

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092023\
 Data File : VV032152.D
 Acq On : 20 Sep 2023 17:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 21 01:40:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 21 01:37:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	253738	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	247749	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	133900	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	74015	46.609	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.220%
7) Chloroethane-d5	1.529	69	61903	44.469	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.940%
11) 1,1-Dichloroethene-d2	2.060	65	31232	42.002	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.000%
21) 2-Butanone-d5	3.790	46	117963	94.450	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.450%
24) Chloroform-d	4.253	84	142975	41.192	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.380%
26) 1,2-Dichloroethane-d4	4.944	65	86529	37.566	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.140%
32) Benzene-d6	4.963	84	284246	42.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.100%
36) 1,2-Dichloropropane-d6	5.992	67	91626	42.109	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.220%
41) Toluene-d8	7.246	98	261707	42.014	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.020%
43) trans-1,3-Dichloroprop...	7.555	79	43655	38.708	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.420%
47) 2-Hexanone-d5	8.027	63	78660	117.946	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.950%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	127013	45.171	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.340%
66) 1,2-Dichlorobenzene-d4	11.564	152	102247	41.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	58200	37.677	ug/L	98
3) Chloromethane	1.217	50	66358	42.128	ug/L	99
5) Vinyl chloride	1.282	62	69288	41.190	ug/L	97
6) Bromomethane	1.484	94	42206	42.613	ug/L	99
8) Chloroethane	1.548	64	48515	43.397	ug/L	97
9) Trichlorofluoromethane	1.712	101	106558	43.456	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	67782	45.782	ug/L	98
12) 1,1-Dichloroethene	2.069	96	57451	43.201	ug/L	95
13) Acetone	2.111	43	104328	93.851	ug/L	98
14) Carbon disulfide	2.240	76	110199	36.367	ug/L	100
15) Methyl Acetate	2.375	43	105569	53.249	ug/L	99
16) Methylene chloride	2.449	84	83165	48.665	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	65325	44.806	ug/L	90
18) Methyl tert-butyl Ether	2.706	73	288313	46.791	ug/L	97
19) 1,1-Dichloroethane	3.114	63	157302	48.144	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	86873	47.494	ug/L	94
22) 2-Butanone	3.870	43	150558	102.355	ug/L	97
23) Bromochloromethane	4.150	128	43653	49.191	ug/L	98
25) Chloroform	4.278	83	159464	46.941	ug/L	97

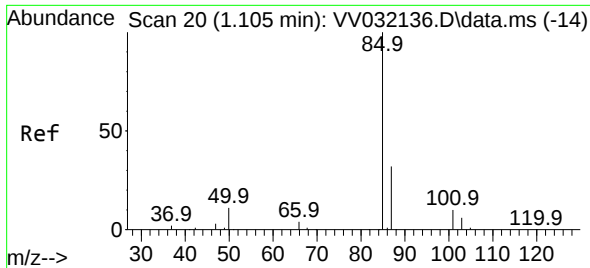
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 QLast Update : Thu Sep 21 01:37:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	116379	43.485	ug/L	96
29) Cyclohexane	4.587	56	107956	41.851	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	130338	45.102	ug/L	99
31) Carbon tetrachloride	4.738	117	105733	43.089	ug/L	98
33) Benzene	5.011	78	312749	46.982	ug/L	100
34) Trichloroethene	5.838	95	86550	42.513	ug/L	97
35) Methylcyclohexane	6.053	83	107512	39.703	ug/L	97
37) 1,2-Dichloropropane	6.095	63	94187	49.918	ug/L	100
38) Bromodichloromethane	6.436	83	124965	46.660	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	150548	45.892	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	312407	104.317	ug/L	99
42) Toluene	7.320	91	340956	46.562	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	137579	43.649	ug/L	97
45) 1,1,2-Trichloroethane	7.770	97	96177	50.453	ug/L	98
46) Tetrachloroethene	7.908	164	58047	45.408	ug/L	98
48) 2-Hexanone	8.079	43	235841	103.121	ug/L	99
49) Dibromochloromethane	8.178	129	93904	47.938	ug/L	99
50) 1,2-Dibromoethane	8.285	107	96506	48.335	ug/L	99
51) Chlorobenzene	8.818	112	233374	47.963	ug/L	97
52) Ethylbenzene	8.950	91	393403	45.354	ug/L	100
53) m,p-Xylene	9.075	106	144818	44.966	ug/L	96
54) o-Xylene	9.481	106	148677	46.416	ug/L	100
55) Styrene	9.500	104	264150	46.648	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.182	83	154487	57.249	ug/L	99
59) Bromoform	9.667	173	67230	48.419	ug/L	98
60) Isopropylbenzene	9.870	105	407685	45.458	ug/L	99
61) 1,2,3-Trichloropropane	10.211	75	124122	49.065	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	333278	44.171	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	334958	44.130	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	191720	47.700	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	194406	47.567	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	194493	48.833	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	33392	43.944	ug/L	86
69) 1,3,5-Trichlorobenzene	12.587	180	140076	47.806	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	134601	47.857	ug/L	99
71) Naphthalene	13.442	128	420396	46.784	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	136725	50.732	ug/L	98

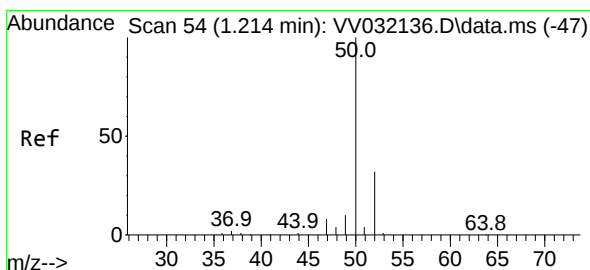
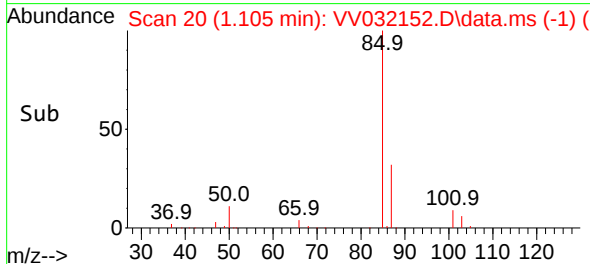
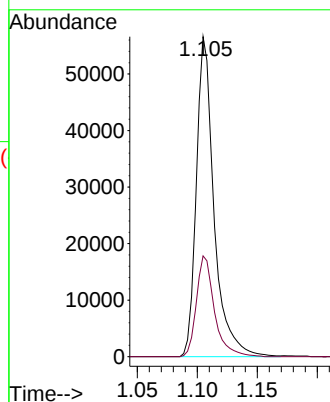
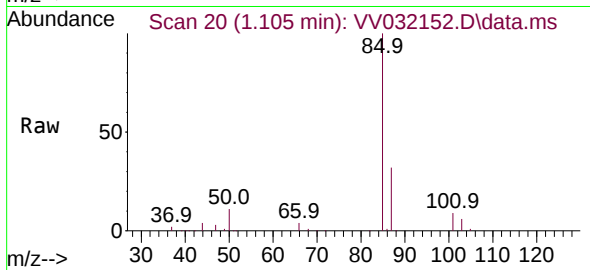
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#2
 Dichlorodifluoromethane
 Concen: 37.677 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032152.D
 Acq: 20 Sep 2023 17:28

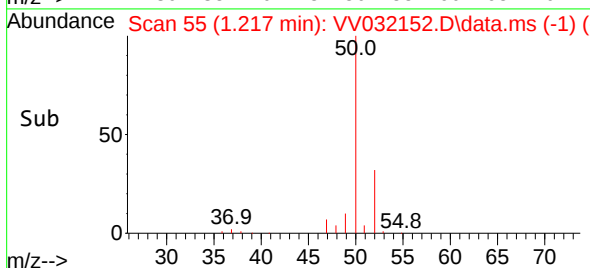
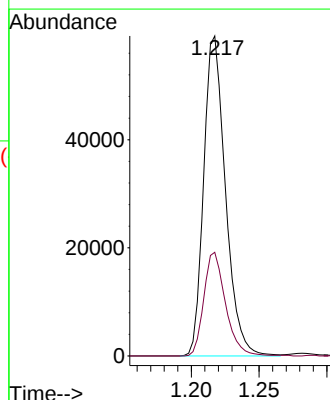
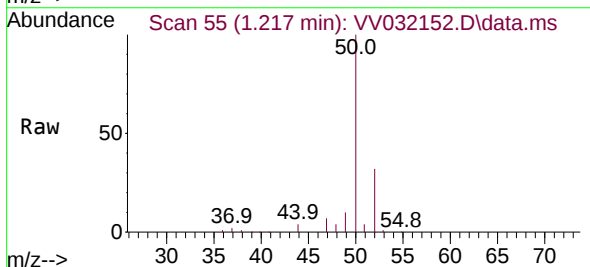
Instrument :
 MSVOA_V
 ClientSampleId :

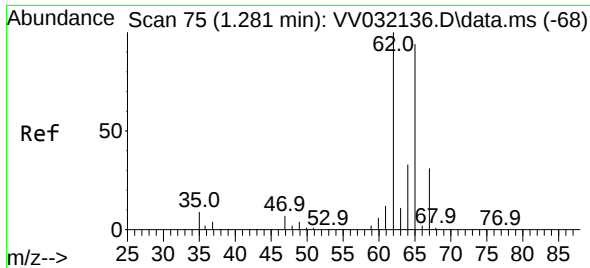
Tgt Ion: 85 Resp: 58200
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.8 40.2



#3
 Chloromethane
 Concen: 42.128 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032152.D
 Acq: 20 Sep 2023 17:28

Tgt Ion: 50 Resp: 66358
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.0 42.6

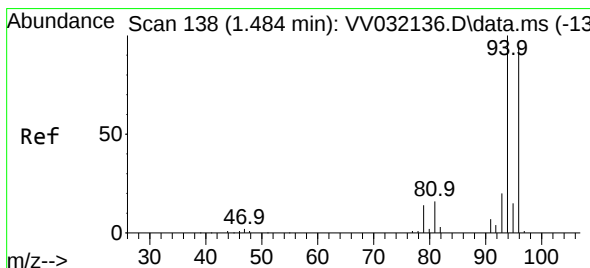
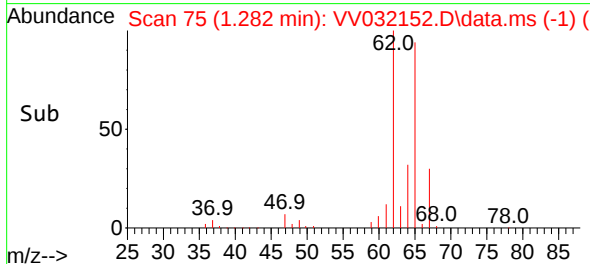
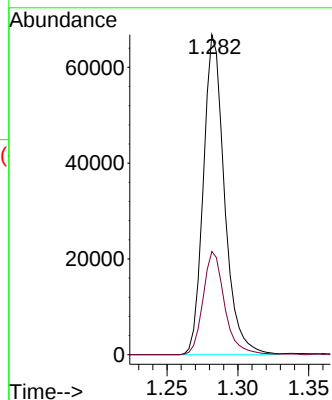
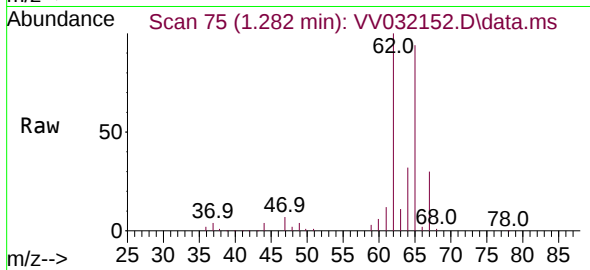




#5
 Vinyl chloride
 Concen: 41.190 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032152.D
 Acq: 20 Sep 2023 17:28

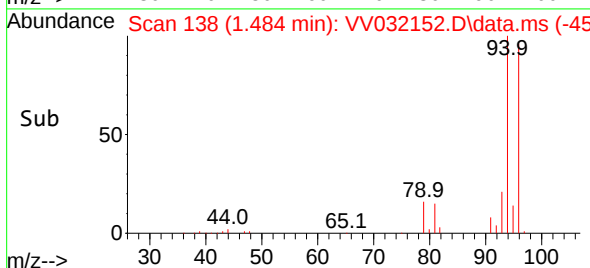
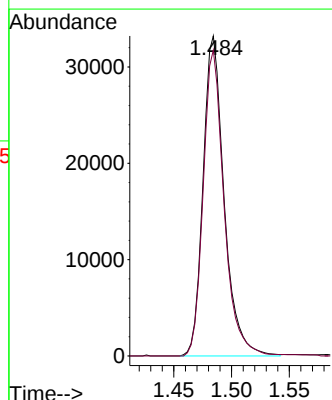
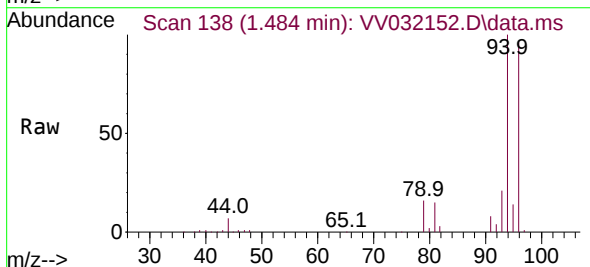
Instrument :
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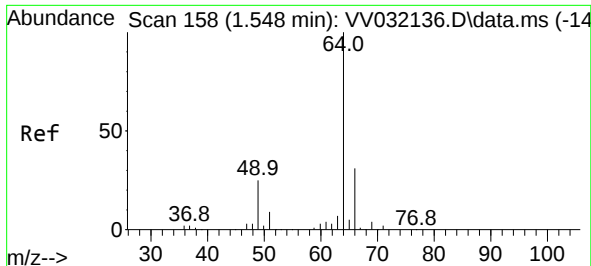
Tgt Ion: 62 Resp: 69288
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.6 43.8



#6
 Bromomethane
 Concen: 42.613 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032152.D
 Acq: 20 Sep 2023 17:28

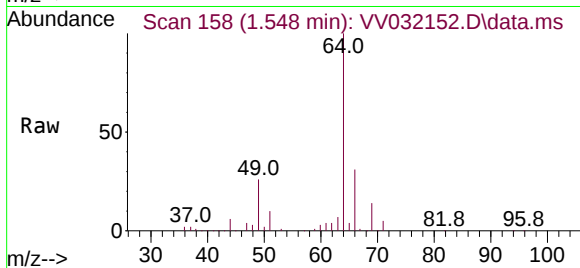
Tgt Ion: 94 Resp: 42206
 Ion Ratio Lower Upper
 94 100
 96 95.6 66.4 123.4



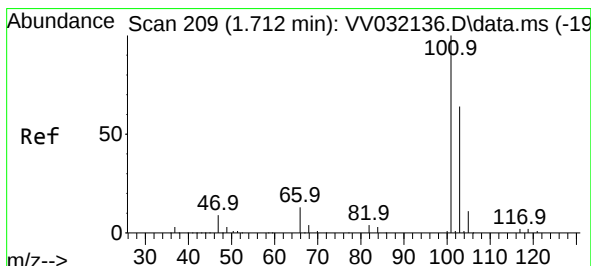
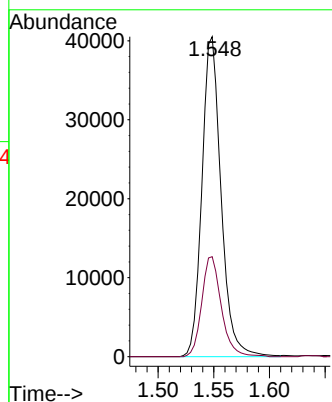
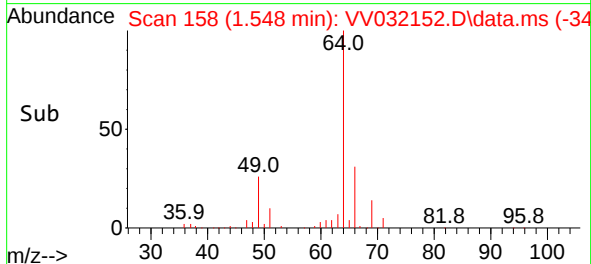


#8
Chloroethane
Concen: 43.397 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Instrument :
MSVOA_V
ClientSampleId :

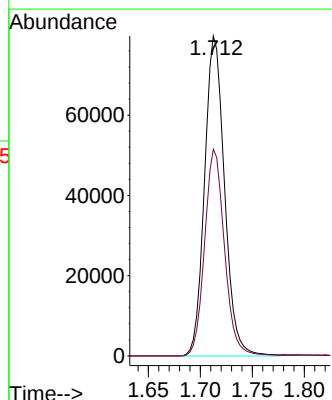
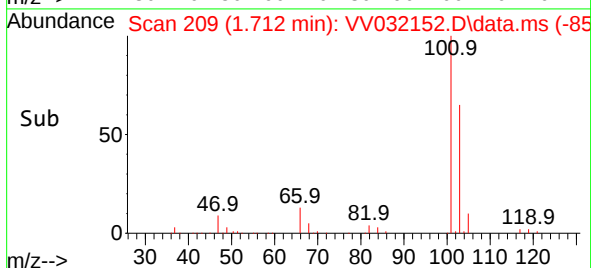
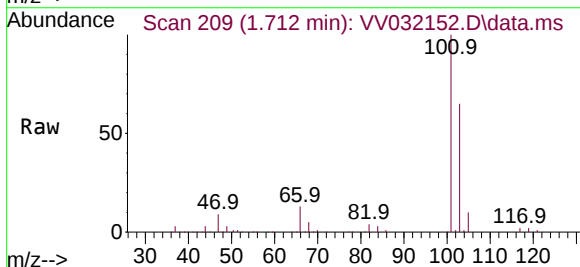


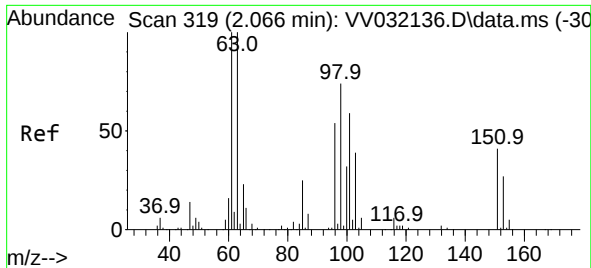
Tgt Ion: 64 Resp: 48515
Ion Ratio Lower Upper
64 100
66 31.3 23.2 43.2



#9
Trichlorofluoromethane
Concen: 43.456 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion:101 Resp: 106558
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9

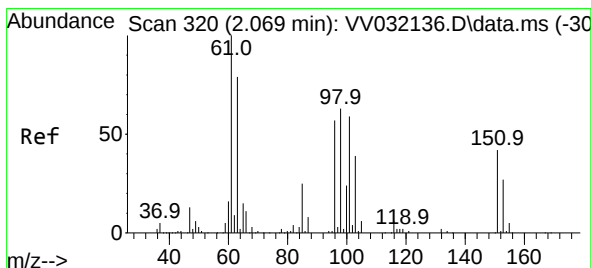
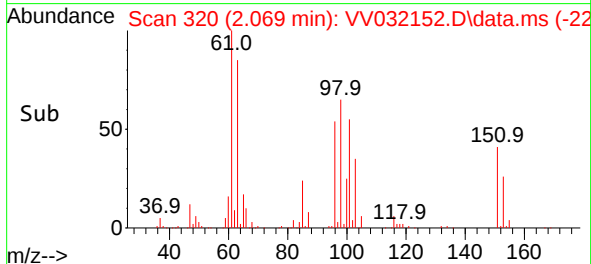
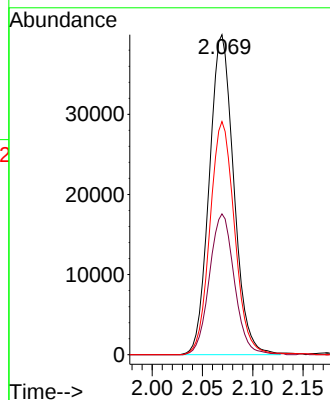
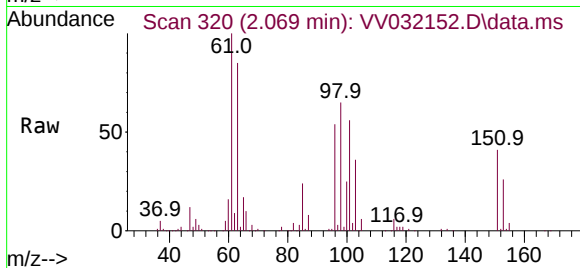




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.782 ug/L
 RT: 2.069 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV032152.D
 Acq: 20 Sep 2023 17:28

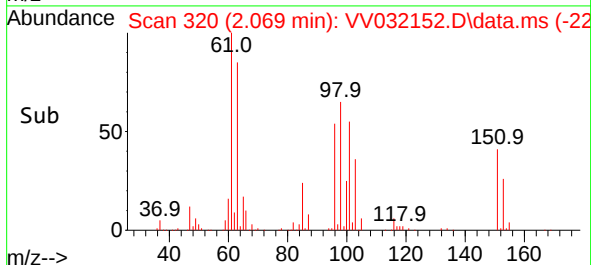
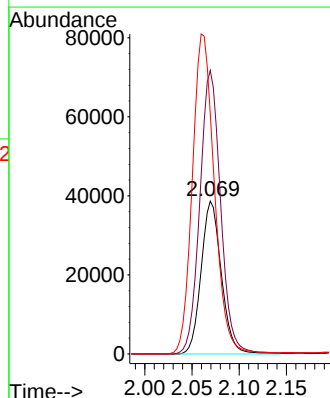
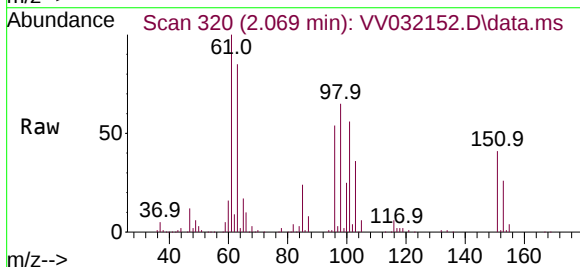
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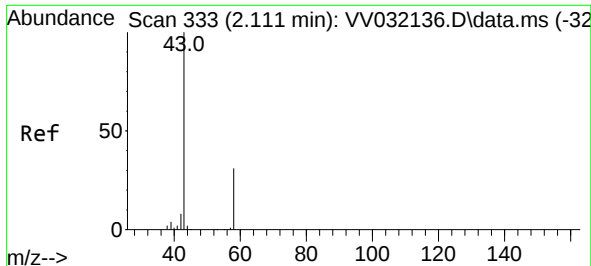
Tgt Ion:101 Resp: 67782
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.8 53.8
 151 73.2 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 43.201 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032152.D
 Acq: 20 Sep 2023 17:28

Tgt Ion: 96 Resp: 57451
 Ion Ratio Lower Upper
 96 100
 61 185.6 133.8 248.6
 63 157.2 115.2 214.0





#13

Acetone

Concen: 93.851 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

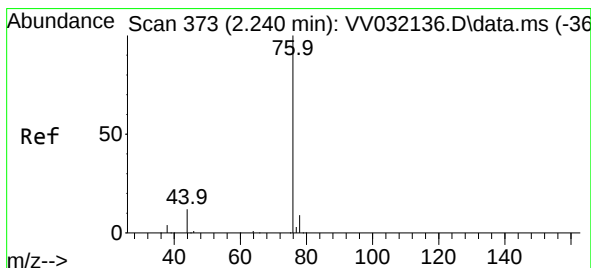
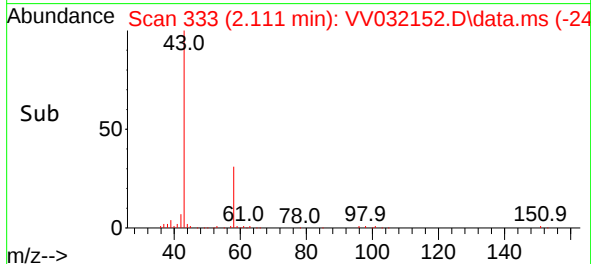
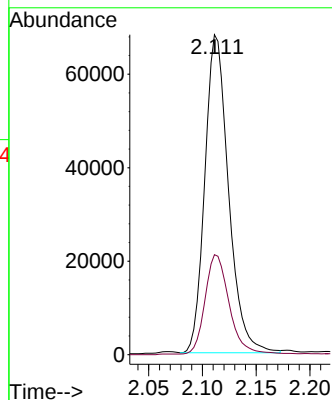
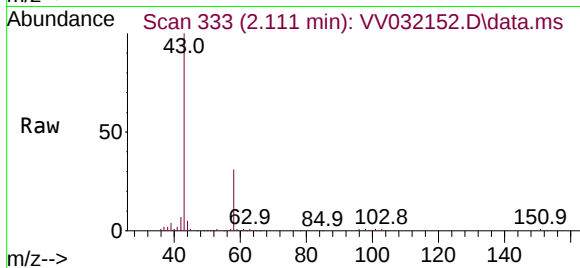
ClientSampleId :

Tgt Ion: 43 Resp: 104328

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.0



#14

Carbon disulfide

Concen: 36.367 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032152.D

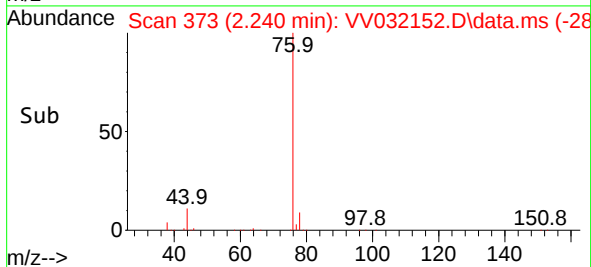
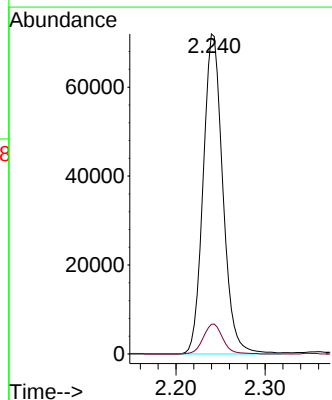
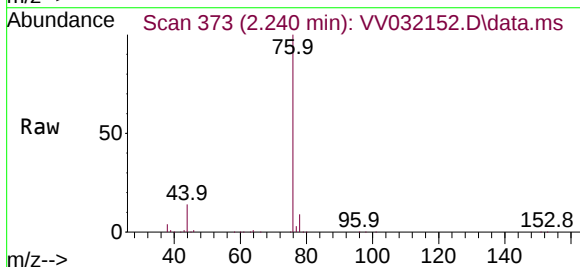
Acq: 20 Sep 2023 17:28

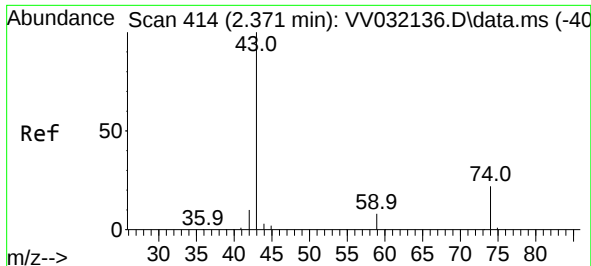
Tgt Ion: 76 Resp: 110199

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

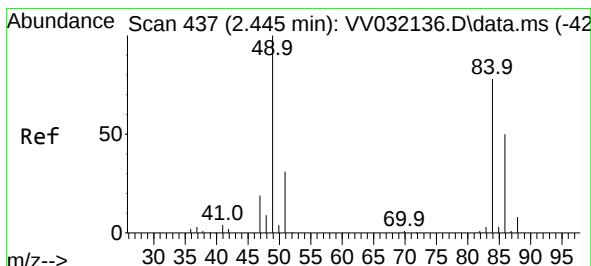
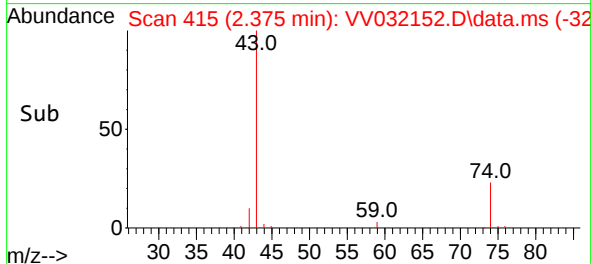
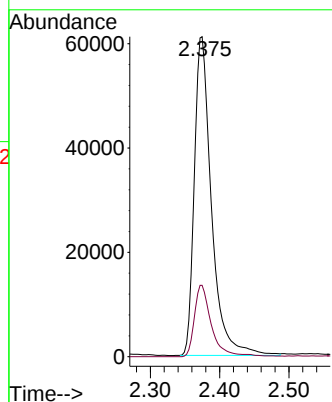
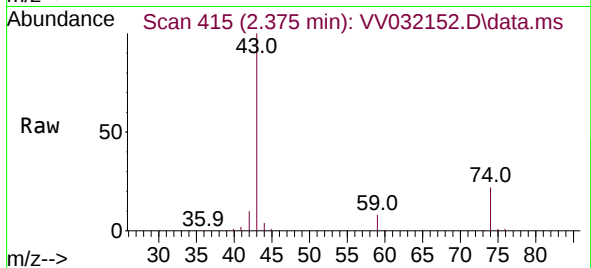




#15
Methyl Acetate
Concen: 53.249 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

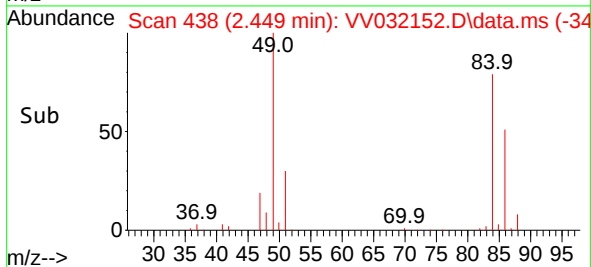
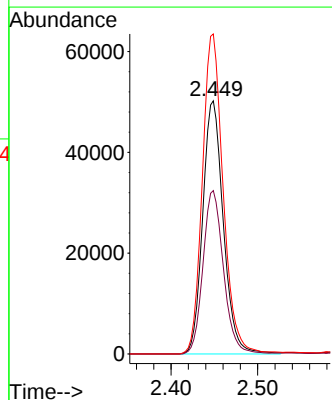
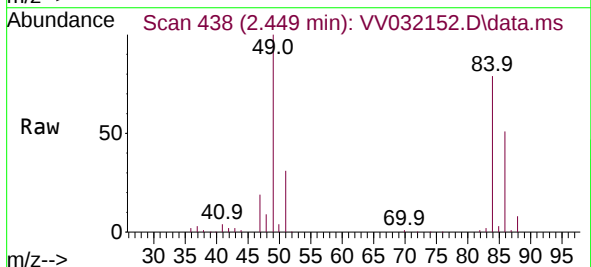
Instrument :
MSVOA_V
ClientSampleId :

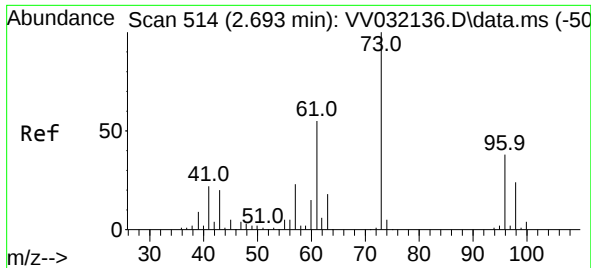
Tgt Ion: 43 Resp: 105569
Ion Ratio Lower Upper
43 100
74 21.8 17.9 26.9



#16
Methylene chloride
Concen: 48.665 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion: 84 Resp: 83165
Ion Ratio Lower Upper
84 100
86 64.5 44.6 82.8
49 126.4 91.6 170.2

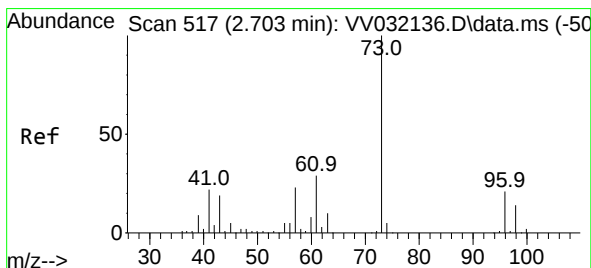
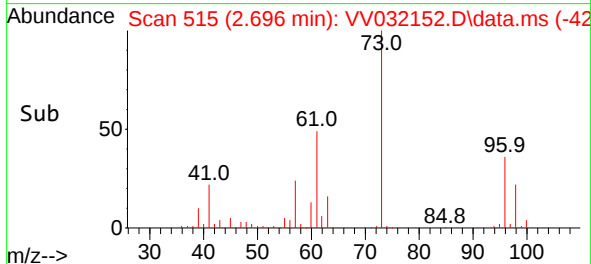
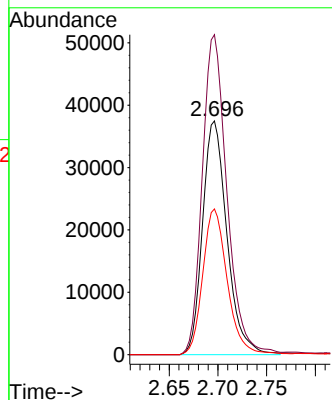
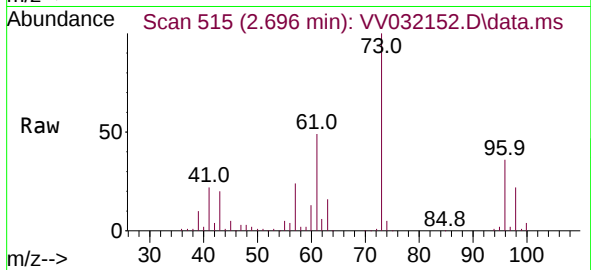




#17
trans-1,2-Dichloroethene
Concen: 44.806 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

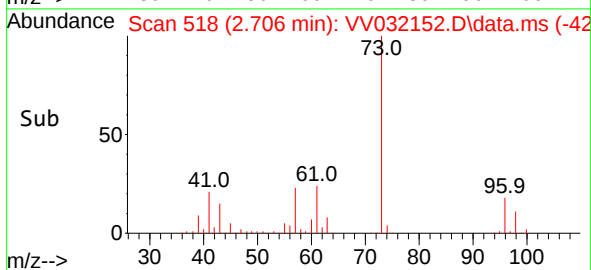
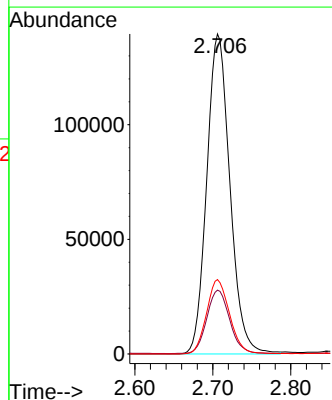
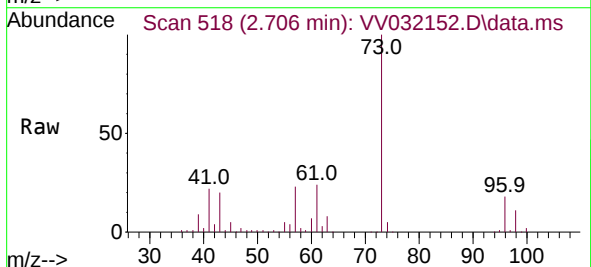
Instrument :
MSVOA_V
ClientSampleId :

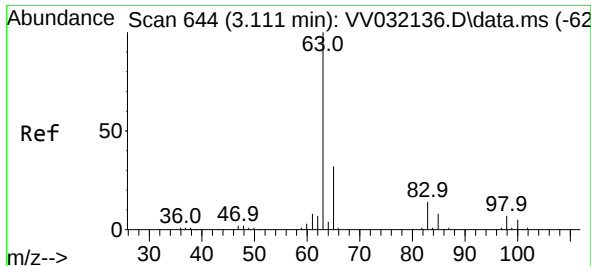
Tgt Ion: 96 Resp: 65325
Ion Ratio Lower Upper
96 100
61 136.9 107.3 199.3
98 62.4 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 46.791 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion: 73 Resp: 288313
Ion Ratio Lower Upper
73 100
43 19.5 16.6 25.0
57 23.2 17.6 26.4





#19

1,1-Dichloroethane

Concen: 48.144 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

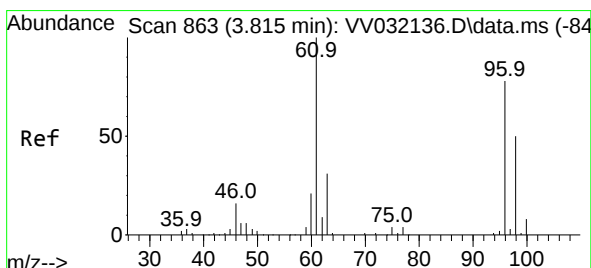
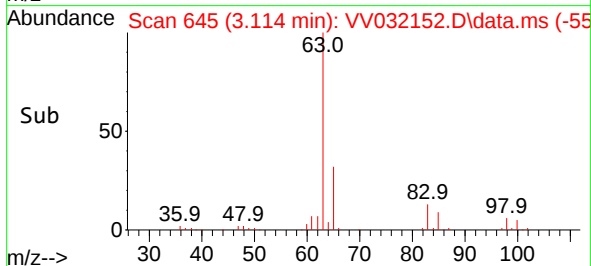
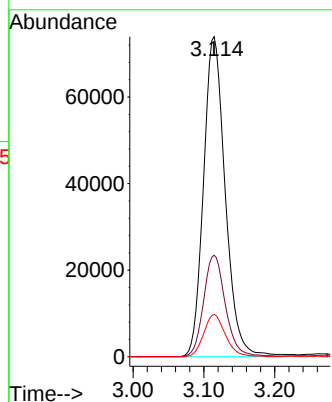
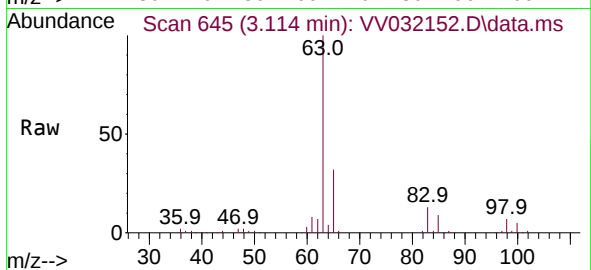
Tgt Ion: 63 Resp: 157302

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

83 13.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 47.494 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

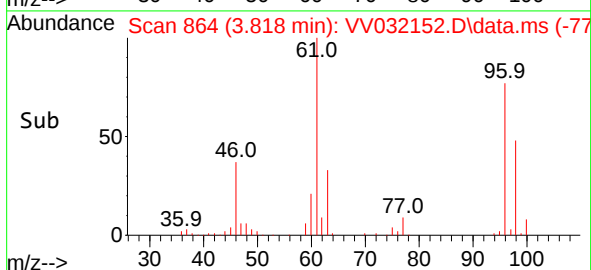
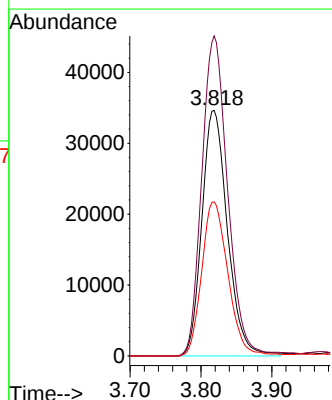
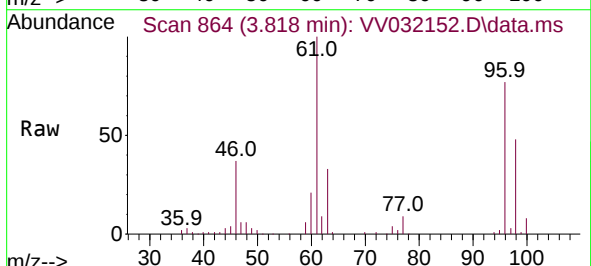
Tgt Ion: 96 Resp: 86873

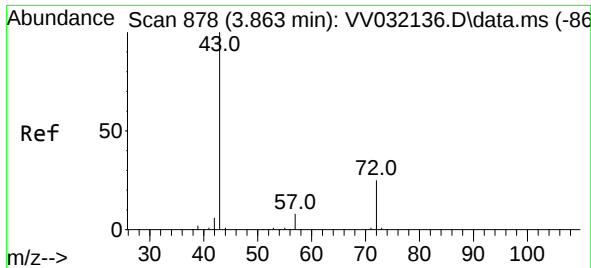
Ion Ratio Lower Upper

96 100

61 130.3 97.3 180.7

98 62.7 45.3 84.1

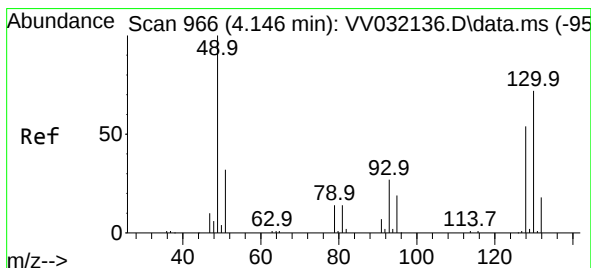
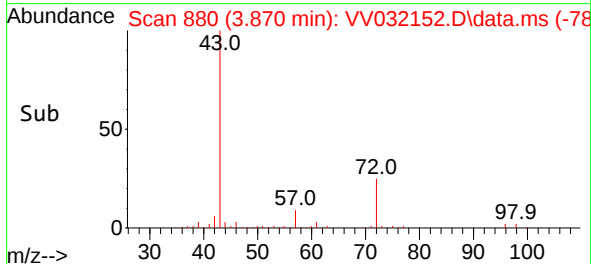
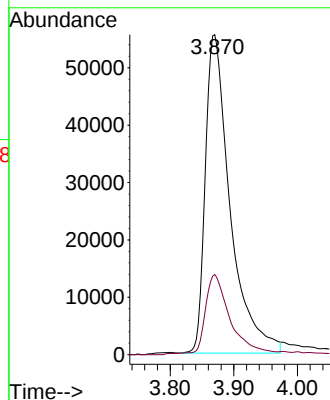
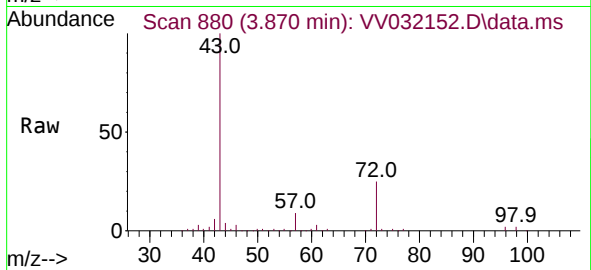




#22
2-Butanone
Concen: 102.355 ug/L
RT: 3.870 min Scan# 878
Delta R.T. 0.007 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

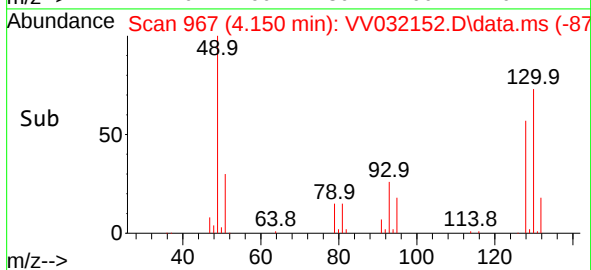
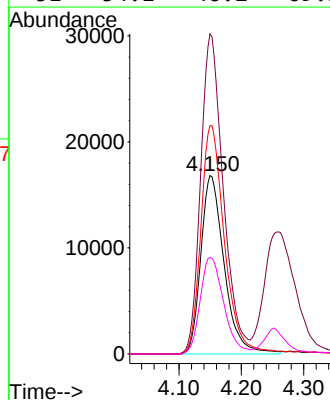
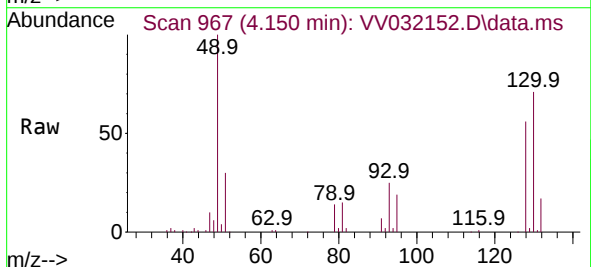
Instrument :
MSVOA_V
ClientSampleId :

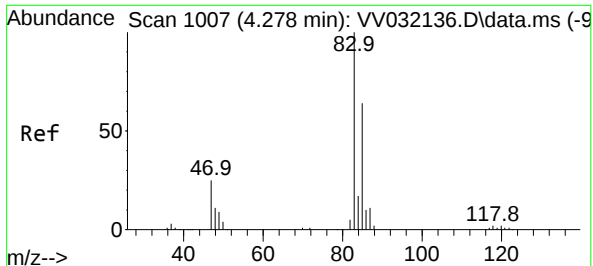
Tgt Ion: 43 Resp: 150558
Ion Ratio Lower Upper
43 100
72 23.8 12.6 37.8



#23
Bromochloromethane
Concen: 49.191 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion:128 Resp: 43653
Ion Ratio Lower Upper
128 100
49 179.3 127.8 237.4
130 127.9 90.1 167.3
51 54.1 46.2 69.2





#25

Chloroform

Concen: 46.941 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

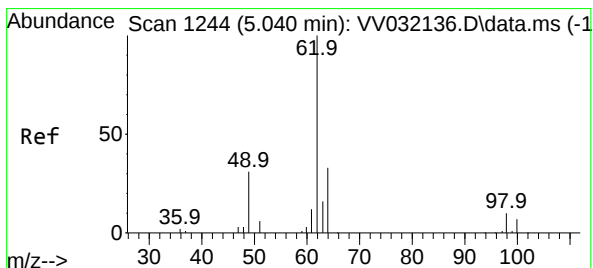
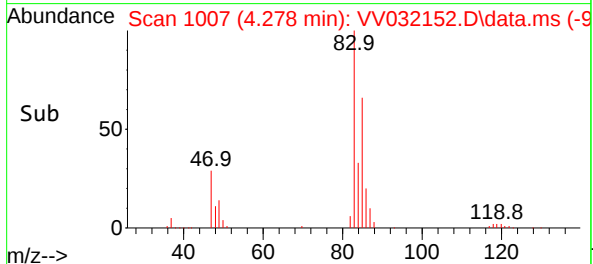
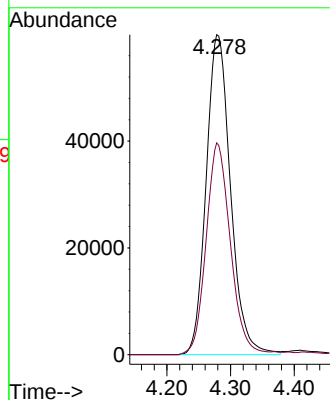
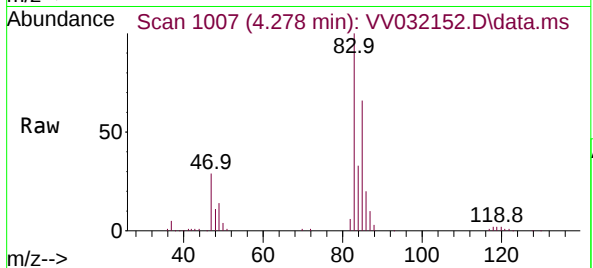
ClientSampleId :

Tgt Ion: 83 Resp: 159464

Ion Ratio Lower Upper

83 100

85 66.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 43.485 ug/L

RT: 5.044 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032152.D

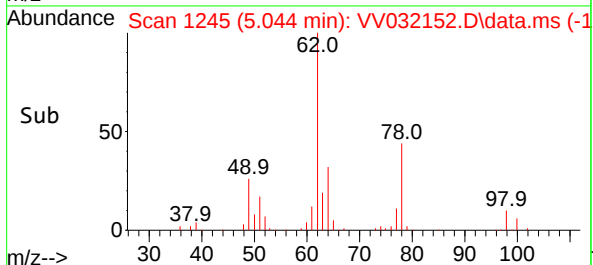
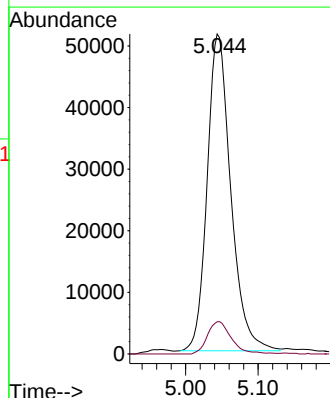
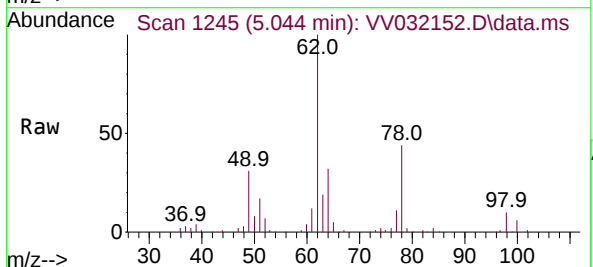
Acq: 20 Sep 2023 17:28

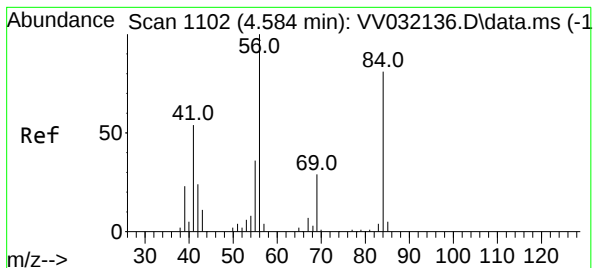
Tgt Ion: 62 Resp: 116379

Ion Ratio Lower Upper

62 100

98 10.0 7.0 10.4





#29

Cyclohexane

Concen: 41.851 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

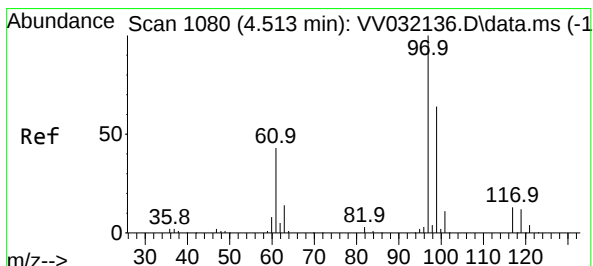
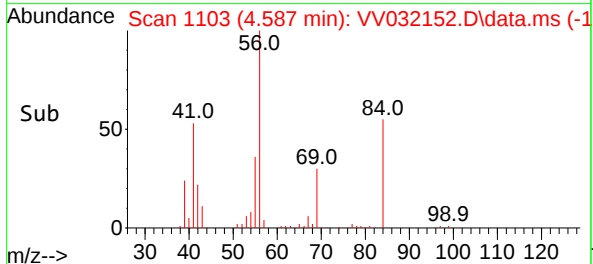
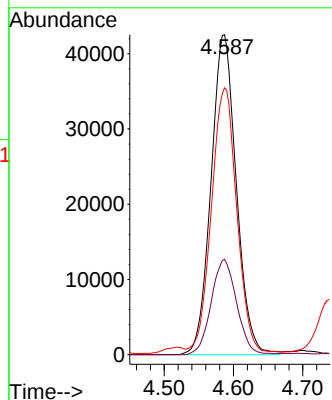
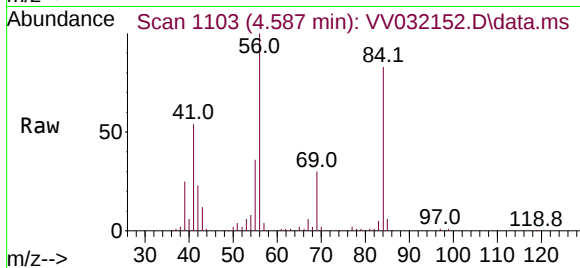
Tgt Ion: 56 Resp: 107956

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.4

84 81.9 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 45.102 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

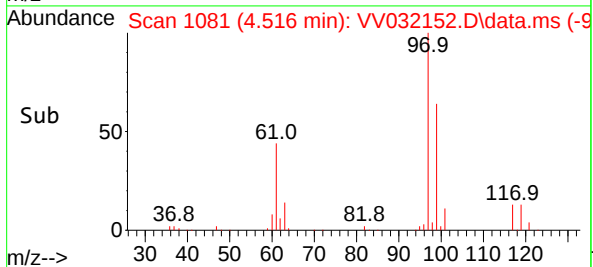
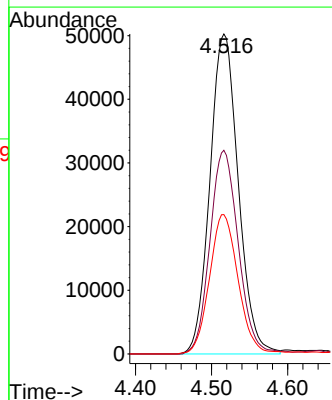
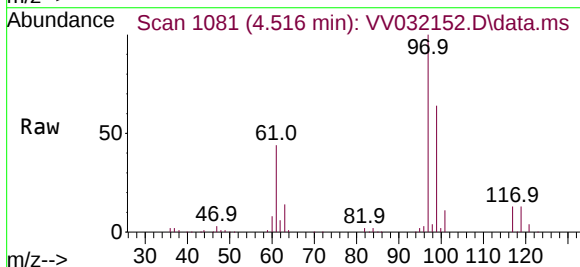
Tgt Ion: 97 Resp: 130338

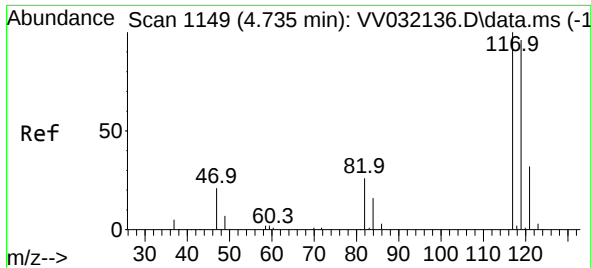
Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

61 44.0 36.5 54.7

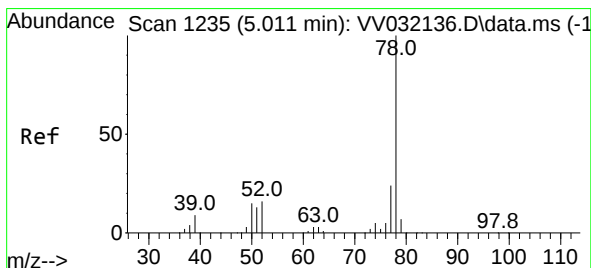
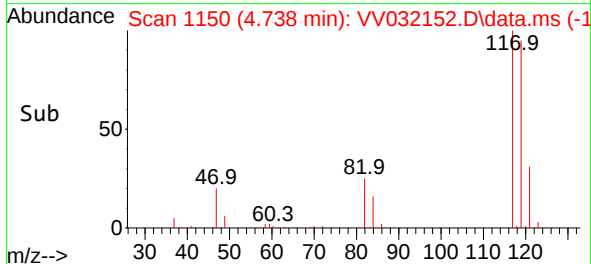
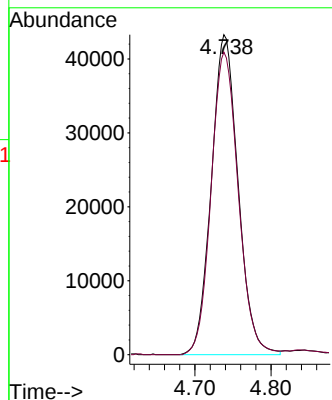
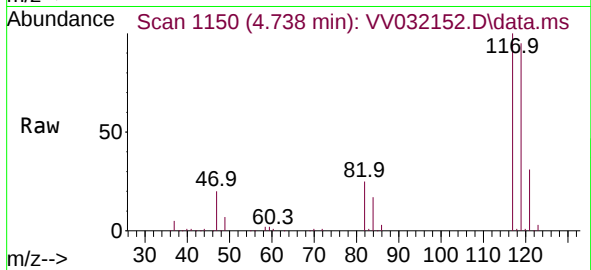




#31
Carbon tetrachloride
Concen: 43.089 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

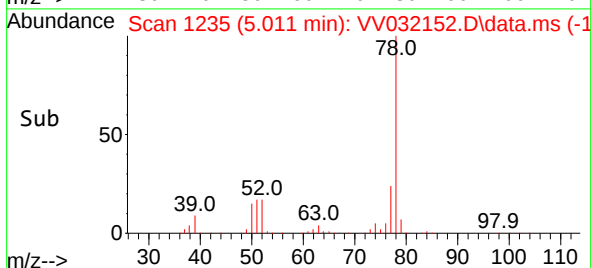
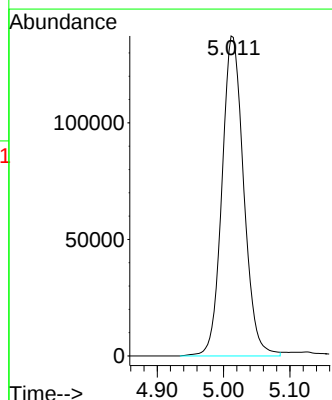
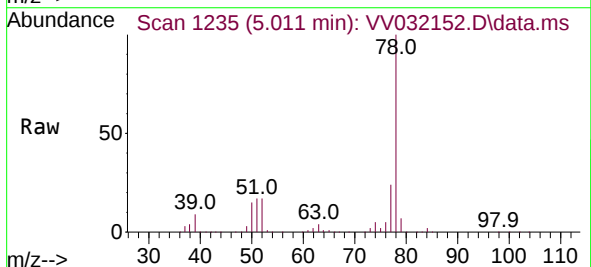
Instrument :
MSVOA_V
ClientSampleId :

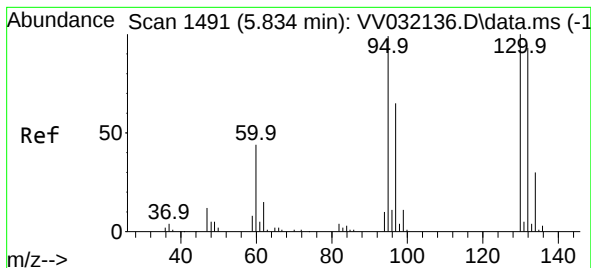
Tgt Ion:117 Resp: 105733
Ion Ratio Lower Upper
117 100
119 96.1 75.4 113.2



#33
Benzene
Concen: 46.982 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion: 78 Resp: 312749





#34

Trichloroethene

Concen: 42.513 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 86550

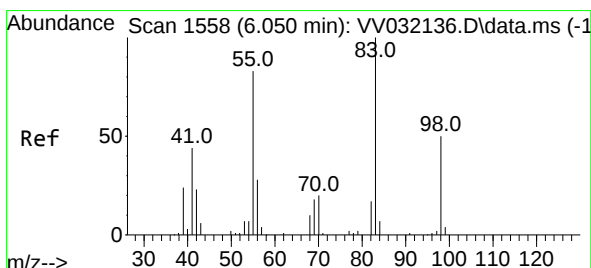
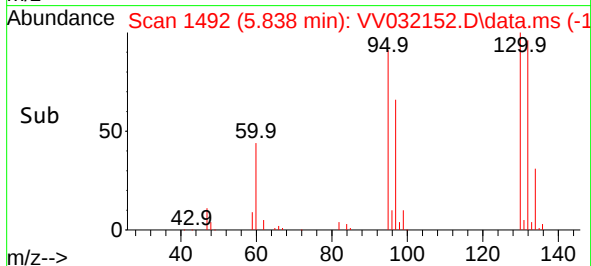
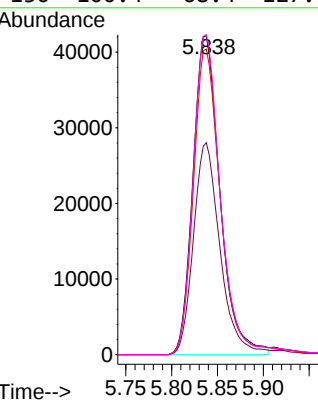
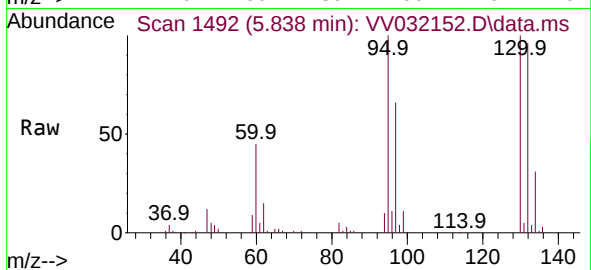
Ion Ratio Lower Upper

95 100

97 66.5 45.4 84.2

132 95.9 65.4 121.4

130 100.4 68.4 127.0



#35

Methylcyclohexane

Concen: 39.703 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

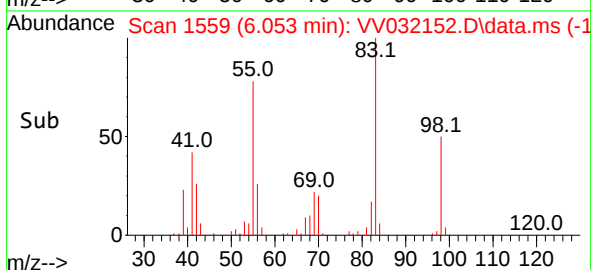
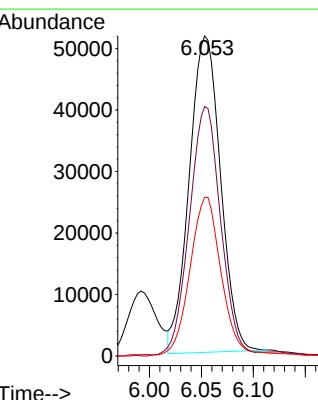
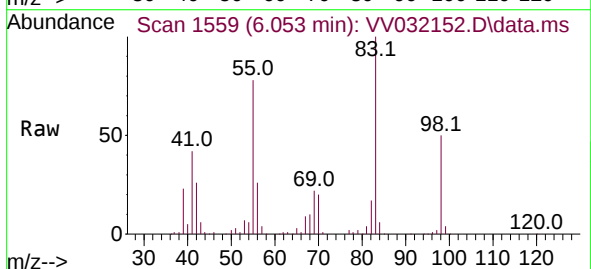
Tgt Ion: 83 Resp: 107512

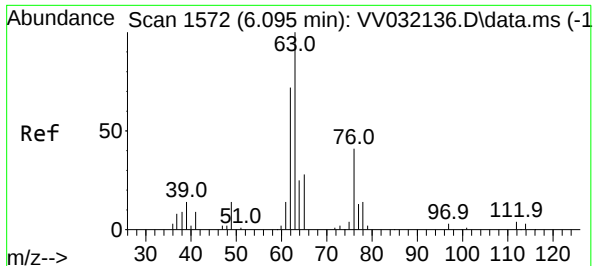
Ion Ratio Lower Upper

83 100

55 79.1 62.2 93.2

98 50.3 36.7 55.1





#37

1,2-Dichloropropane

Concen: 49.918 ug/L

RT: 6.095 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

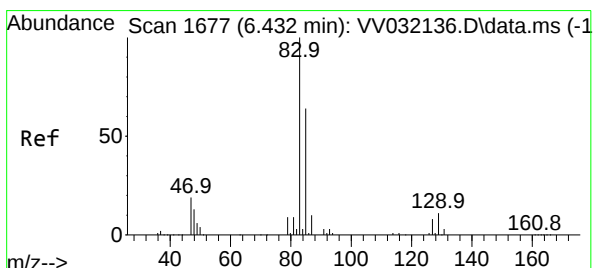
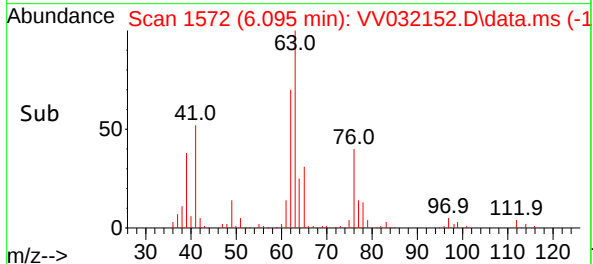
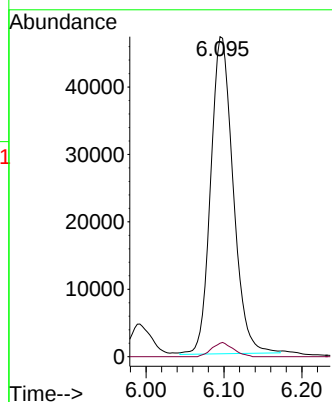
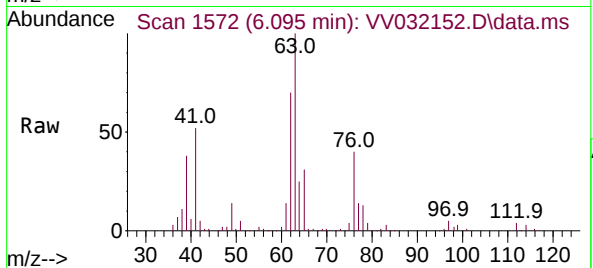
ClientSampleId :

Tgt Ion: 63 Resp: 94187

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 46.660 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

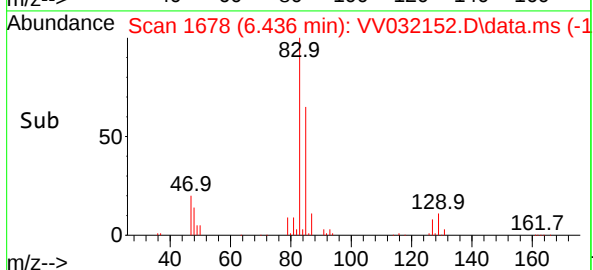
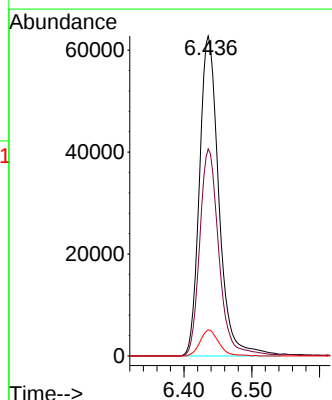
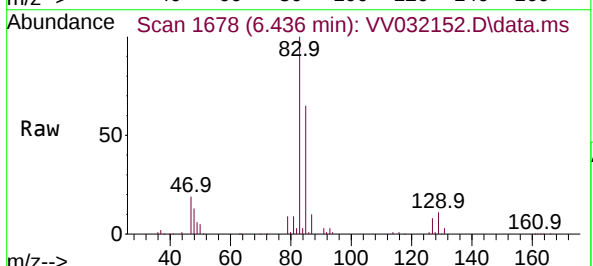
Tgt Ion: 83 Resp: 124965

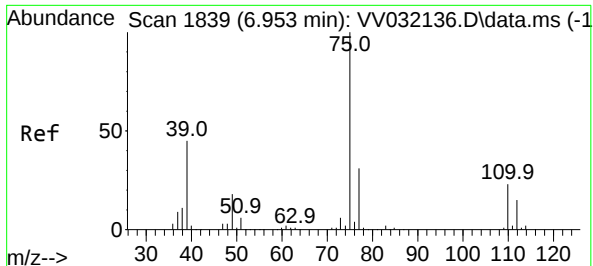
Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0

127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 45.892 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

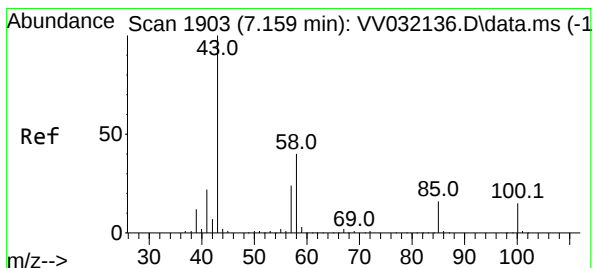
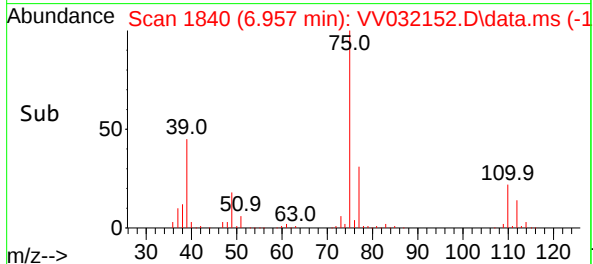
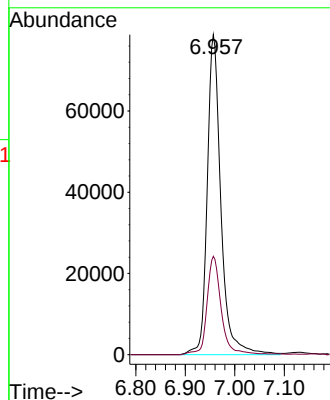
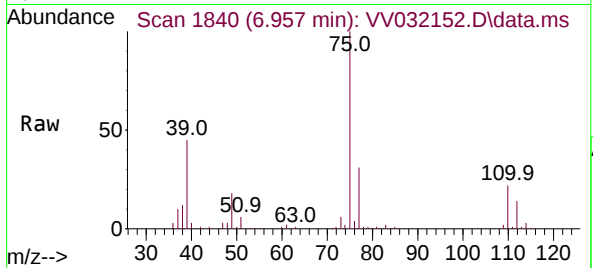
ClientSampleId :

Tgt Ion: 75 Resp: 150548

Ion Ratio Lower Upper

75 100

77 30.8 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 104.317 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

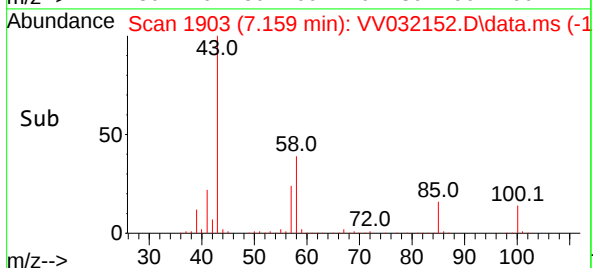
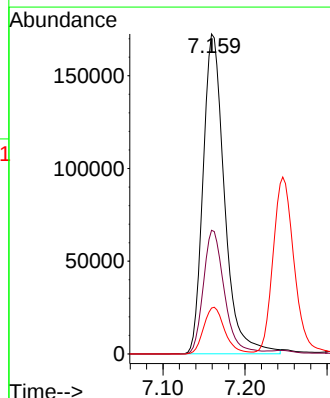
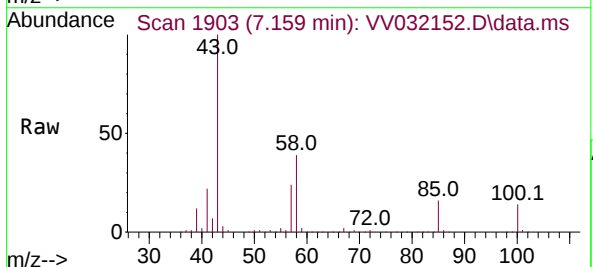
Tgt Ion: 43 Resp: 312407

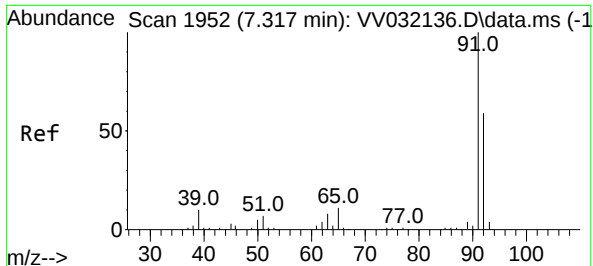
Ion Ratio Lower Upper

43 100

58 38.2 31.1 46.7

100 14.4 11.9 17.9





#42

Toluene

Concen: 46.562 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

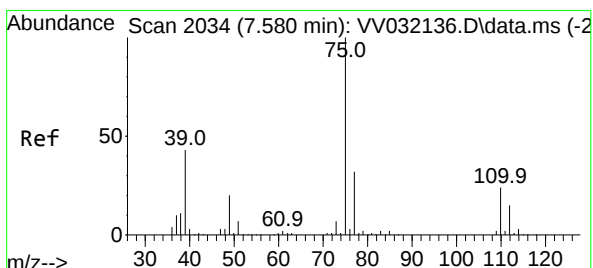
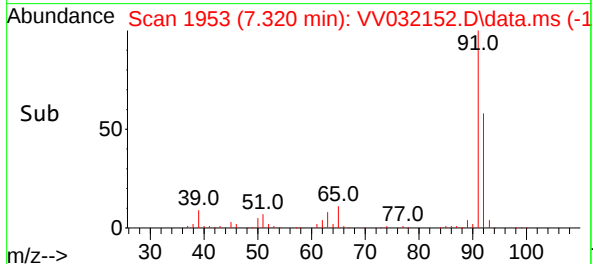
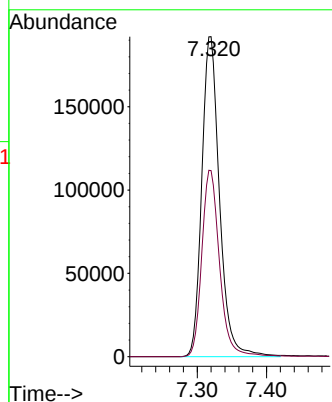
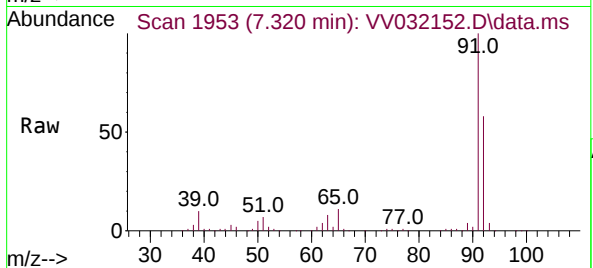
ClientSampleId :

Tgt Ion: 91 Resp: 340956

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 43.649 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032152.D

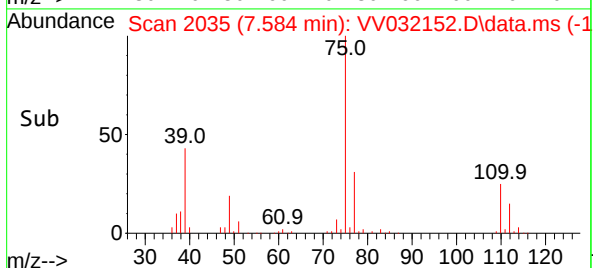
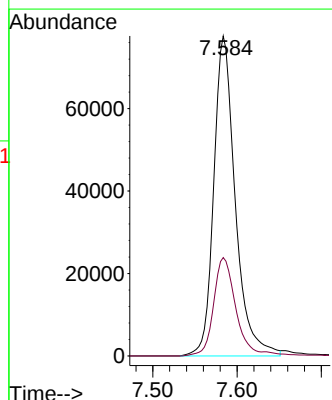
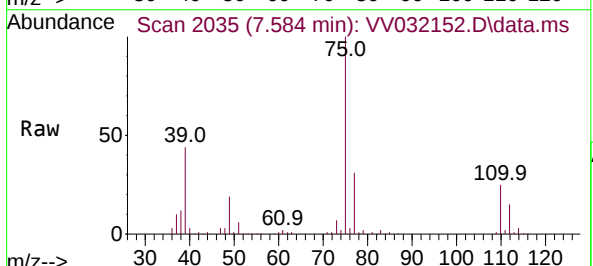
Acq: 20 Sep 2023 17:28

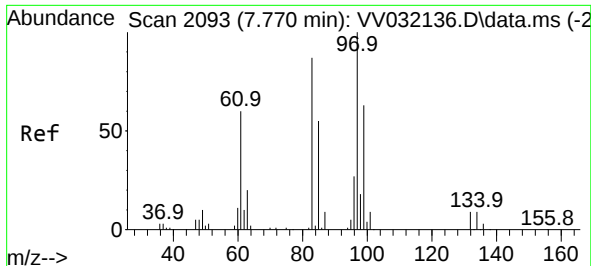
Tgt Ion: 75 Resp: 137579

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 50.453 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 96177

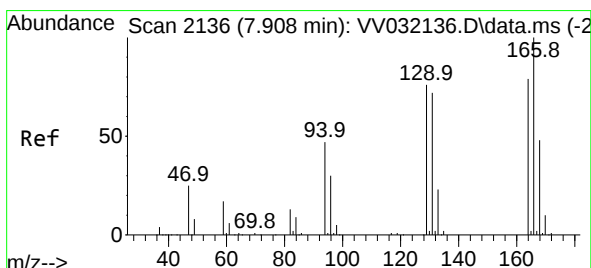
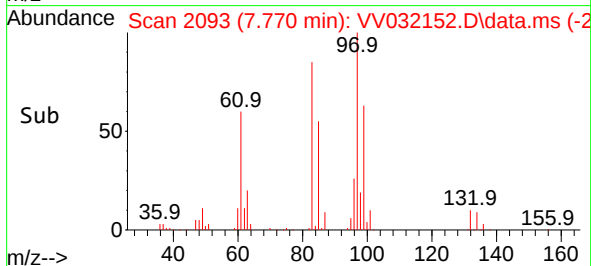
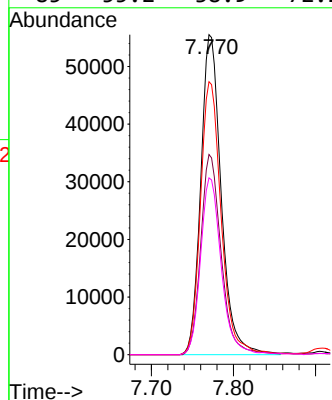
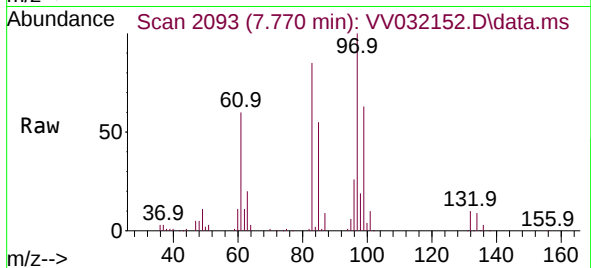
Ion Ratio Lower Upper

97 100

99 62.6 43.0 79.8

83 85.3 61.2 113.6

85 55.2 38.9 72.2



#46

Tetrachloroethene

Concen: 45.408 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Tgt Ion:164 Resp: 58047

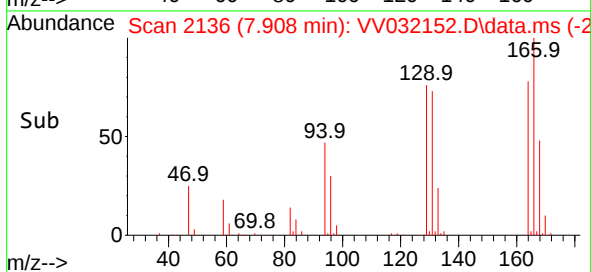
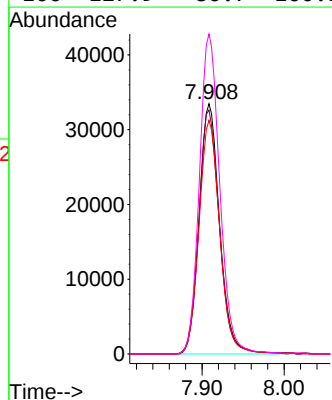
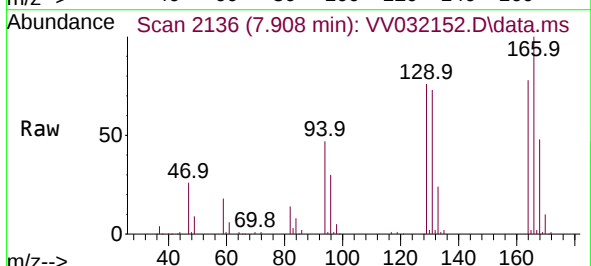
Ion Ratio Lower Upper

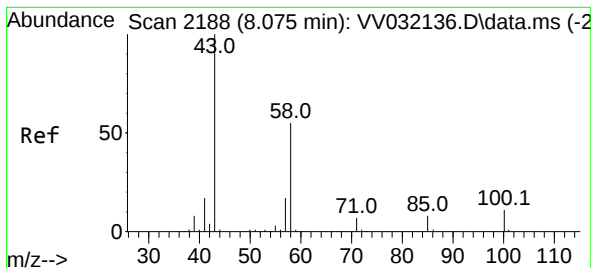
164 100

129 97.5 68.3 126.9

131 93.4 64.9 120.5

166 127.9 86.7 160.9





#48

2-Hexanone

Concen: 103.121 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 235841

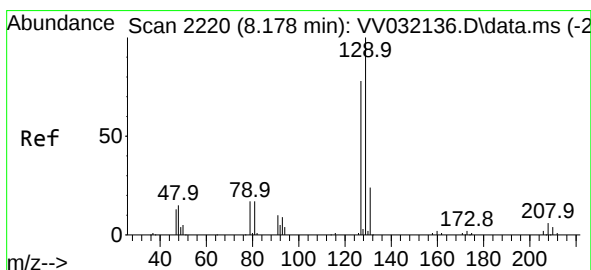
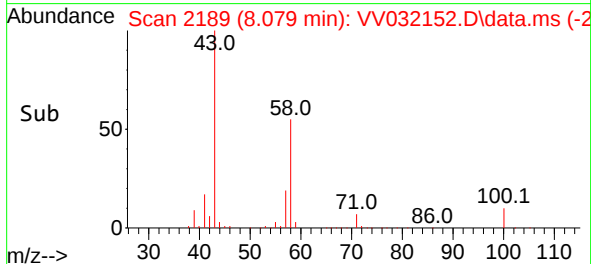
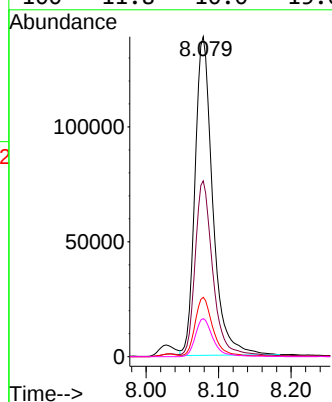
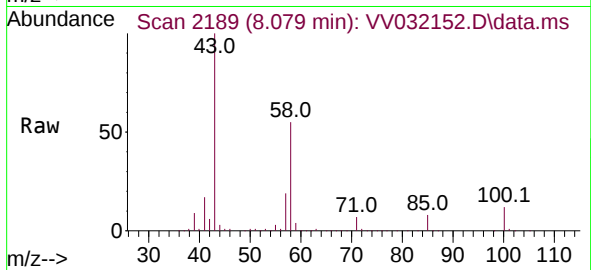
Ion Ratio Lower Upper

43 100

58 54.3 44.0 66.0

57 18.7 15.9 23.9

100 11.8 10.0 15.0



#49

Dibromochloromethane

Concen: 47.938 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.000 min

Lab File: VV032152.D

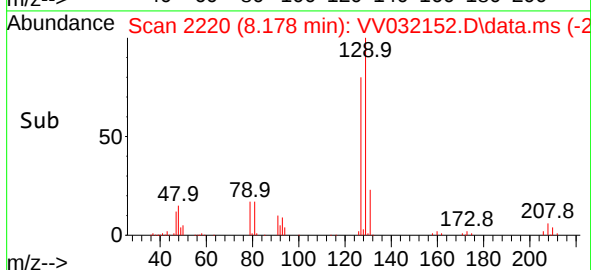
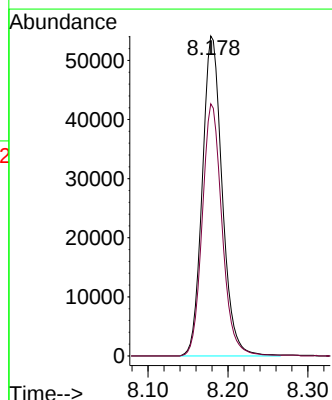
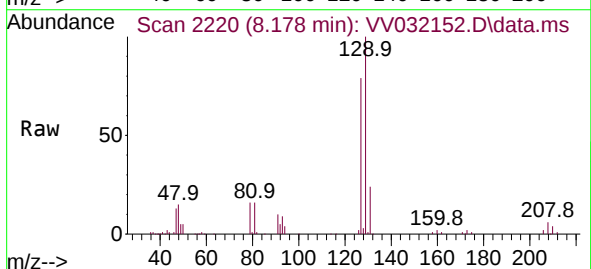
Acq: 20 Sep 2023 17:28

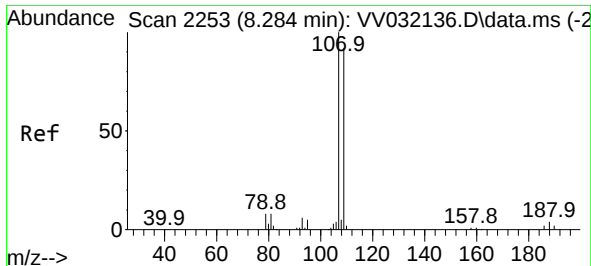
Tgt Ion:129 Resp: 93904

Ion Ratio Lower Upper

129 100

127 78.8 54.7 101.7





#50

1,2-Dibromoethane

Concen: 48.335 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032152.D

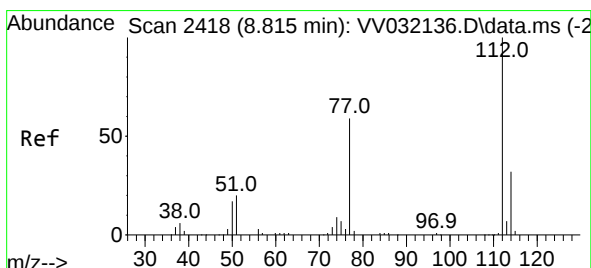
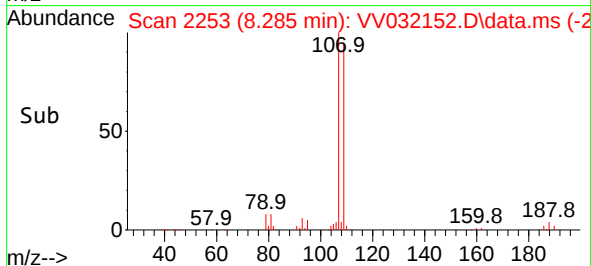
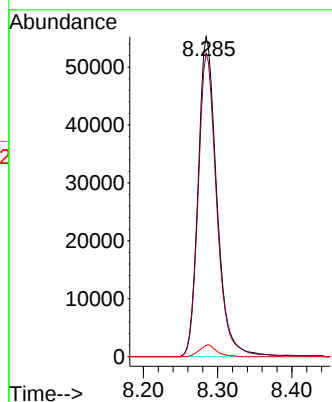
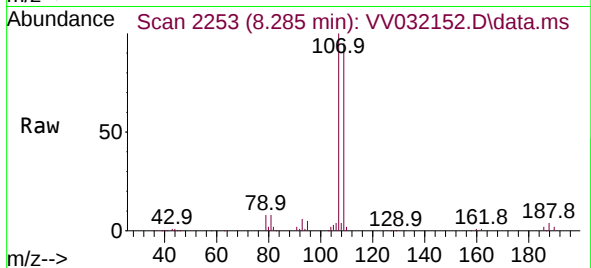
Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	96506
Ion	Ratio	Lower	Upper
107	100		
109	94.9	65.4	121.4
188	3.5	2.8	4.2



#51

Chlorobenzene

Concen: 47.963 ug/L

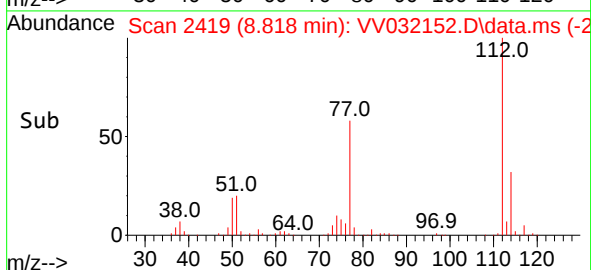
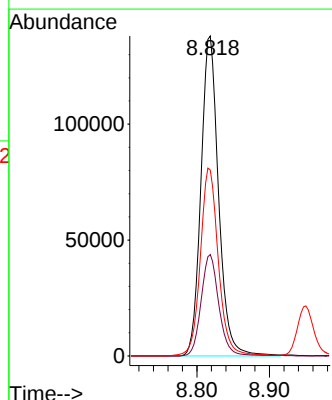
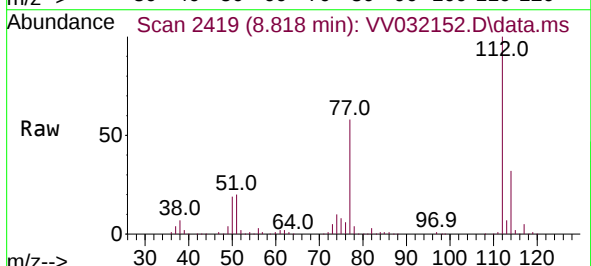
RT: 8.818 min Scan# 2419

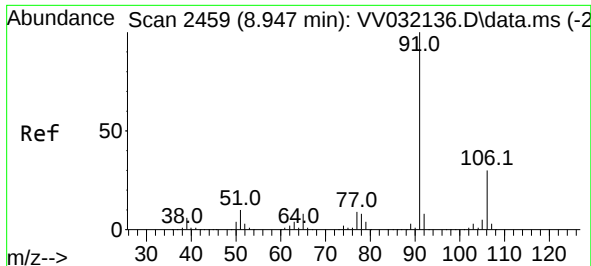
Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Tgt Ion:	112	Resp:	233374
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.0	40.8
77	58.1	49.4	74.0

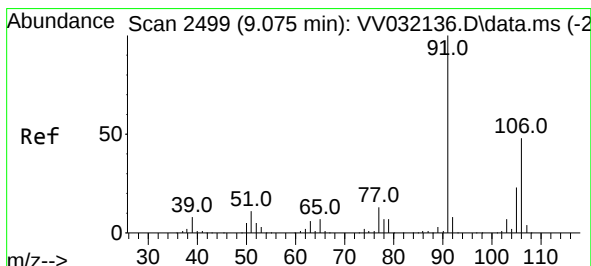
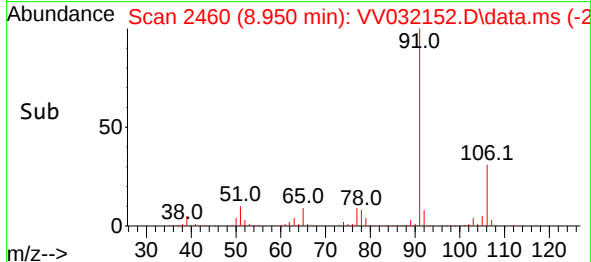
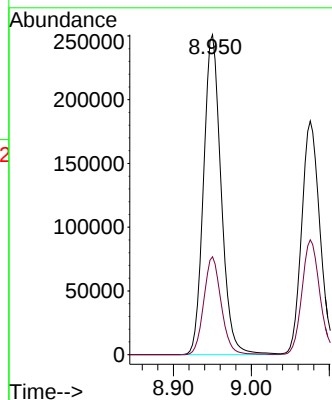
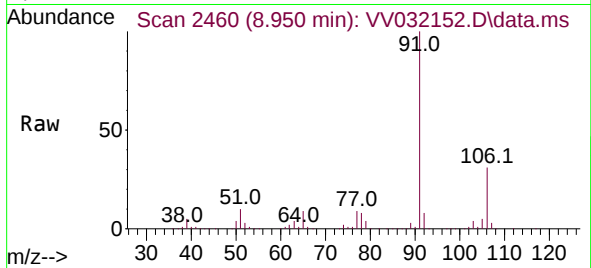




#52
Ethylbenzene
Concen: 45.354 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

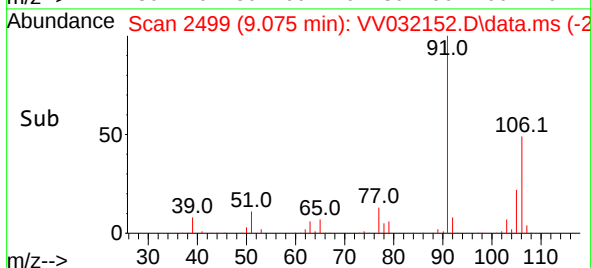
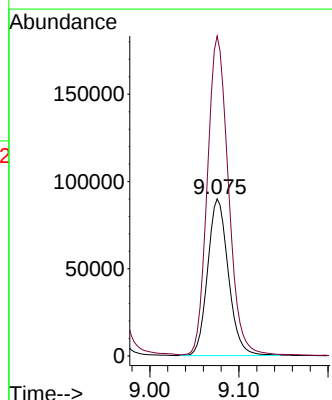
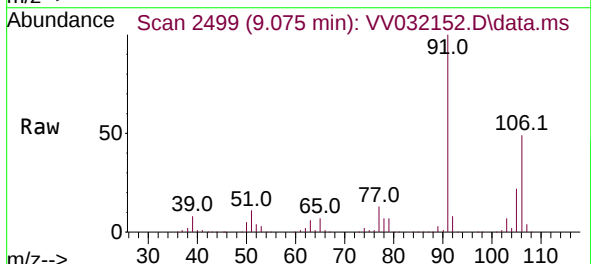
Instrument :
MSVOA_V
ClientSampleId :

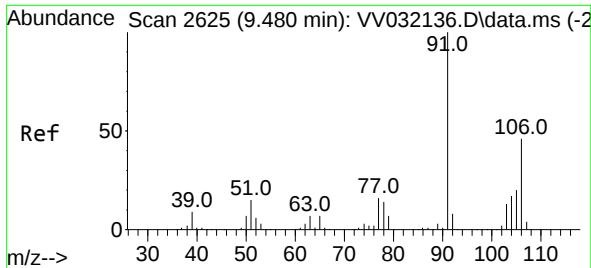
Tgt Ion: 91 Resp: 393403
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#53
m,p-Xylene
Concen: 44.966 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion:106 Resp: 144818
Ion Ratio Lower Upper
106 100
91 203.6 147.0 273.0

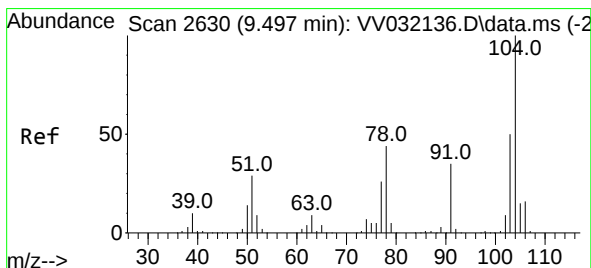
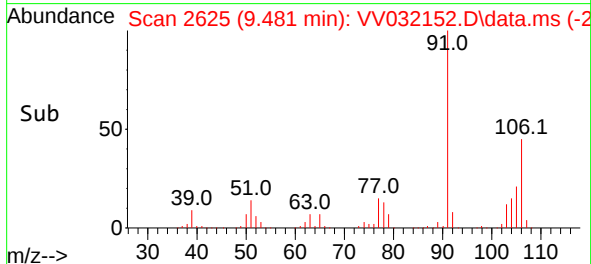
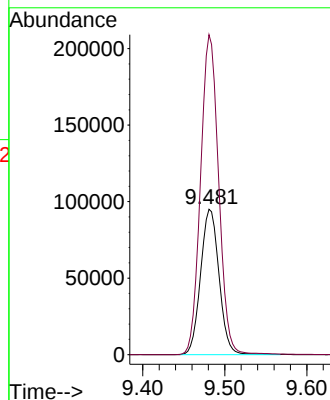
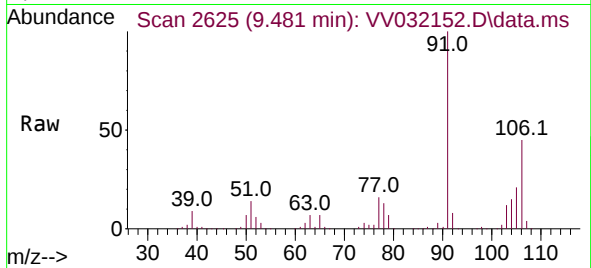




#54
o-Xylene
Concen: 46.416 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

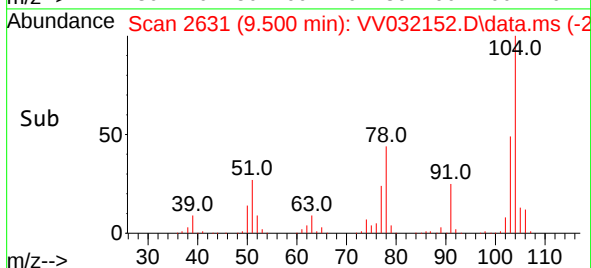
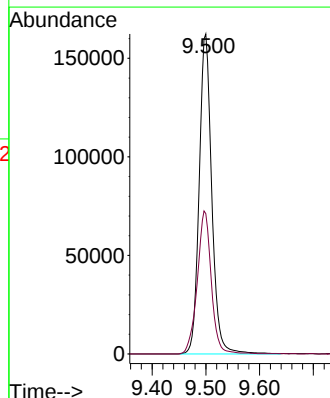
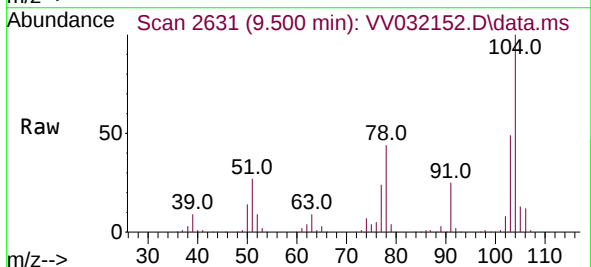
Instrument :
MSVOA_V
ClientSampleId :

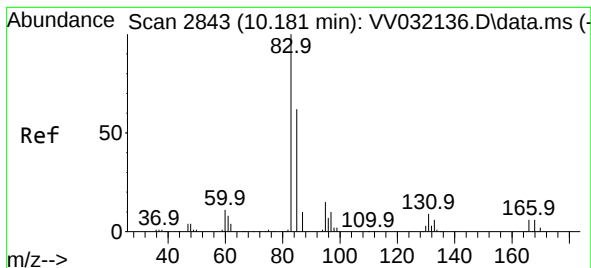
Tgt Ion:106 Resp: 148677
Ion Ratio Lower Upper
106 100
91 220.1 154.3 286.5



#55
Styrene
Concen: 46.648 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion:104 Resp: 264150
Ion Ratio Lower Upper
104 100
78 43.8 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 57.249 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

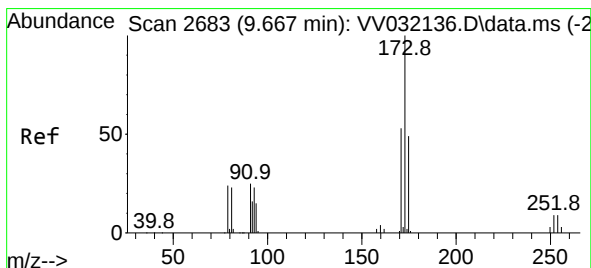
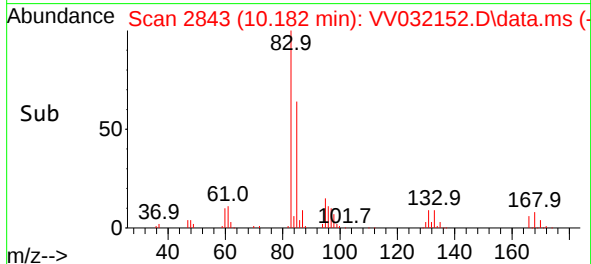
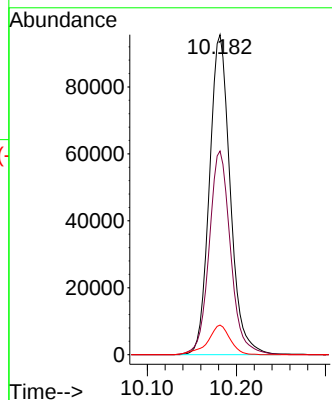
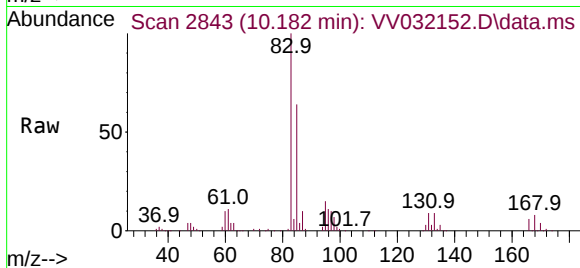
Tgt Ion: 83 Resp: 154487

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

131 9.2 7.4 11.2



#59

Bromoform

Concen: 48.419 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

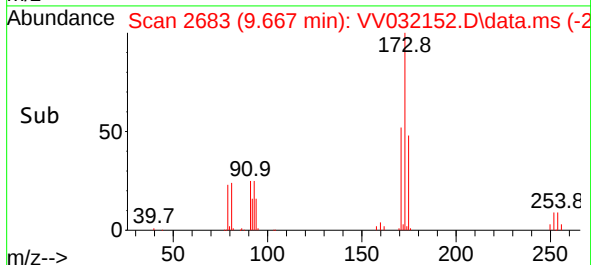
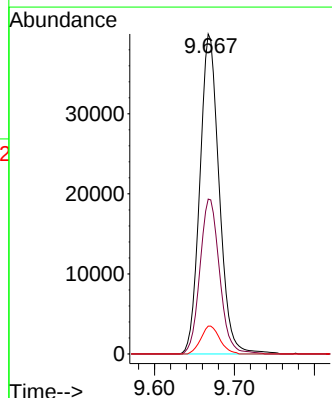
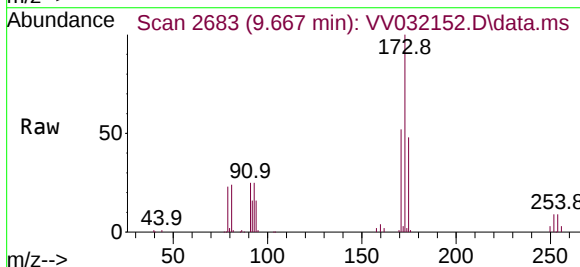
Tgt Ion: 173 Resp: 67230

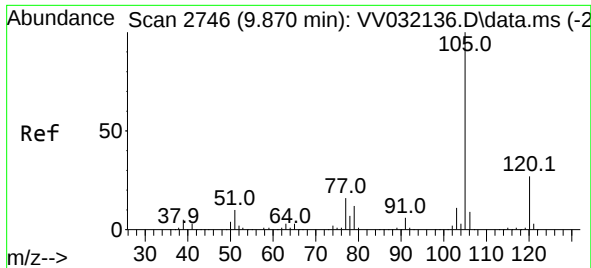
Ion Ratio Lower Upper

173 100

175 49.1 38.3 57.5

254 8.6 6.9 10.3

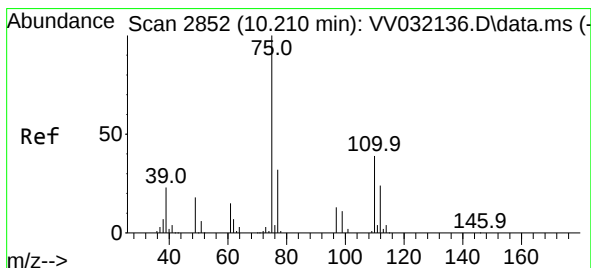
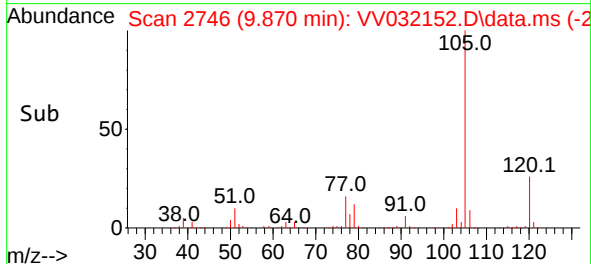
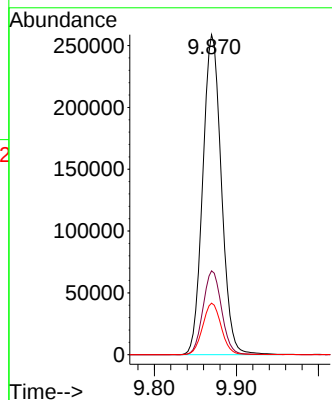
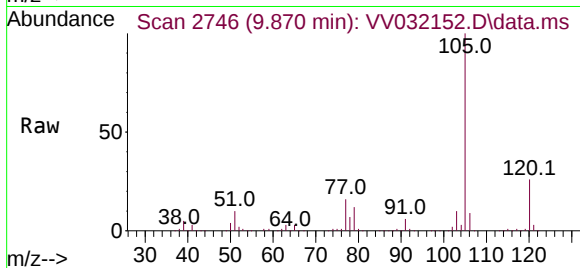




#60
Isopropylbenzene
Concen: 45.458 ug/L
RT: 9.870 min Scan# 2746
Delta R.T. 0.000 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

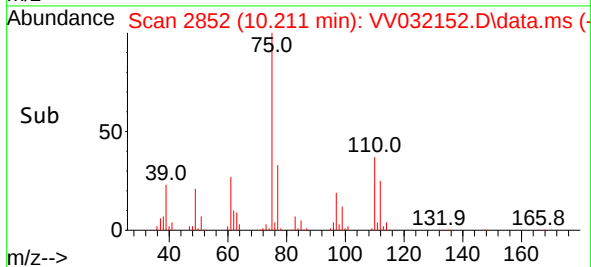
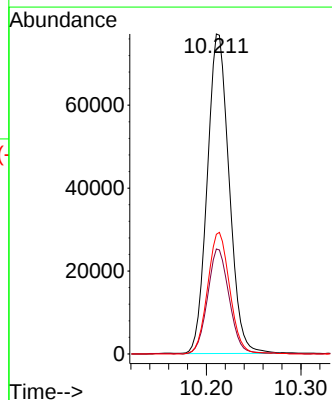
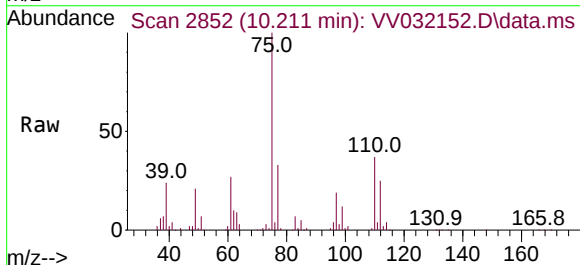
Instrument :
MSVOA_V
ClientSampleId :

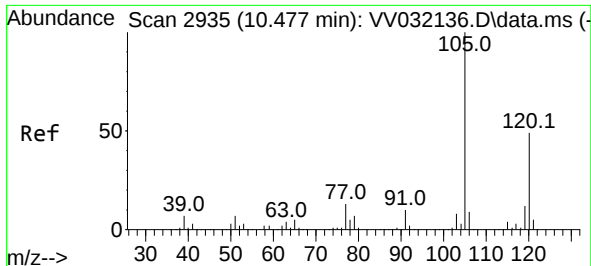
Tgt Ion:105 Resp: 407685
Ion Ratio Lower Upper
105 100
120 26.3 20.6 31.0
77 16.1 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 49.065 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032152.D
Acq: 20 Sep 2023 17:28

Tgt Ion: 75 Resp: 124122
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
110 38.3 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 44.171 ug/L

RT: 10.481 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

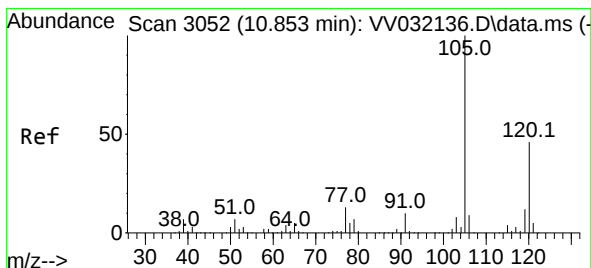
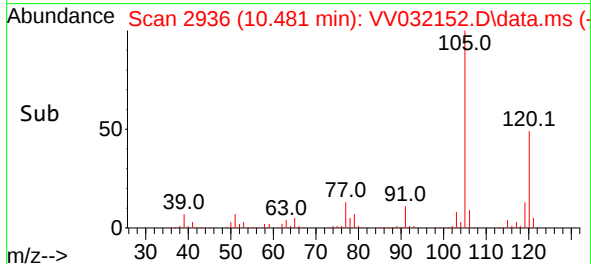
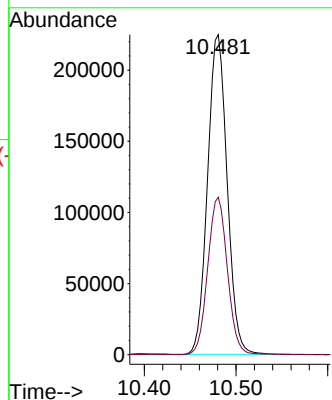
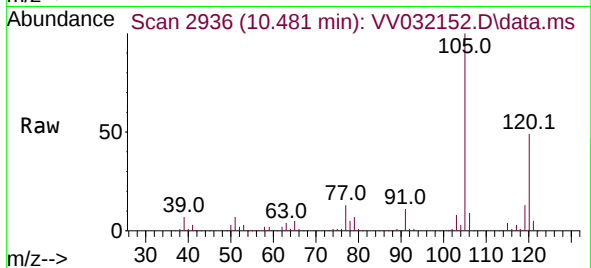
ClientSampleId :

Tgt Ion:105 Resp: 333278

Ion Ratio Lower Upper

105 100

120 49.6 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 44.130 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032152.D

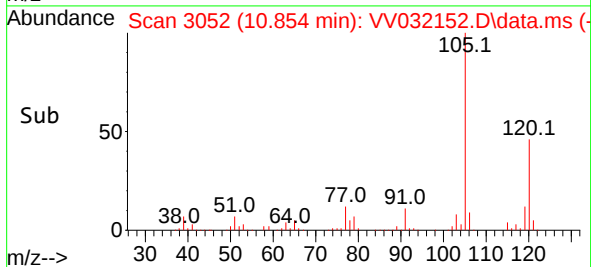
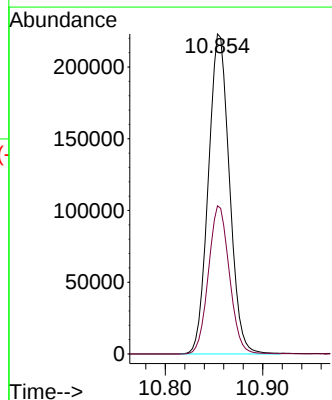
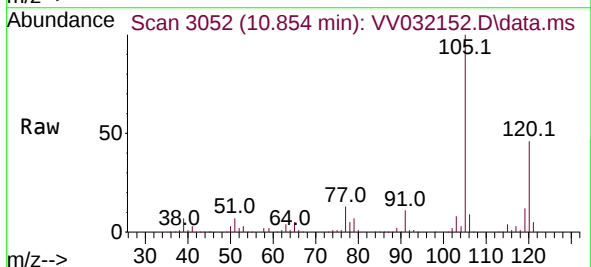
Acq: 20 Sep 2023 17:28

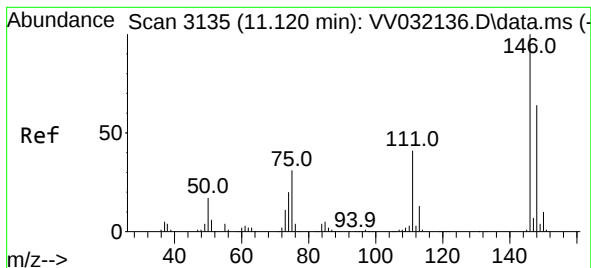
Tgt Ion:105 Resp: 334958

Ion Ratio Lower Upper

105 100

120 46.0 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 47.700 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

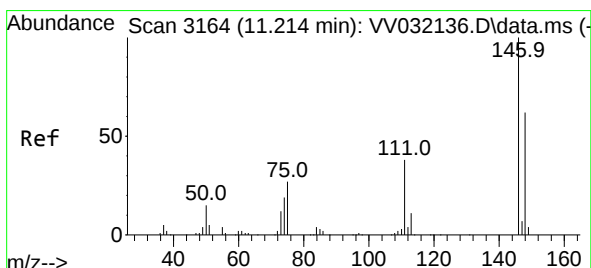
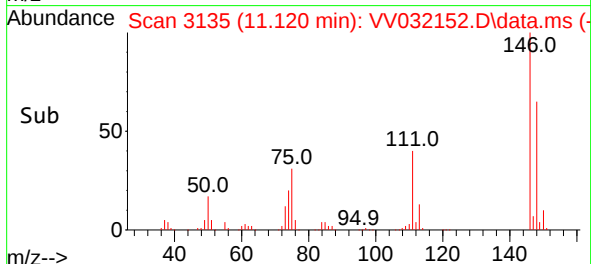
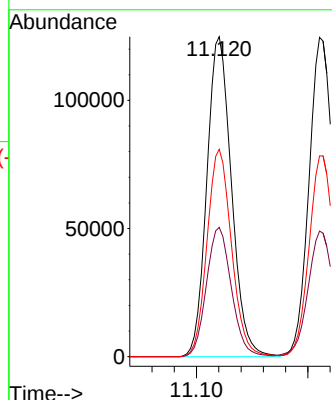
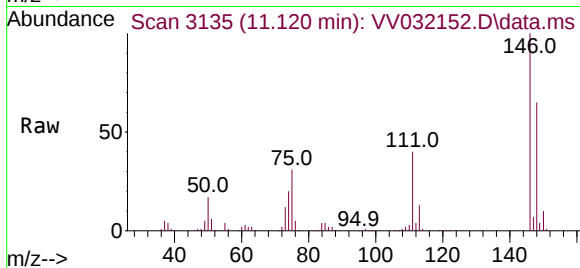
Tgt Ion:146 Resp: 191720

Ion Ratio Lower Upper

146 100

111 40.4 30.2 56.0

148 64.8 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 47.567 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

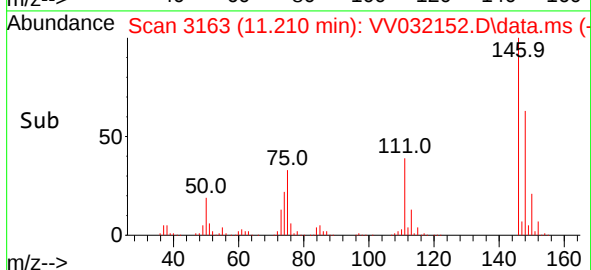
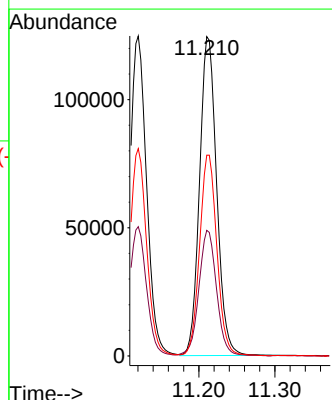
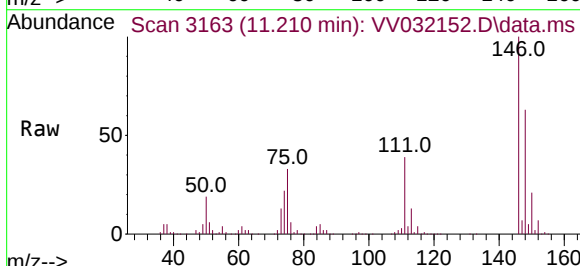
Tgt Ion:146 Resp: 194406

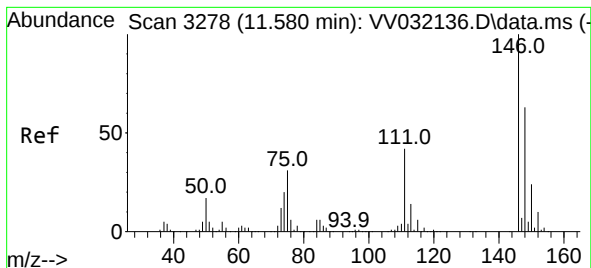
Ion Ratio Lower Upper

146 100

111 39.3 28.5 52.9

148 62.9 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.833 ug/L

RT: 11.583 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

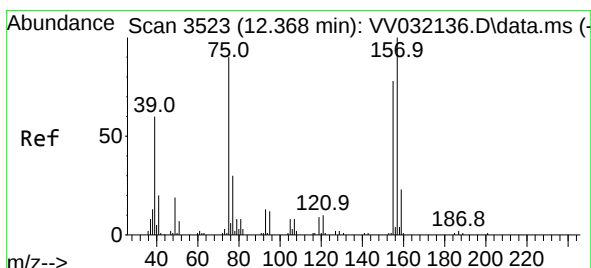
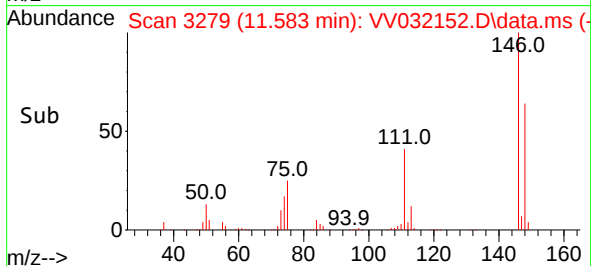
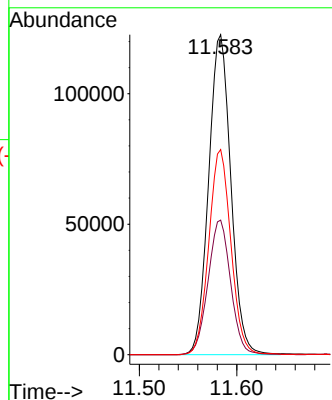
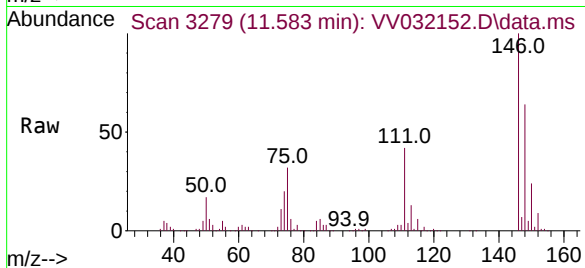
Tgt Ion:146 Resp: 194493

Ion Ratio Lower Upper

146 100

111 42.0 35.8 53.6

148 64.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 43.944 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

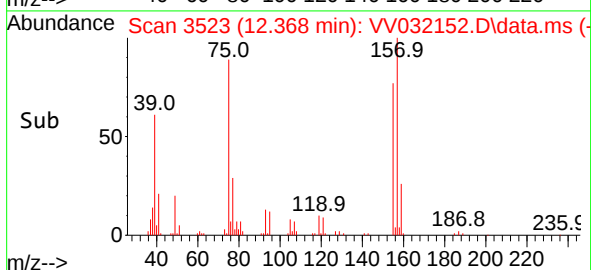
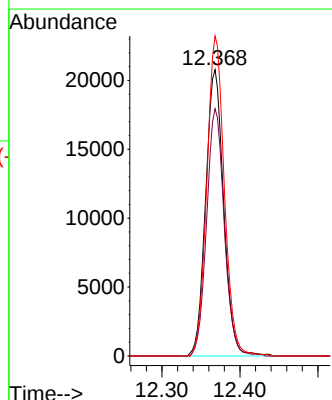
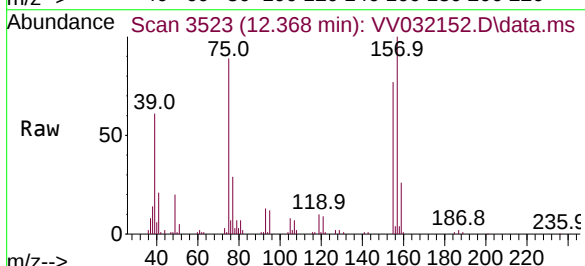
Tgt Ion: 75 Resp: 33392

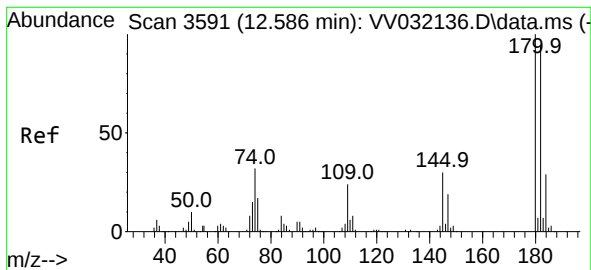
Ion Ratio Lower Upper

75 100

155 86.4 60.1 90.1

157 111.8 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 47.806 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

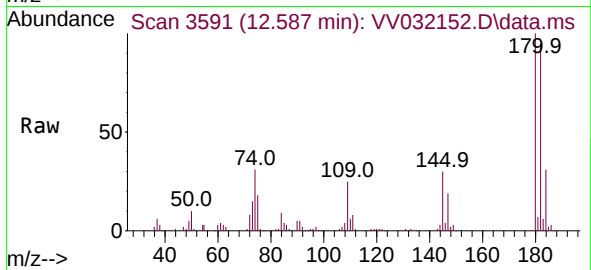
Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 140076

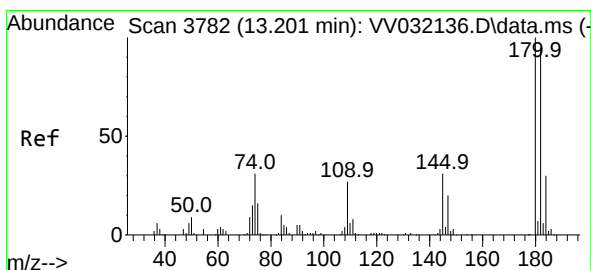
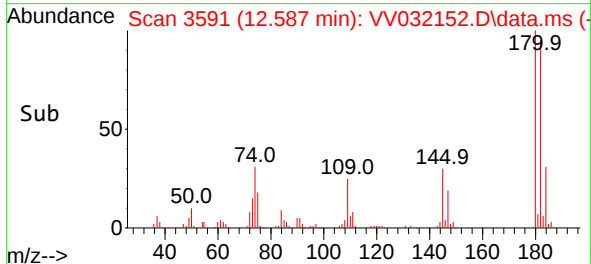
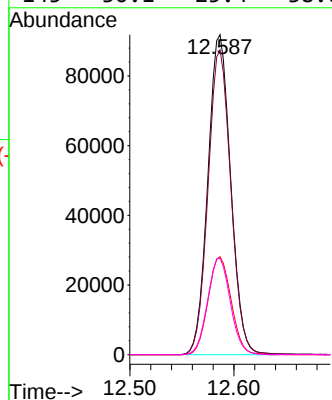
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

184 30.9 23.7 35.5

145 30.1 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 47.857 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

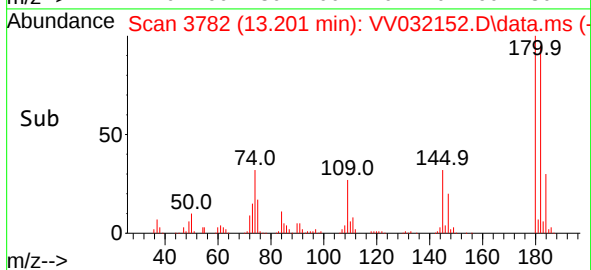
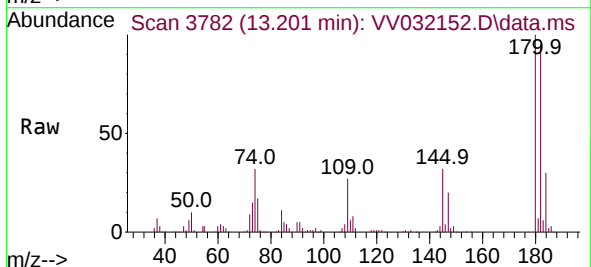
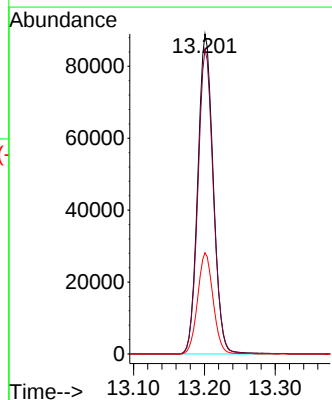
Tgt Ion:180 Resp: 134601

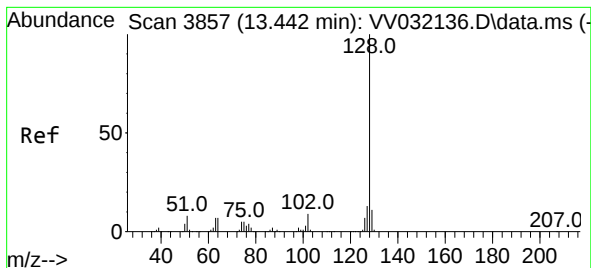
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

145 31.7 26.0 39.0





#71

Naphthalene

Concen: 46.784 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Instrument :

MSVOA_V

ClientSampleId :

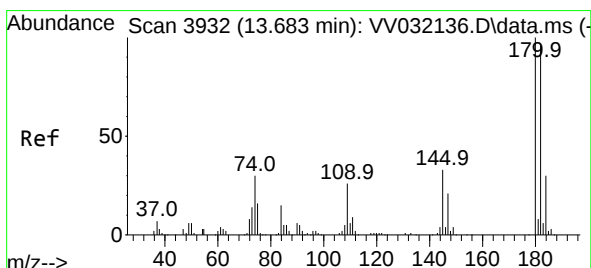
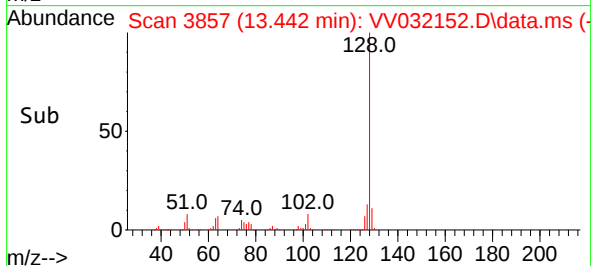
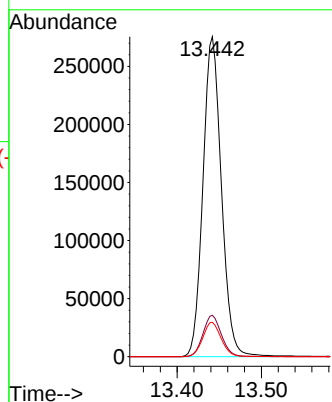
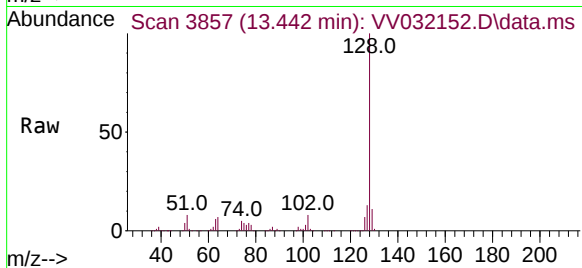
Tgt Ion:128 Resp: 420396

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.732 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032152.D

Acq: 20 Sep 2023 17:28

Tgt Ion:180 Resp: 136725

Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 32.0 27.7 41.5

