

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120423\
 Data File : VW033099.D
 Acq On : 04 Dec 2023 16:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 05 03:24:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 05 03:20:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	311044	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	302790	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	182195	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	84008	45.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.360%
7) Chloroethane-d5	1.529	69	61358	47.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.720%
11) 1,1-Dichloroethene-d2	2.060	65	31856	45.035	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.060%
21) 2-Butanone-d5	3.780	46	102173	110.632	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.630%
24) Chloroform-d	4.249	84	196001	49.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.340%
26) 1,2-Dichloroethane-d4	4.941	65	125747	51.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.500%
32) Benzene-d6	4.960	84	358591	50.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.280%
36) 1,2-Dichloropropane-d6	5.989	67	97069	50.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.960%
41) Toluene-d8	7.243	98	332874	49.275	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.560%
43) trans-1,3-Dichloroprop...	7.551	79	61326	50.934	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.860%
47) 2-Hexanone-d5	8.021	63	88867	116.177	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.180%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	152692	56.412	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.820%
66) 1,2-Dichlorobenzene-d4	11.561	152	158915	49.022	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	151973	44.699	ug/L	100
3) Chloromethane	1.214	50	112282	50.072	ug/L	99
5) Vinyl chloride	1.282	62	105277	48.953	ug/L	95
6) Bromomethane	1.484	94	67142	47.846	ug/L	99
8) Chloroethane	1.548	64	53790	46.980	ug/L	96
9) Trichlorofluoromethane	1.712	101	164832	46.449	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76028	45.623	ug/L	98
12) 1,1-Dichloroethene	2.069	96	76825	49.266	ug/L	99
13) Acetone	2.108	43	65051	73.782	ug/L	98
14) Carbon disulfide	2.240	76	253960	45.392	ug/L	100
15) Methyl Acetate	2.368	43	75047	51.071	ug/L	98
16) Methylene chloride	2.446	84	105591	51.136	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	98985	48.345	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	328142	52.758	ug/L	100
19) 1,1-Dichloroethane	3.111	63	172741	50.975	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	114776	52.831	ug/L	97
22) 2-Butanone	3.863	43	101454	90.422	ug/L	99
23) Bromochloromethane	4.150	128	62205	49.866	ug/L	94
25) Chloroform	4.275	83	199749	51.253	ug/L	97

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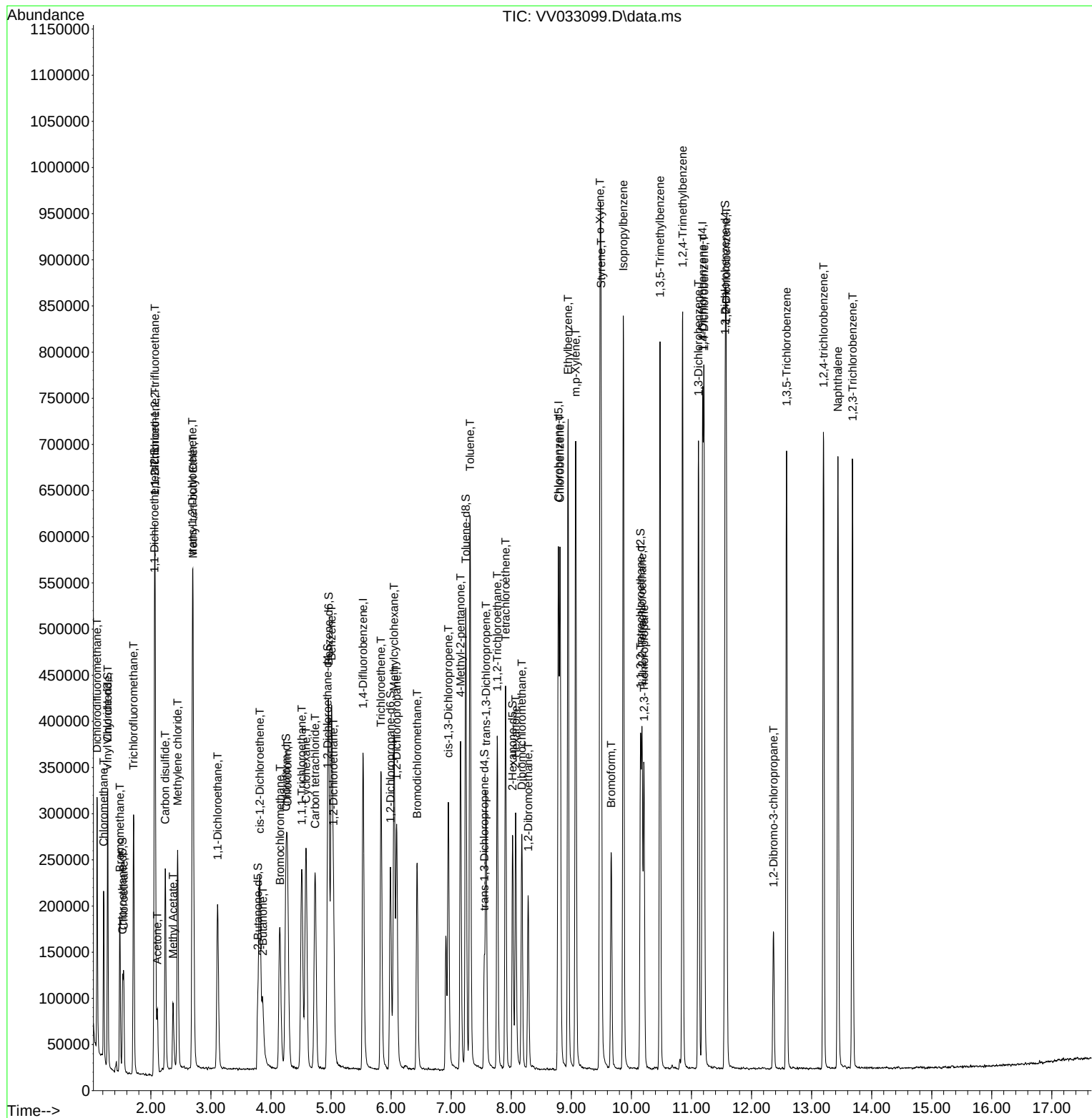
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	157407	51.111	ug/L	98
29) Cyclohexane	4.584	56	130975	46.832	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	186666	49.883	ug/L	99
31) Carbon tetrachloride	4.735	117	169832	48.810	ug/L	99
33) Benzene	5.008	78	394988	51.478	ug/L	100
34) Trichloroethene	5.831	95	108850	47.485	ug/L	98
35) Methylcyclohexane	6.050	83	157829	47.440	ug/L	99
37) 1,2-Dichloropropane	6.092	63	93682	52.756	ug/L	100
38) Bromodichloromethane	6.433	83	151301	52.851	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	175037	54.322	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	209892	111.323	ug/L	99
42) Toluene	7.314	91	443547	51.299	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	168710	51.779	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	108835	52.859	ug/L	98
46) Tetrachloroethene	7.905	164	92977	47.183	ug/L	97
48) 2-Hexanone	8.072	43	154513	98.843	ug/L	98
49) Dibromochloromethane	8.175	129	128708	52.365	ug/L	98
50) 1,2-Dibromoethane	8.281	107	117918	53.718	ug/L	100
51) Chlorobenzene	8.812	112	302333	49.724	ug/L	98
52) Ethylbenzene	8.947	91	490772	49.312	ug/L	100
53) m,p-Xylene	9.072	106	198010	50.240	ug/L	93
54) o-Xylene	9.477	106	190404	48.958	ug/L	97
55) Styrene	9.497	104	345216	51.311	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	157890	56.127	ug/L	97
59) Bromoform	9.664	173	107896	54.564	ug/L	99
60) Isopropylbenzene	9.866	105	517107	49.224	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	123047	54.161	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	418601	49.457	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	438372	49.732	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	276537	49.273	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	290510	49.830	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	276046	50.171	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	35886	51.479	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	211765	47.105	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	215744	51.944	ug/L	100
71) Naphthalene	13.439	128	520587	51.396	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	205546	51.288	ug/L	100

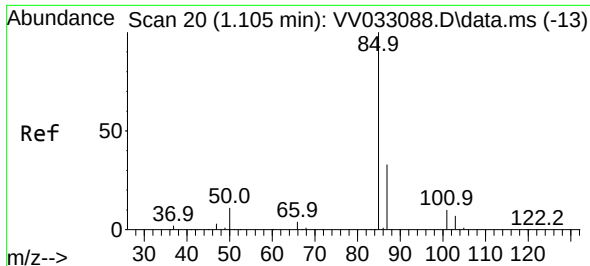
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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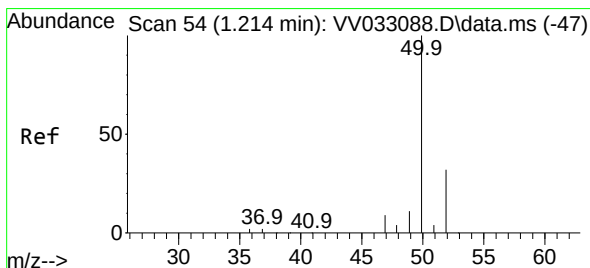
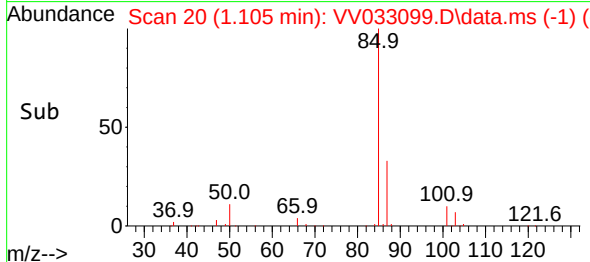
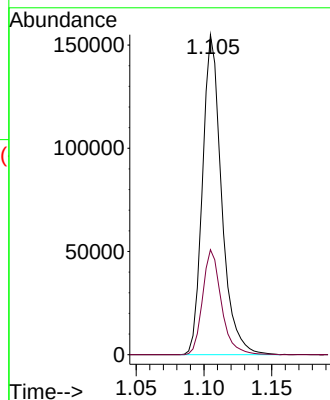
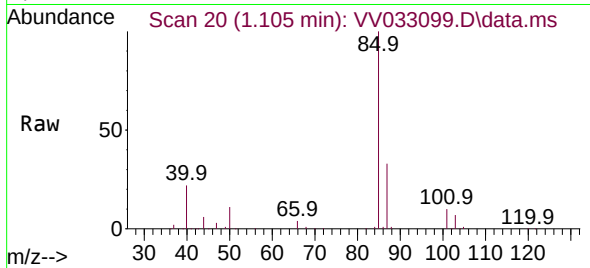




#2
 Dichlorodifluoromethane
 Concen: 44.699 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033099.D
 Acq: 04 Dec 2023 16:12

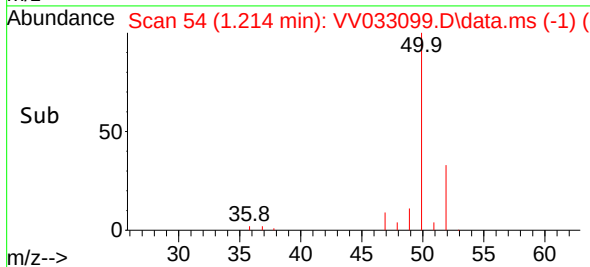
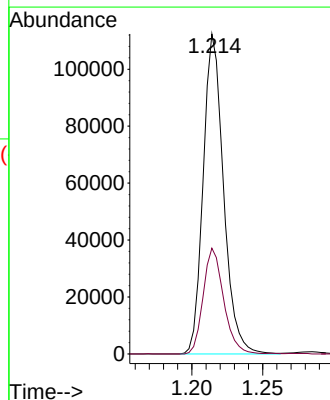
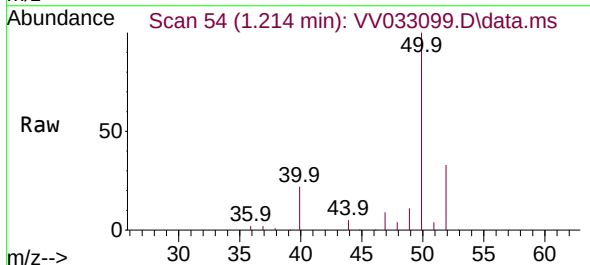
Instrument :
 MSVOA_V
 ClientSampleId :

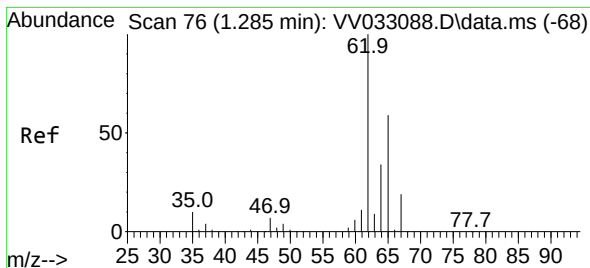
Tgt Ion: 85 Resp: 151973
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0



#3
 Chloromethane
 Concen: 50.072 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033099.D
 Acq: 04 Dec 2023 16:12

Tgt Ion: 50 Resp: 112282
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4





#5

Vinyl chloride

Concen: 48.953 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

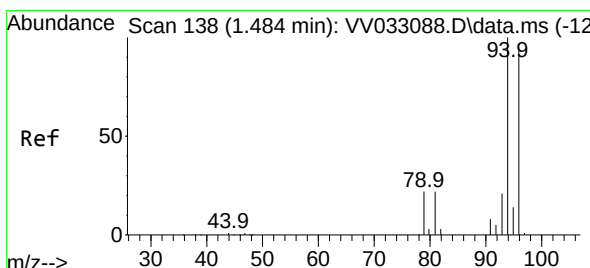
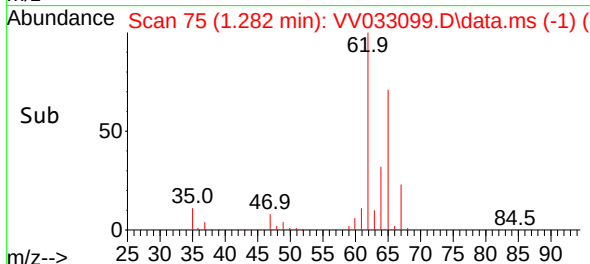
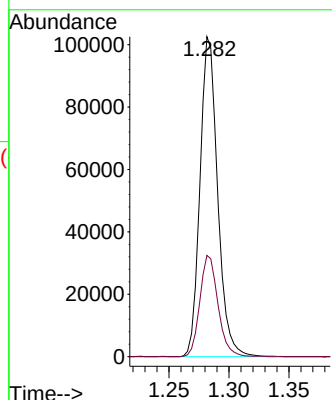
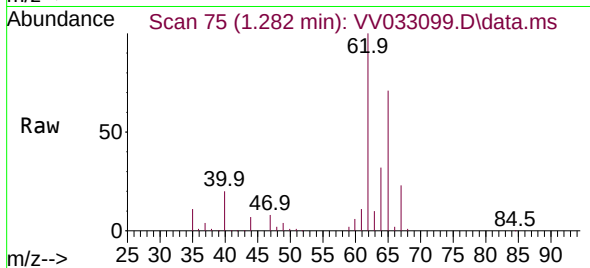
ClientSampleId :

Tgt Ion: 62 Resp: 105277

Ion Ratio Lower Upper

62 100

64 31.7 24.2 45.0



#6

Bromomethane

Concen: 47.846 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV033099.D

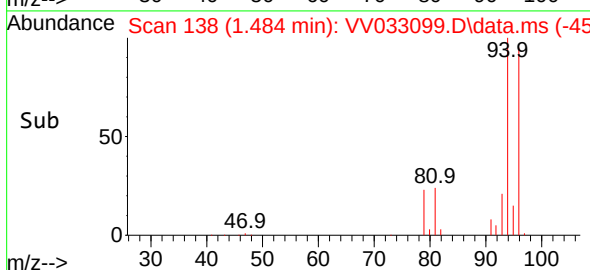
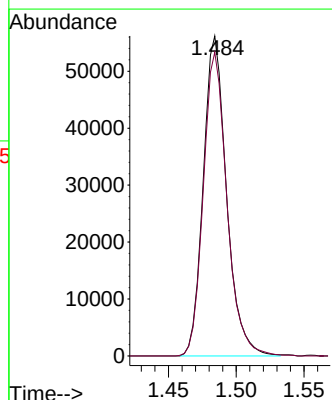
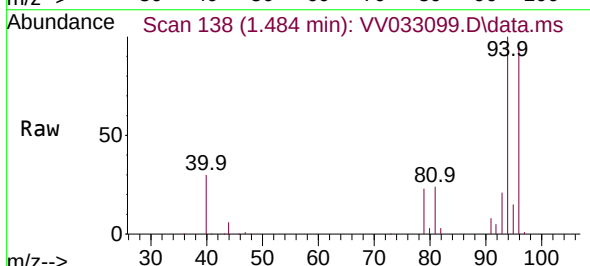
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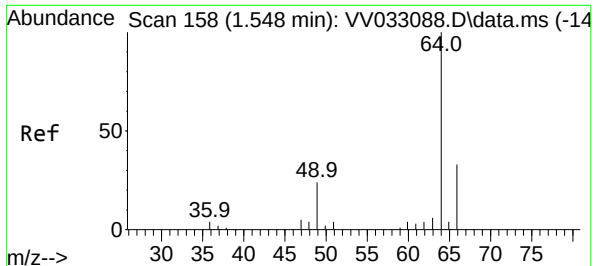
Tgt Ion: 94 Resp: 67142

Ion Ratio Lower Upper

94 100

96 94.9 67.1 124.7

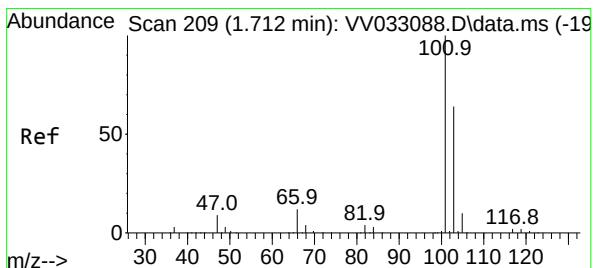
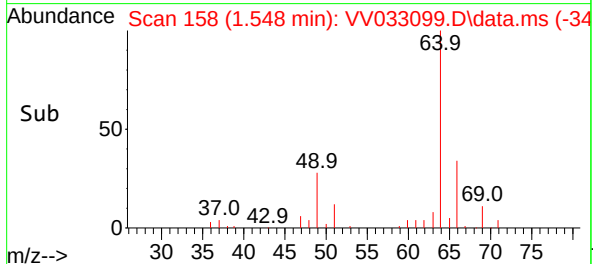
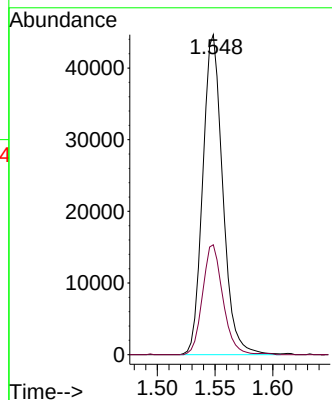
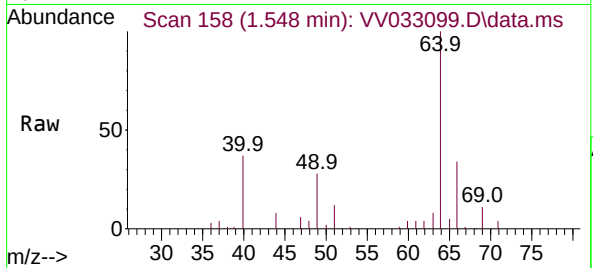




#8
Chloroethane
Concen: 46.980 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

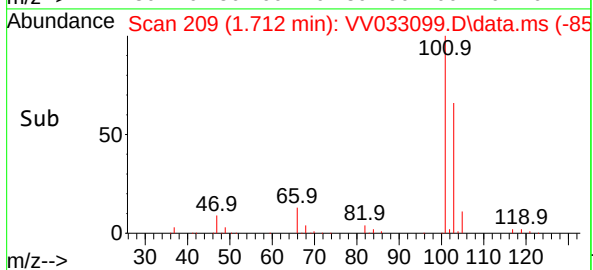
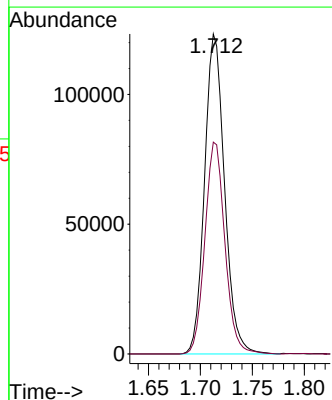
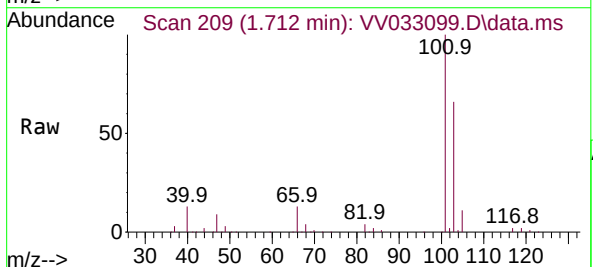
Instrument :
MSVOA_V
ClientSampleId :

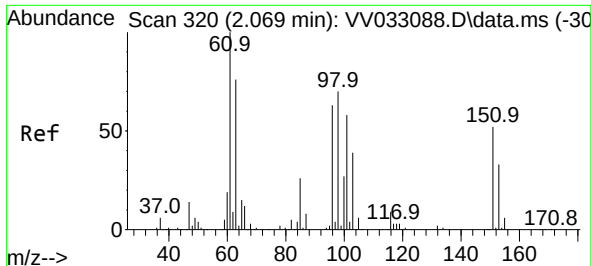
Tgt Ion: 64 Resp: 53790
Ion Ratio Lower Upper
64 100
66 34.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 46.449 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion:101 Resp: 164832
Ion Ratio Lower Upper
101 100
103 66.4 51.3 76.9





#10

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

Concen: 45.623 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

ClientSampleId :

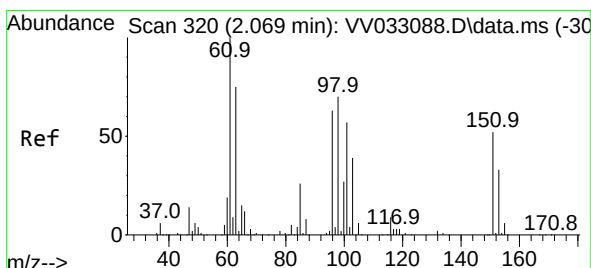
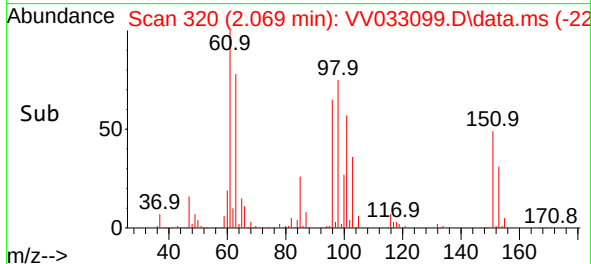
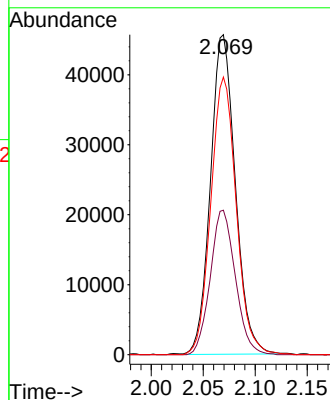
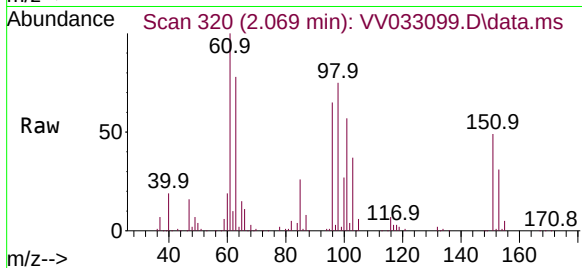
Tgt Ion:101 Resp: 76028

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

151 88.8 69.1 103.7



#12

1,1-Dichloroethene

Concen: 49.266 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

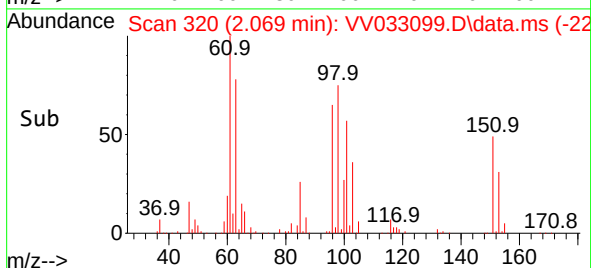
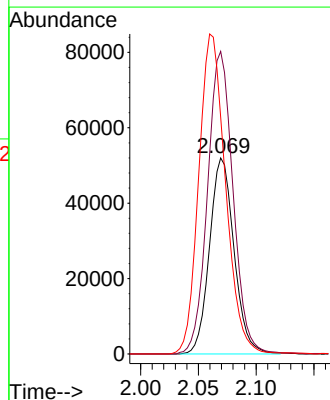
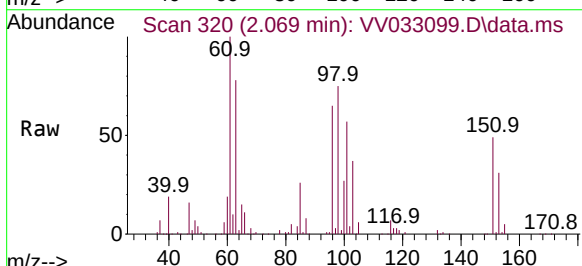
Tgt Ion: 96 Resp: 76825

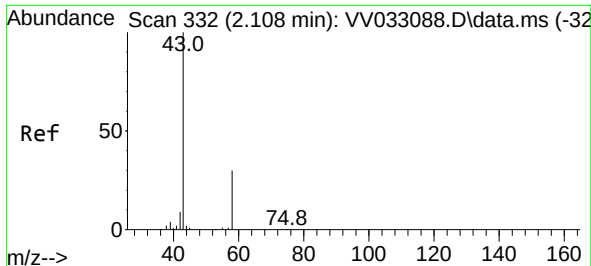
Ion Ratio Lower Upper

96 100

61 154.4 109.1 202.7

63 120.8 85.3 158.3





#13

Acetone

Concen: 73.782 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

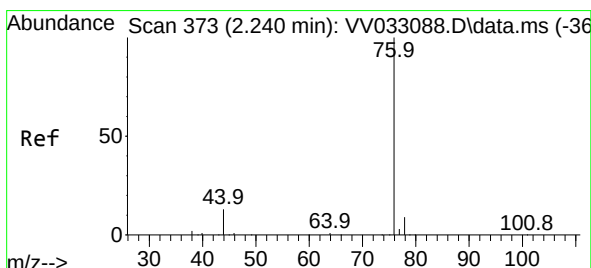
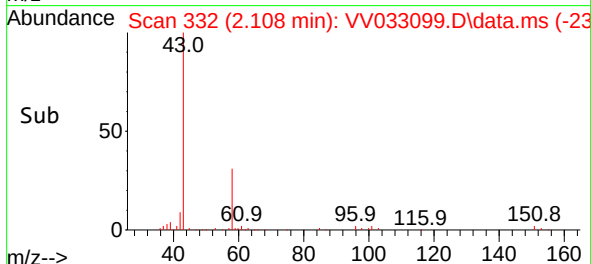
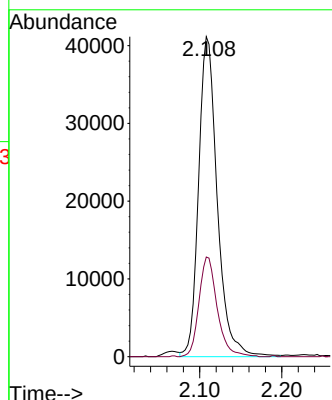
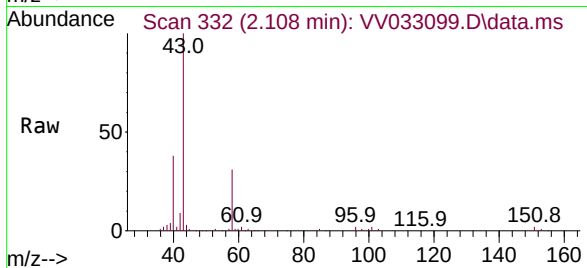
ClientSampleId :

Tgt Ion: 43 Resp: 65051

Ion Ratio Lower Upper

43 100

58 30.4 0.0 62.8



#14

Carbon disulfide

Concen: 45.392 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

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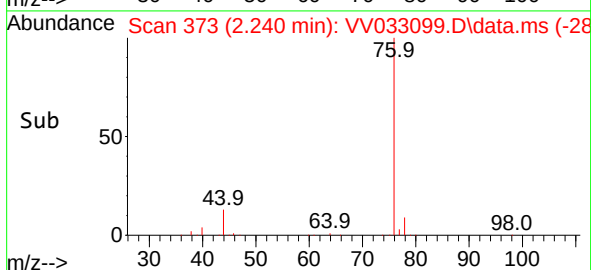
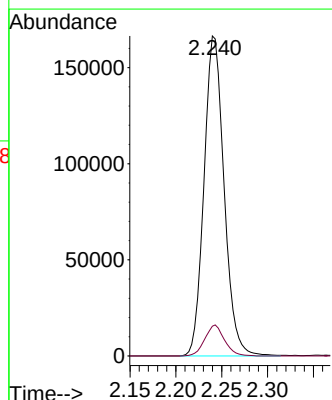
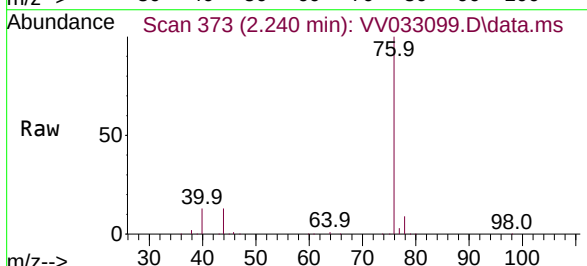
Acq: 04 Dec 2023 16:12

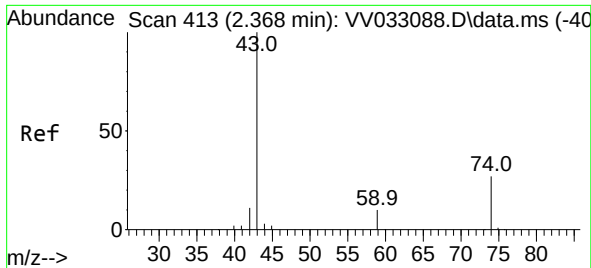
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Ion Ratio Lower Upper

76 100

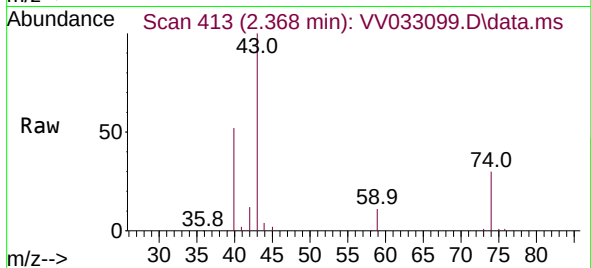
78 9.3 7.4 11.0



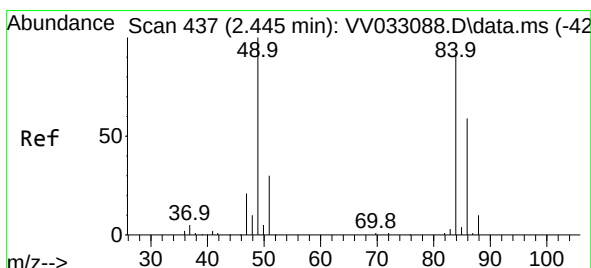
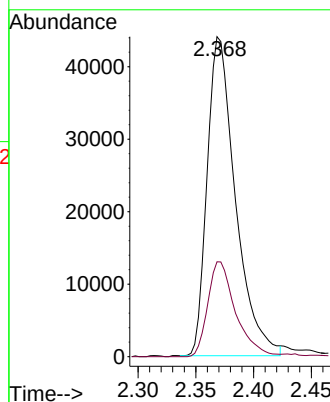
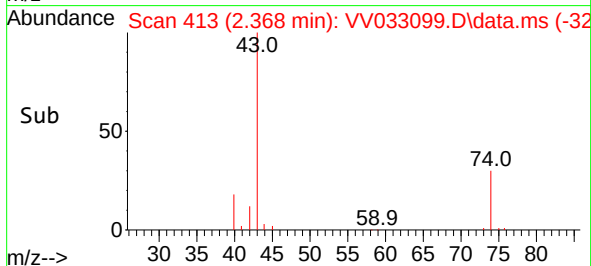


#15
Methyl Acetate
Concen: 51.071 ug/L
RT: 2.368 min Scan# 413
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Instrument :
MSVOA_V
ClientSampleId :

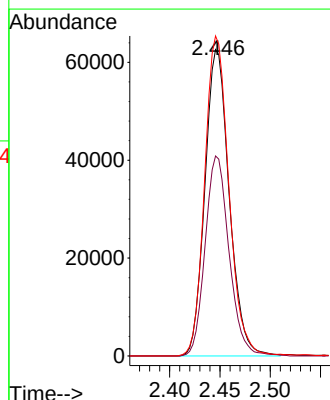
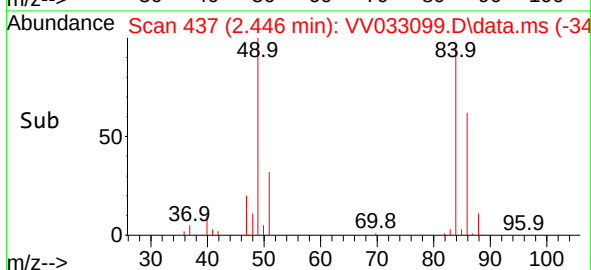
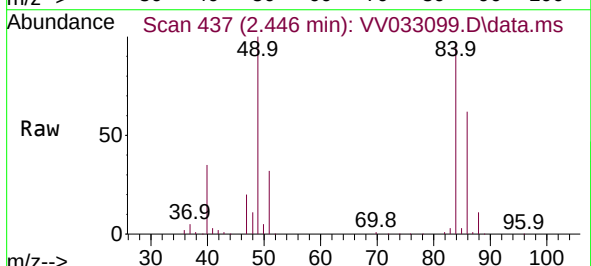


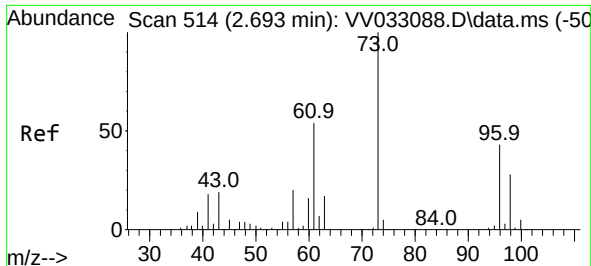
Tgt Ion: 43 Resp: 75047
Ion Ratio Lower Upper
43 100
74 29.2 22.6 33.8



#16
Methylene chloride
Concen: 51.136 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 84 Resp: 105591
Ion Ratio Lower Upper
84 100
86 65.3 45.9 85.3
49 104.4 75.5 140.1

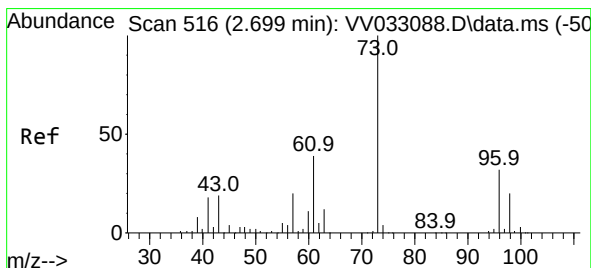
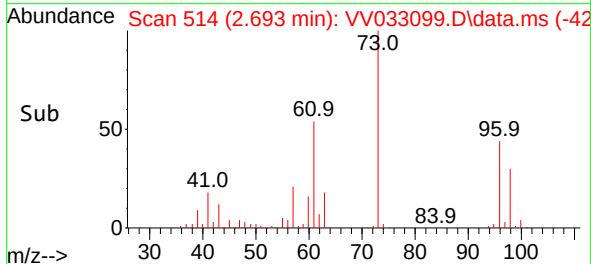
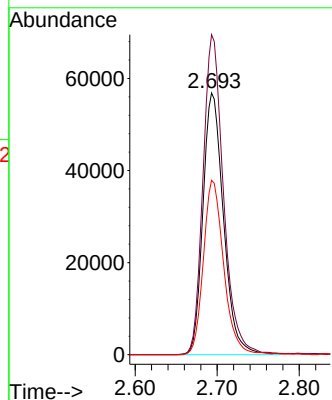
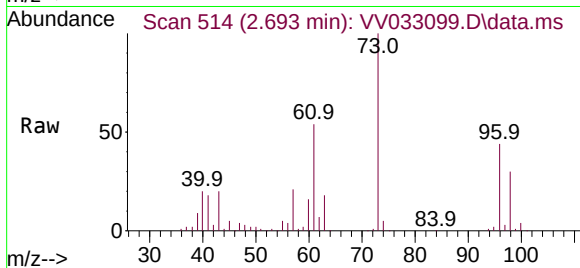




#17
trans-1,2-Dichloroethene
Concen: 48.345 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

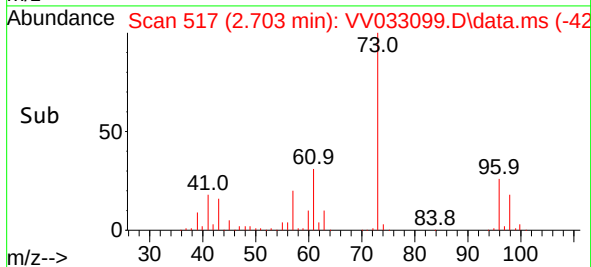
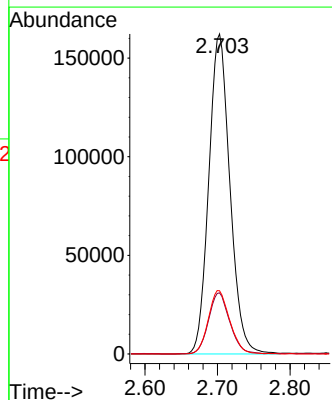
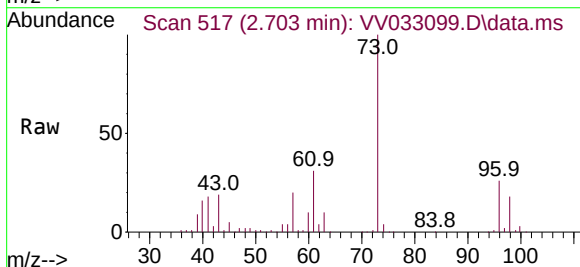
Instrument :
MSVOA_V
ClientSampleId :

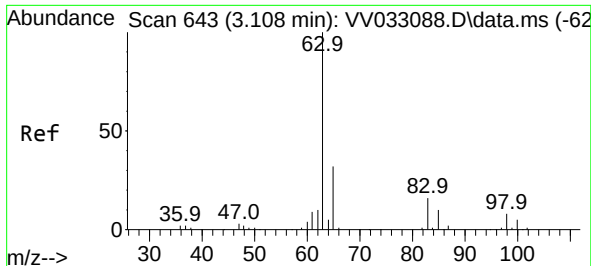
Tgt Ion: 96 Resp: 98985
Ion Ratio Lower Upper
96 100
61 122.3 86.5 160.6
98 66.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 52.758 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 73 Resp: 328142
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.2
57 20.0 16.1 24.1





#19

1,1-Dichloroethane

Concen: 50.975 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

ClientSampleId :

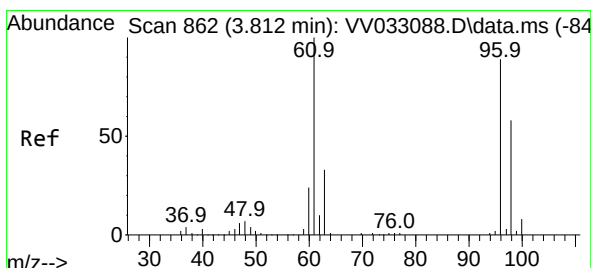
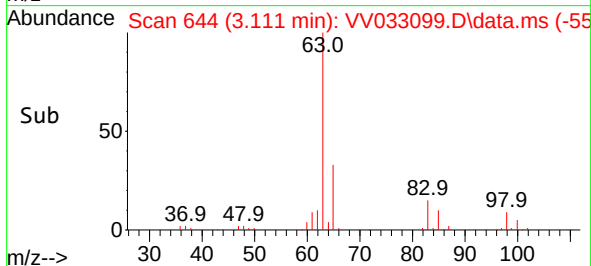
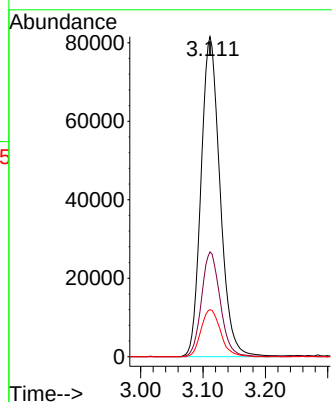
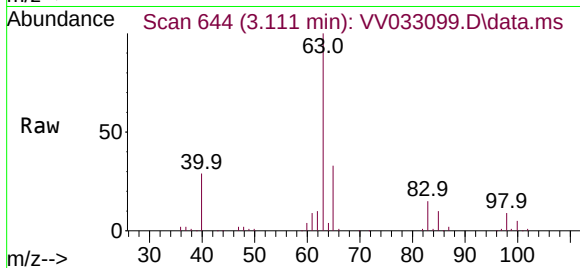
Tgt Ion: 63 Resp: 172741

Ion Ratio Lower Upper

63 100

65 32.8 23.0 42.6

83 14.7 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 52.831 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

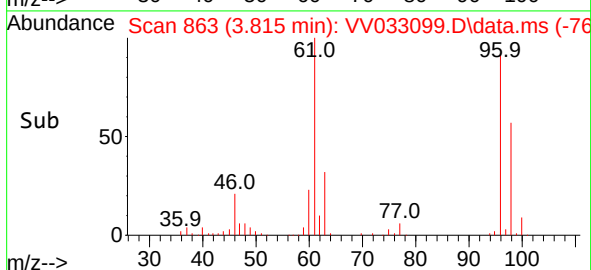
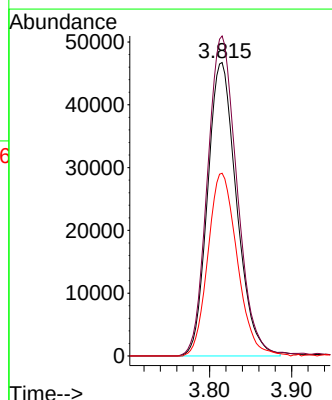
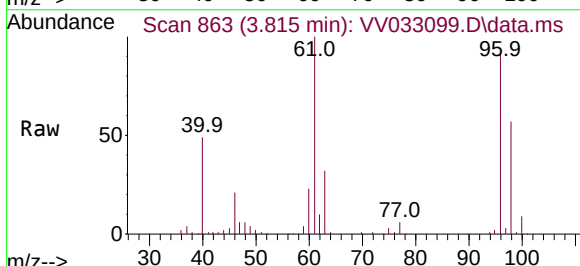
Tgt Ion: 96 Resp: 114776

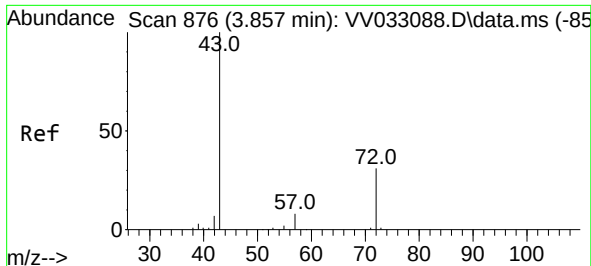
Ion Ratio Lower Upper

96 100

61 109.1 79.1 146.9

98 62.3 45.1 83.7

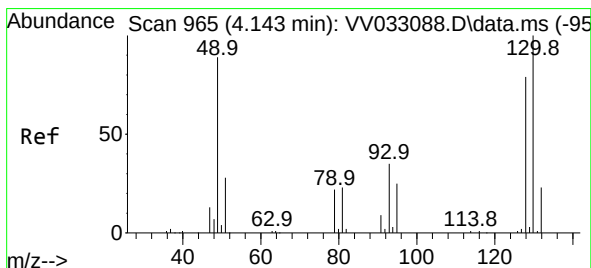
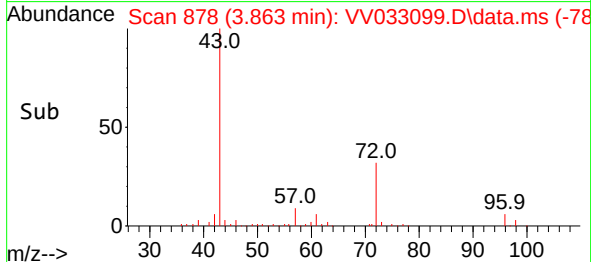
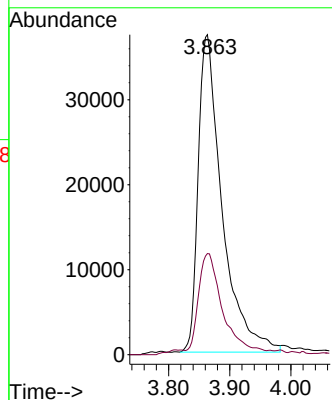
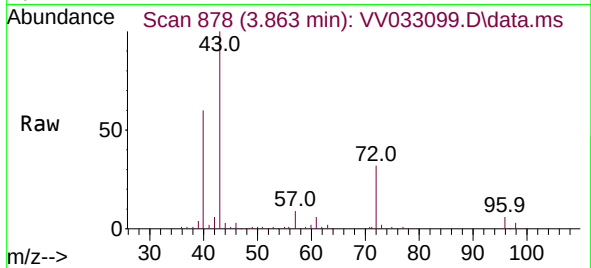




#22
2-Butanone
Concen: 90.422 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.007 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

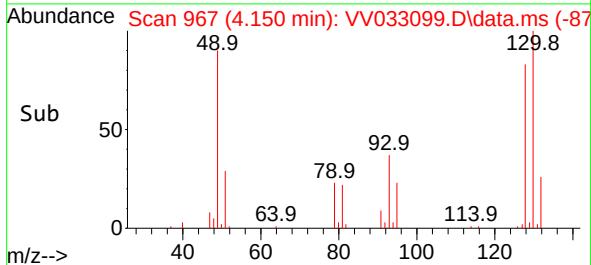
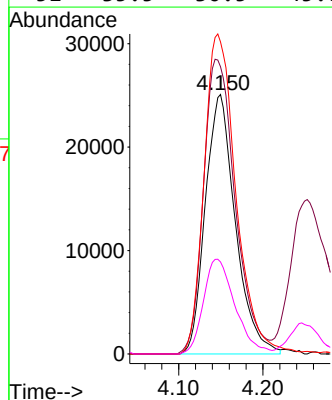
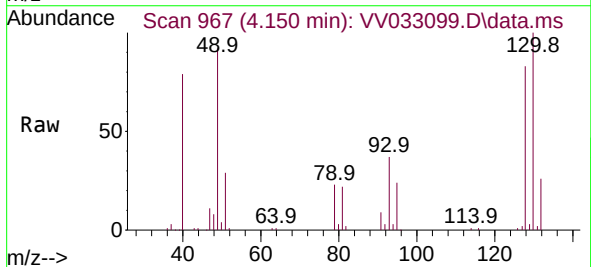
Instrument :
MSVOA_V
ClientSampleId :

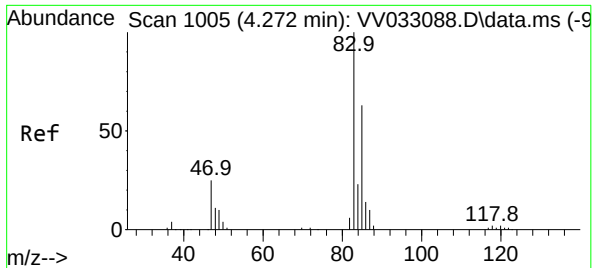
Tgt Ion: 43 Resp: 101454
Ion Ratio Lower Upper
43 100
72 29.5 14.6 43.8



#23
Bromochloromethane
Concen: 49.866 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.007 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion:128 Resp: 62205
Ion Ratio Lower Upper
128 100
49 110.7 81.7 151.7
130 120.2 90.1 167.3
51 35.5 30.5 45.7

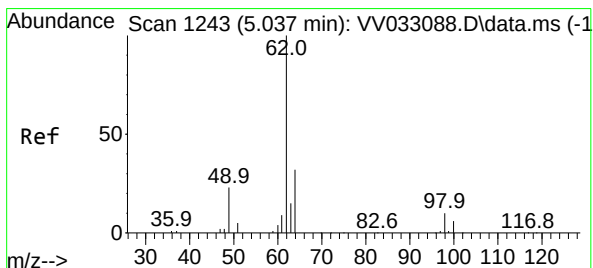
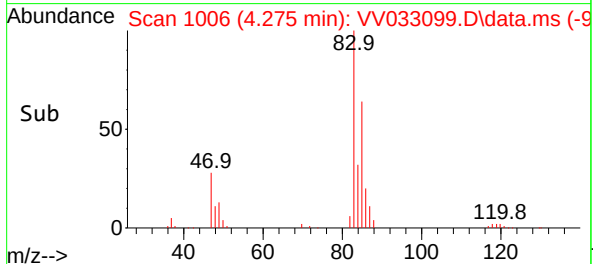
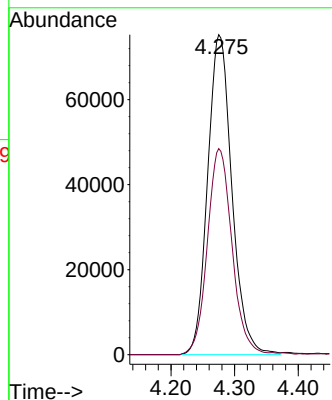
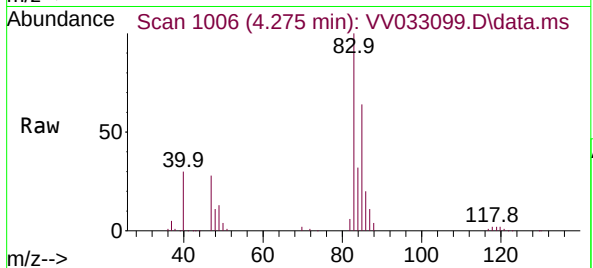




#25
Chloroform
Concen: 51.253 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

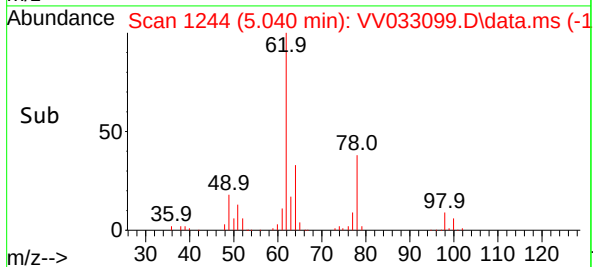
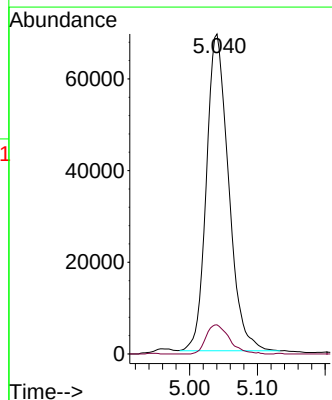
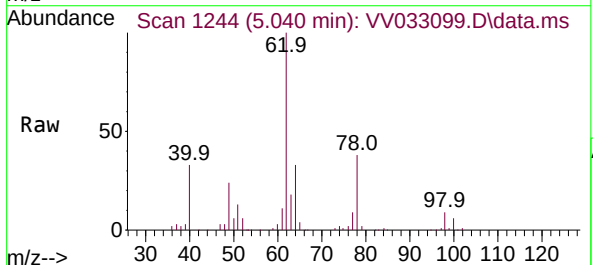
Instrument :
MSVOA_V
ClientSampleId :

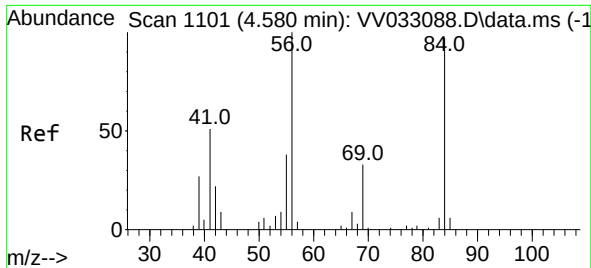
Tgt Ion: 83 Resp: 199749
Ion Ratio Lower Upper
83 100
85 64.4 43.5 80.7



#27
1,2-Dichloroethane
Concen: 51.111 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 62 Resp: 157407
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.8

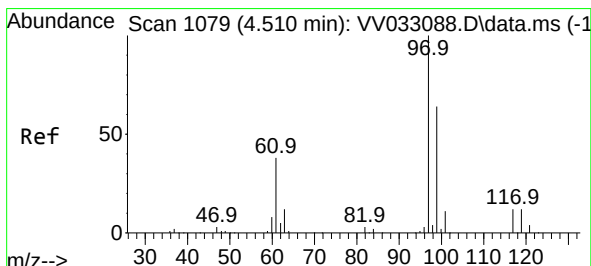
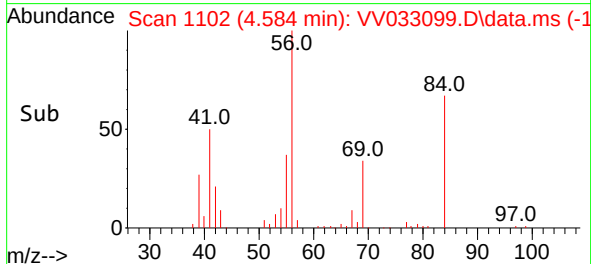
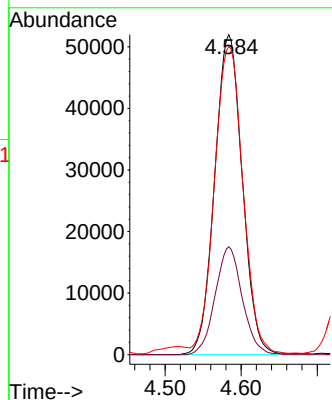
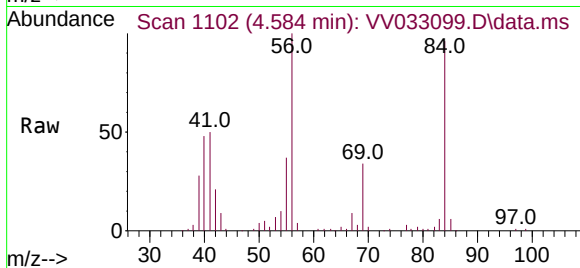




#29
Cyclohexane
Concen: 46.832 ug/L
RT: 4.584 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

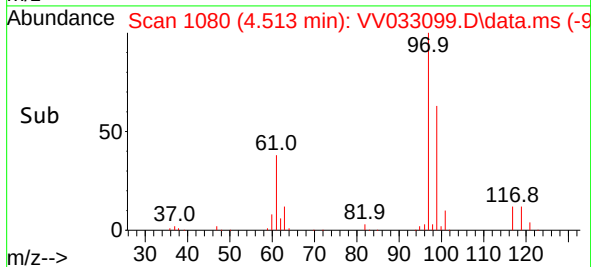
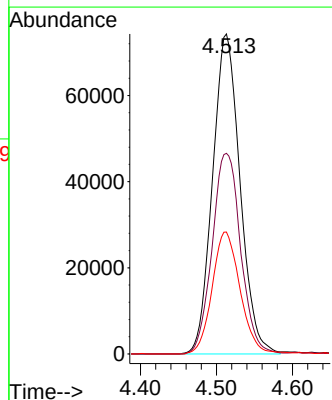
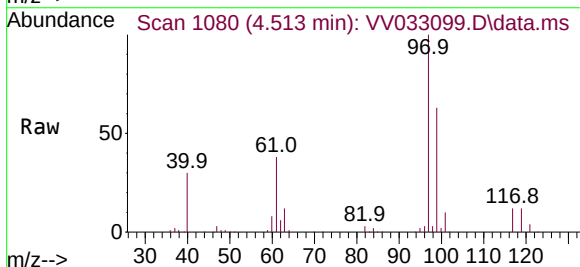
Instrument :
MSVOA_V
ClientSampleId :

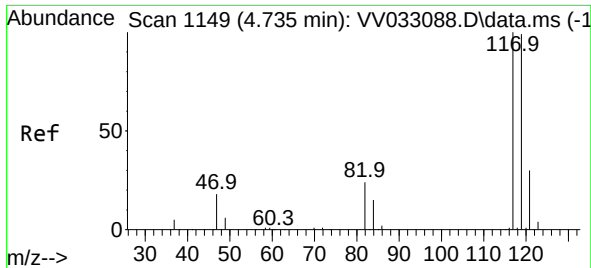
Tgt Ion: 56 Resp: 130975
Ion Ratio Lower Upper
56 100
69 33.1 26.9 40.3
84 98.9 80.6 121.0



#30
1,1,1-Trichloroethane
Concen: 49.883 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 97 Resp: 186666
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 38.9 31.8 47.8

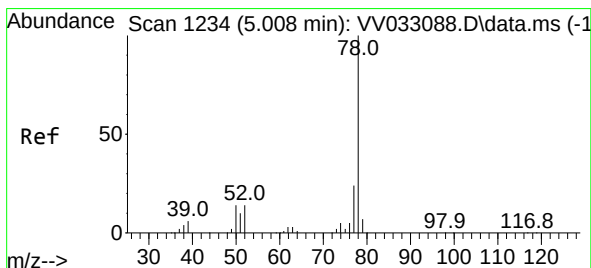
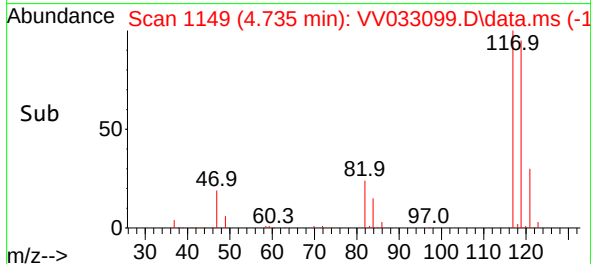
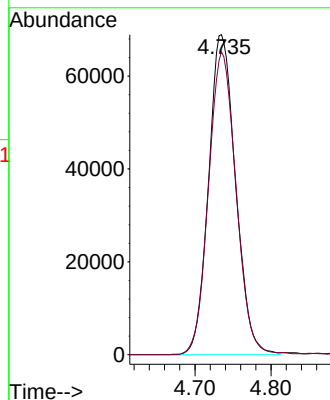
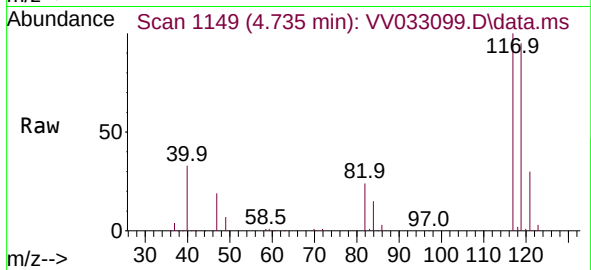




#31
Carbon tetrachloride
Concen: 48.810 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

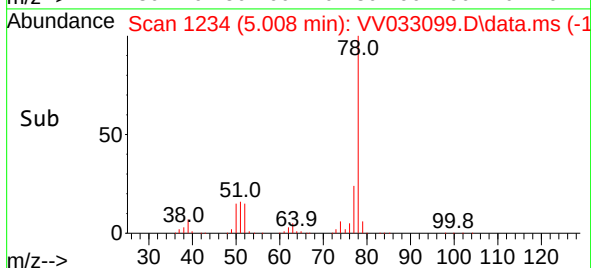
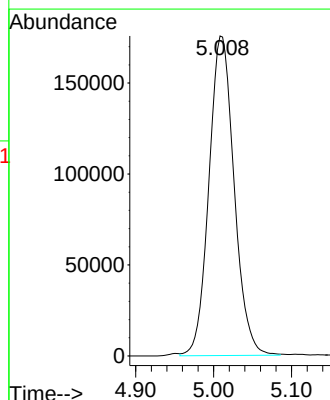
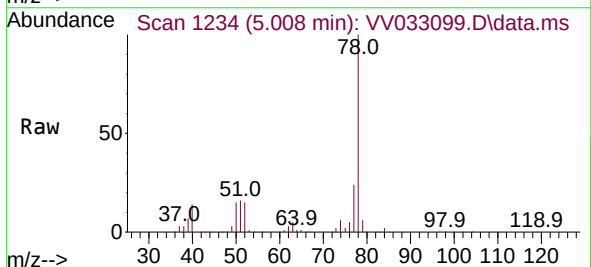
Instrument :
MSVOA_V
ClientSampleId :

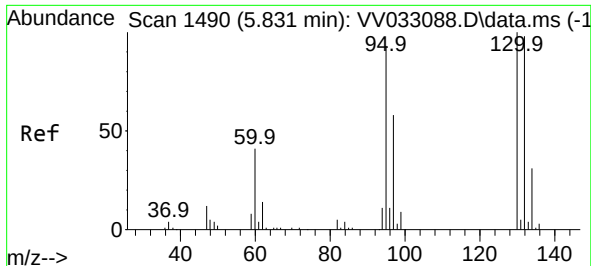
Tgt Ion:117 Resp: 169832
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 51.478 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 78 Resp: 394988

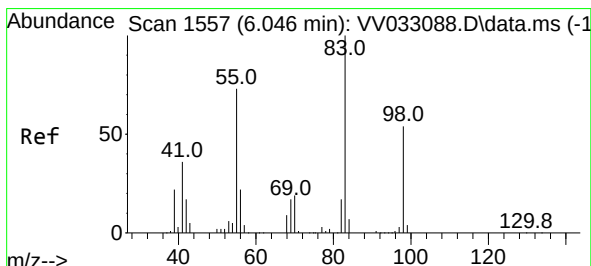
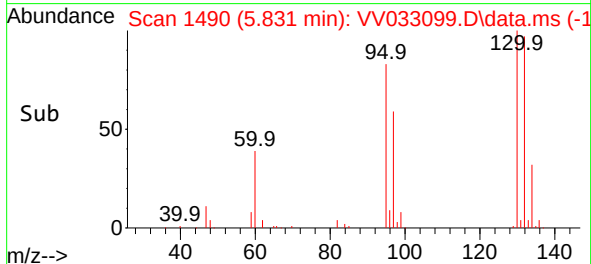
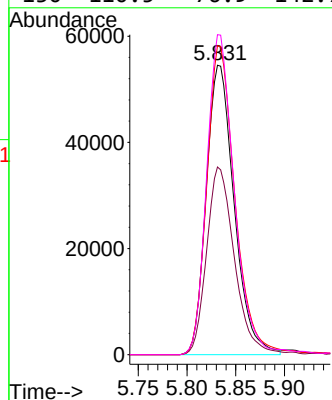
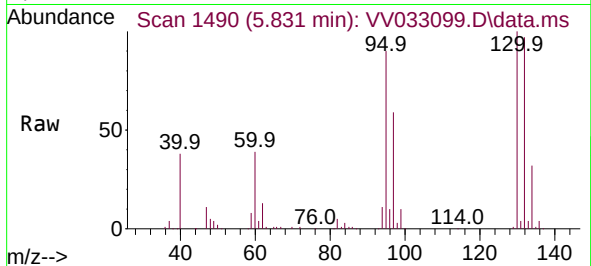




#34
Trichloroethene
Concen: 47.485 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

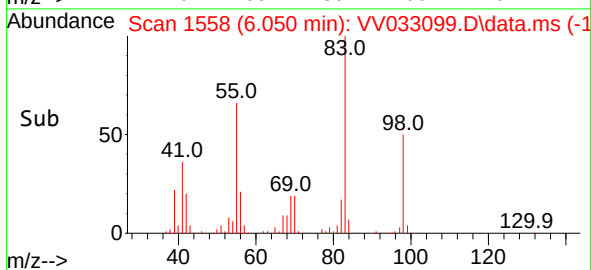
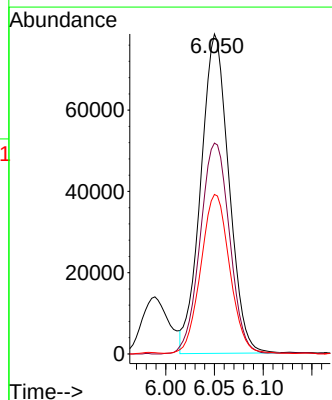
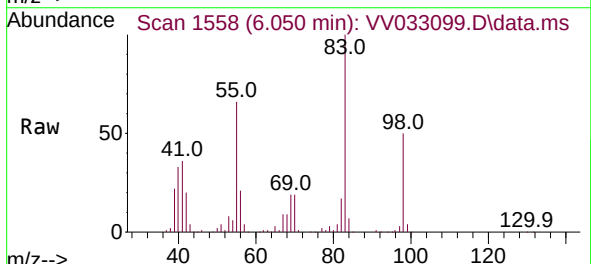
Instrument :
MSVOA_V
ClientSampleId :

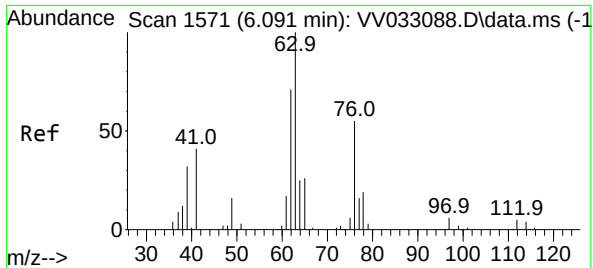
Tgt Ion: 95 Resp: 108850
Ion Ratio Lower Upper
95 100
97 64.8 45.8 85.0
132 106.7 77.4 143.8
130 110.5 76.9 142.7



#35
Methylcyclohexane
Concen: 47.440 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 83 Resp: 157829
Ion Ratio Lower Upper
83 100
55 69.1 54.8 82.2
98 51.0 41.4 62.0

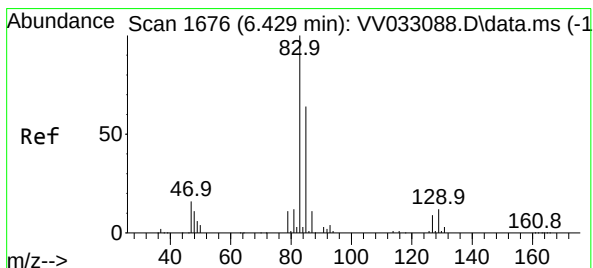
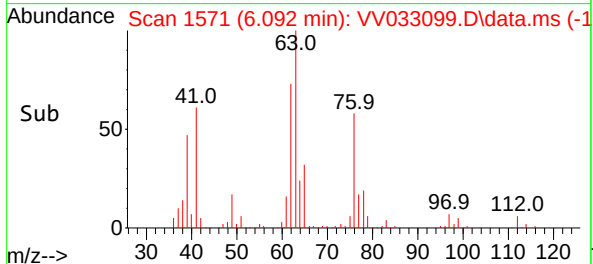
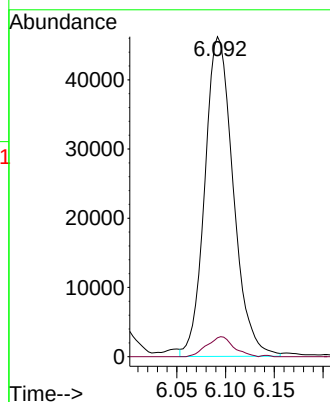
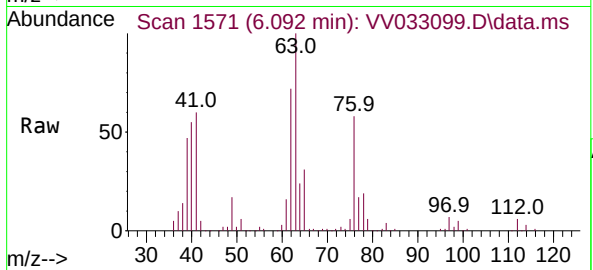




#37
1,2-Dichloropropane
Concen: 52.756 ug/L
RT: 6.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

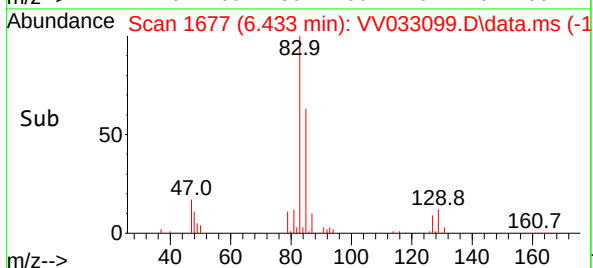
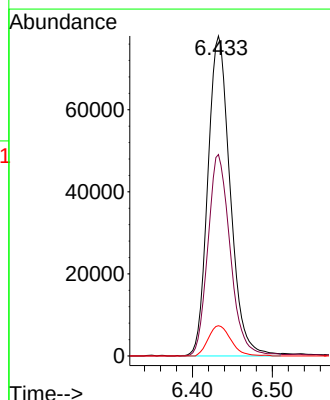
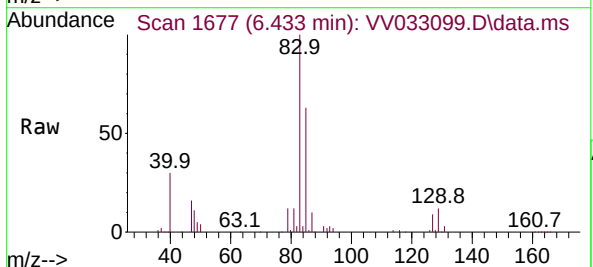
Instrument :
MSVOA_V
ClientSampleId :

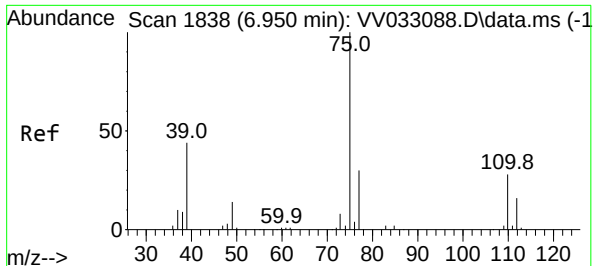
Tgt Ion: 63 Resp: 93682
Ion Ratio Lower Upper
63 100
112 5.9 4.6 6.8



#38
Bromodichloromethane
Concen: 52.851 ug/L
RT: 6.433 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 83 Resp: 151301
Ion Ratio Lower Upper
83 100
85 63.0 45.6 84.6
127 9.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 54.322 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

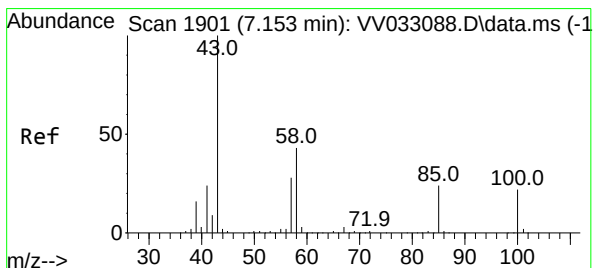
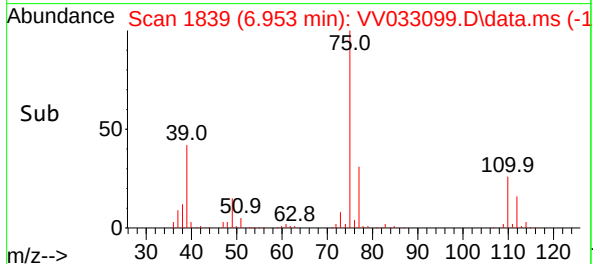
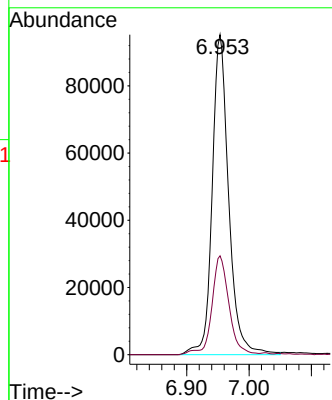
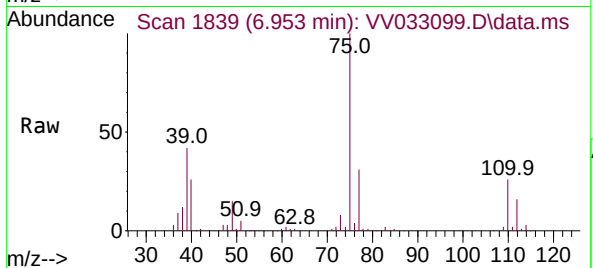
ClientSampleId :

Tgt Ion: 75 Resp: 175037

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 111.323 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

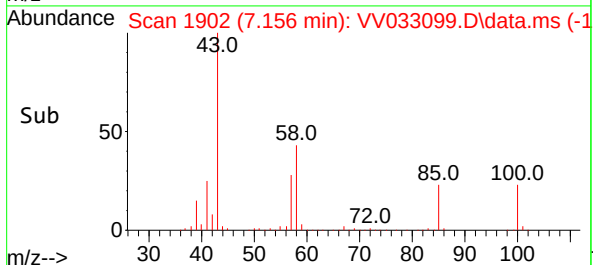
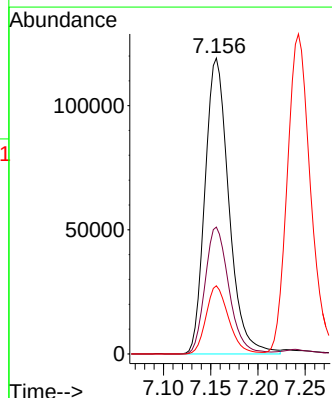
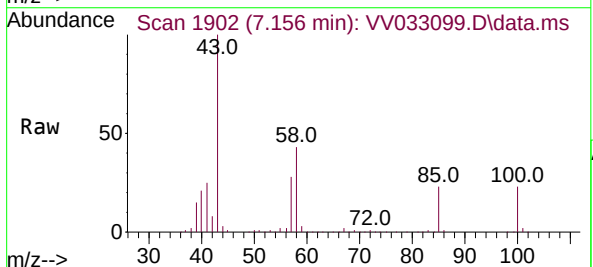
Tgt Ion: 43 Resp: 209892

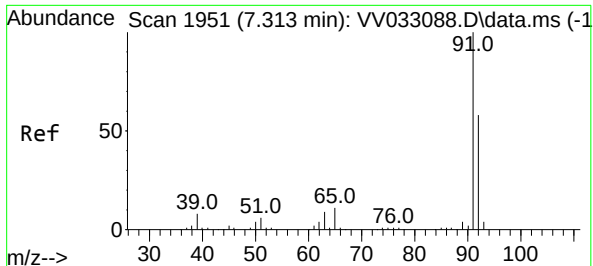
Ion Ratio Lower Upper

43 100

58 42.9 34.5 51.7

100 21.8 17.0 25.6





#42

Toluene

Concen: 51.299 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

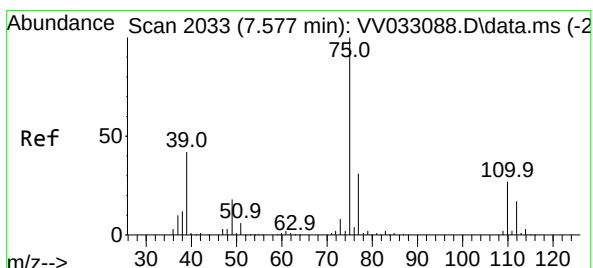
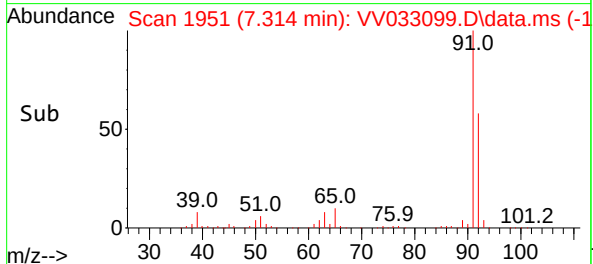
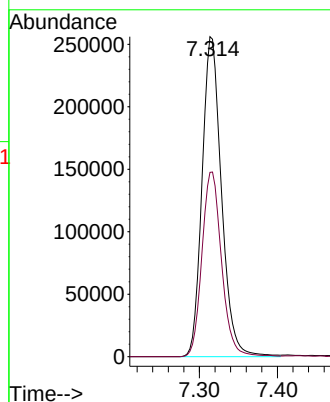
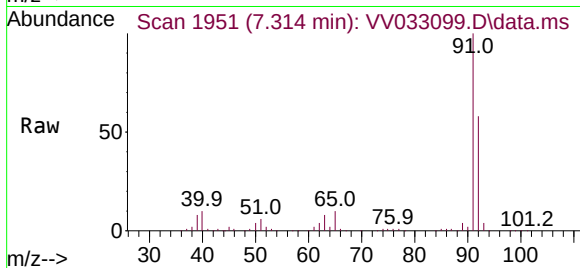
ClientSampleId :

Tgt Ion: 91 Resp: 443547

Ion Ratio Lower Upper

91 100

92 57.6 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 51.779 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033099.D

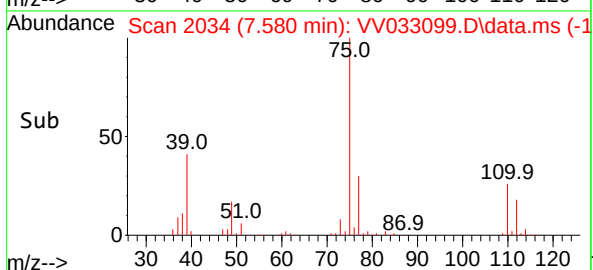
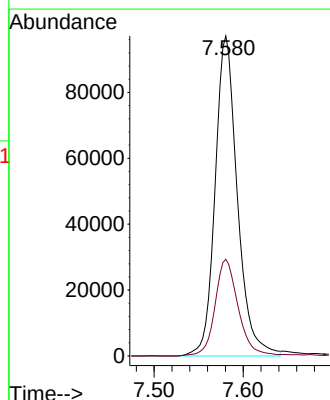
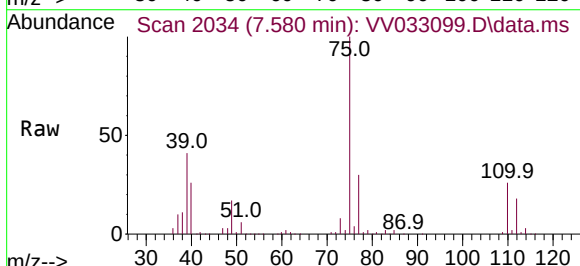
Acq: 04 Dec 2023 16:12

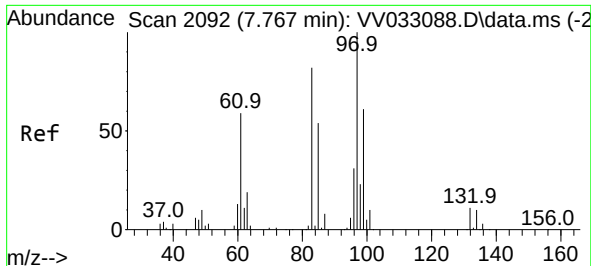
Tgt Ion: 75 Resp: 168710

Ion Ratio Lower Upper

75 100

77 30.2 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 52.859 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 108835

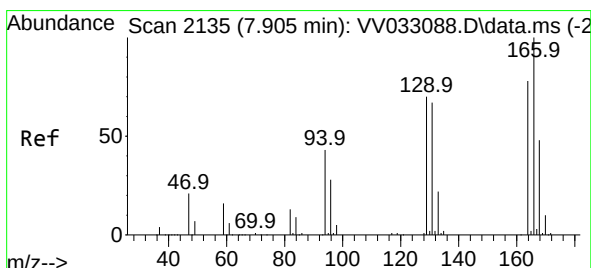
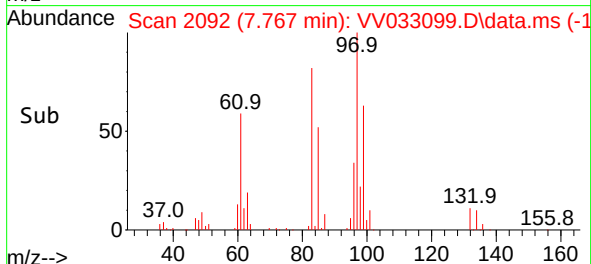
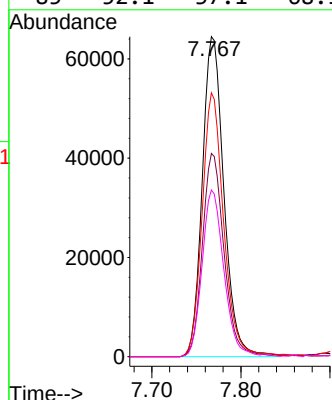
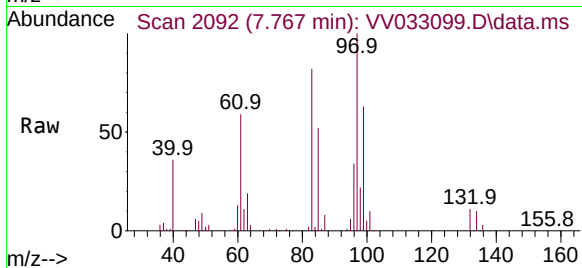
Ion Ratio Lower Upper

97 100

99 63.5 43.2 80.2

83 82.5 55.8 103.6

85 52.1 37.1 68.9



#46

Tetrachloroethene

Concen: 47.183 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Tgt Ion:164 Resp: 92977

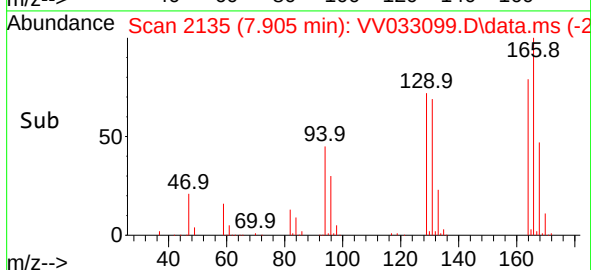
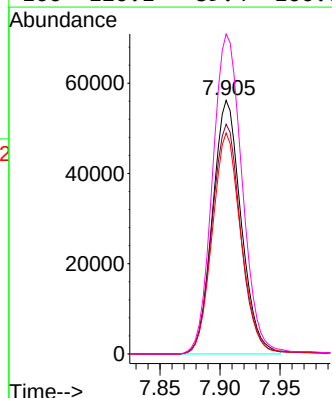
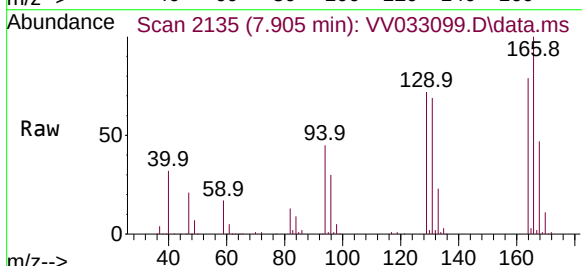
Ion Ratio Lower Upper

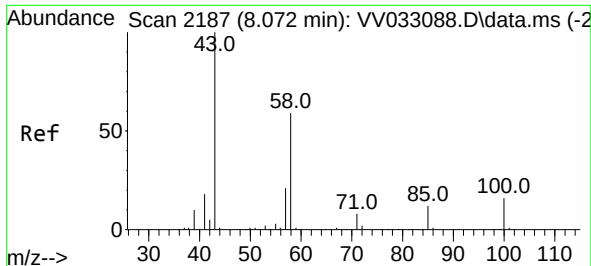
164 100

129 90.6 65.6 121.8

131 87.1 64.7 120.1

166 126.1 89.4 166.0

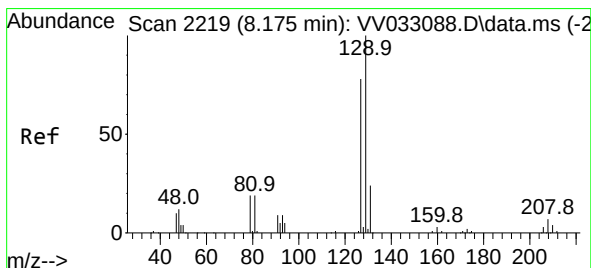
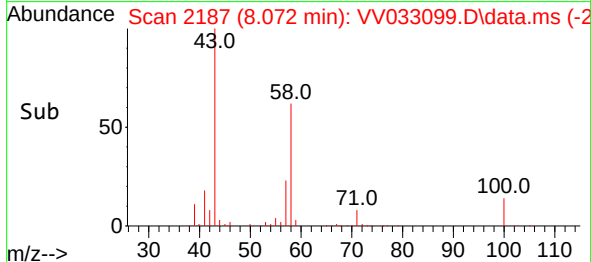
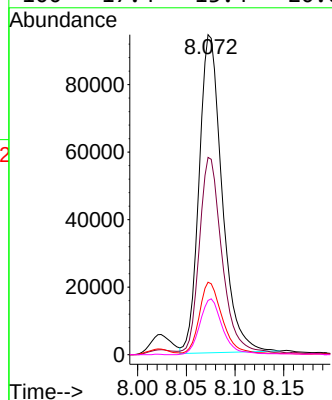
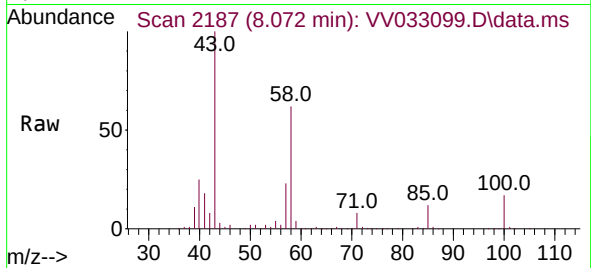




#48
2-Hexanone
Concen: 98.843 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

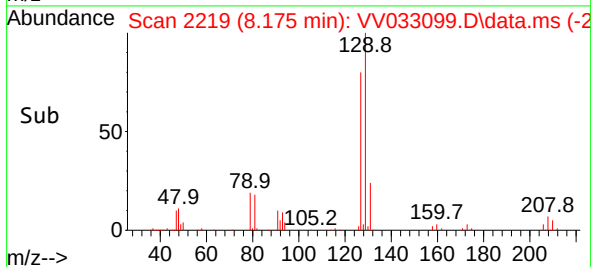
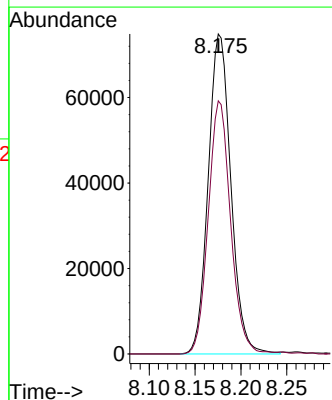
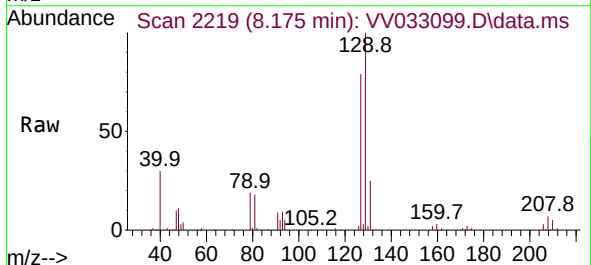
Instrument :
MSVOA_V
ClientSampleId :

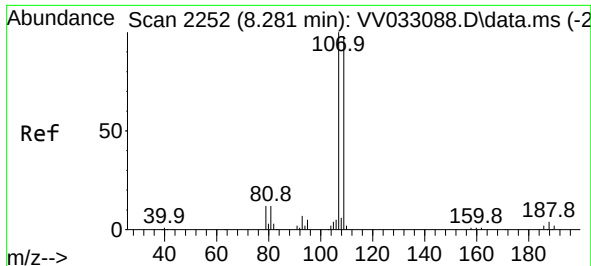
Tgt Ion:	43	Resp:	154513
Ion	Ratio	Lower	Upper
43	100		
58	61.5	47.9	71.9
57	23.3	17.4	26.0
100	17.4	13.4	20.0



#49
Dibromochloromethane
Concen: 52.365 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion:	129	Resp:	128708
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.1	100.5

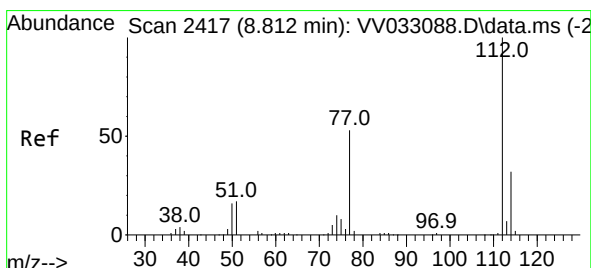
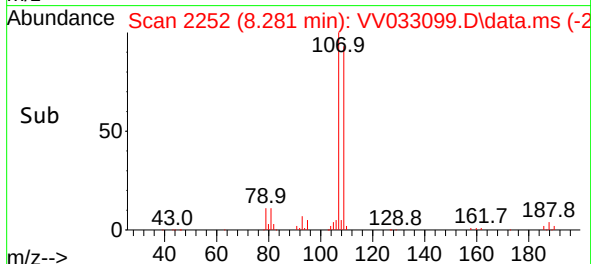
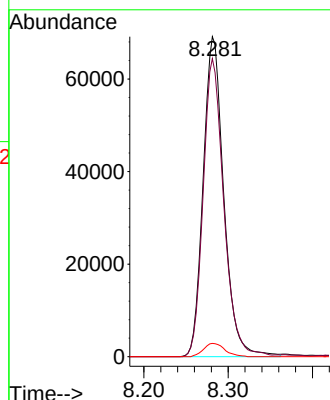
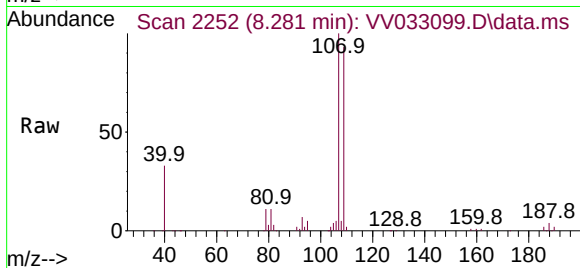




#50
1,2-Dibromoethane
Concen: 53.718 ug/L
RT: 8.281 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

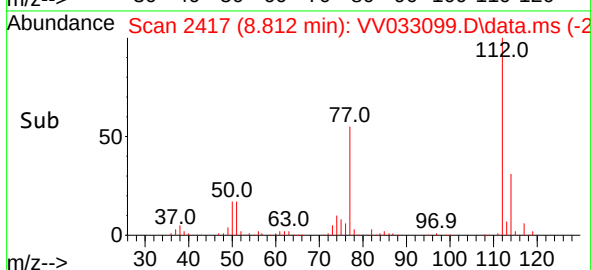
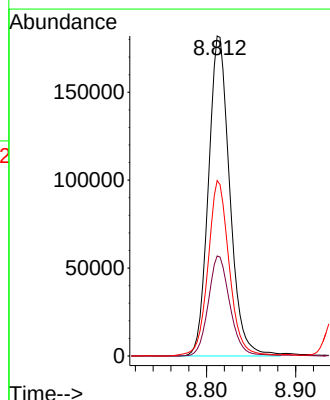
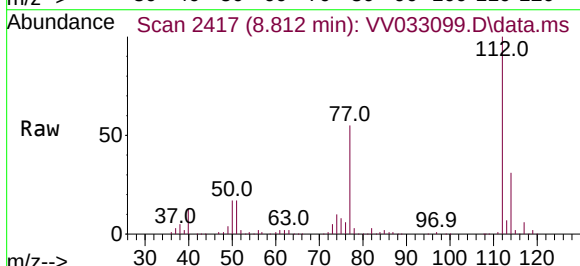
Instrument :
MSVOA_V
ClientSampleId :

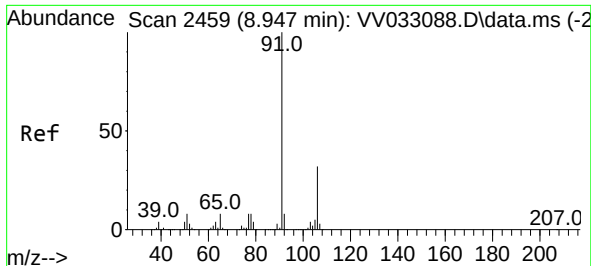
Tgt Ion:107 Resp: 117918
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.2
188 4.4 3.8 5.6



#51
Chlorobenzene
Concen: 49.724 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion:112 Resp: 302333
Ion Ratio Lower Upper
112 100
114 31.3 22.9 42.5
77 54.8 42.6 64.0

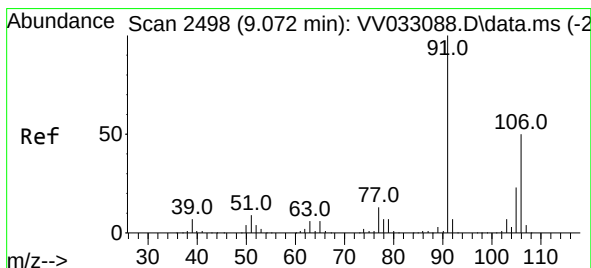
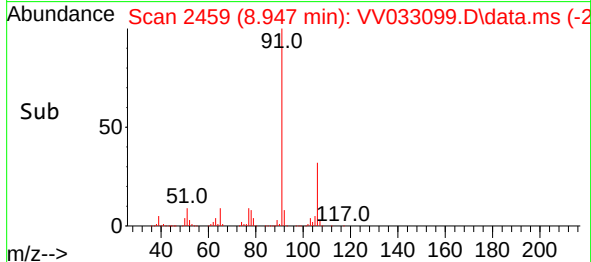
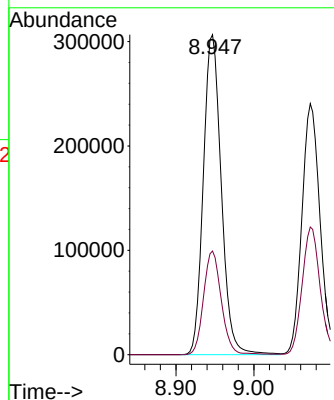
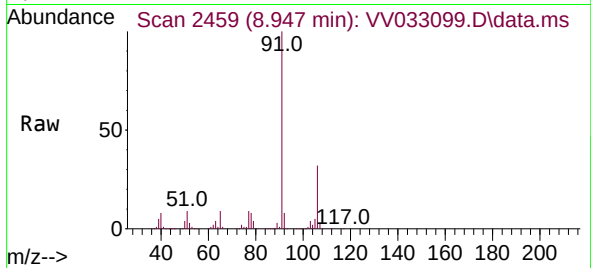




#52
Ethylbenzene
Concen: 49.312 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

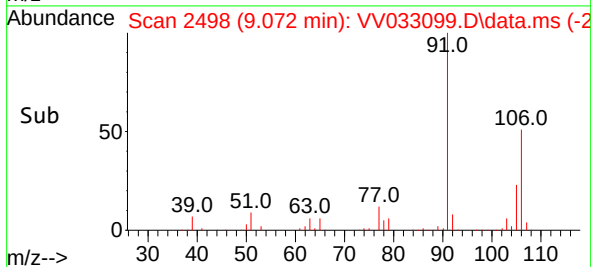
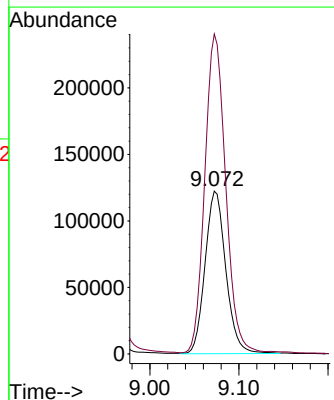
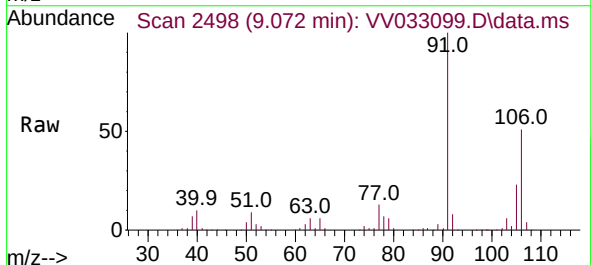
Instrument :
MSVOA_V
ClientSampleId :

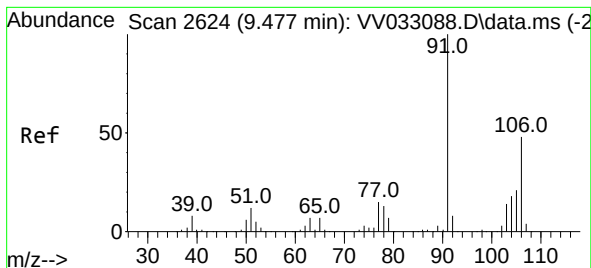
Tgt Ion: 91 Resp: 490772
Ion Ratio Lower Upper
91 100
106 32.4 22.6 42.0



#53
m,p-Xylene
Concen: 50.240 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 106 Resp: 198010
Ion Ratio Lower Upper
106 100
91 196.4 145.2 269.6





#54

o-Xylene

Concen: 48.958 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

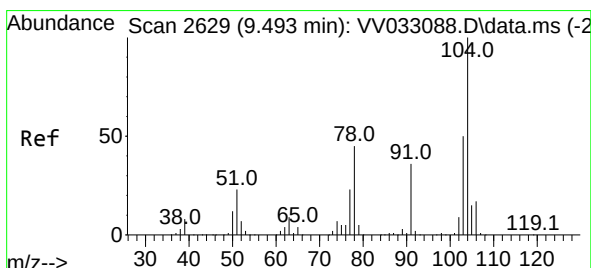
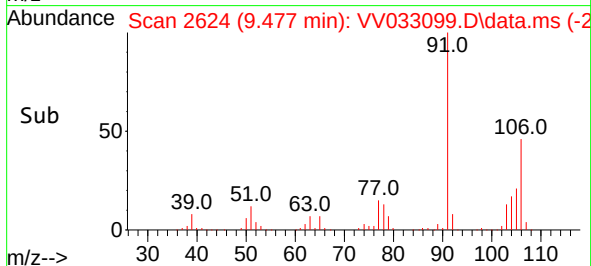
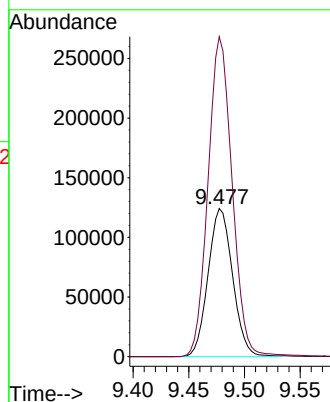
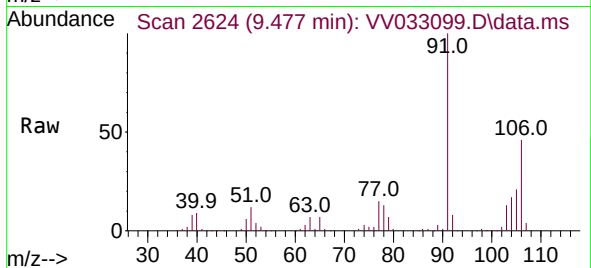
ClientSampleId :

Tgt Ion:106 Resp: 190404

Ion Ratio Lower Upper

106 100

91 216.1 147.8 274.6



#55

Styrene

Concen: 51.311 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.003 min

Lab File: VV033099.D

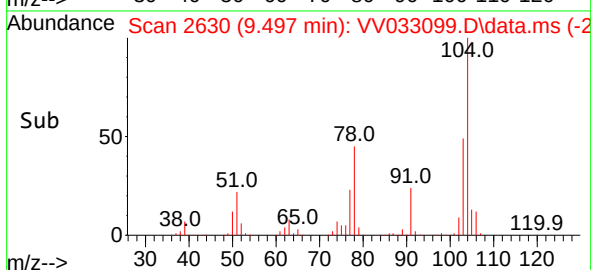
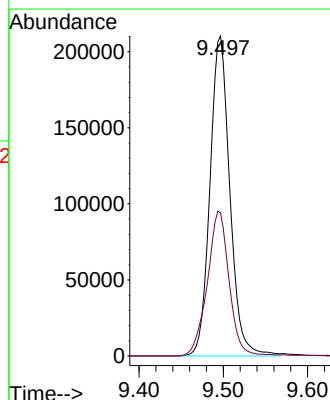
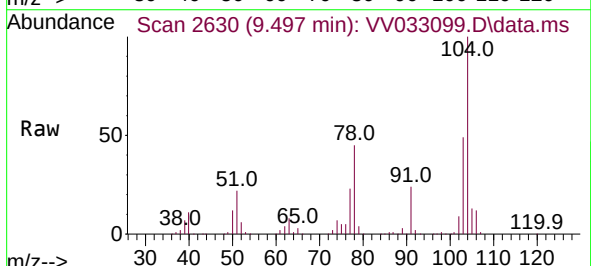
Acq: 04 Dec 2023 16:12

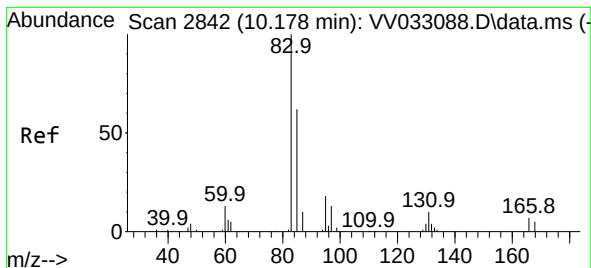
Tgt Ion:104 Resp: 345216

Ion Ratio Lower Upper

104 100

78 44.7 30.2 56.0





#57

1,1,2,2-Tetrachloroethane

Concen: 56.127 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

ClientSampleId :

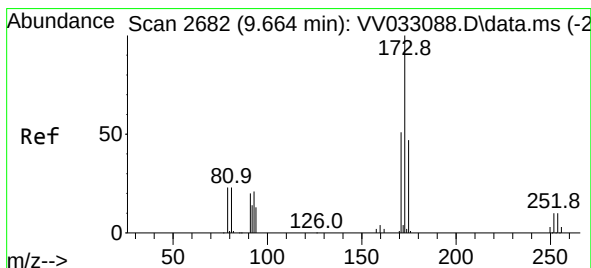
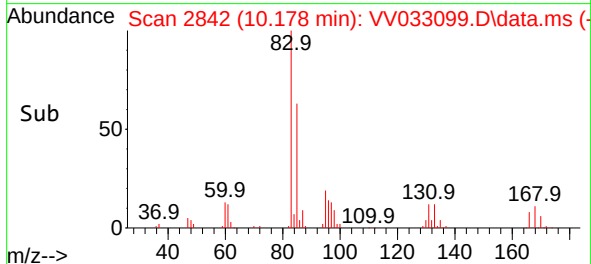
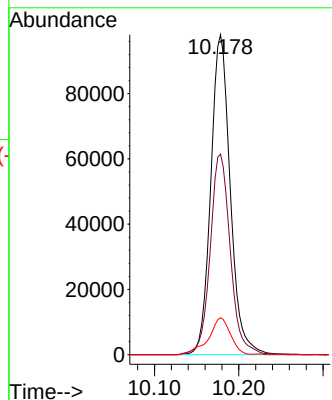
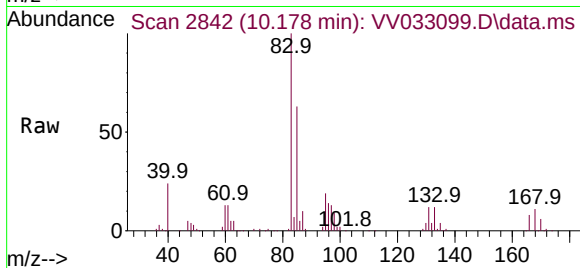
Tgt Ion: 83 Resp: 157890

Ion Ratio Lower Upper

83 100

85 62.7 45.5 84.5

131 11.5 9.7 14.5



#59

Bromoform

Concen: 54.564 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

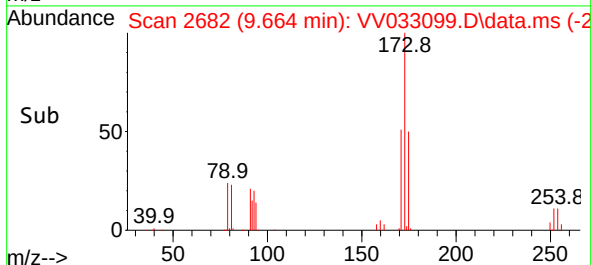
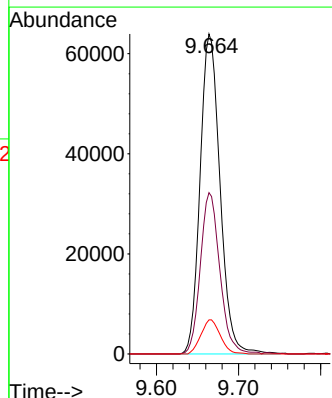
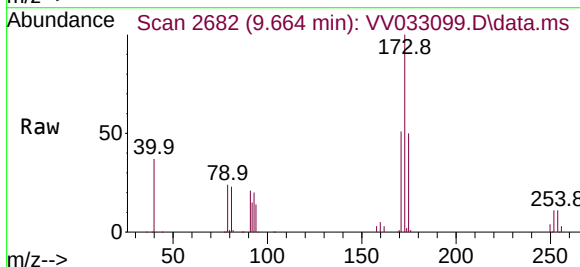
Tgt Ion: 173 Resp: 107896

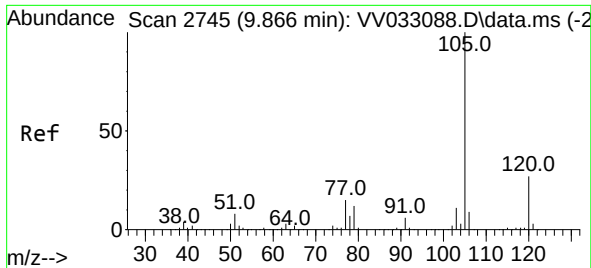
Ion Ratio Lower Upper

173 100

175 49.0 38.7 58.1

254 10.4 8.0 12.0

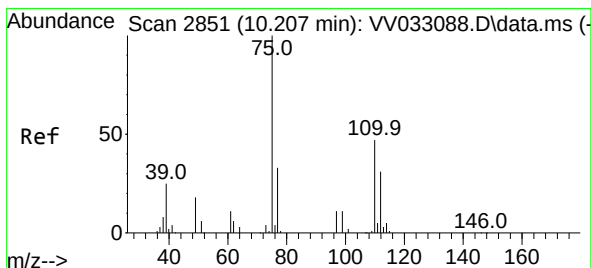
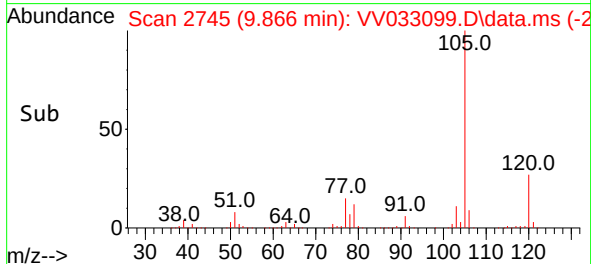
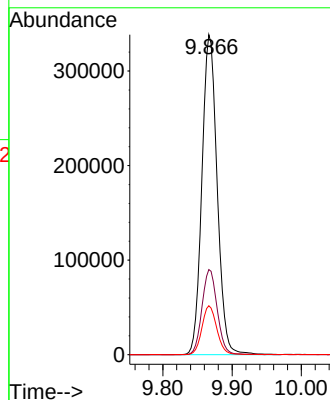
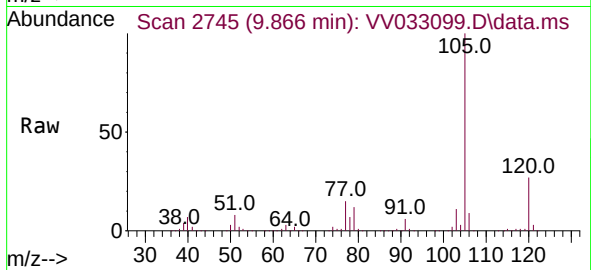




#60
Isopropylbenzene
Concen: 49.224 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

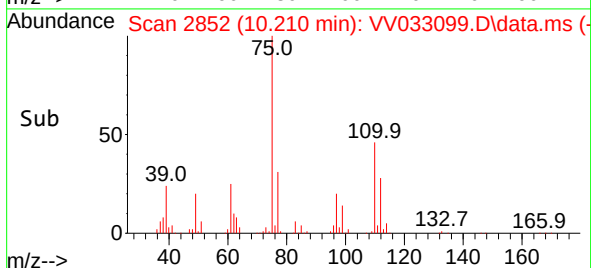
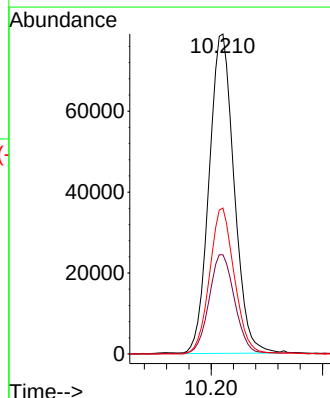
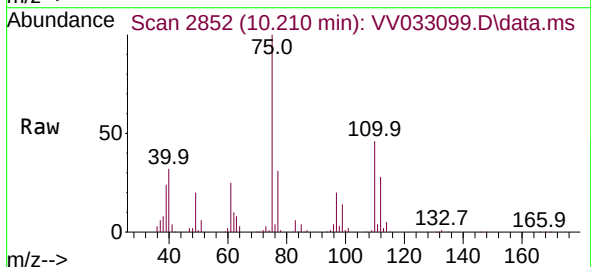
Instrument :
MSVOA_V
ClientSampleId :

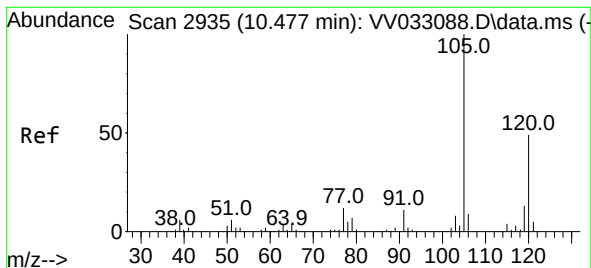
Tgt Ion:105 Resp: 517107
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 14.8 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 54.161 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion: 75 Resp: 123047
Ion Ratio Lower Upper
75 100
77 32.0 27.0 40.6
110 45.4 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 49.457 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

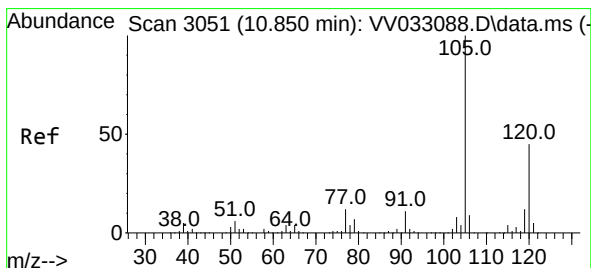
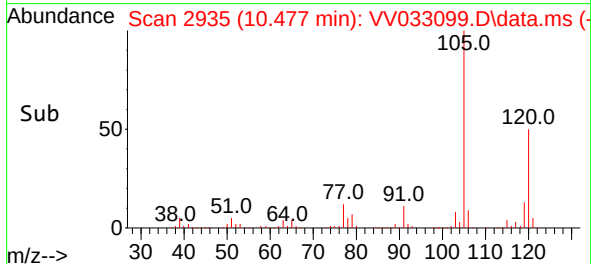
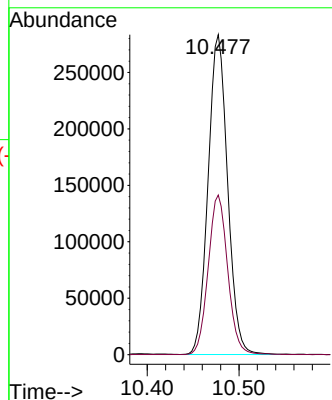
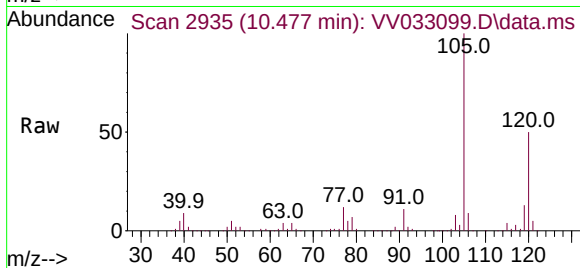
ClientSampleId :

Tgt Ion:105 Resp: 418601

Ion Ratio Lower Upper

105 100

120 50.0 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 49.732 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033099.D

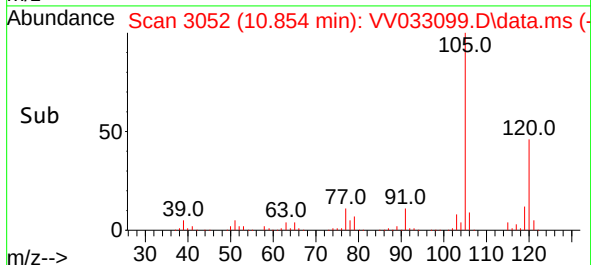
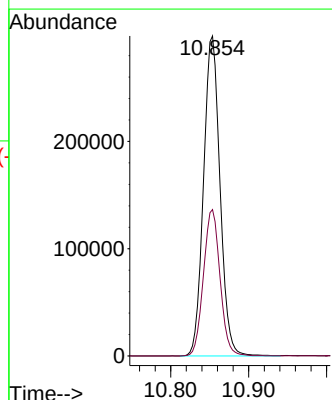
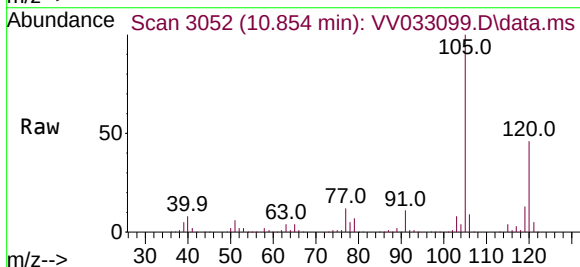
Acq: 04 Dec 2023 16:12

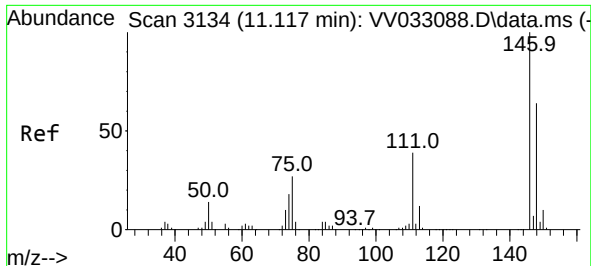
Tgt Ion:105 Resp: 438372

Ion Ratio Lower Upper

105 100

120 46.1 36.7 55.1

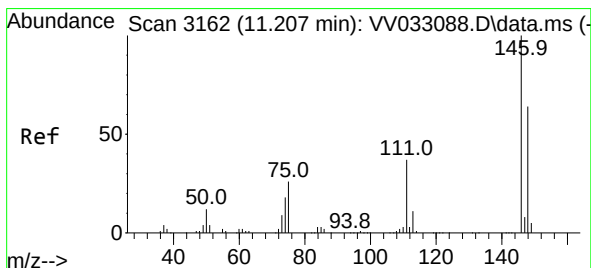
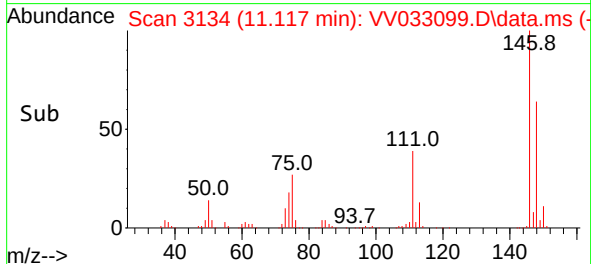
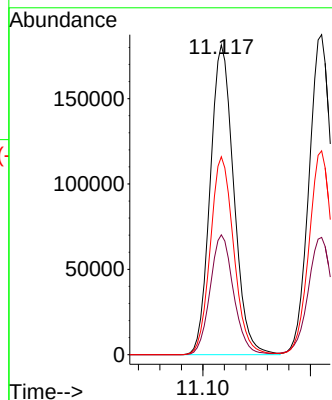
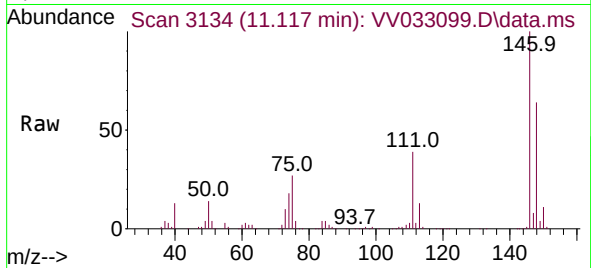




#64
1,3-Dichlorobenzene
Concen: 49.273 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

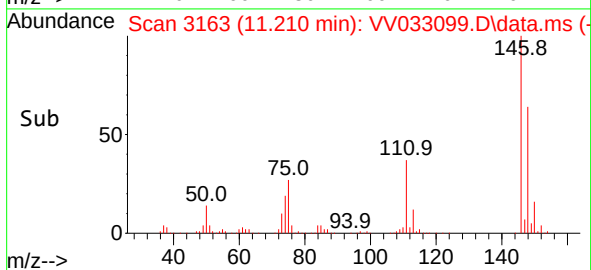
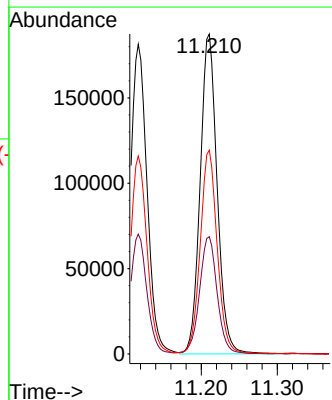
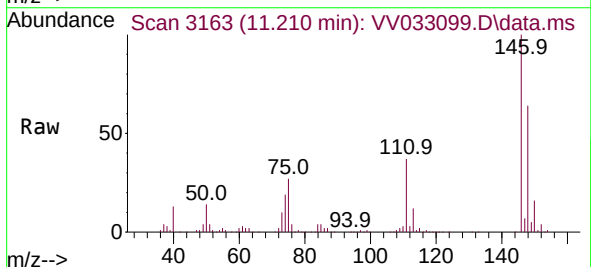
Instrument :
MSVOA_V
ClientSampleId :

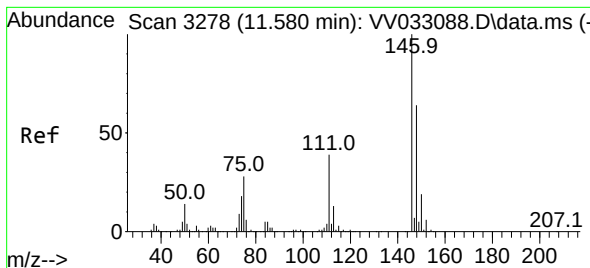
Tgt Ion:146 Resp: 276537
Ion Ratio Lower Upper
146 100
111 38.7 26.2 48.6
148 63.9 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 49.830 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033099.D
Acq: 04 Dec 2023 16:12

Tgt Ion:146 Resp: 290510
Ion Ratio Lower Upper
146 100
111 36.6 25.9 48.1
148 63.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 50.171 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

ClientSampleId :

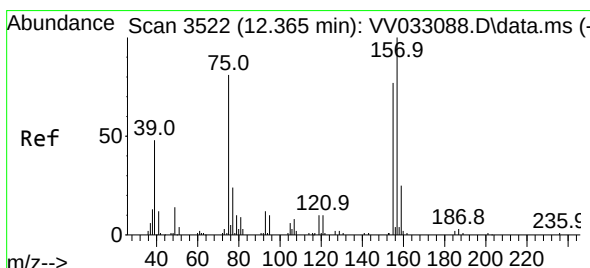
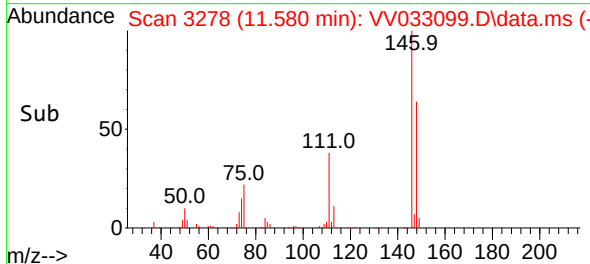
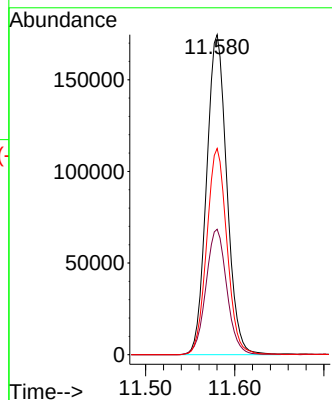
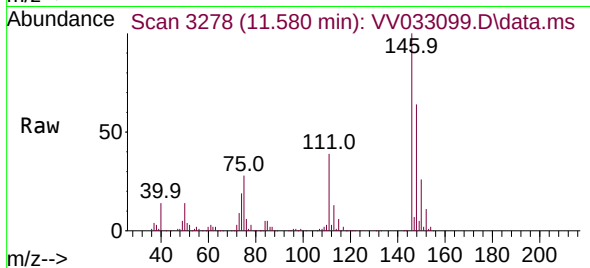
Tgt Ion:146 Resp: 276046

Ion Ratio Lower Upper

146 100

111 39.2 32.4 48.6

148 64.4 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.479 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

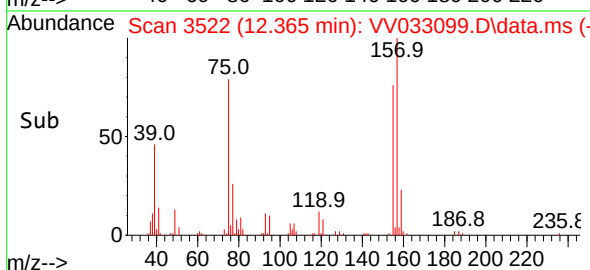
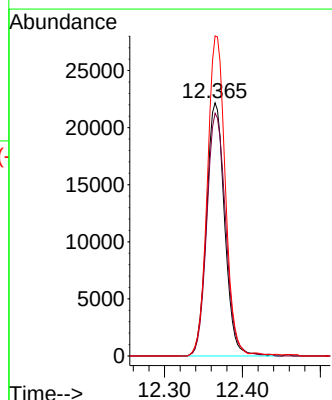
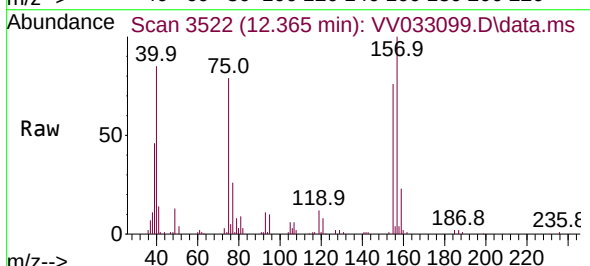
Tgt Ion: 75 Resp: 35886

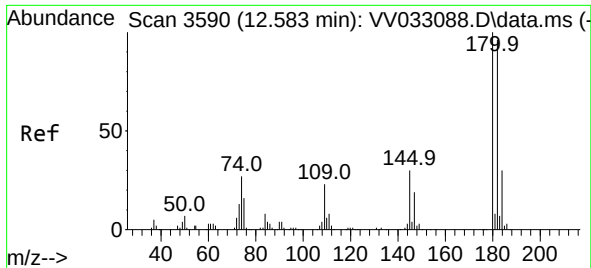
Ion Ratio Lower Upper

75 100

155 95.9 75.8 113.6

157 126.4 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 47.105 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 211765

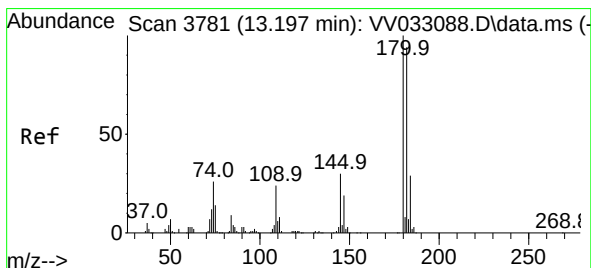
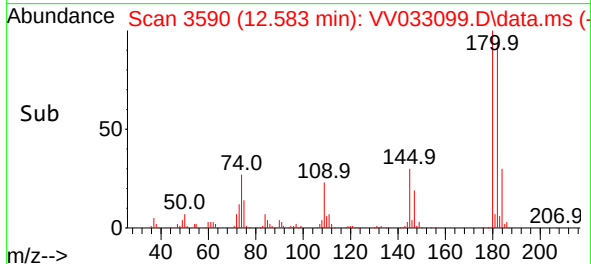
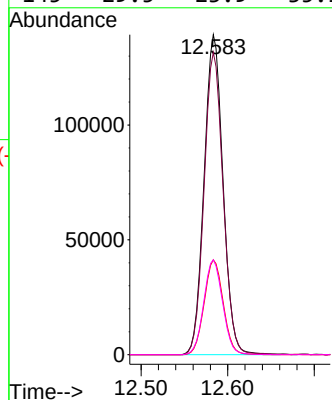
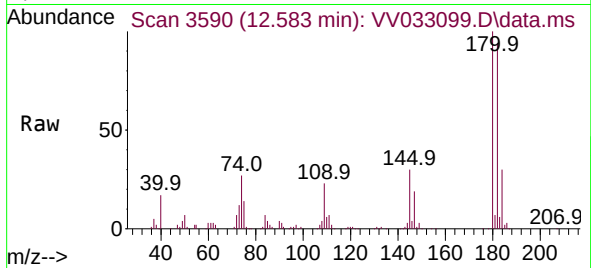
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

184 29.7 24.2 36.4

145 29.5 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 51.944 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

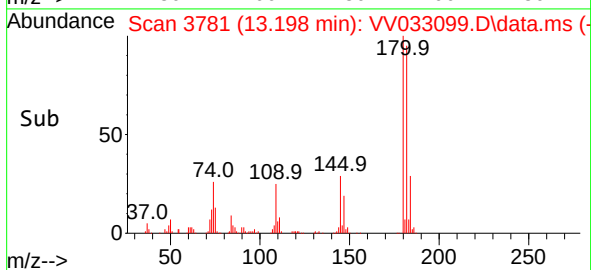
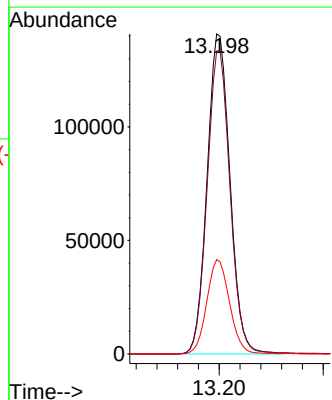
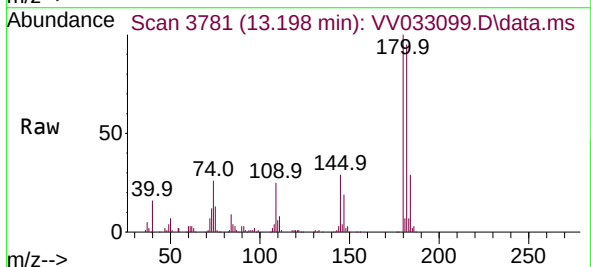
Tgt Ion:180 Resp: 215744

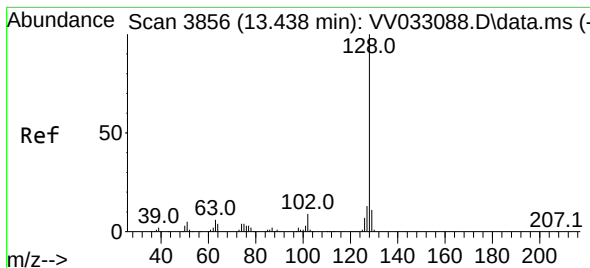
Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 29.3 23.4 35.0





#71

Naphthalene

Concen: 51.396 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Instrument :

MSVOA_V

ClientSampleId :

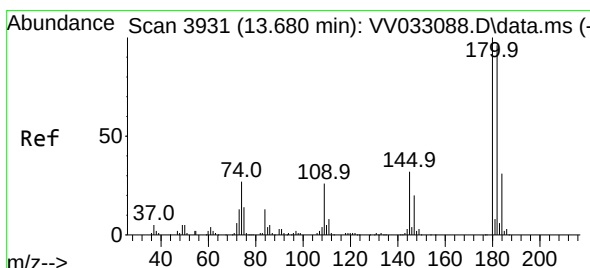
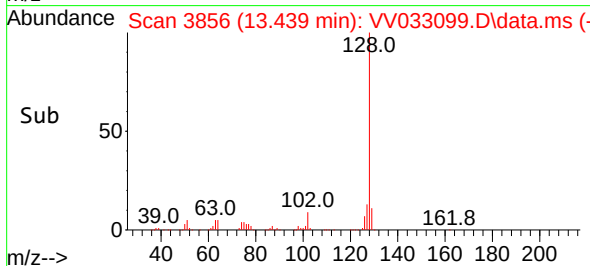
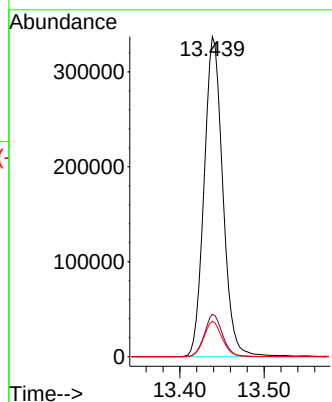
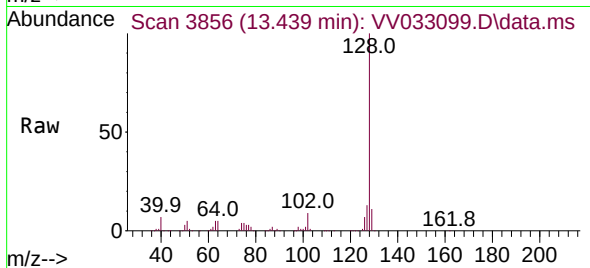
Tgt Ion:128 Resp: 520587

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.288 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV033099.D

Acq: 04 Dec 2023 16:12

Tgt Ion:180 Resp: 205546

Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

145 31.3 24.9 37.3

