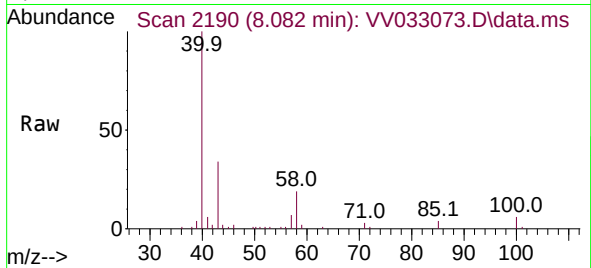


#48
2-Hexanone
Concen: 7.984 ug/L
RT: 8.082 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 13793

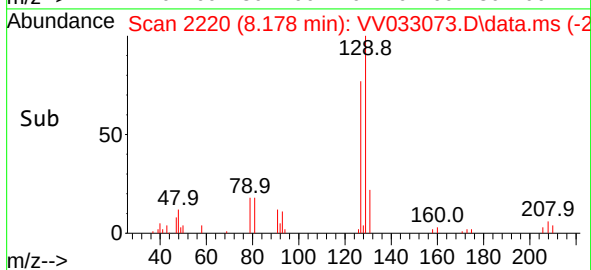
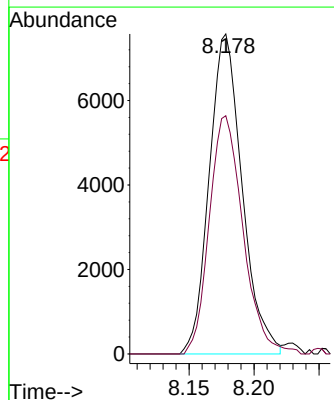
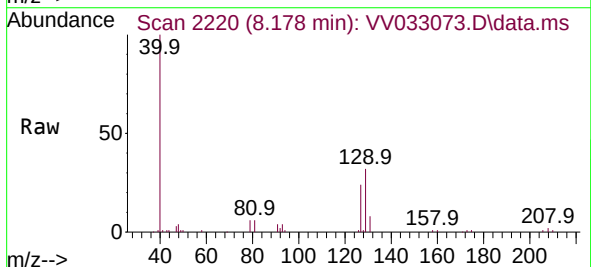
Ion	Ratio	Lower	Upper
43	100		
58	63.7	47.9	71.9
57	24.6	17.4	26.0
100	20.4	13.4	20.0

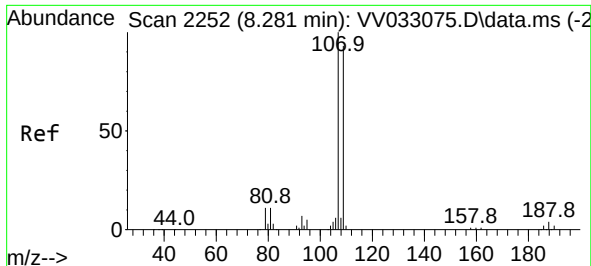


#49
Dibromochloromethane
Concen: 4.741 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Tgt Ion: 129 Resp: 13346

Ion	Ratio	Lower	Upper
129	100		
127	74.4	54.1	100.5





#50

1,2-Dibromoethane

Concen: 4.796 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV033073.D

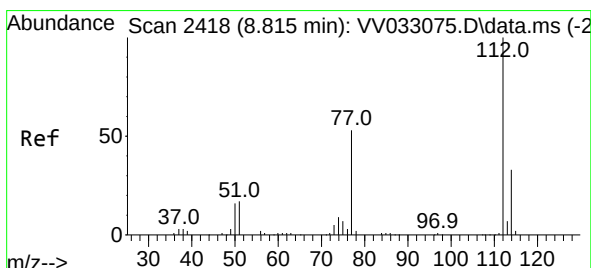
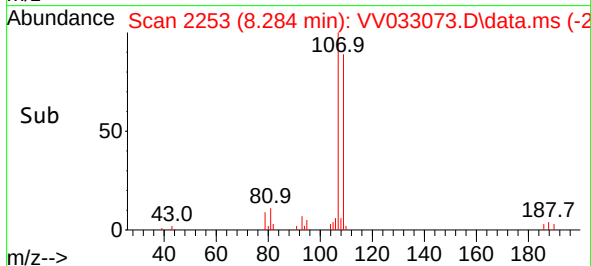
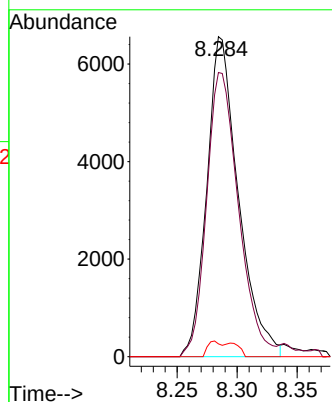
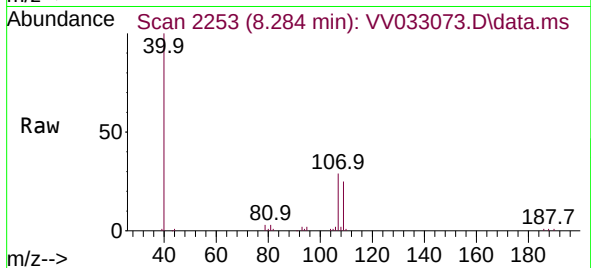
Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	12057
Ion	Ratio	Lower	Upper
107	100		
109	88.8	65.2	121.2
188	4.0	3.8	5.6



#51

Chlorobenzene

Concen: 4.891 ug/L

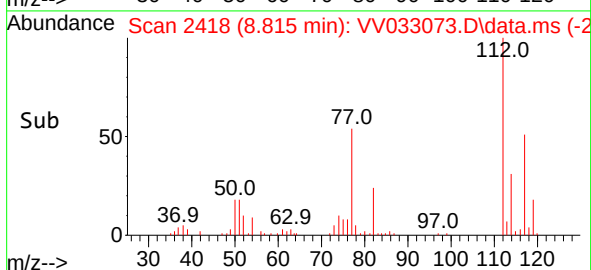
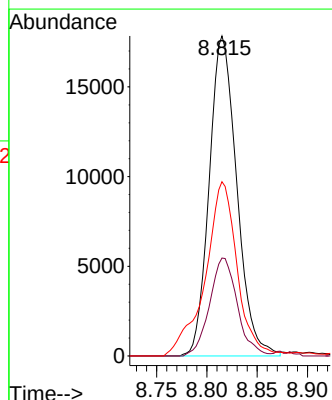
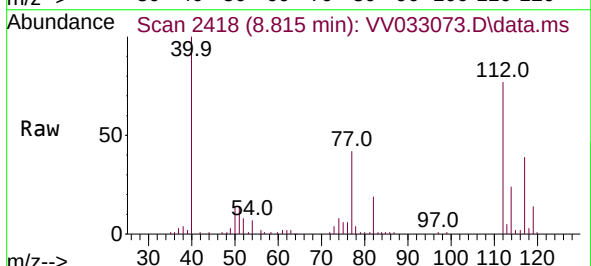
RT: 8.815 min Scan# 2418

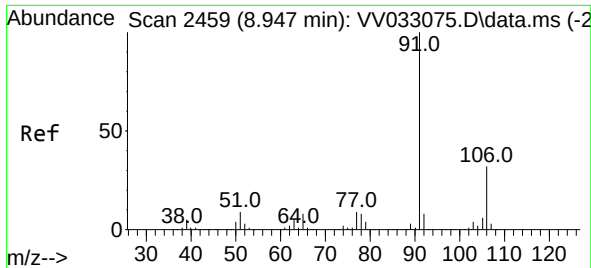
Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Tgt Ion:	112	Resp:	34055
Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.9	42.5
77	54.5	42.6	64.0

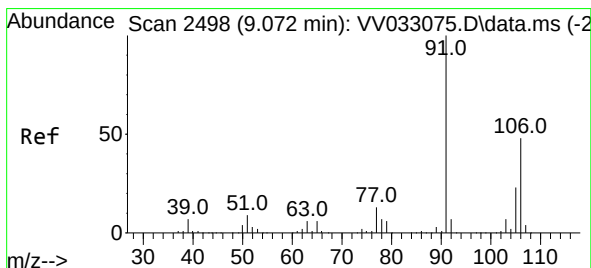
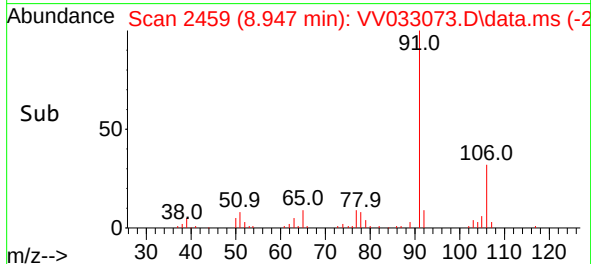
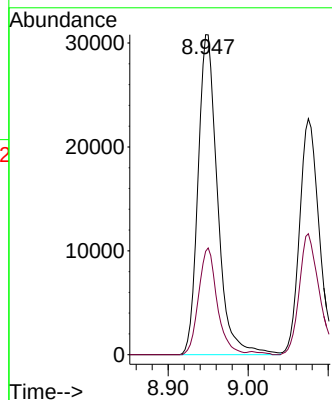
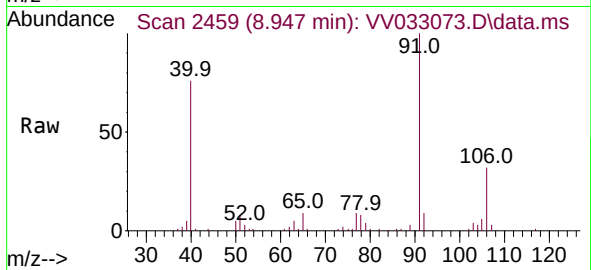




#52
Ethylbenzene
Concen: 4.589 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

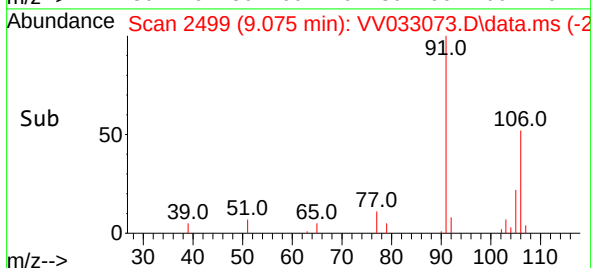
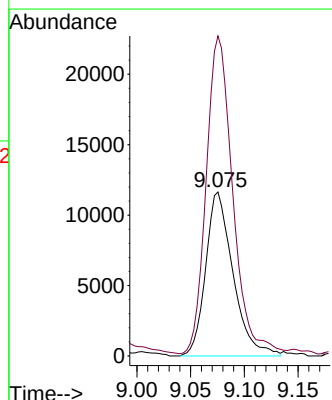
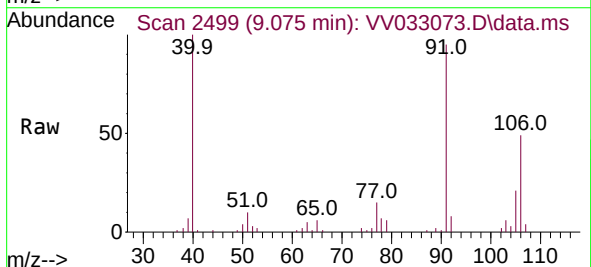
Instrument :
MSVOA_V
ClientSampleId :

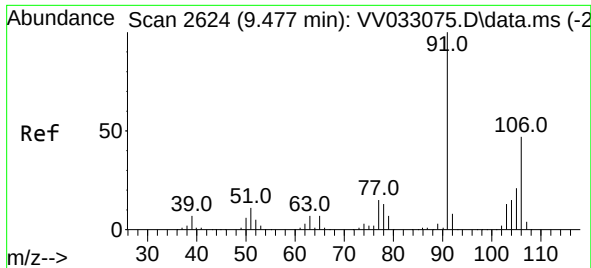
Tgt Ion: 91 Resp: 52306
Ion Ratio Lower Upper
91 100
106 32.3 22.6 42.0



#53
m,p-Xylene
Concen: 4.572 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Tgt Ion: 106 Resp: 20635
Ion Ratio Lower Upper
106 100
91 195.2 145.2 269.6

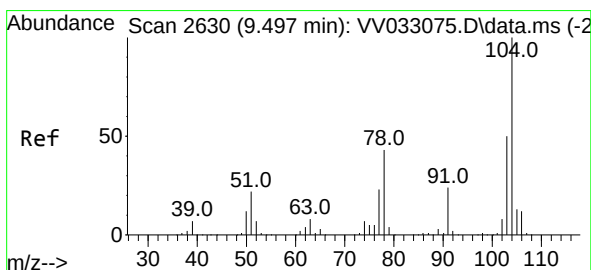
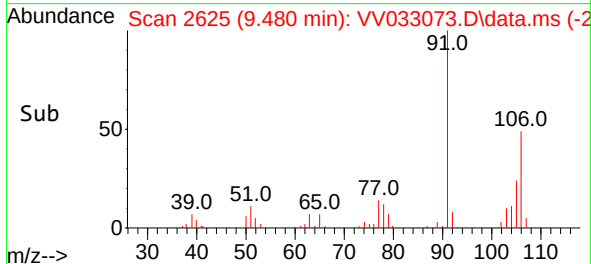
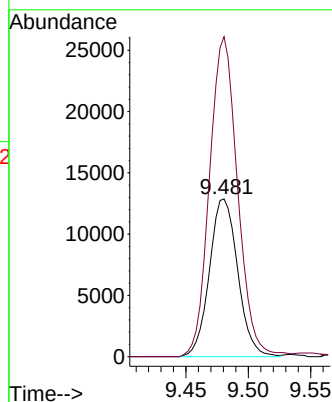
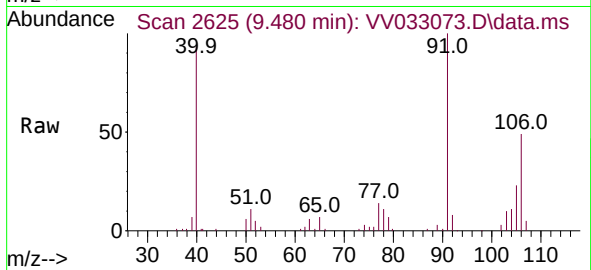




#54
o-Xylene
Concen: 4.580 ug/L
RT: 9.480 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

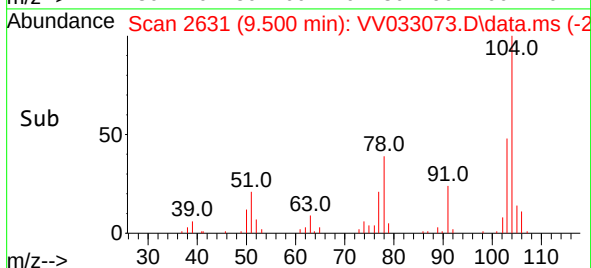
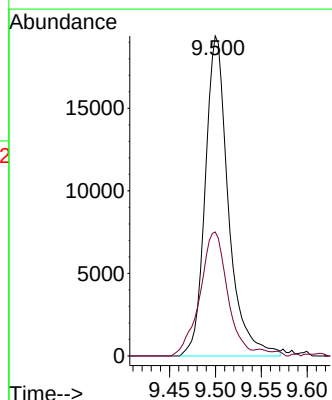
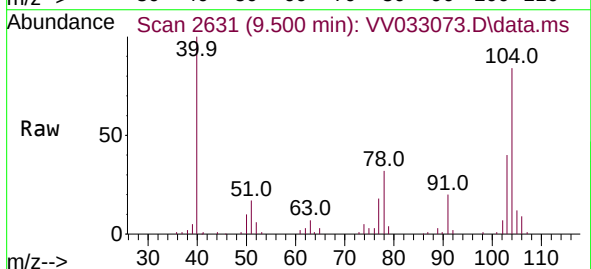
Instrument :
MSVOA_V
ClientSampleId :

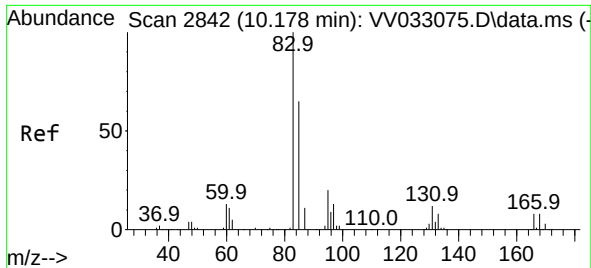
Tgt Ion:106 Resp: 20401
Ion Ratio Lower Upper
106 100
91 202.8 147.8 274.6



#55
Styrene
Concen: 4.426 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Tgt Ion:104 Resp: 34107
Ion Ratio Lower Upper
104 100
78 38.7 30.2 56.0

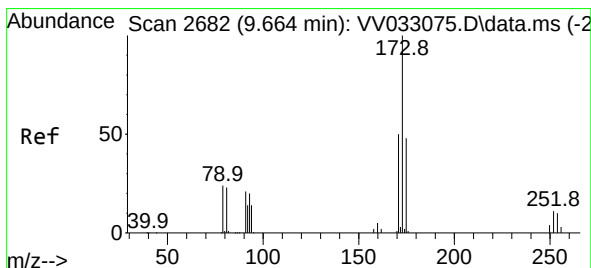
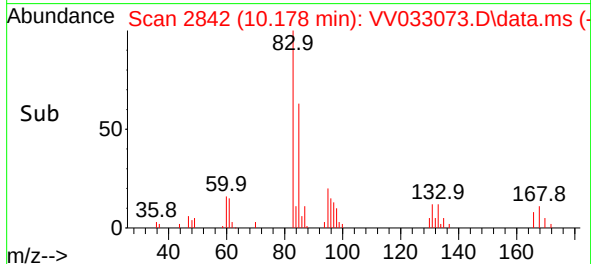
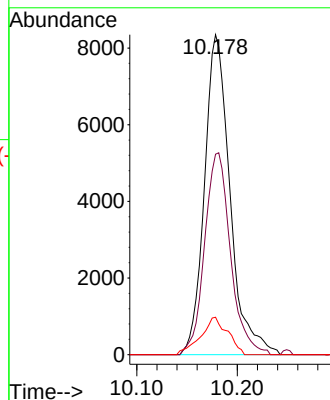
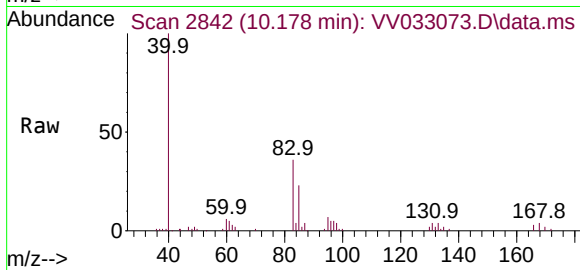




#57
1,1,2,2-Tetrachloroethane
Concen: 4.585 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

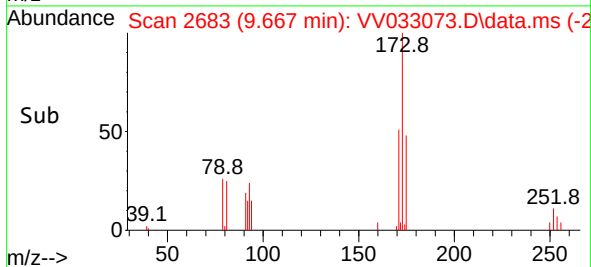
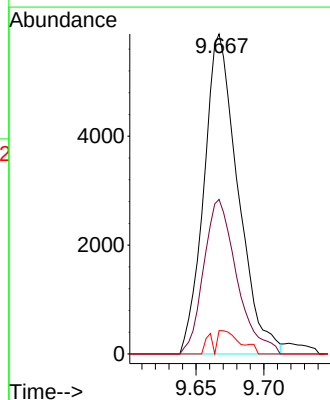
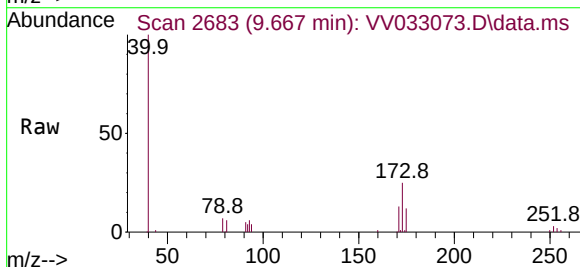
Instrument :
MSVOA_V
ClientSampleId :

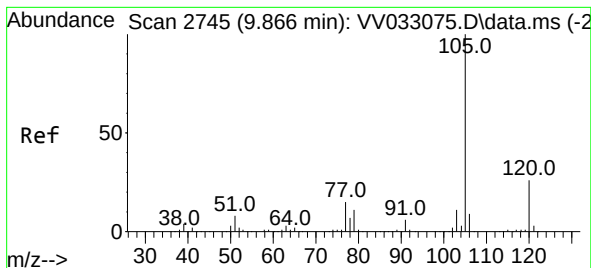
Tgt Ion: 83 Resp: 14773
Ion Ratio Lower Upper
83 100
85 62.6 45.5 84.5
131 11.7 9.7 14.5



#59
Bromoform
Concen: 4.924 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.003 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Tgt Ion: 173 Resp: 10230
Ion Ratio Lower Upper
173 100
175 47.1 38.7 58.1
254 4.1 8.0 12.0#





#60

Isopropylbenzene

Concen: 4.792 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033073.D

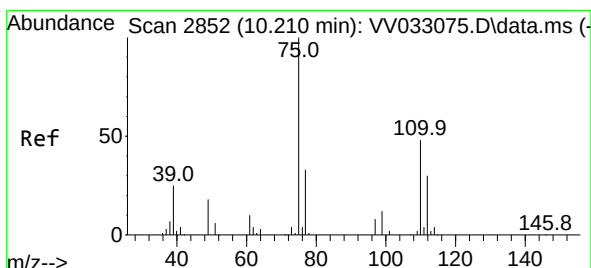
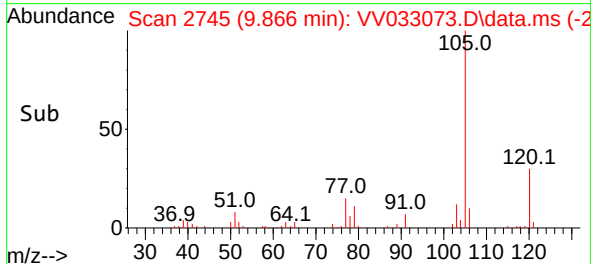
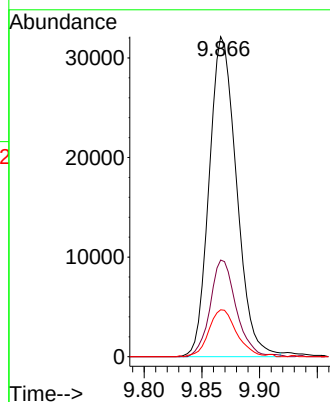
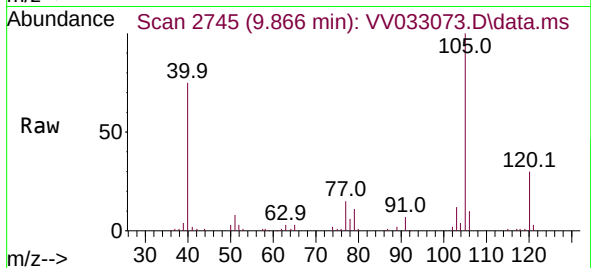
Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	105	Resp:	52892
Ion Ratio	Lower	Upper	
105	100		
120	28.9	21.3	31.9
77	14.9	12.0	18.0



#61

1,2,3-Trichloropropane

Concen: 5.156 ug/L

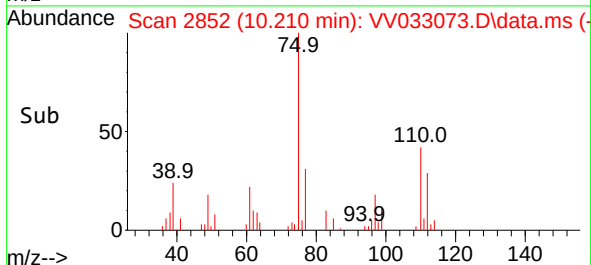
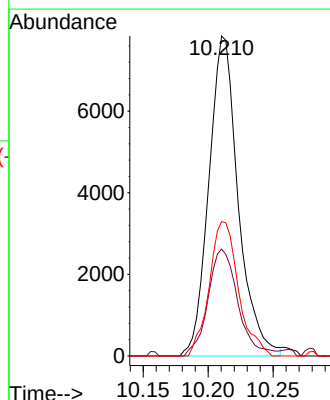
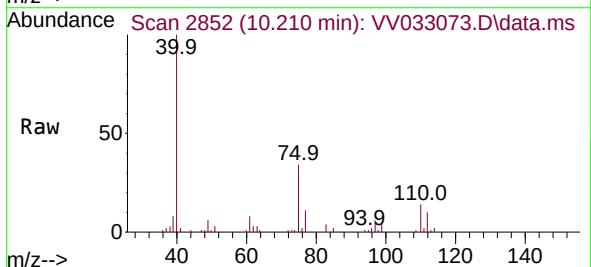
RT: 10.210 min Scan# 2852

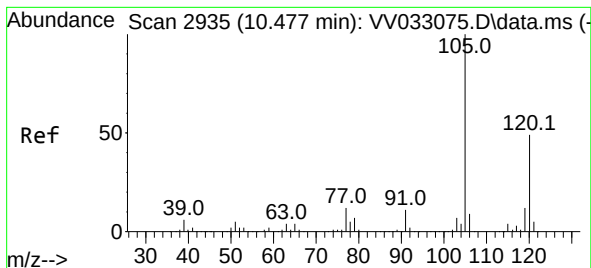
Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Tgt Ion:	75	Resp:	12309
Ion Ratio	Lower	Upper	
75	100		
77	34.0	27.0	40.6
110	41.7	38.1	57.1





#62

1,3,5-Trimethylbenzene

Concen: 4.585 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

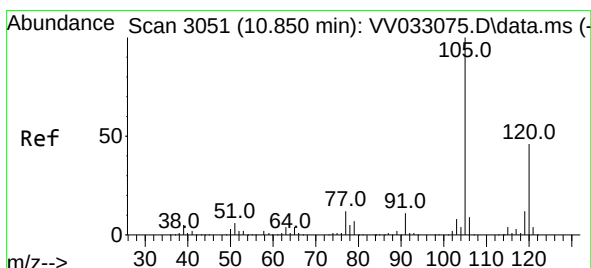
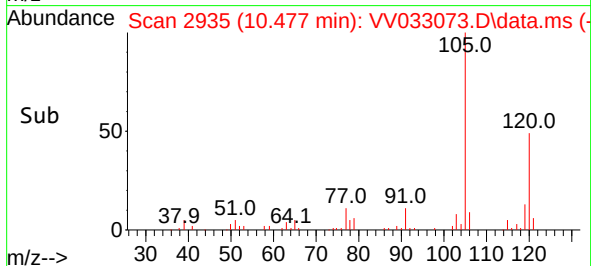
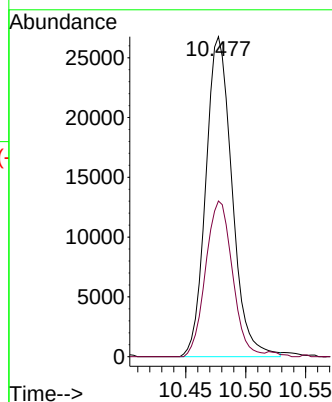
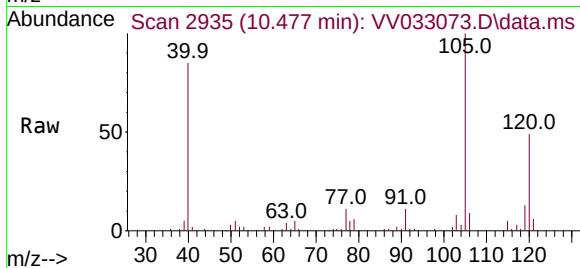
ClientSampleId :

Tgt Ion:105 Resp: 40777

Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 4.382 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033073.D

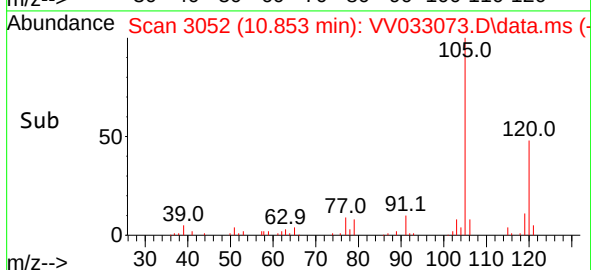
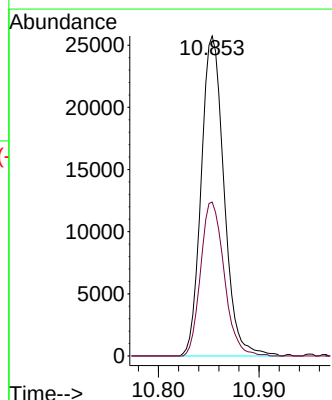
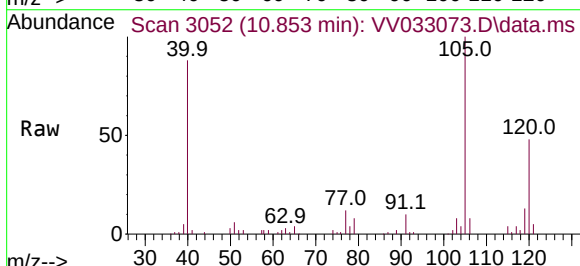
Acq: 01 Dec 2023 12:38

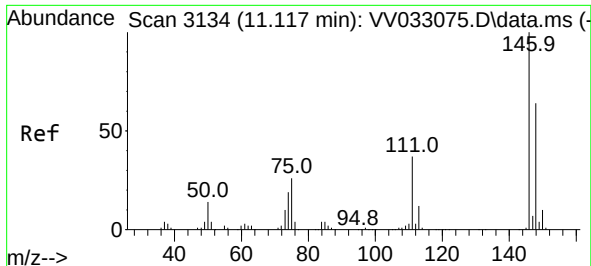
Tgt Ion:105 Resp: 40585

Ion Ratio Lower Upper

105 100

120 49.5 36.7 55.1

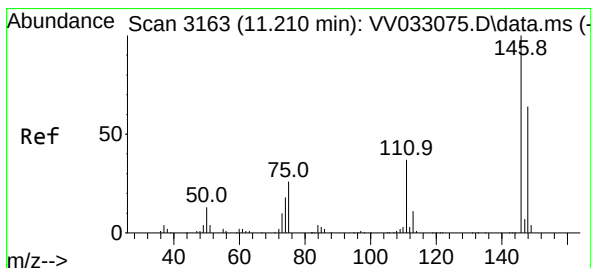
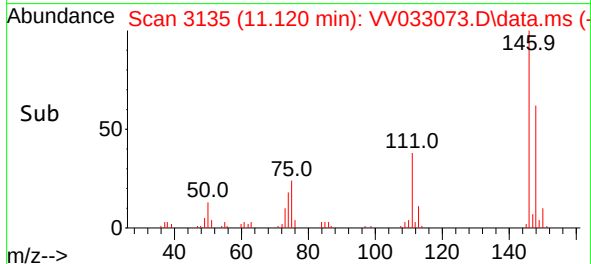
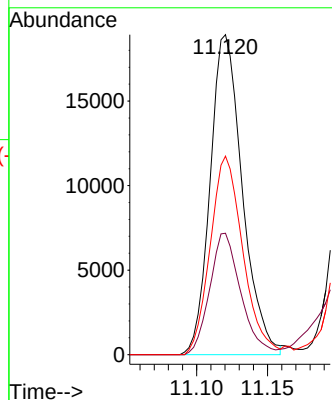
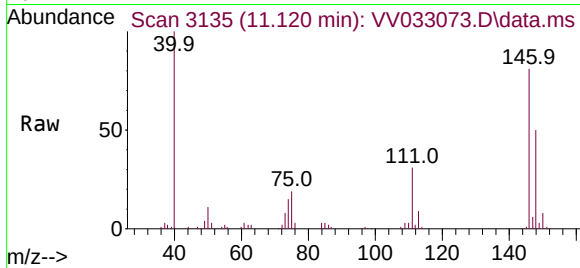




#64
1,3-Dichlorobenzene
Concen: 5.068 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

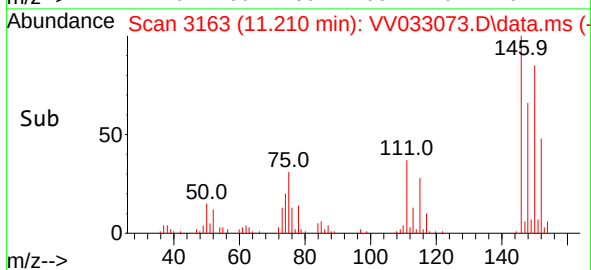
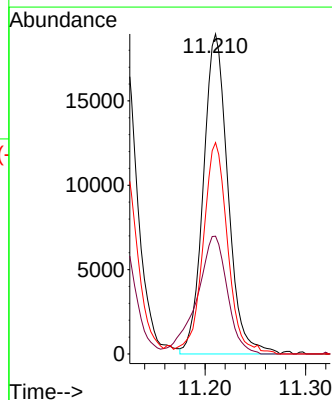
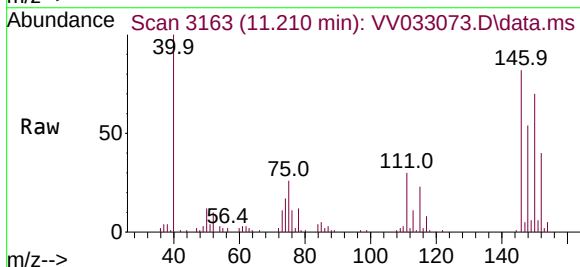
Instrument :
MSVOA_V
ClientSampleId :

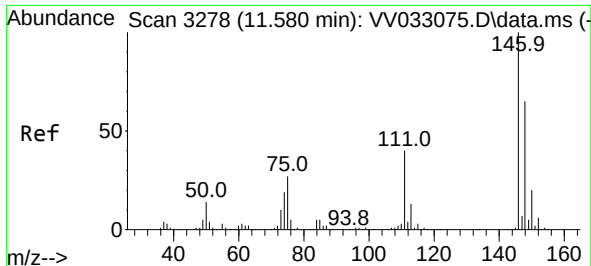
Tgt Ion:146 Resp: 29886
Ion Ratio Lower Upper
146 100
111 37.9 26.2 48.6
148 62.0 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.266 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

Tgt Ion:146 Resp: 32257
Ion Ratio Lower Upper
146 100
111 36.8 25.9 48.1
148 66.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

ClientSampleId :

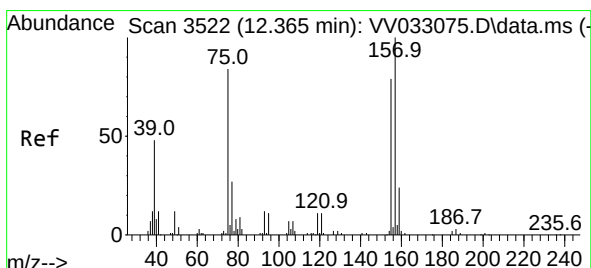
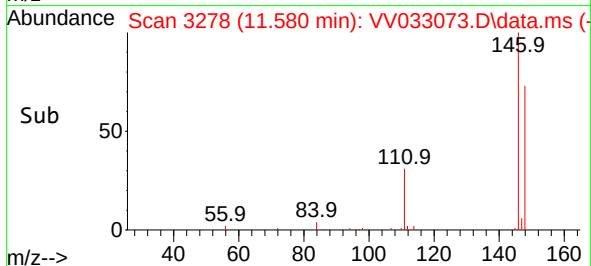
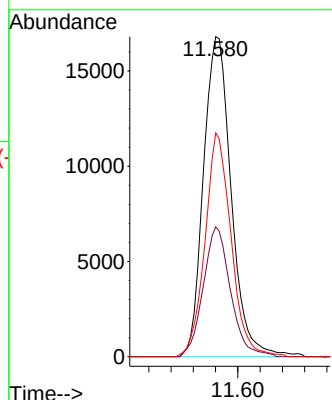
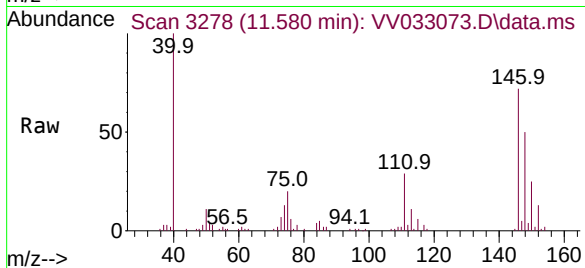
Tgt Ion:146 Resp: 28933

Ion Ratio Lower Upper

146 100

111 40.5 32.4 48.6

148 69.9 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.945 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.006 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

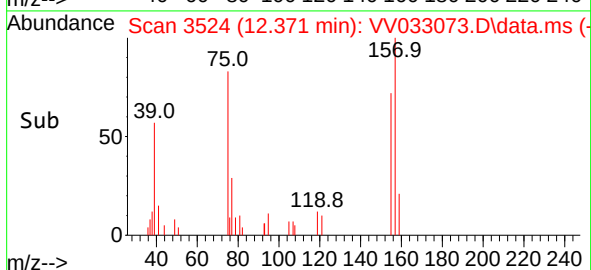
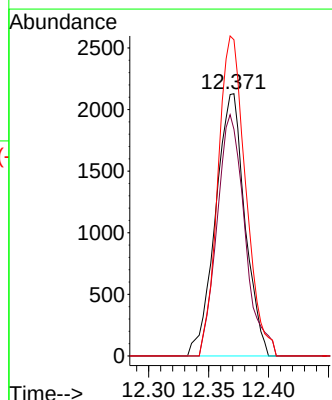
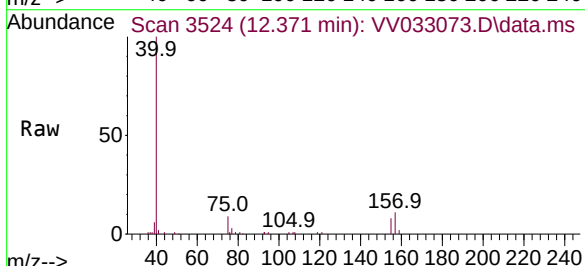
Tgt Ion: 75 Resp: 3622

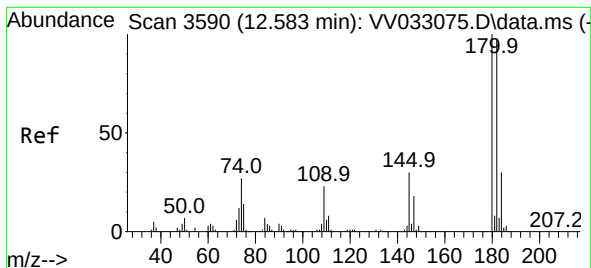
Ion Ratio Lower Upper

75 100

155 86.4 75.8 113.6

157 120.6 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 5.017 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 23698

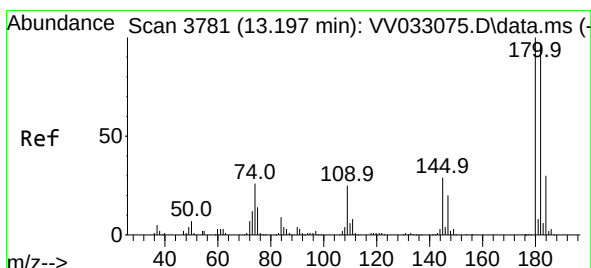
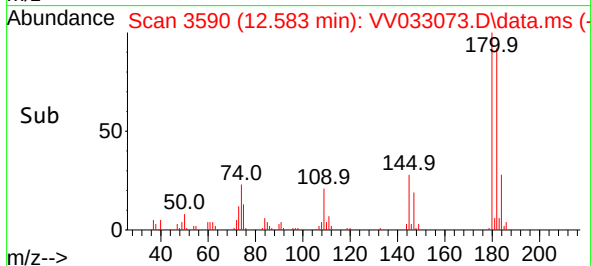
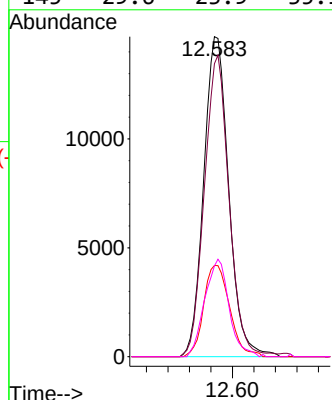
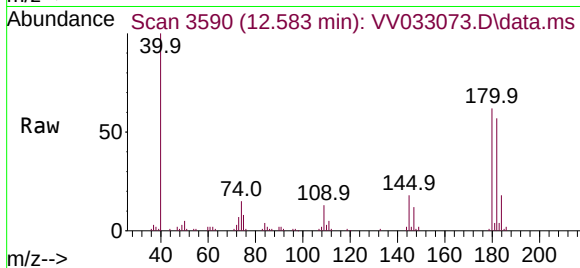
Ion Ratio Lower Upper

180 100

182 93.0 76.2 114.4

184 29.6 24.2 36.4

145 29.6 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 4.976 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033073.D

Acq: 01 Dec 2023 12:38

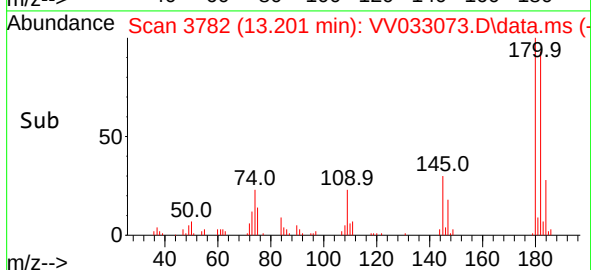
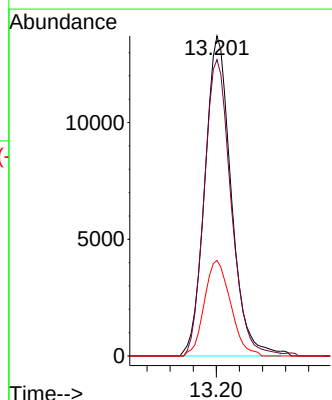
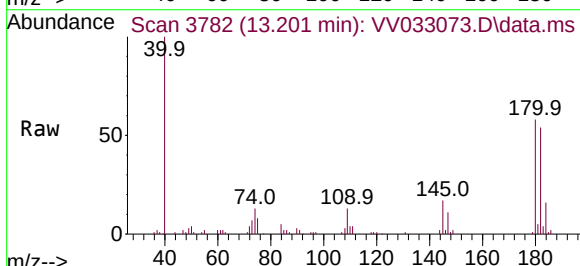
Tgt Ion:180 Resp: 21717

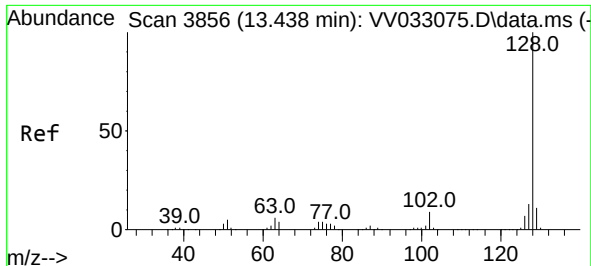
Ion Ratio Lower Upper

180 100

182 94.4 76.3 114.5

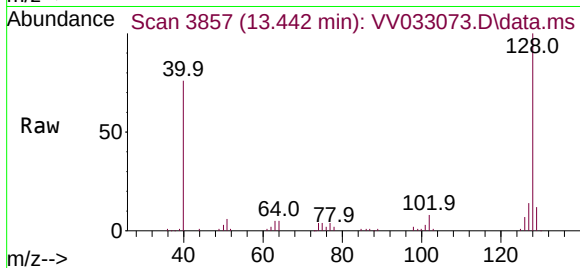
145 29.7 23.4 35.0



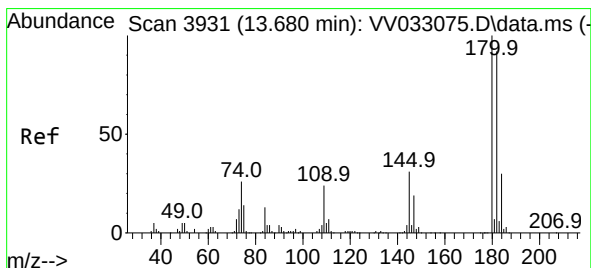
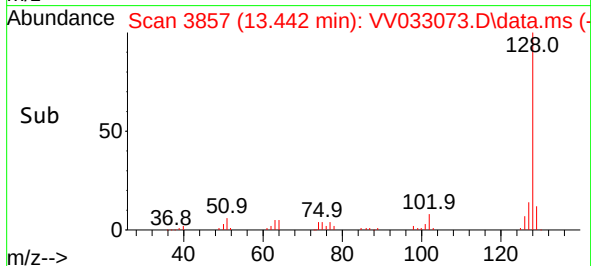
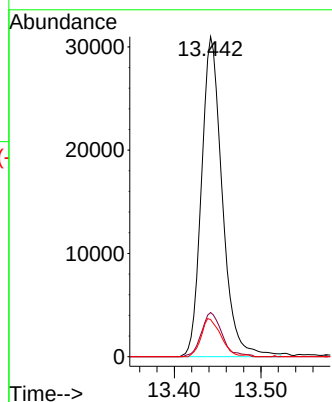


#71
Naphthalene
Concen: 4.857 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38

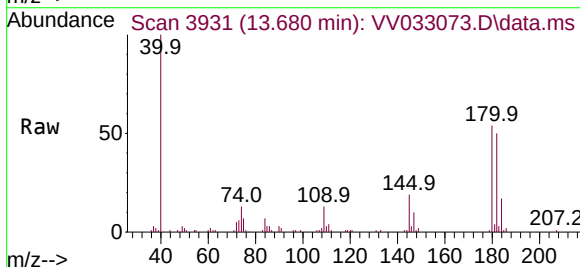
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	51689
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.2	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 4.859 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033073.D
Acq: 01 Dec 2023 12:38



Tgt Ion:	180	Resp:	20460
Ion Ratio	Lower	Upper	
180	100		
182	92.2	75.2	112.8
145	34.2	24.9	37.3

