

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092023\
 Data File : VV032136.D
 Acq On : 20 Sep 2023 10:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 21 01:33:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 16 02:09:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	250073	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	241776	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	131749	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	76289	48.746	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.500%		
7) Chloroethane-d5	1.529	69	61830	45.067	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.140%		
11) 1,1-Dichloroethene-d2	2.060	65	31597	43.116	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.240%		
21) 2-Butanone-d5	3.786	46	103222	83.859	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.860%		
24) Chloroform-d	4.249	84	137473	40.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.380%		
26) 1,2-Dichloroethane-d4	4.940	65	81297	35.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	71.620%		
32) Benzene-d6	4.960	84	275876	41.816	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.640%		
36) 1,2-Dichloropropane-d6	5.992	67	88794	41.815	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.640%		
41) Toluene-d8	7.243	98	252220	41.492	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.980%		
43) trans-1,3-Dichloroprop...	7.555	79	42862	38.944	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.880%		
47) 2-Hexanone-d5	8.027	63	67134	103.150	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.150%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	117094	42.672	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.340%		
66) 1,2-Dichlorobenzene-d4	11.564	152	97966	40.790	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	58170	38.210	ug/L	98
3) Chloromethane	1.214	50	64327	41.438	ug/L	99
5) Vinyl chloride	1.281	62	68164	41.116	ug/L	98
6) Bromomethane	1.484	94	41791	42.813	ug/L	100
8) Chloroethane	1.548	64	47308	42.938	ug/L	96
9) Trichlorofluoromethane	1.712	101	104204	43.118	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	68878	47.204	ug/L	99
12) 1,1-Dichloroethene	2.069	96	55690	42.491	ug/L	88
13) Acetone	2.111	43	114670	104.667	ug/L	99
14) Carbon disulfide	2.240	76	114000	38.173	ug/L	100
15) Methyl Acetate	2.371	43	93261	47.730	ug/L	100
16) Methylene chloride	2.445	84	75435	44.789	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	61175	42.574	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	257123	42.340	ug/L	97
19) 1,1-Dichloroethane	3.111	63	145071	45.051	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	80433	44.618	ug/L	94
22) 2-Butanone	3.863	43	140525	96.934	ug/L	98
23) Bromochloromethane	4.146	128	40003	45.738	ug/L	98
25) Chloroform	4.278	83	147441	44.038	ug/L	100

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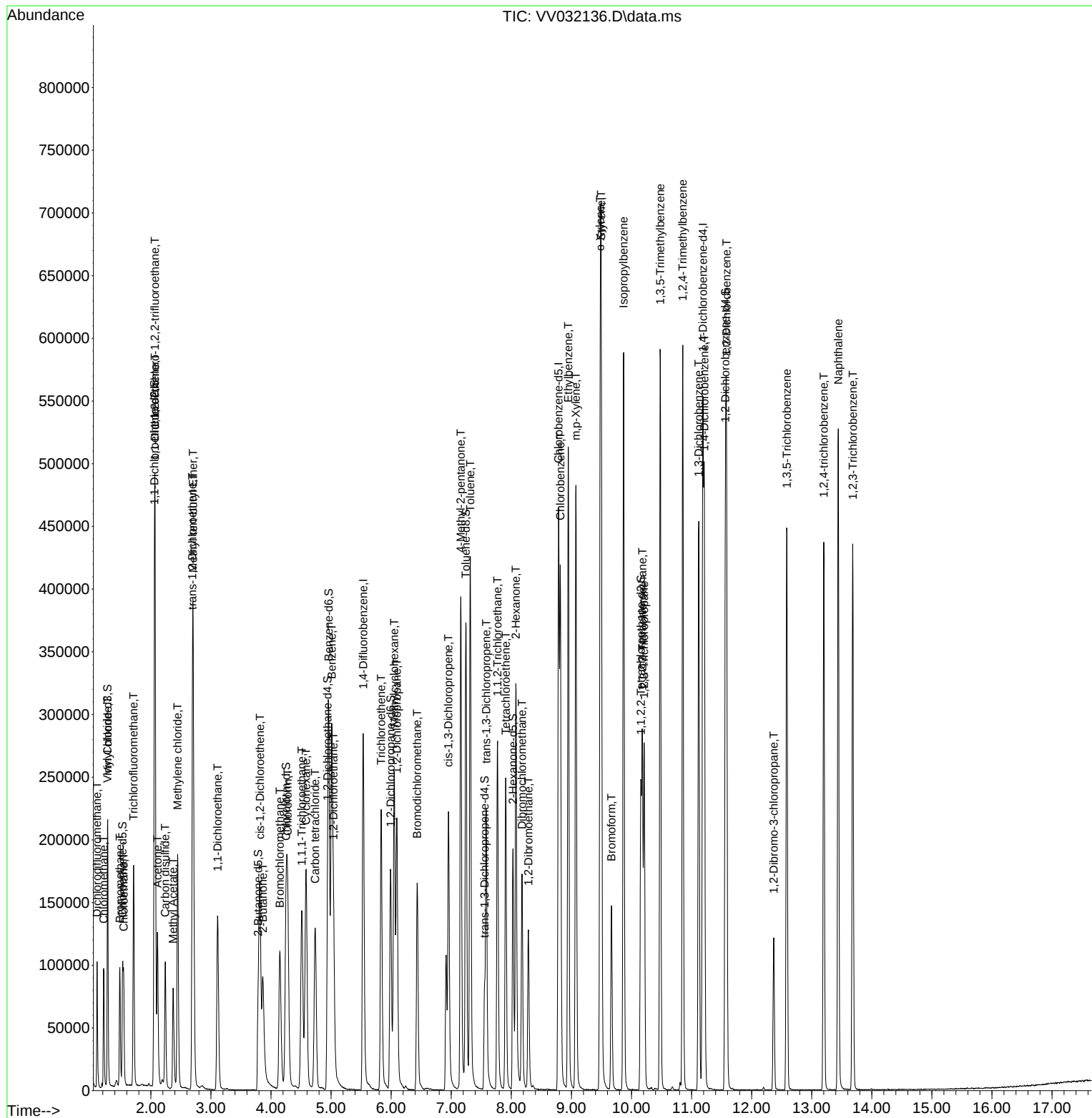
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	106360	40.323	ug/L	96
29) Cyclohexane	4.584	56	102403	40.679	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	120936	42.883	ug/L	98
31) Carbon tetrachloride	4.735	117	99994	41.757	ug/L	99
33) Benzene	5.011	78	288095	44.347	ug/L	100
34) Trichloroethene	5.834	95	81881	41.213	ug/L	98
35) Methylcyclohexane	6.050	83	108122	40.915	ug/L	98
37) 1,2-Dichloropropane	6.095	63	85129	46.232	ug/L	100
38) Bromodichloromethane	6.432	83	114305	43.734	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	138591	43.291	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	271188	92.790	ug/L	99
42) Toluene	7.317	91	314692	44.037	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	130006	42.265	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	88936	47.808	ug/L	99
46) Tetrachloroethene	7.908	164	56233	45.076	ug/L	98
48) 2-Hexanone	8.075	43	214094	95.925	ug/L	97
49) Dibromochloromethane	8.178	129	88557	46.325	ug/L	99
50) 1,2-Dibromoethane	8.284	107	88807	45.578	ug/L	98
51) Chlorobenzene	8.815	112	214765	45.229	ug/L	98
52) Ethylbenzene	8.947	91	363223	42.909	ug/L	99
53) m,p-Xylene	9.075	106	134092	42.664	ug/L	100
54) o-Xylene	9.480	106	134115	42.904	ug/L	100
55) Styrene	9.497	104	242696	43.918	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	139929	53.135	ug/L	98
59) Bromoform	9.667	173	64390	47.130	ug/L	99
60) Isopropylbenzene	9.870	105	377289	42.756	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	109140	43.847	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	309606	41.704	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	311814	41.752	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	177677	44.927	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	181190	45.057	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	180880	46.157	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	29341	39.244	ug/L	85
69) 1,3,5-Trichlorobenzene	12.586	180	132933	46.109	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	125934	45.507	ug/L	99
71) Naphthalene	13.442	128	399518	45.186	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	126366	47.654	ug/L	99

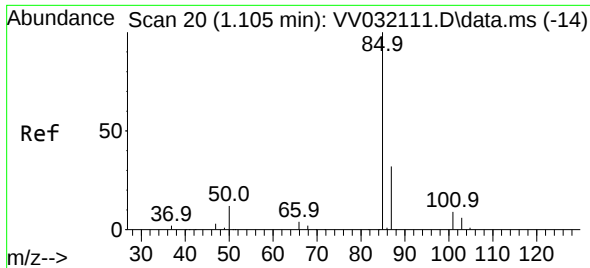
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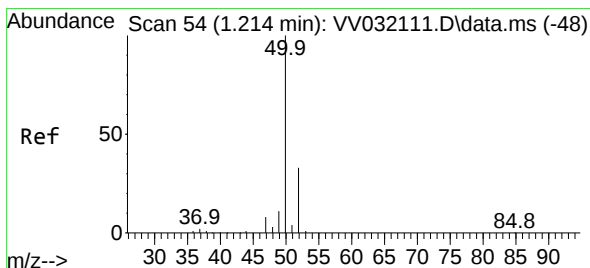
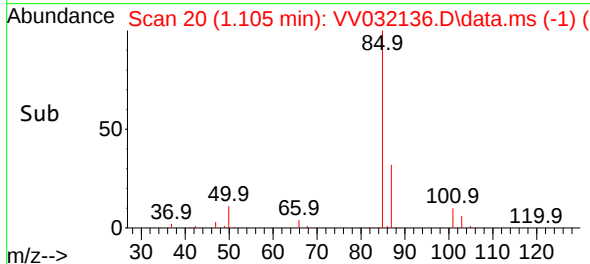
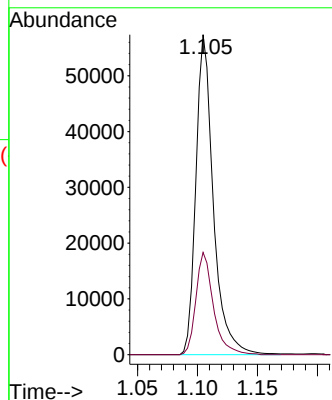
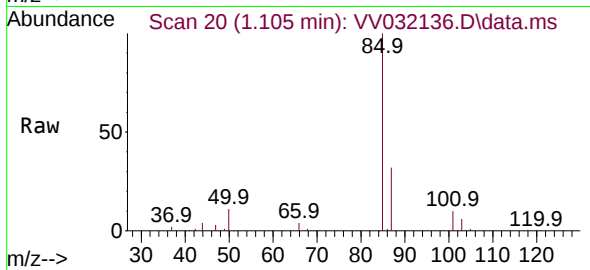




#2
 Dichlorodifluoromethane
 Concen: 38.210 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032136.D
 Acq: 20 Sep 2023 10:42

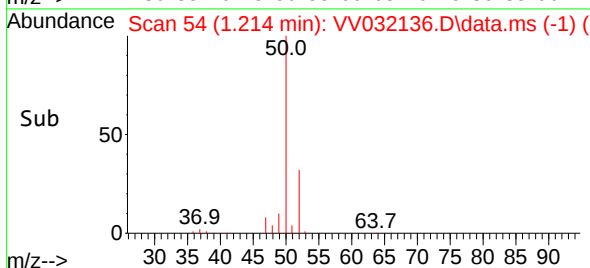
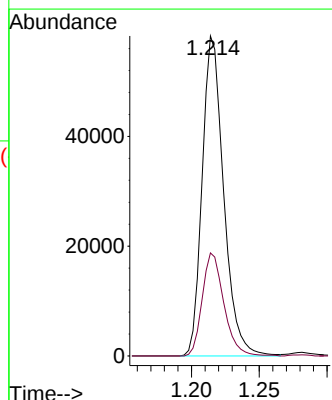
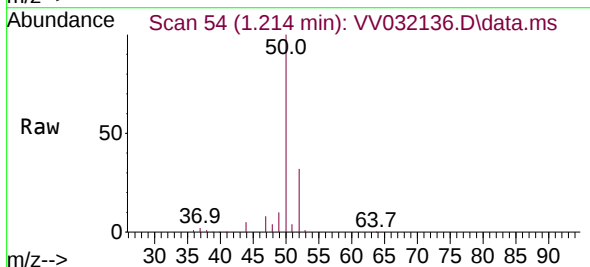
Instrument :
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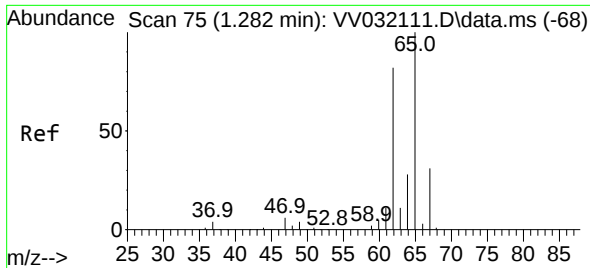
Tgt Ion: 85 Resp: 58170
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.8 40.2



#3
 Chloromethane
 Concen: 41.438 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV032136.D
 Acq: 20 Sep 2023 10:42

Tgt Ion: 50 Resp: 64327
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.0 42.6

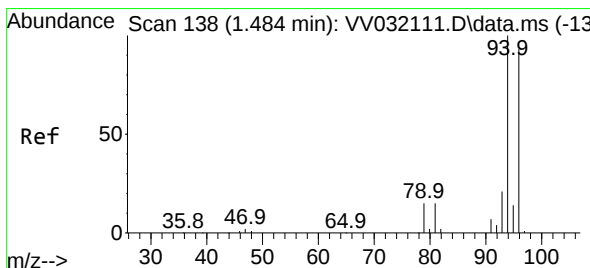
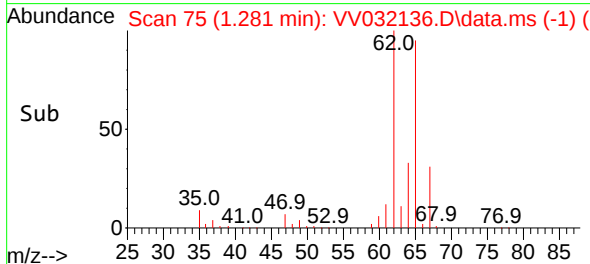
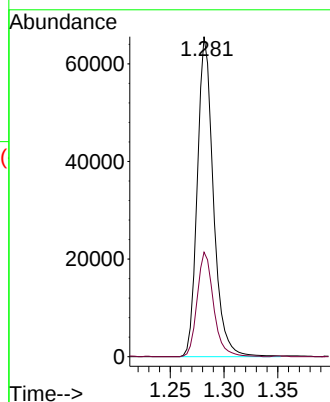
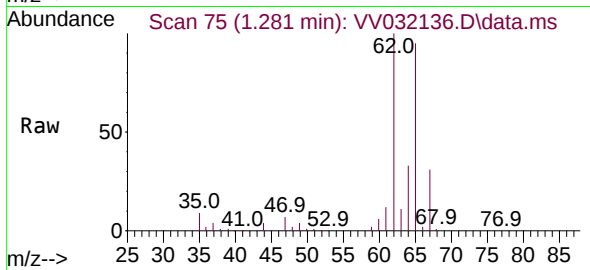




#5
 Vinyl chloride
 Concen: 41.116 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032136.D
 Acq: 20 Sep 2023 10:42

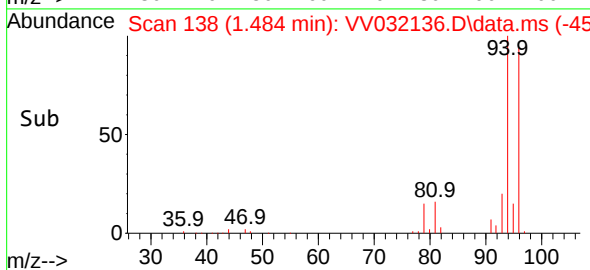
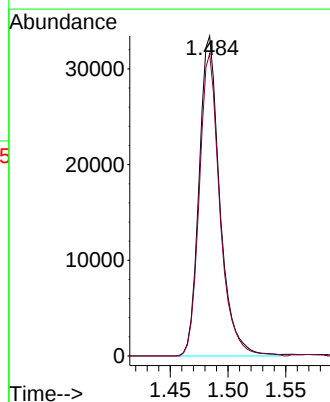
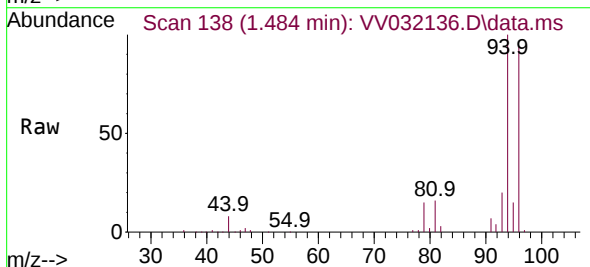
Instrument :
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 ClientSampleId :

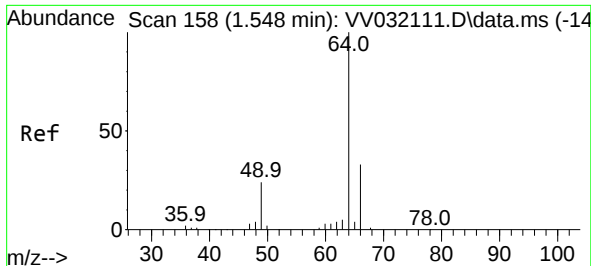
Tgt Ion: 62 Resp: 68164
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.6 43.8



#6
 Bromomethane
 Concen: 42.813 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032136.D
 Acq: 20 Sep 2023 10:42

Tgt Ion: 94 Resp: 41791
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.4 123.4

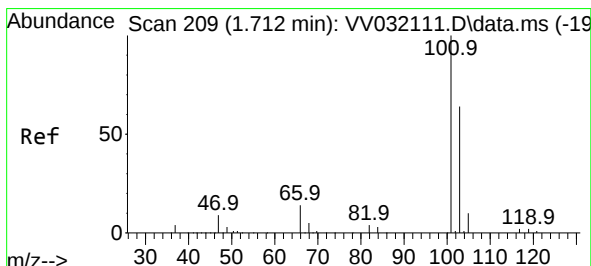
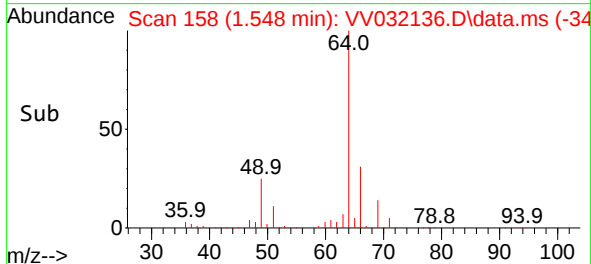
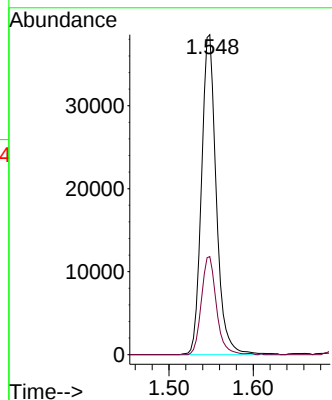
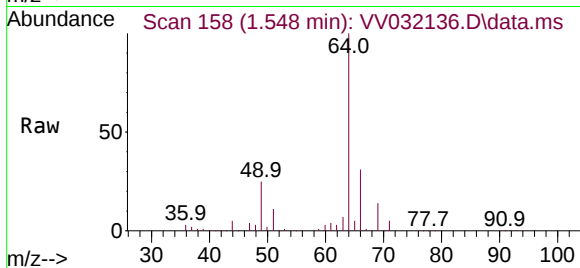




#8
Chloroethane
Concen: 42.938 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

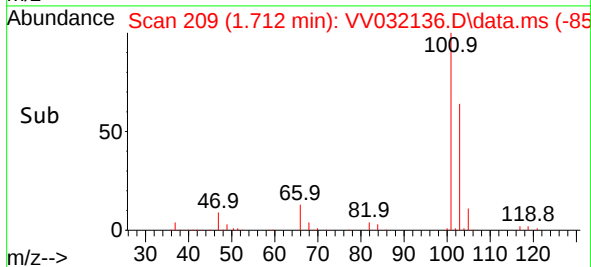
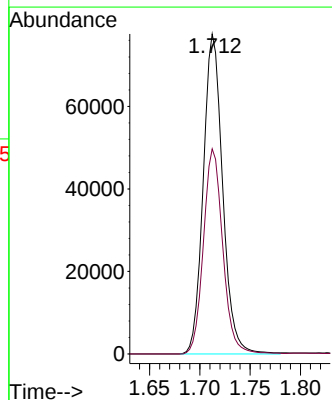
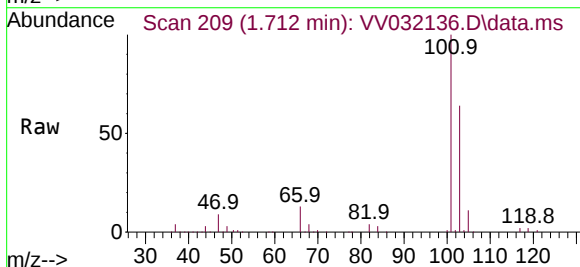
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MSVOA_V
ClientSampleId :

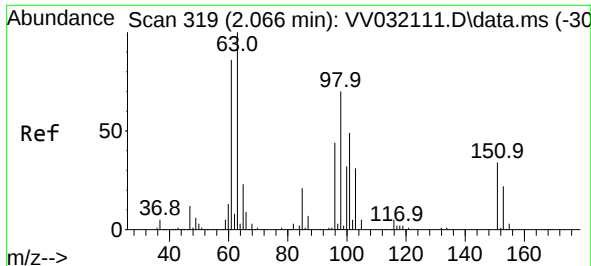
Tgt Ion: 64 Resp: 47308
Ion Ratio Lower Upper
64 100
66 30.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 43.118 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion:101 Resp: 104204
Ion Ratio Lower Upper
101 100
103 63.8 51.9 77.9

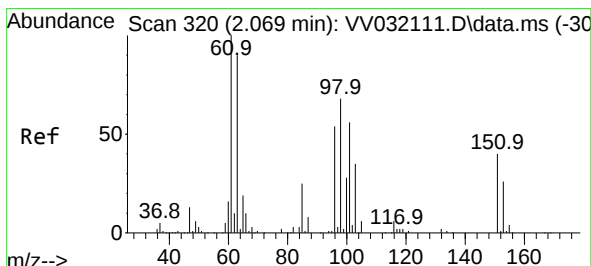
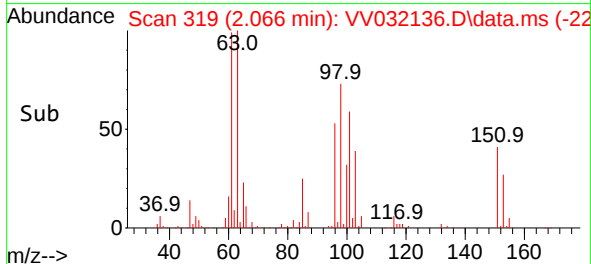
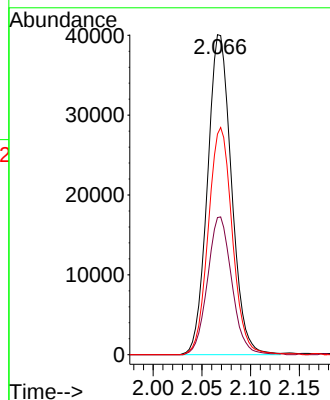
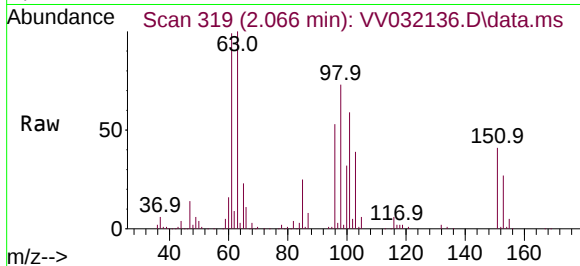




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.204 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV032136.D
 Acq: 20 Sep 2023 10:42

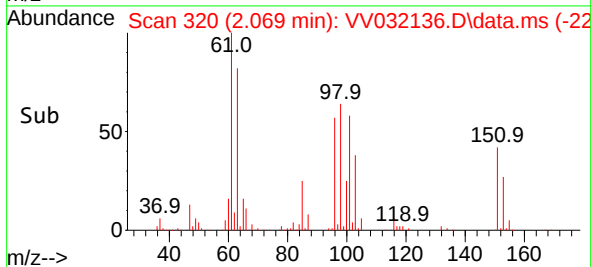
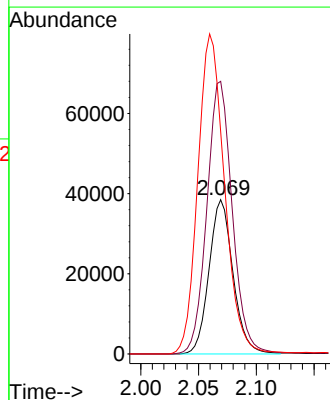
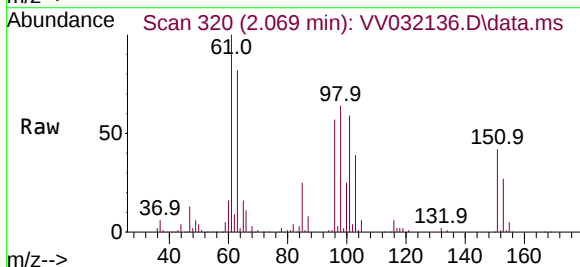
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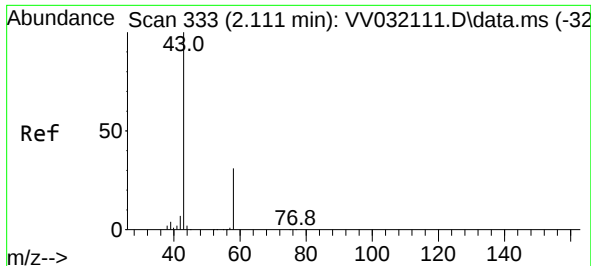
Tgt Ion:101 Resp: 68878
 Ion Ratio Lower Upper
 101 100
 85 43.3 35.8 53.8
 151 71.0 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 42.491 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV032136.D
 Acq: 20 Sep 2023 10:42

Tgt Ion: 96 Resp: 55690
 Ion Ratio Lower Upper
 96 100
 61 176.7 133.8 248.6
 63 144.1 115.2 214.0





#13

Acetone

Concen: 104.667 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

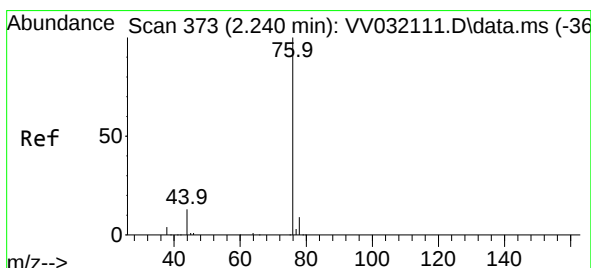
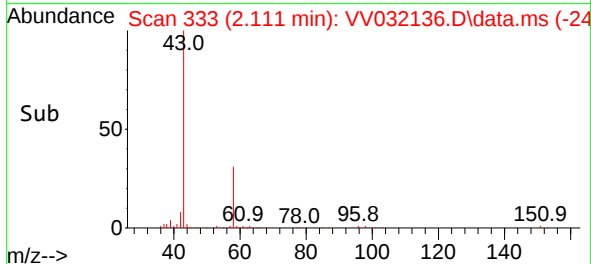
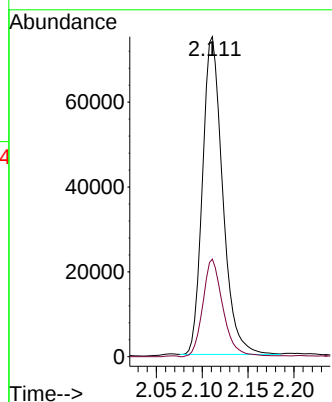
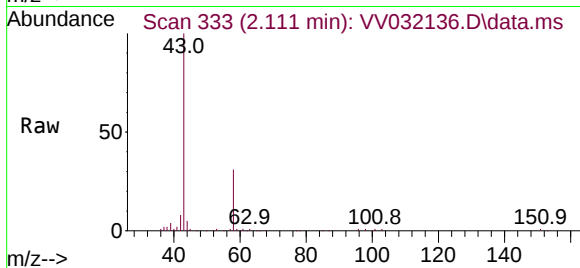
ClientSampleId :

Tgt Ion: 43 Resp: 114670

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.0



#14

Carbon disulfide

Concen: 38.173 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

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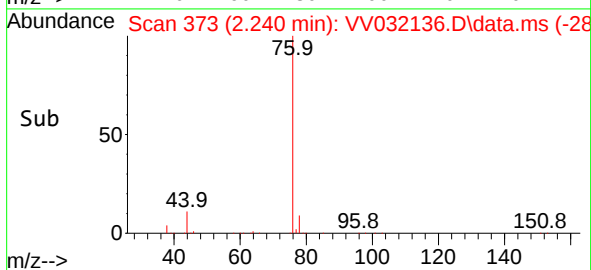
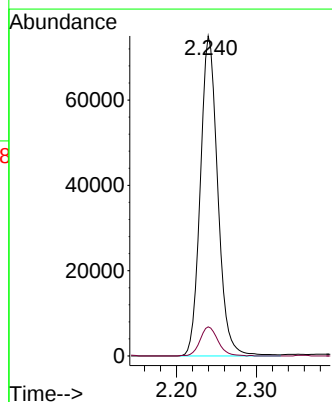
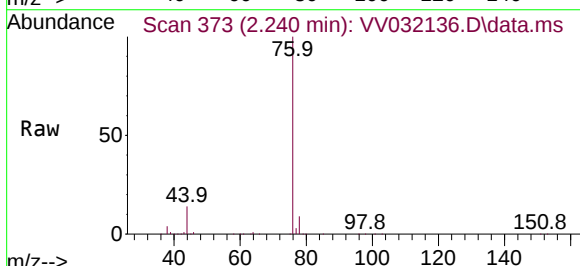
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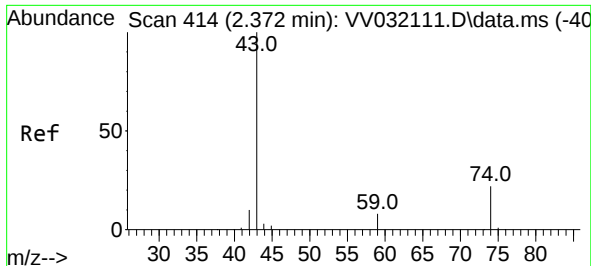
Tgt Ion: 76 Resp: 114000

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

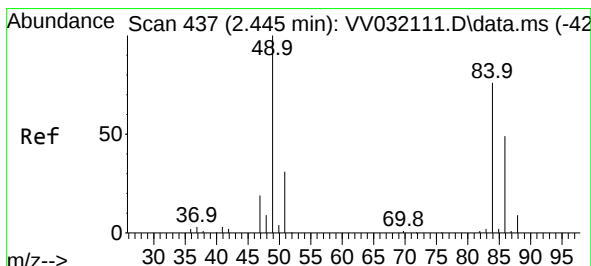
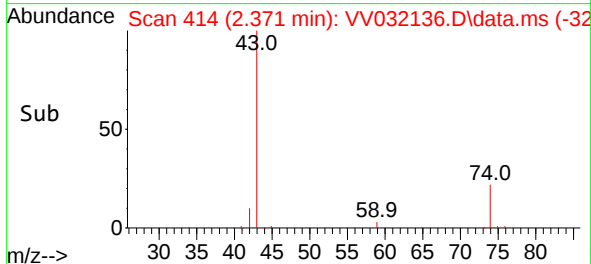
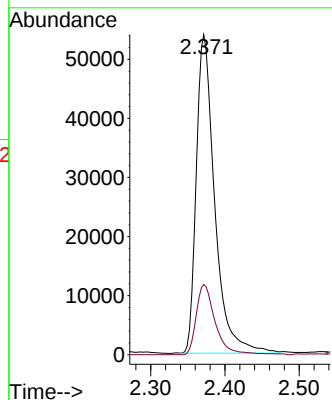
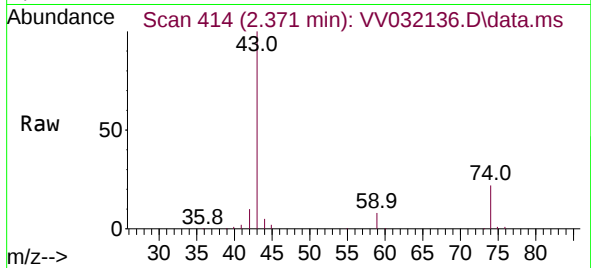




#15
Methyl Acetate
Concen: 47.730 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

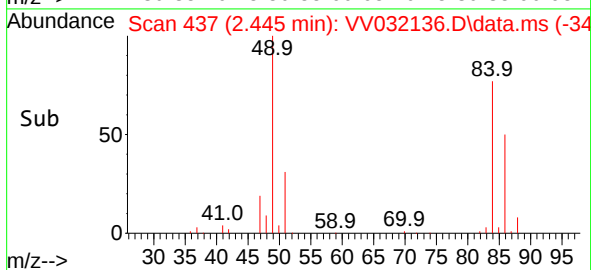
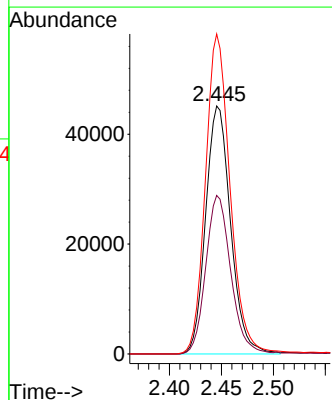
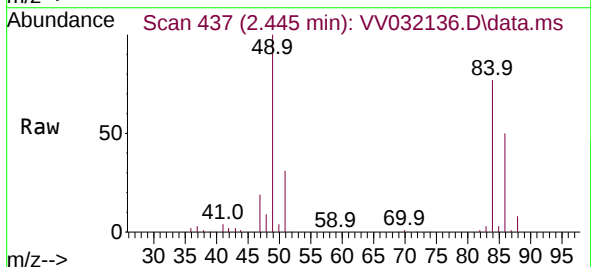
Instrument :
MSVOA_V
ClientSampleId :

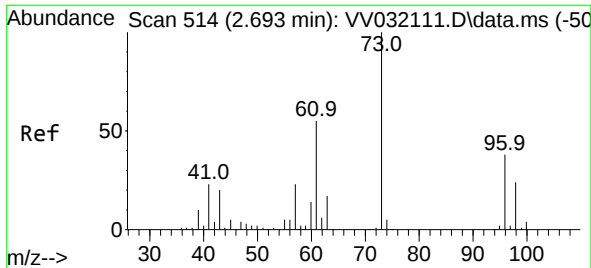
Tgt Ion: 43 Resp: 93261
Ion Ratio Lower Upper
43 100
74 22.5 17.9 26.9



#16
Methylene chloride
Concen: 44.789 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

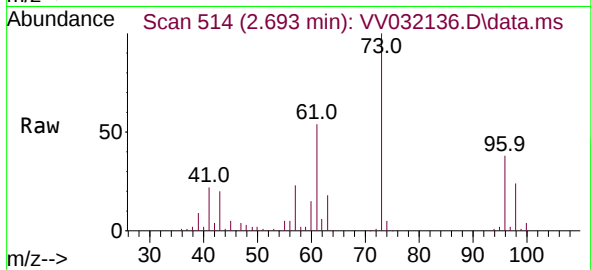
Tgt Ion: 84 Resp: 75435
Ion Ratio Lower Upper
84 100
86 64.0 44.6 82.8
49 129.1 91.6 170.2



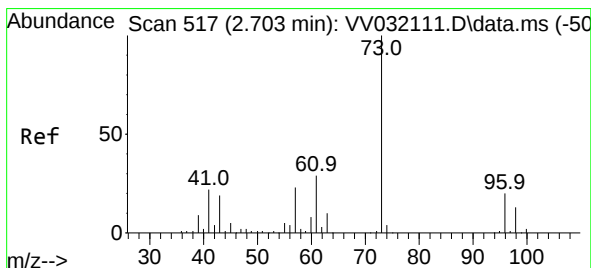
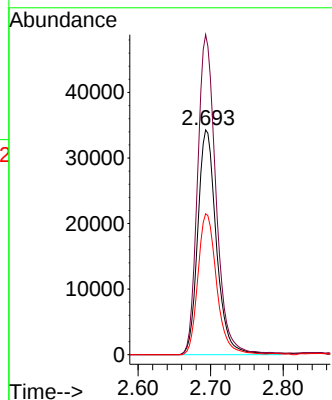
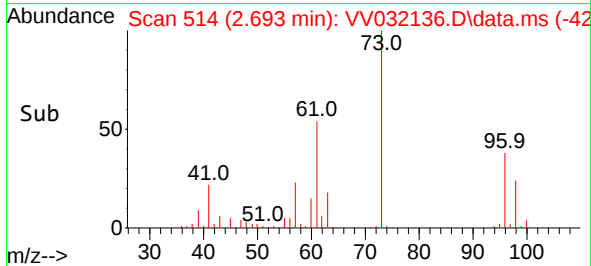


#17
trans-1,2-Dichloroethene
Concen: 42.574 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Instrument :
MSVOA_V
ClientSampleId :

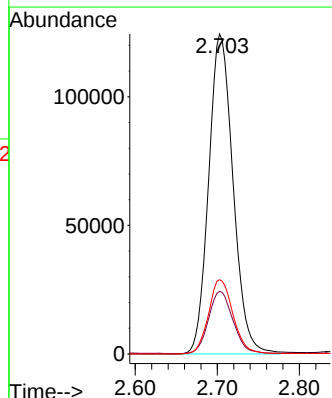
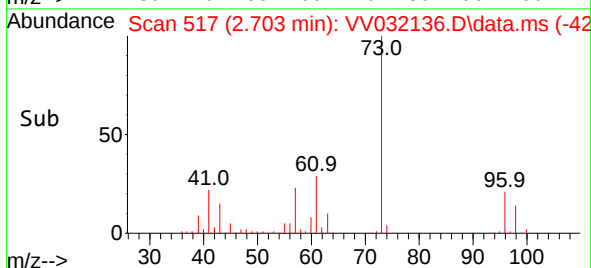
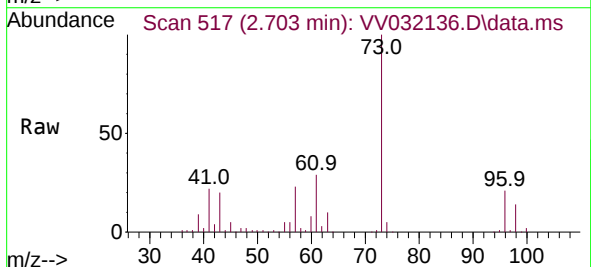


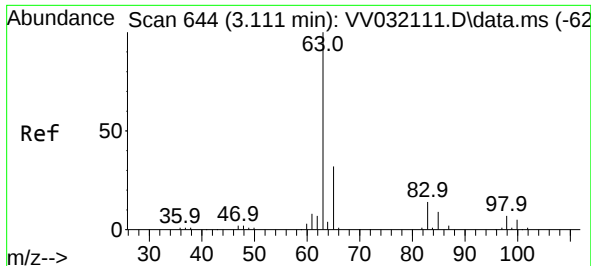
Tgt Ion: 96 Resp: 61175
Ion Ratio Lower Upper
96 100
61 142.4 107.3 199.3
98 62.8 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 42.340 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion: 73 Resp: 257123
Ion Ratio Lower Upper
73 100
43 19.4 16.6 25.0
57 23.4 17.6 26.4





#19

1,1-Dichloroethane

Concen: 45.051 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

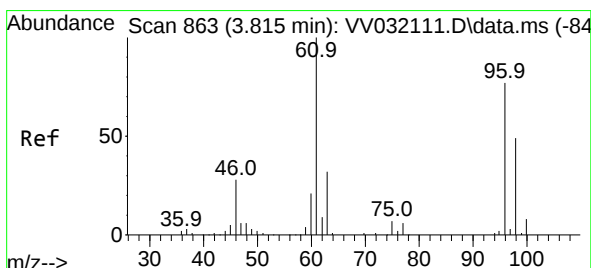
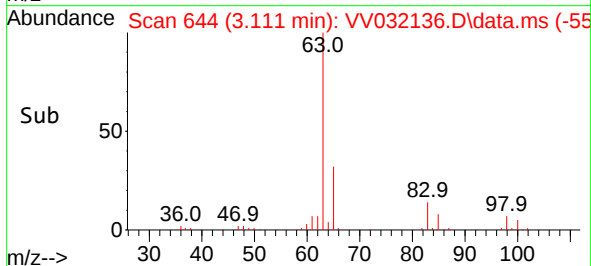
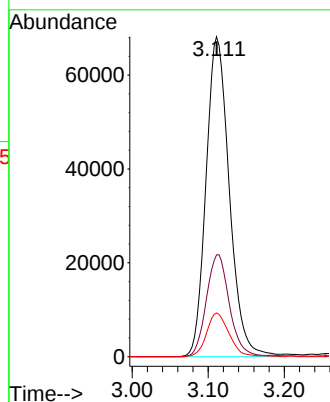
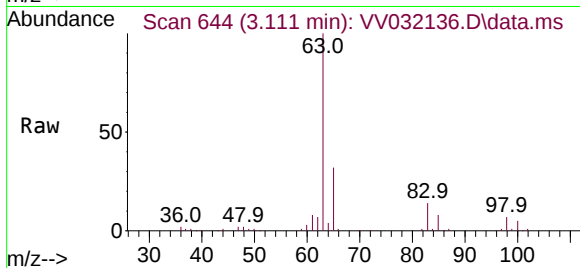
Tgt Ion: 63 Resp: 145071

Ion Ratio Lower Upper

63 100

65 31.8 22.4 41.6

83 13.7 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 44.618 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

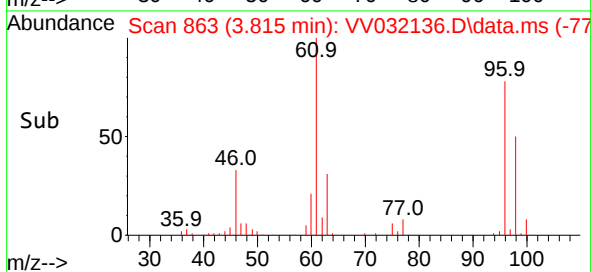
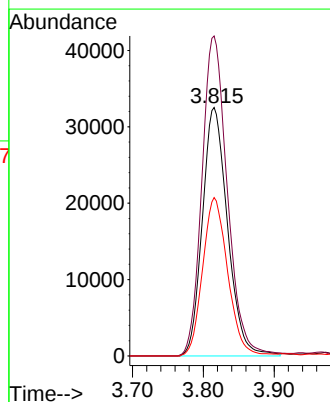
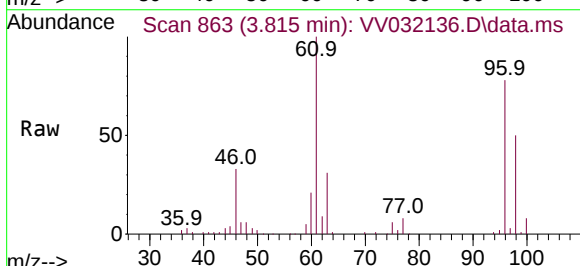
Tgt Ion: 96 Resp: 80433

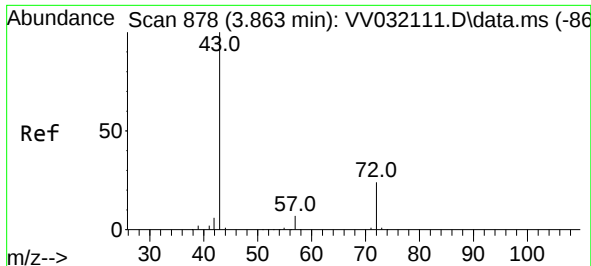
Ion Ratio Lower Upper

96 100

61 128.8 97.3 180.7

98 63.8 45.3 84.1

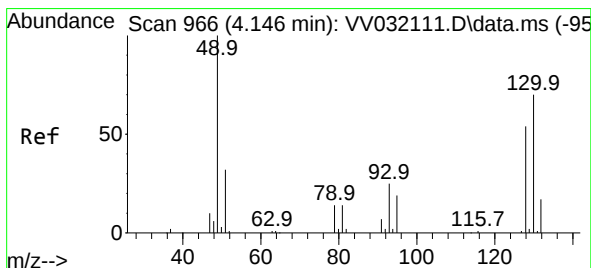
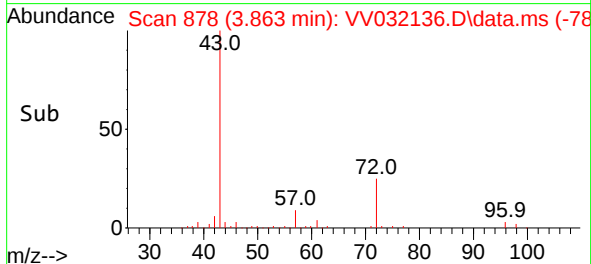
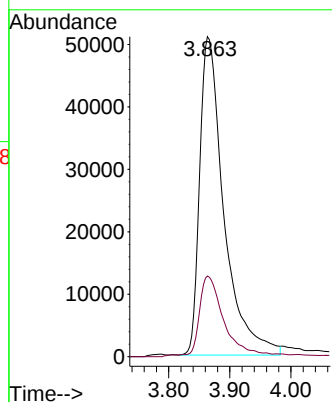
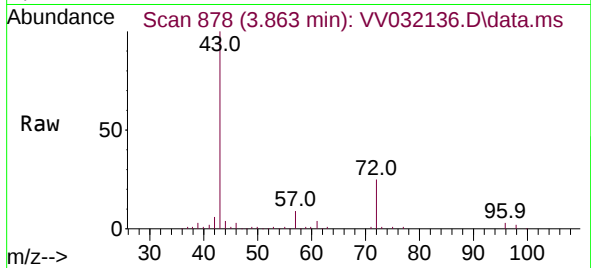




#22
2-Butanone
Concen: 96.934 ug/L
RT: 3.863 min Scan# 878
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

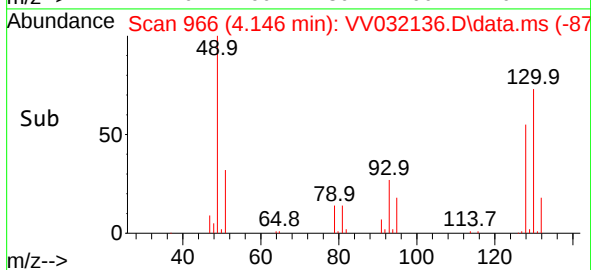
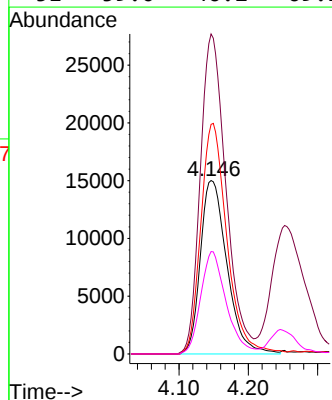
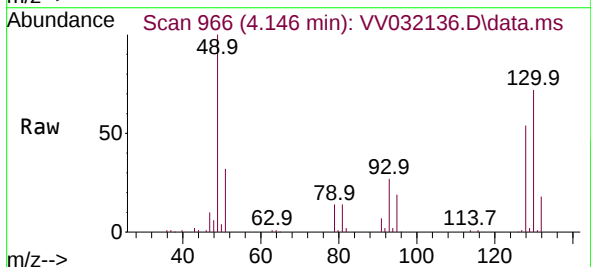
Instrument :
MSVOA_V
ClientSampleId :

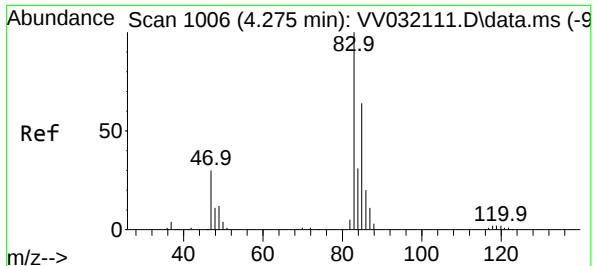
Tgt Ion: 43 Resp: 140525
Ion Ratio Lower Upper
43 100
72 24.1 12.6 37.8



#23
Bromochloromethane
Concen: 45.738 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion:128 Resp: 40003
Ion Ratio Lower Upper
128 100
49 184.5 127.8 237.4
130 132.4 90.1 167.3
51 59.0 46.2 69.2

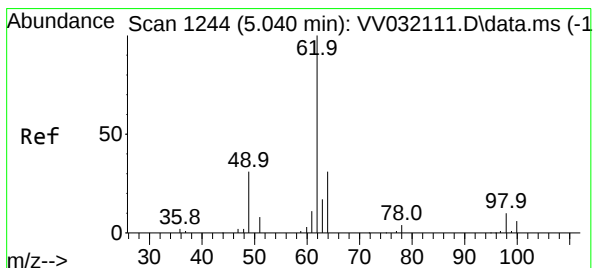
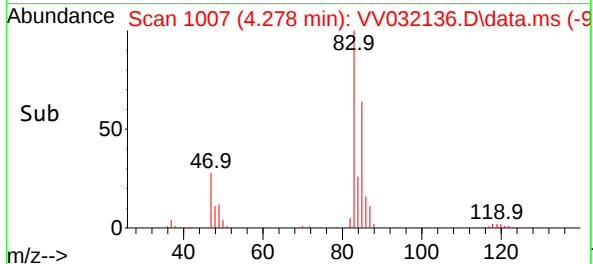
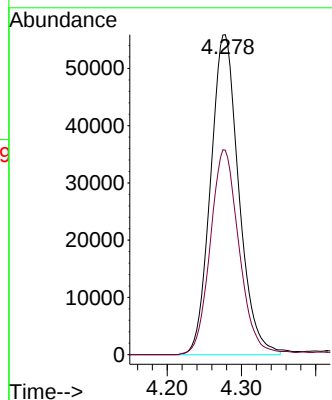
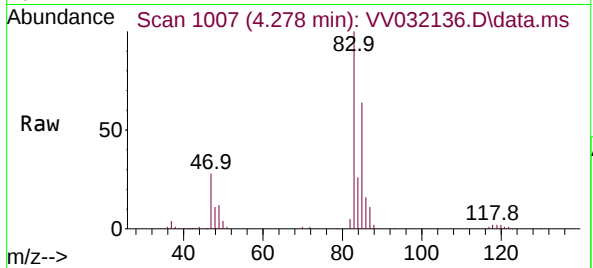




#25
Chloroform
Concen: 44.038 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

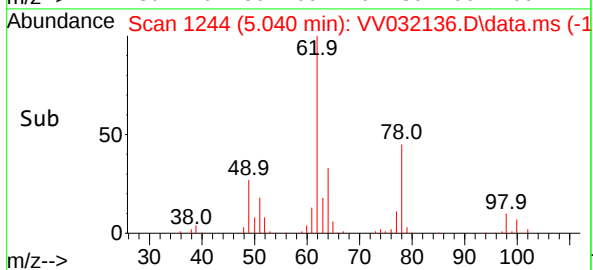
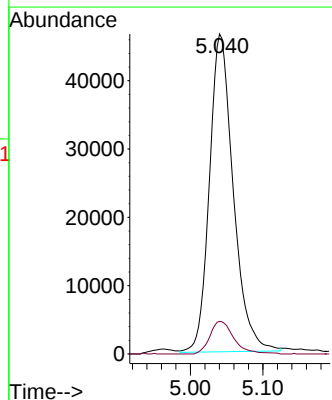
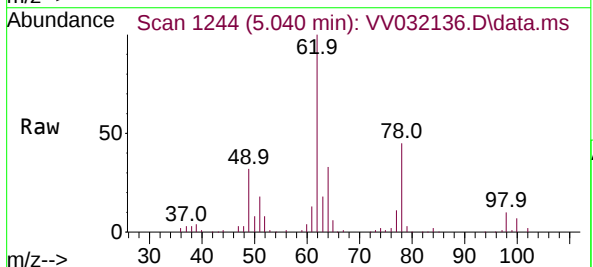
Instrument :
MSVOA_V
ClientSampleId :

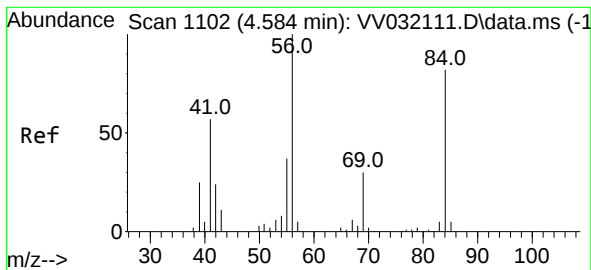
Tgt Ion: 83 Resp: 147441
Ion Ratio Lower Upper
83 100
85 63.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 40.323 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion: 62 Resp: 106360
Ion Ratio Lower Upper
62 100
98 10.2 7.0 10.4





#29

Cyclohexane

Concen: 40.679 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

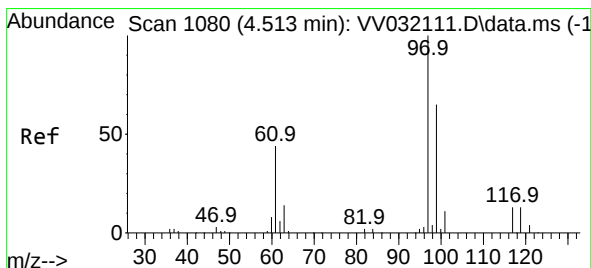
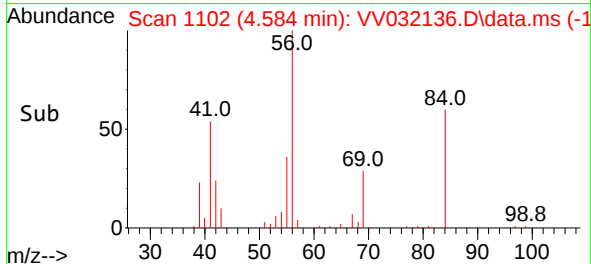
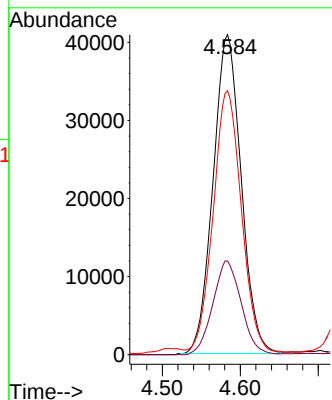
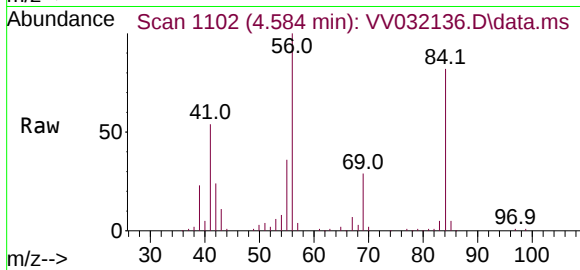
Tgt Ion: 56 Resp: 102403

Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.4

84 83.3 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 42.883 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

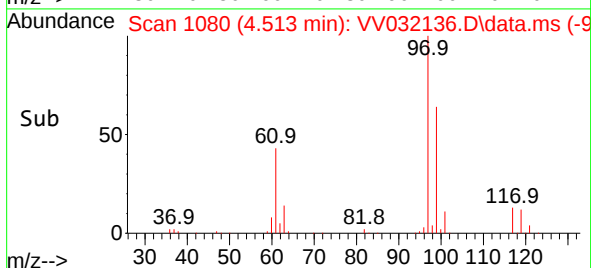
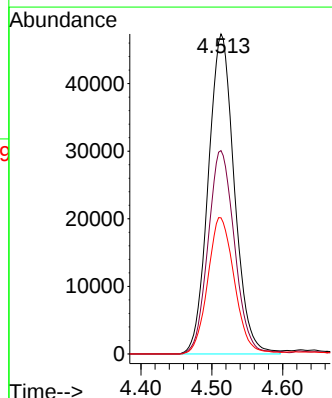
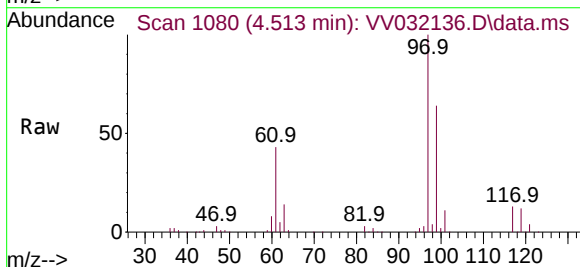
Tgt Ion: 97 Resp: 120936

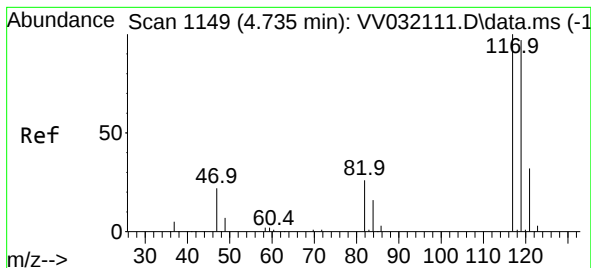
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 43.6 36.5 54.7





#31

Carbon tetrachloride

Concen: 41.757 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

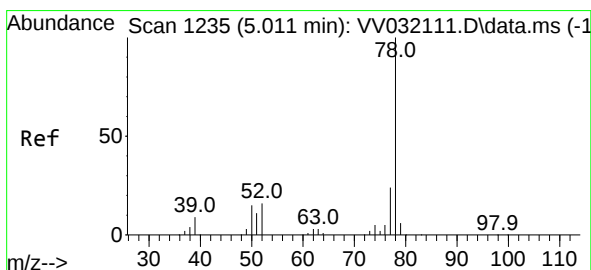
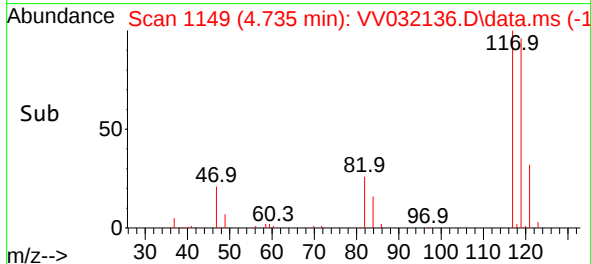
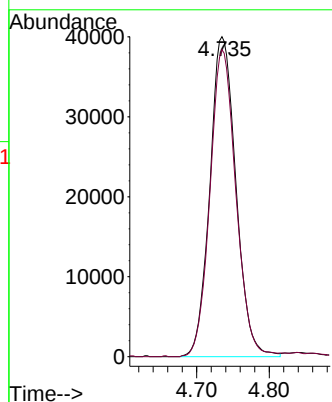
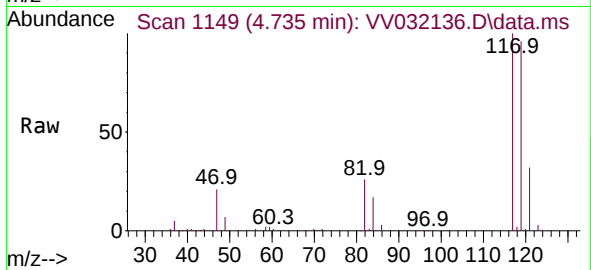
ClientSampleId :

Tgt Ion:117 Resp: 99994

Ion Ratio Lower Upper

117 100

119 95.3 75.4 113.2



#33

Benzene

Concen: 44.347 ug/L

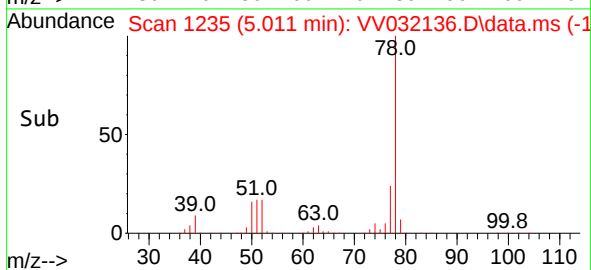
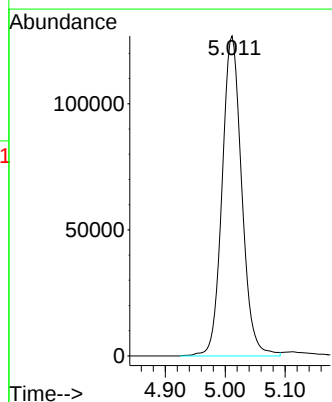
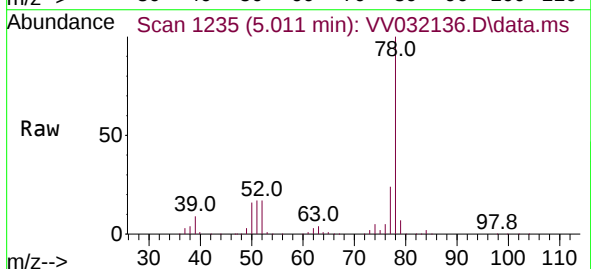
RT: 5.011 min Scan# 1235

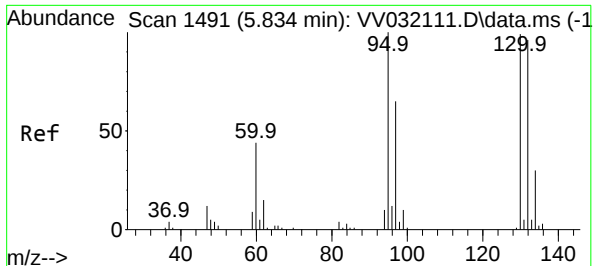
Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Tgt Ion: 78 Resp: 288095





#34

Trichloroethene

Concen: 41.213 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

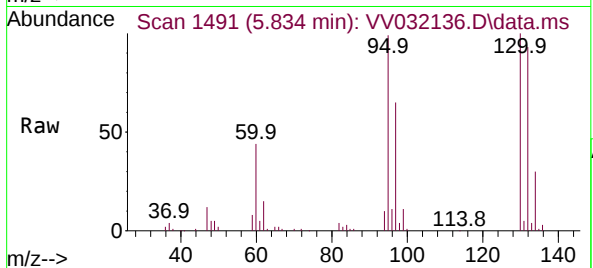
Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 81881

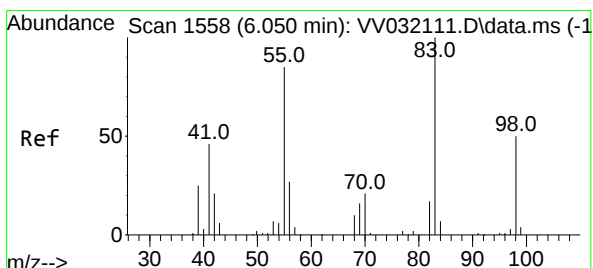
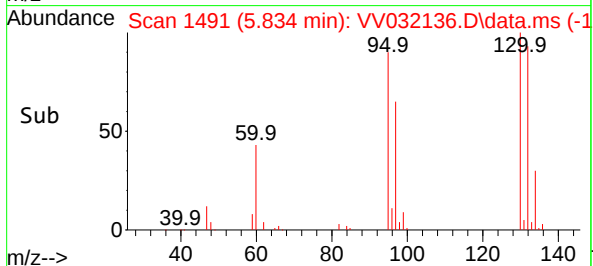
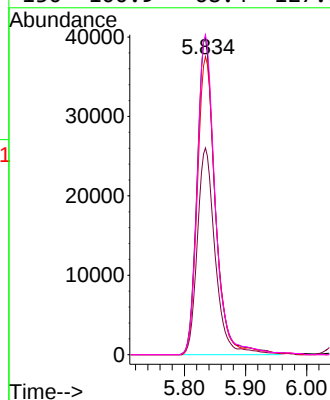
Ion Ratio Lower Upper

95 100

97 65.2 45.4 84.2

132 94.0 65.4 121.4

130 100.9 68.4 127.0



#35

Methylcyclohexane

Concen: 40.915 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

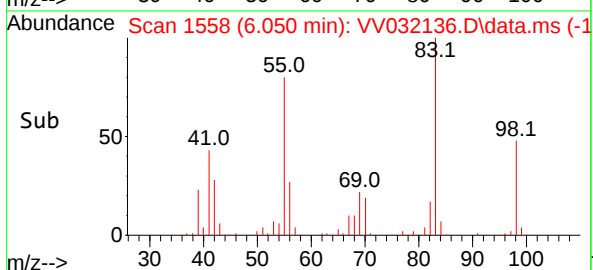
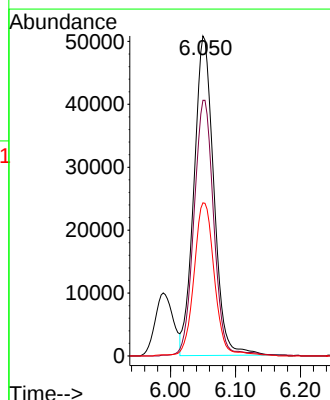
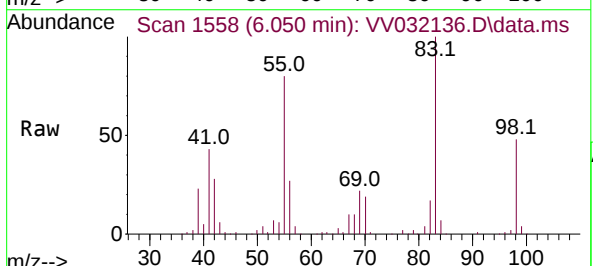
Tgt Ion: 83 Resp: 108122

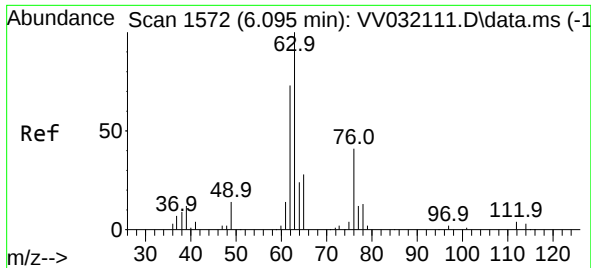
Ion Ratio Lower Upper

83 100

55 78.7 62.2 93.2

98 47.5 36.7 55.1





#37

1,2-Dichloropropane

Concen: 46.232 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

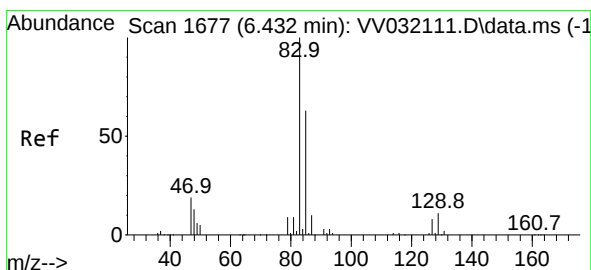
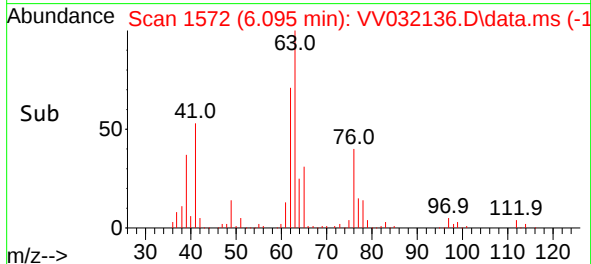
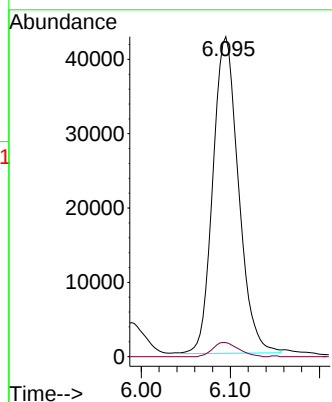
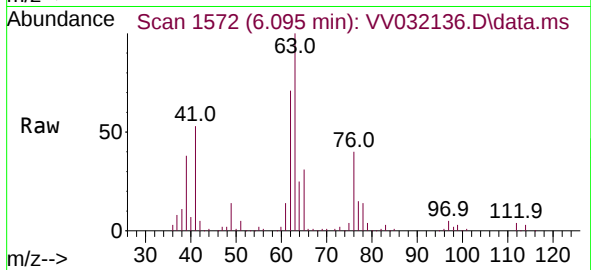
ClientSampleId :

Tgt Ion: 63 Resp: 85129

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 43.734 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

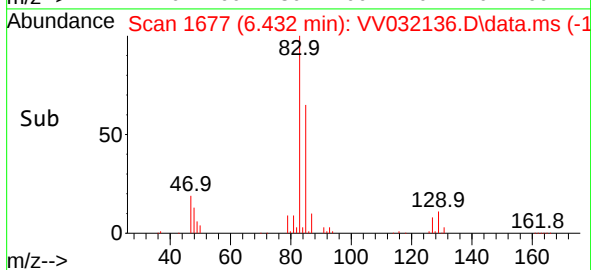
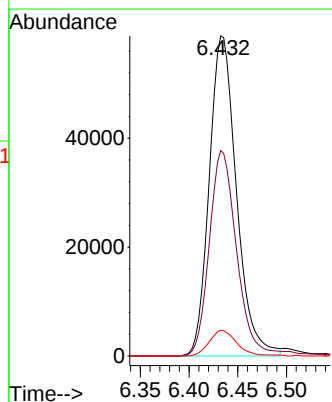
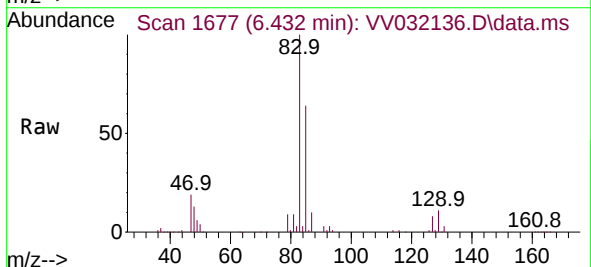
Tgt Ion: 83 Resp: 114305

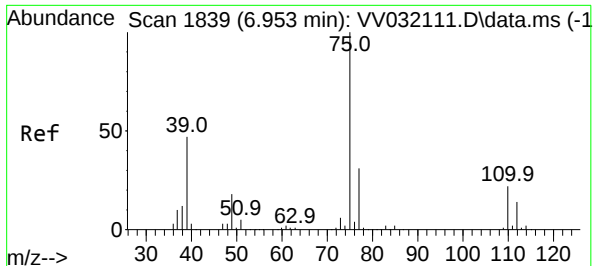
Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 43.291 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

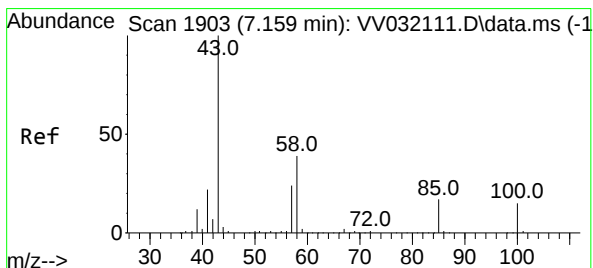
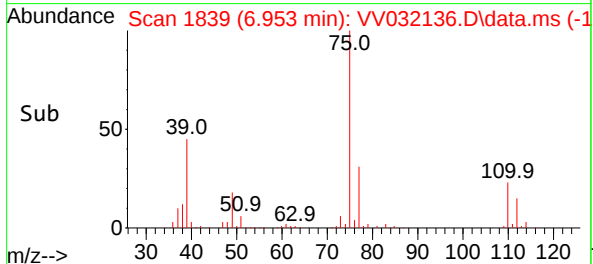
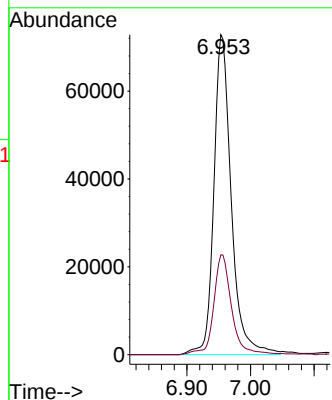
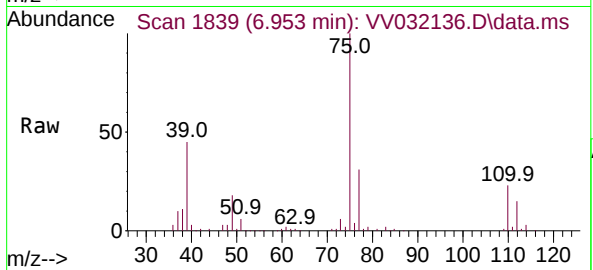
ClientSampleId :

Tgt Ion: 75 Resp: 138591

Ion Ratio Lower Upper

75 100

77 31.2 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 92.790 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

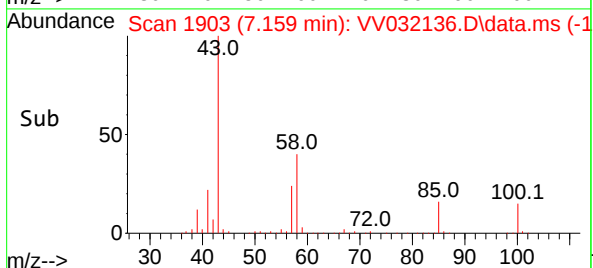
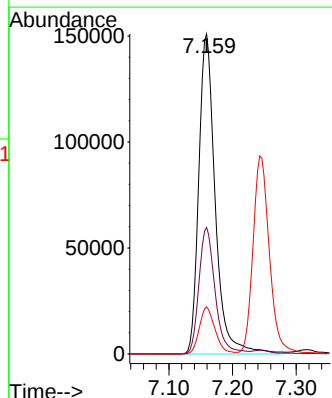
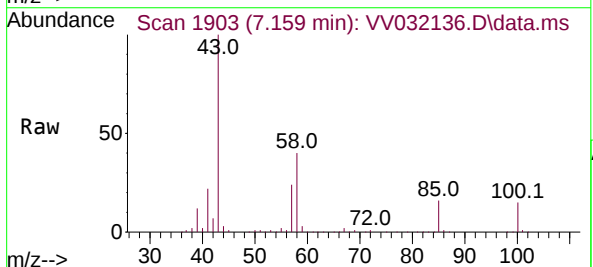
Tgt Ion: 43 Resp: 271188

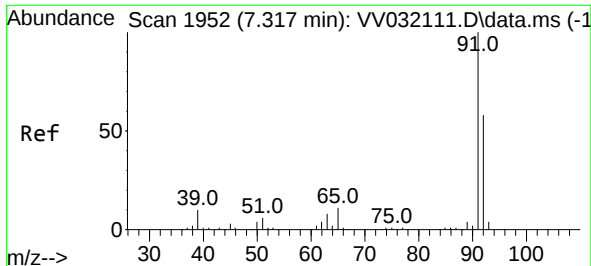
Ion Ratio Lower Upper

43 100

58 39.0 31.1 46.7

100 14.1 11.9 17.9

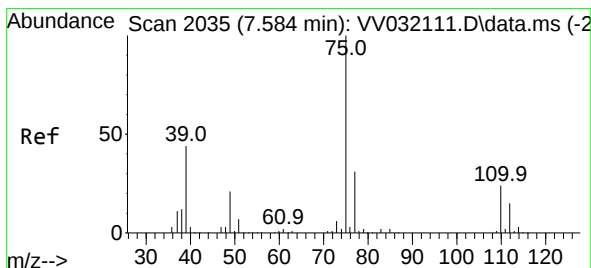
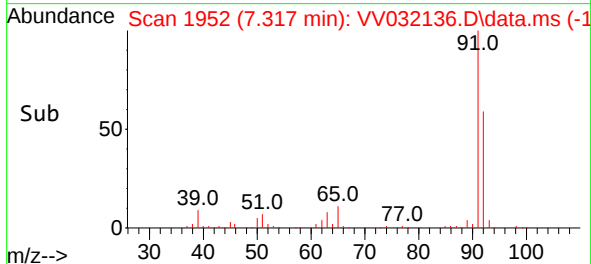
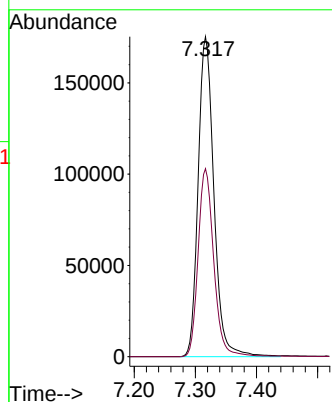
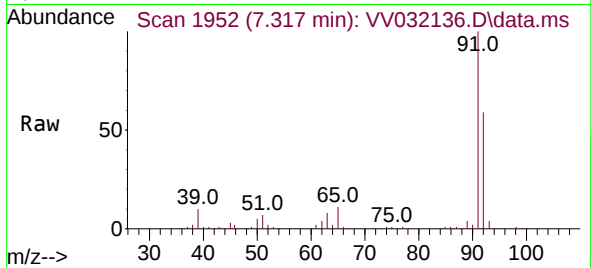




#42
Toluene
Concen: 44.037 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

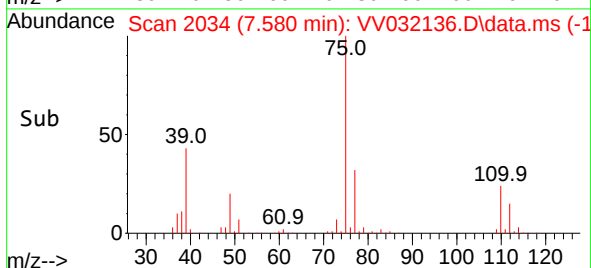
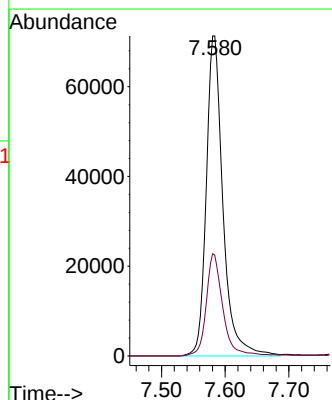
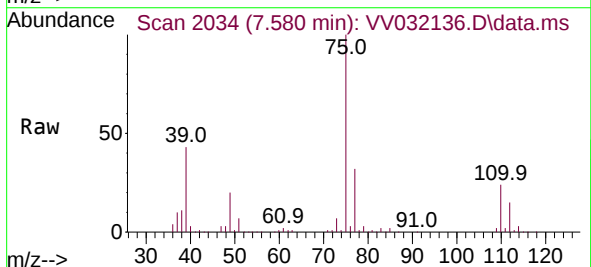
Instrument :
MSVOA_V
ClientSampleId :

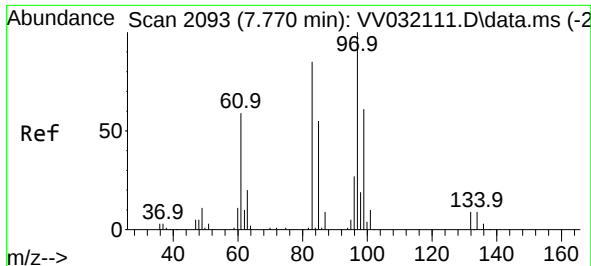
Tgt Ion: 91 Resp: 314692
Ion Ratio Lower Upper
91 100
92 58.8 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 42.265 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion: 75 Resp: 130006
Ion Ratio Lower Upper
75 100
77 32.0 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 47.808 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 88936

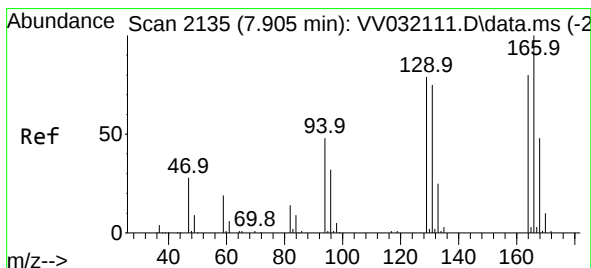
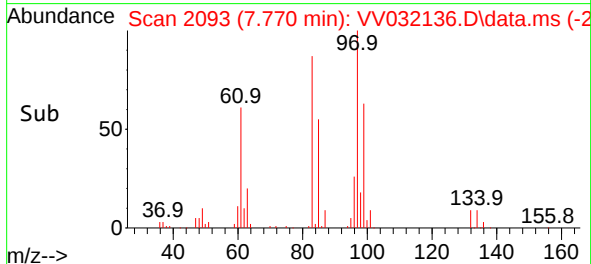
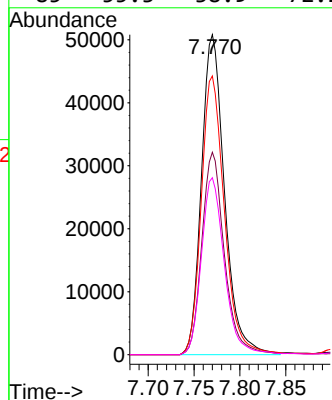
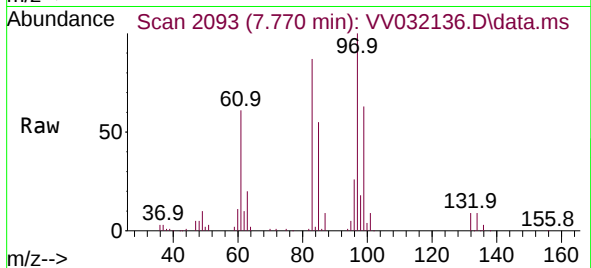
Ion Ratio Lower Upper

97 100

99 63.3 43.0 79.8

83 87.1 61.2 113.6

85 55.3 38.9 72.2



#46

Tetrachloroethene

Concen: 45.076 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Tgt Ion:164 Resp: 56233

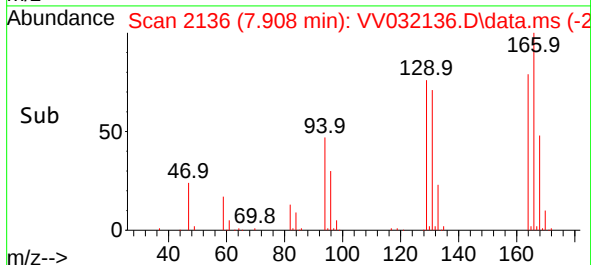
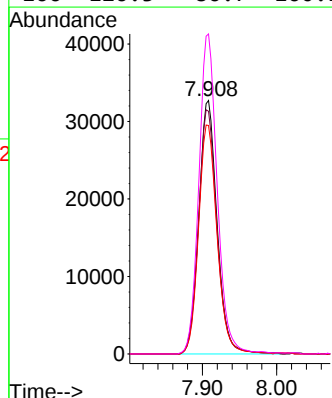
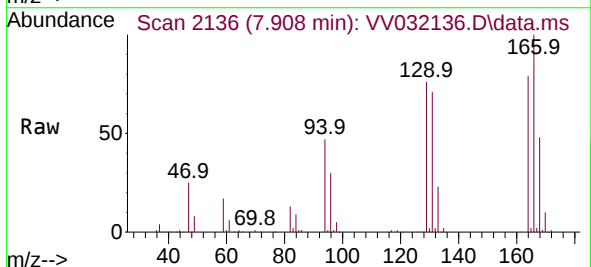
Ion Ratio Lower Upper

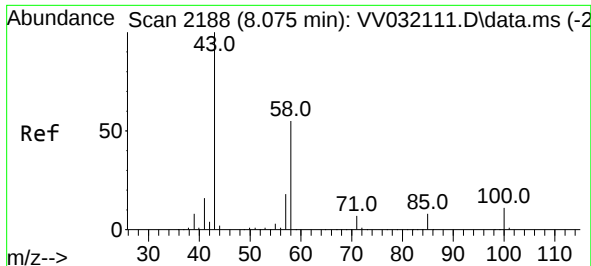
164 100

129 95.8 68.3 126.9

131 90.1 64.9 120.5

166 126.3 86.7 160.9

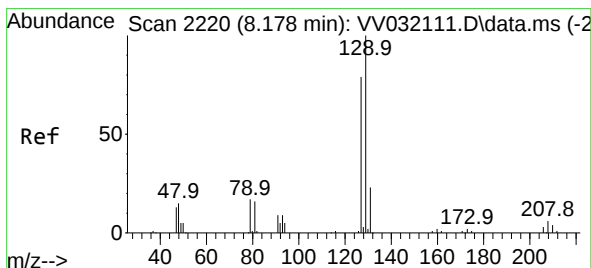
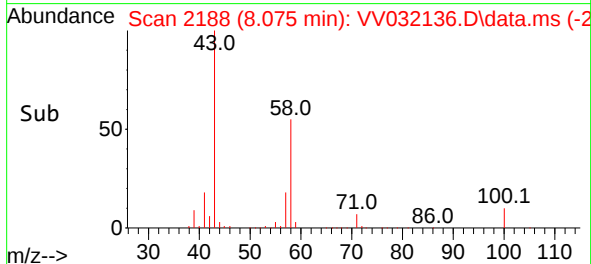
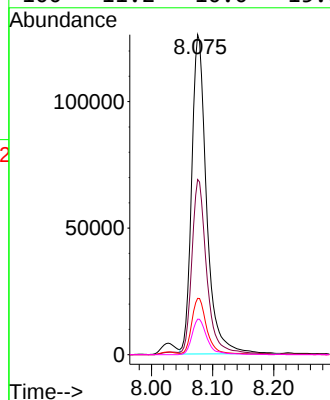
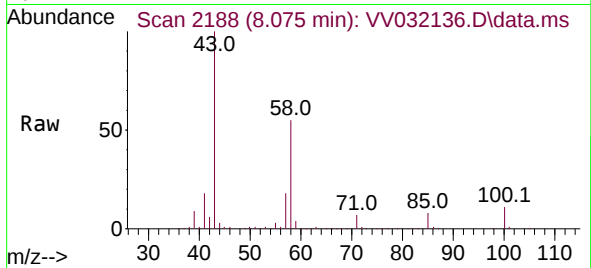




#48
2-Hexanone
Concen: 95.925 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

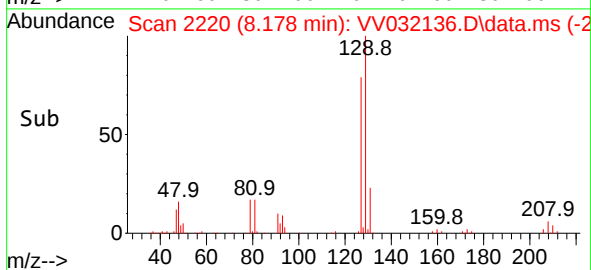
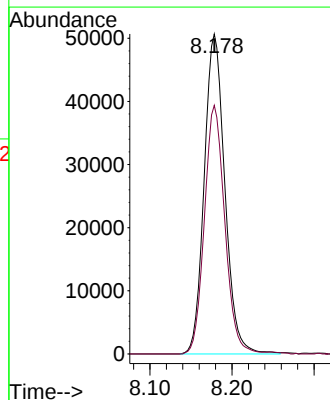
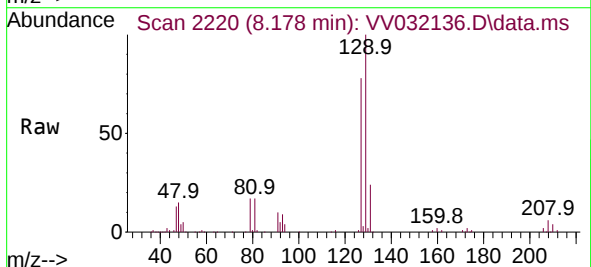
Instrument :
MSVOA_V
ClientSampleId :

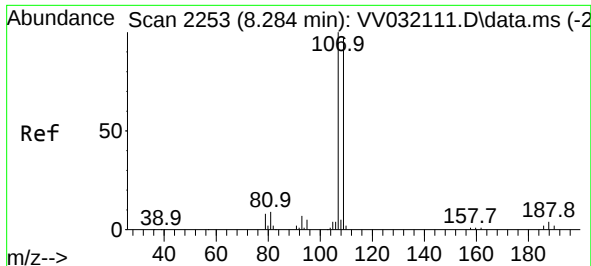
Tgt Ion: 43 Resp: 214094
Ion Ratio Lower Upper
43 100
58 53.5 44.0 66.0
57 17.0 15.9 23.9
100 11.2 10.0 15.0



#49
Dibromochloromethane
Concen: 46.325 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion: 129 Resp: 88557
Ion Ratio Lower Upper
129 100
127 77.7 54.7 101.7





#50

1,2-Dibromoethane

Concen: 45.578 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

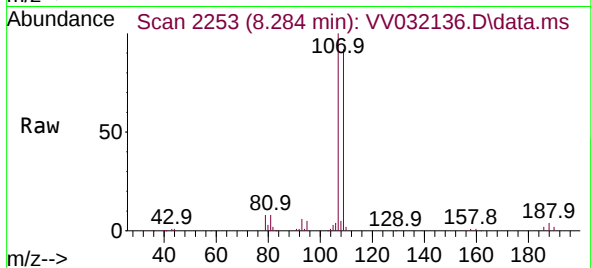
Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

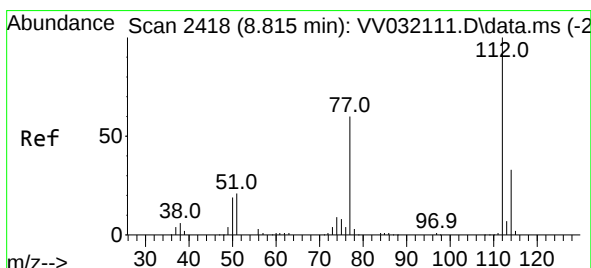
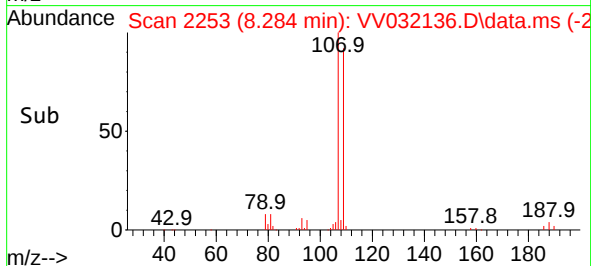
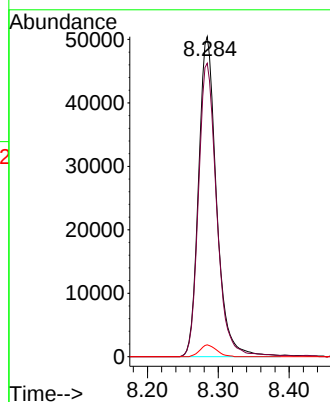
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	88807
Ion	Ratio	Lower	Upper
107	100		
109	91.7	65.4	121.4
188	3.7	2.8	4.2



#51

Chlorobenzene

Concen: 45.229 ug/L

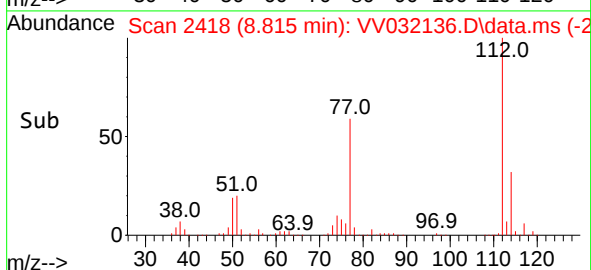
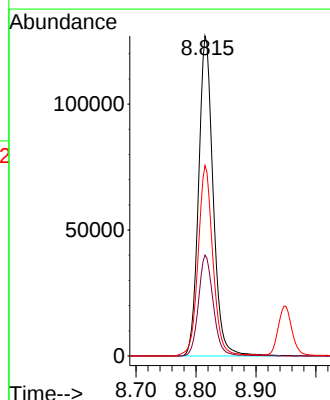
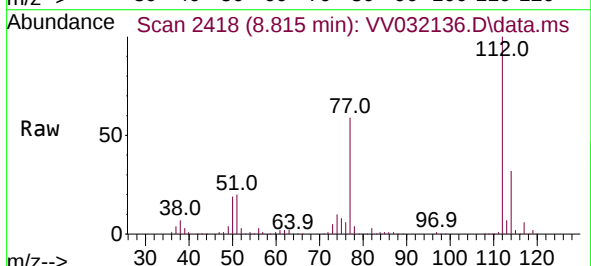
RT: 8.815 min Scan# 2418

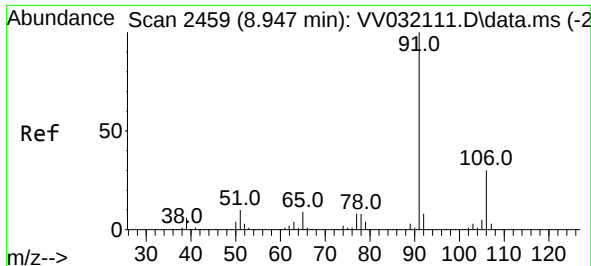
Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Tgt Ion:	112	Resp:	214765
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.0	40.8
77	59.5	49.4	74.0

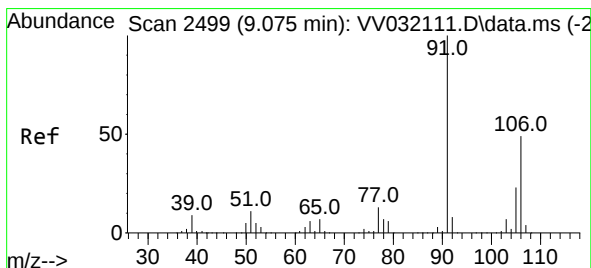
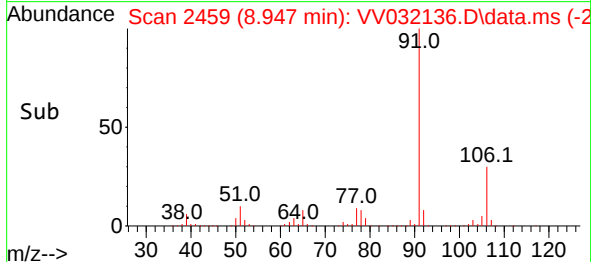
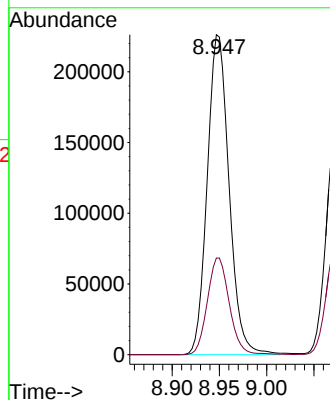
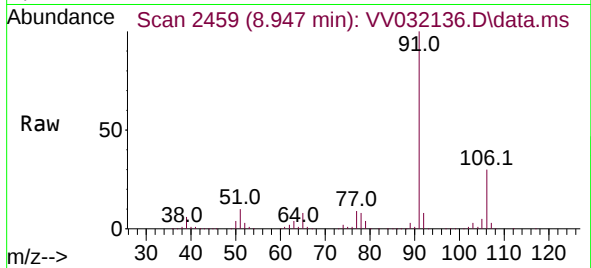




#52
Ethylbenzene
Concen: 42.909 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

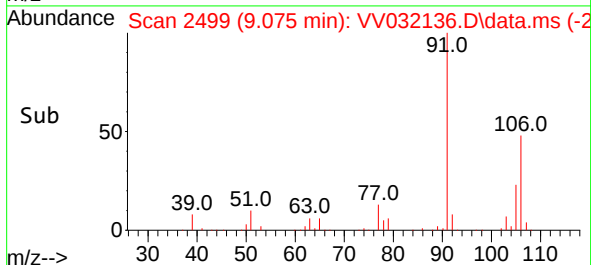
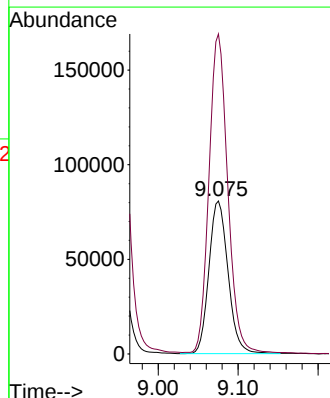
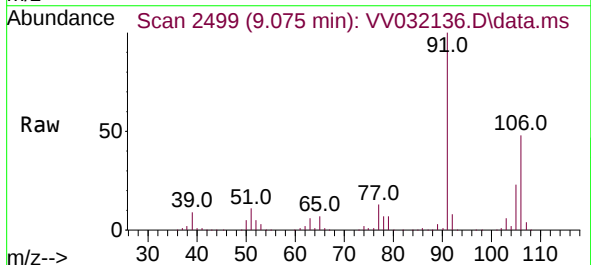
Instrument :
MSVOA_V
ClientSampleId :

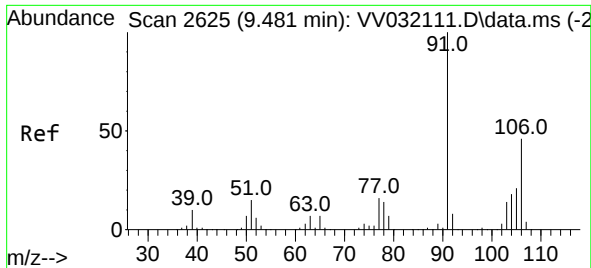
Tgt Ion: 91 Resp: 363223
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 42.664 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion: 106 Resp: 134092
Ion Ratio Lower Upper
106 100
91 209.2 147.0 273.0

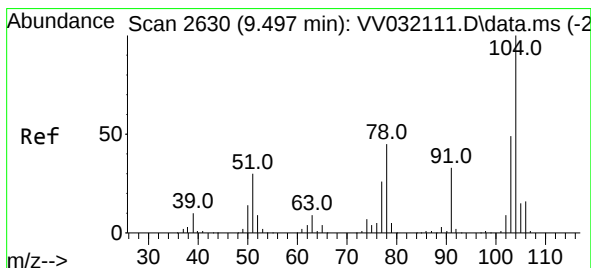
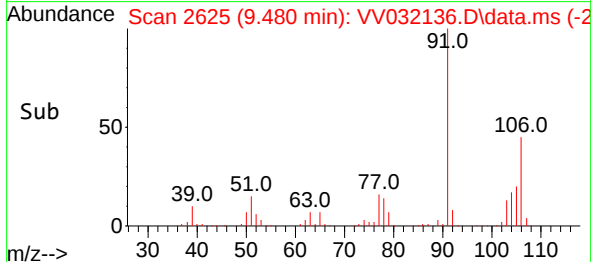
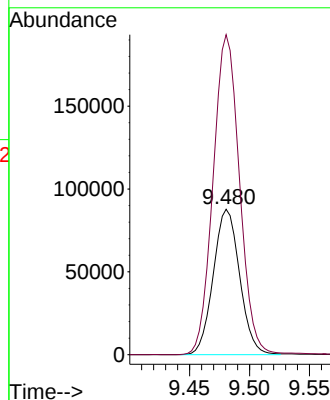
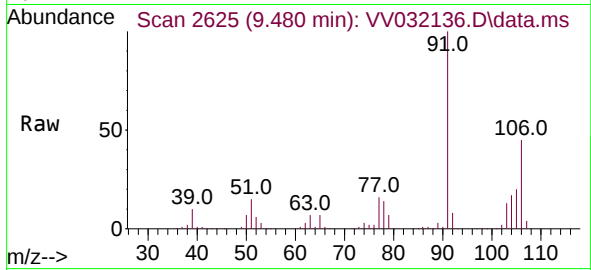




#54
o-Xylene
Concen: 42.904 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

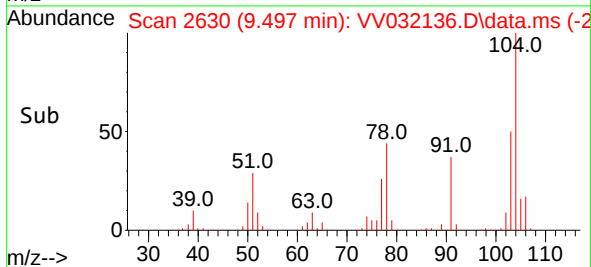
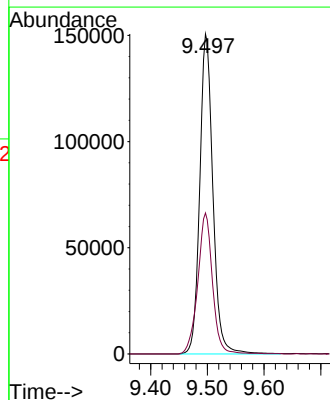
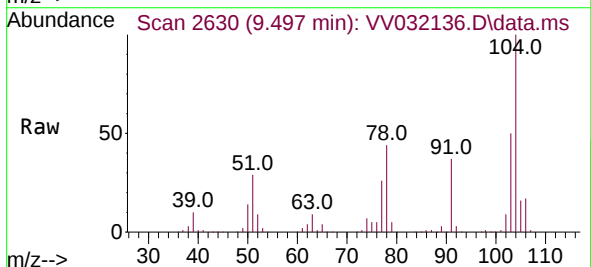
Instrument :
MSVOA_V
ClientSampleId :

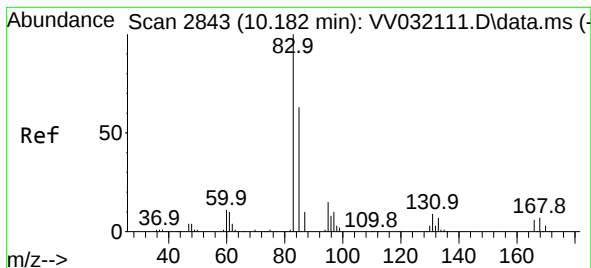
Tgt Ion:106 Resp: 134115
Ion Ratio Lower Upper
106 100
91 219.9 154.3 286.5



#55
Styrene
Concen: 43.918 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion:104 Resp: 242696
Ion Ratio Lower Upper
104 100
78 44.1 32.3 59.9

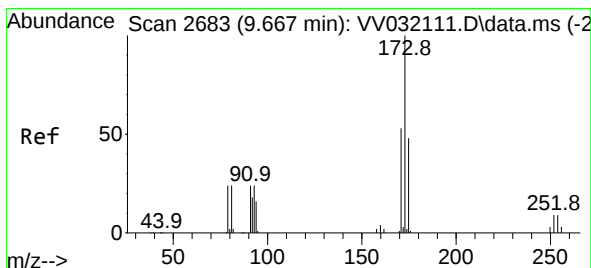
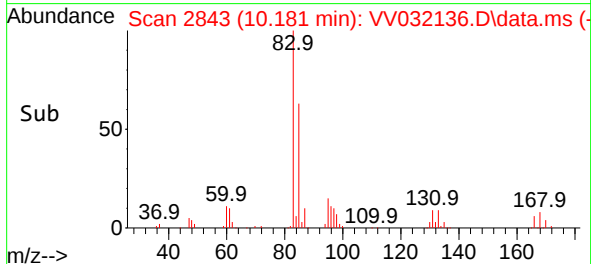
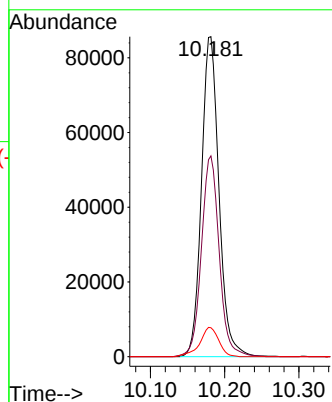
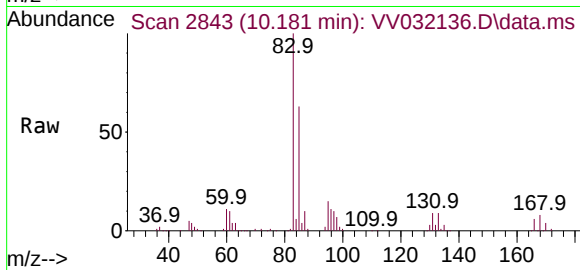




#57
1,1,2,2-Tetrachloroethane
Concen: 53.135 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

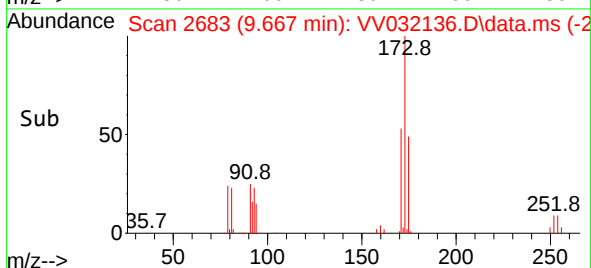
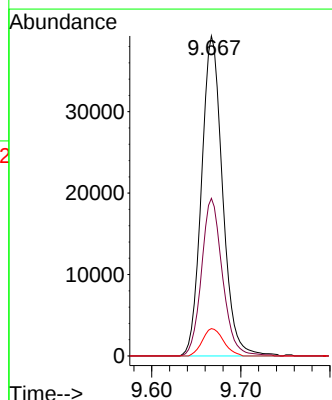
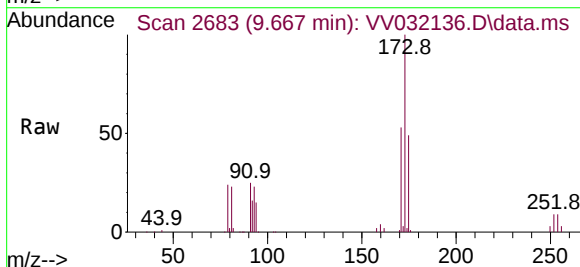
Instrument :
MSVOA_V
ClientSampleId :

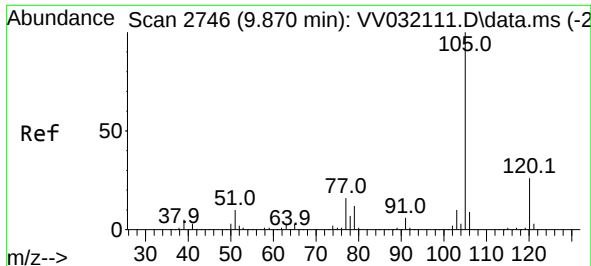
Tgt Ion: 83 Resp: 139929
Ion Ratio Lower Upper
83 100
85 62.7 45.1 83.9
131 9.1 7.4 11.2



#59
Bromoform
Concen: 47.130 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

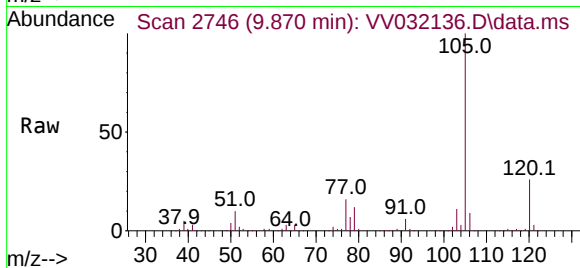
Tgt Ion: 173 Resp: 64390
Ion Ratio Lower Upper
173 100
175 49.0 38.3 57.5
254 8.6 6.9 10.3



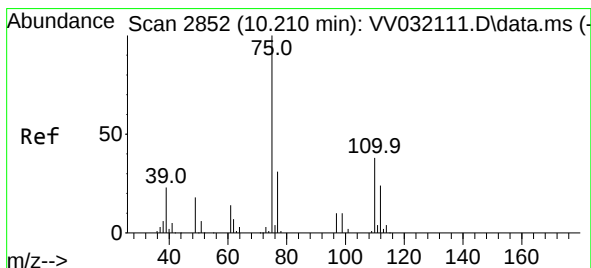
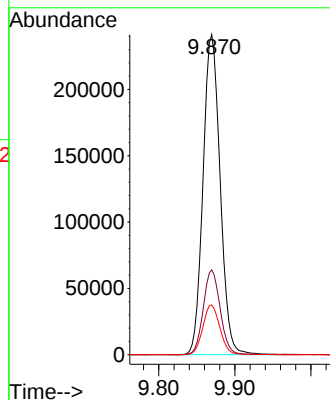
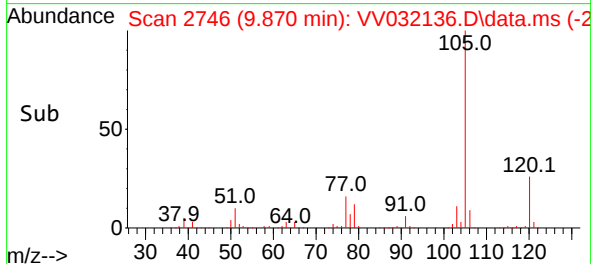


#60
Isopropylbenzene
Concen: 42.756 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

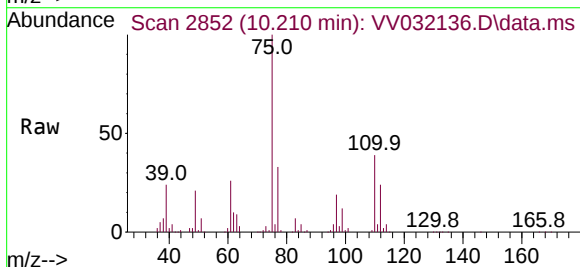
Instrument :
MSVOA_V
ClientSampleId :



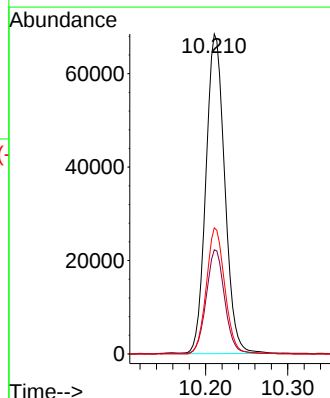
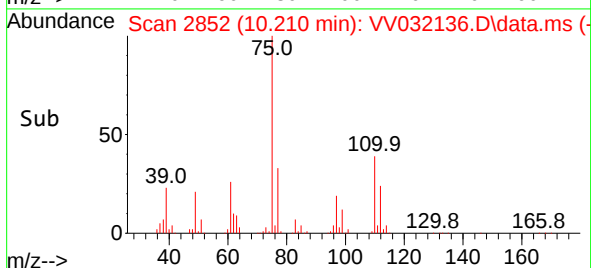
Tgt Ion:105 Resp: 377289
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 15.6 12.8 19.2

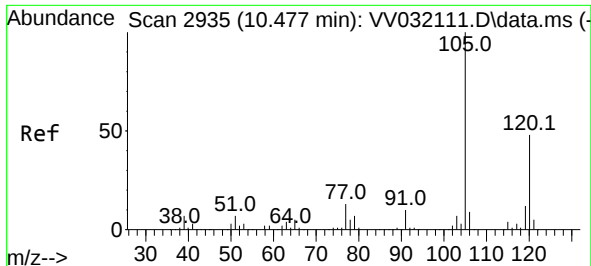


#61
1,2,3-Trichloropropane
Concen: 43.847 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42



Tgt Ion: 75 Resp: 109140
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5
110 38.7 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 41.704 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

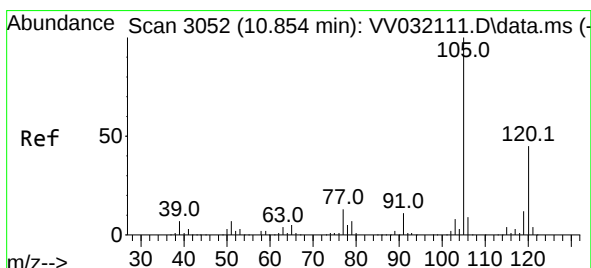
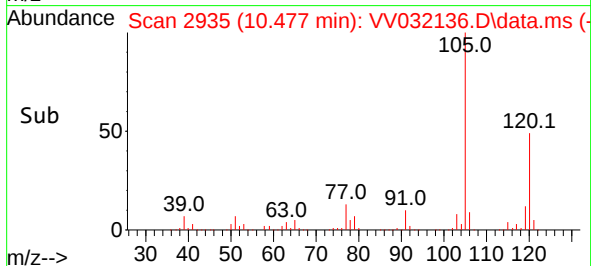
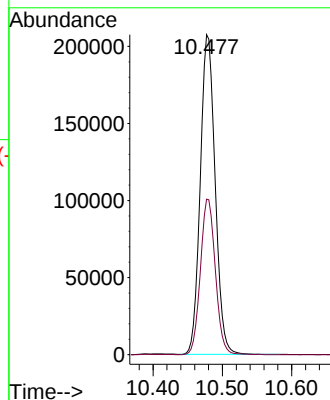
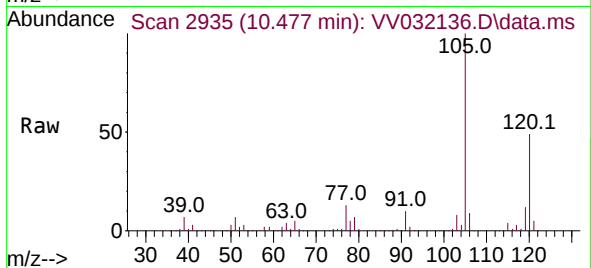
ClientSampleId :

Tgt Ion:105 Resp: 309606

Ion Ratio Lower Upper

105 100

120 48.9 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 41.752 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032136.D

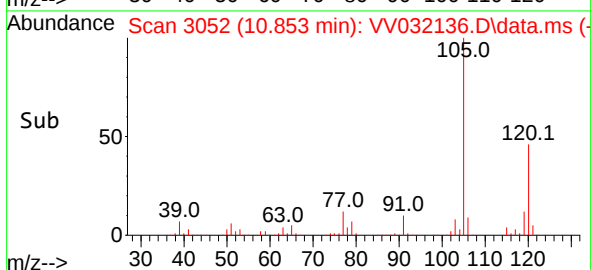
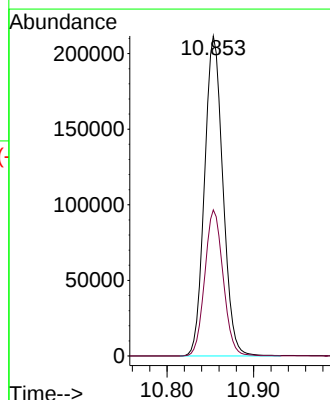
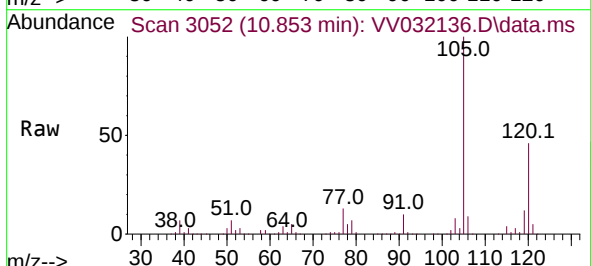
Acq: 20 Sep 2023 10:42

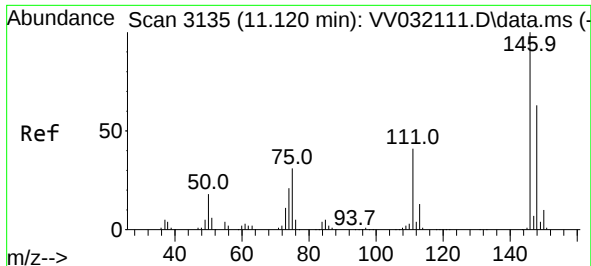
Tgt Ion:105 Resp: 311814

Ion Ratio Lower Upper

105 100

120 45.7 35.9 53.9

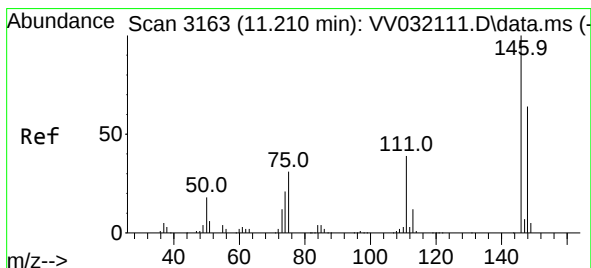
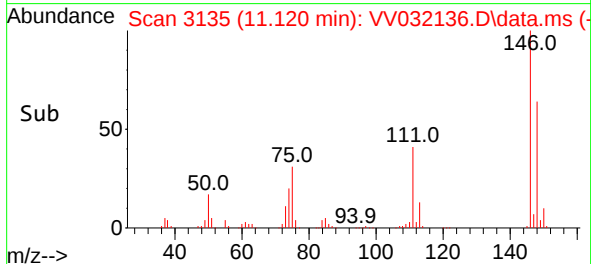
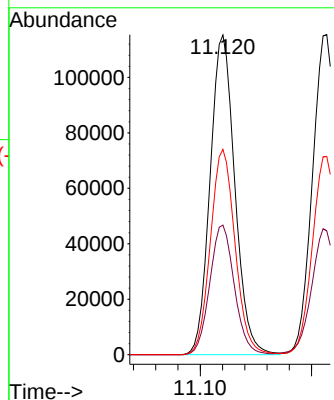
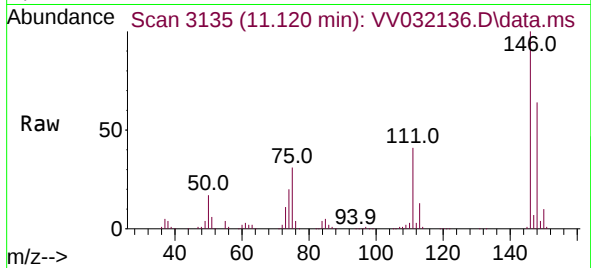




#64
1,3-Dichlorobenzene
Concen: 44.927 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

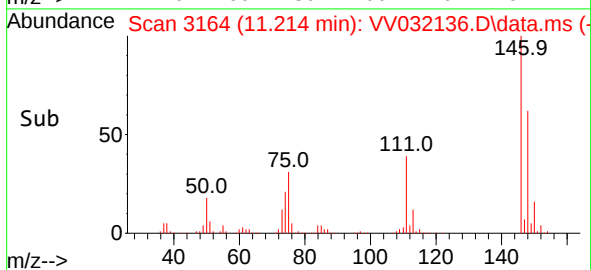
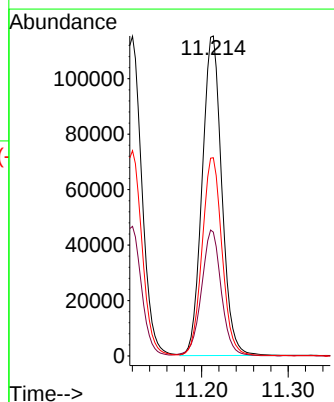
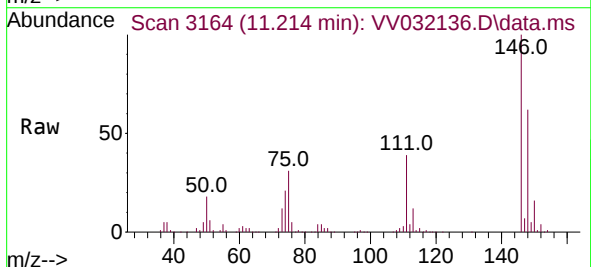
Instrument :
MSVOA_V
ClientSampleId :

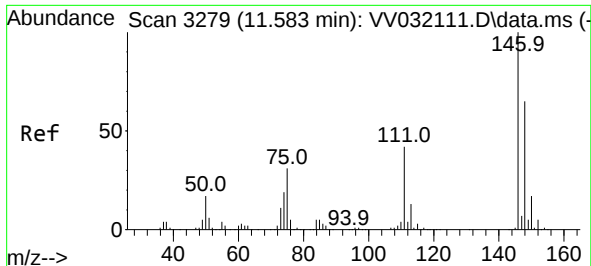
Tgt Ion:146 Resp: 177677
Ion Ratio Lower Upper
146 100
111 40.6 30.2 56.0
148 64.2 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 45.057 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032136.D
Acq: 20 Sep 2023 10:42

Tgt Ion:146 Resp: 181190
Ion Ratio Lower Upper
146 100
111 38.7 28.5 52.9
148 61.9 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 46.157 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

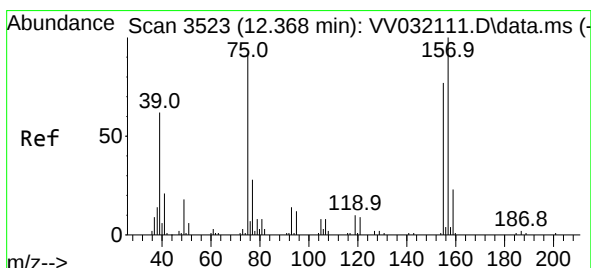
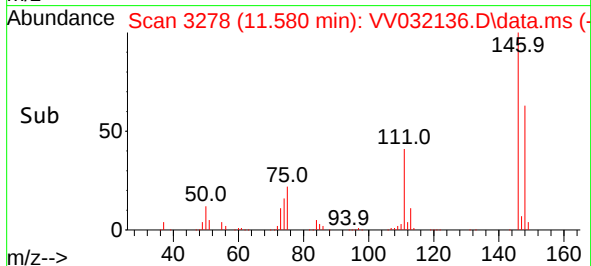
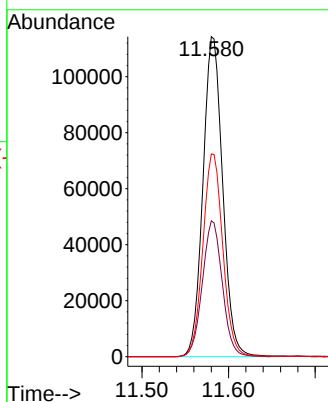
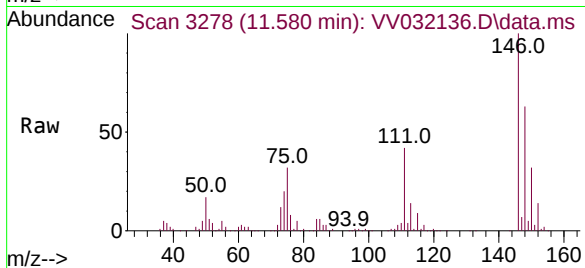
Tgt Ion:146 Resp: 180880

Ion Ratio Lower Upper

146 100

111 42.5 35.8 53.6

148 63.3 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 39.244 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

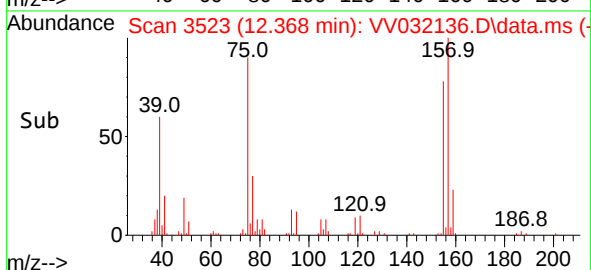
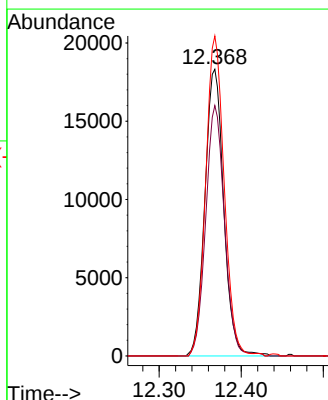
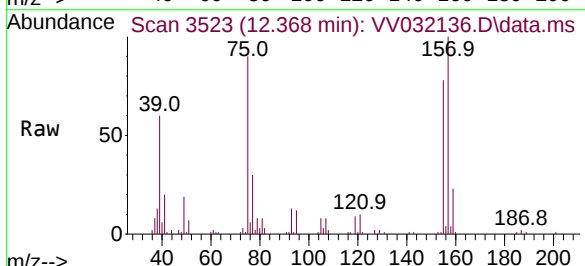
Tgt Ion: 75 Resp: 29341

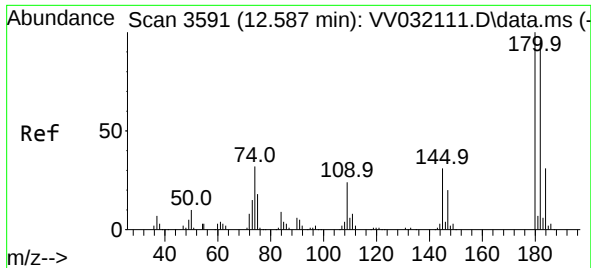
Ion Ratio Lower Upper

75 100

155 87.4 60.1 90.1

157 111.6 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 46.109 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

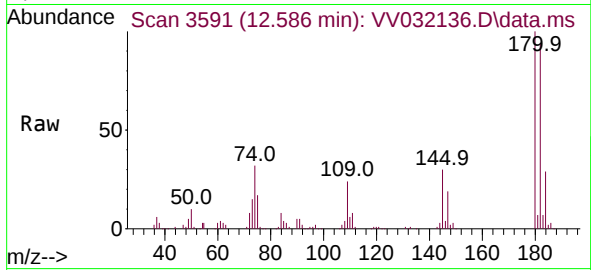
Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 132933

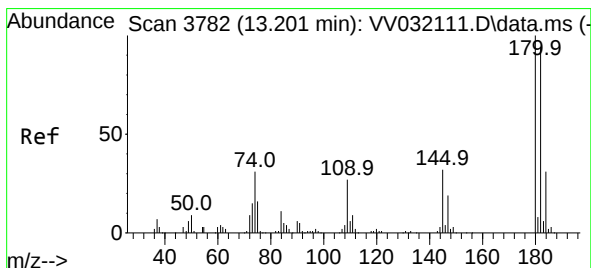
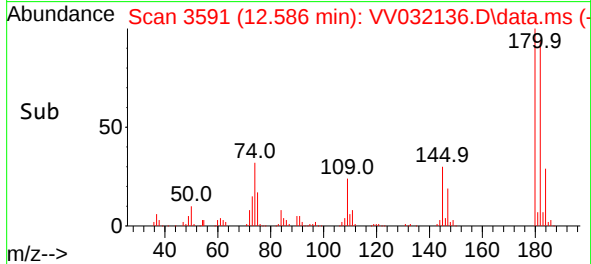
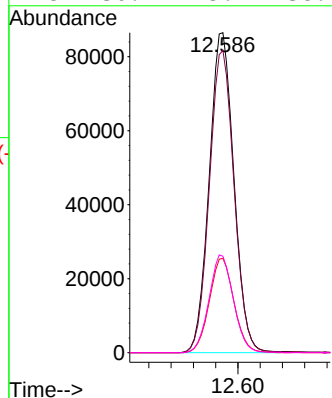
Ion Ratio Lower Upper

180 100

182 94.6 75.4 113.2

184 29.3 23.7 35.5

145 30.1 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 45.507 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

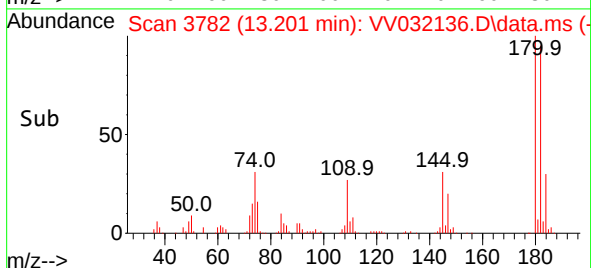
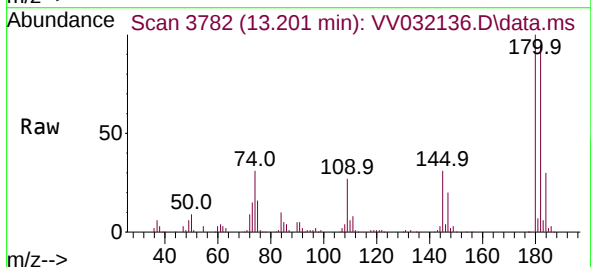
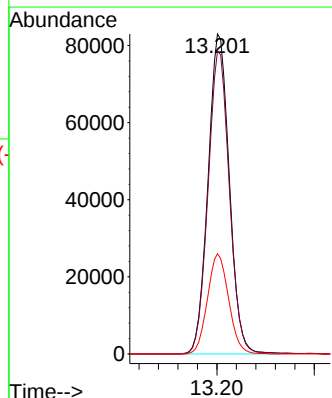
Tgt Ion:180 Resp: 125934

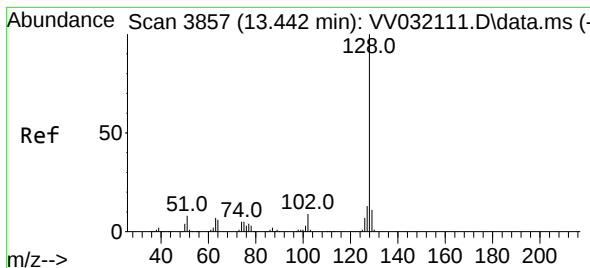
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

145 31.1 26.0 39.0





#71

Naphthalene

Concen: 45.186 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

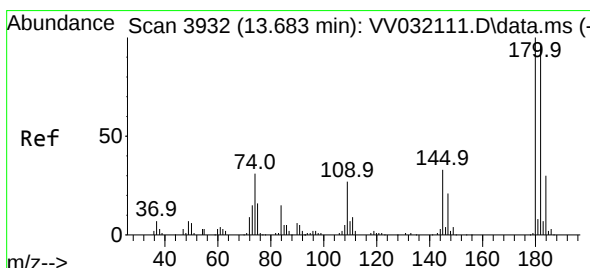
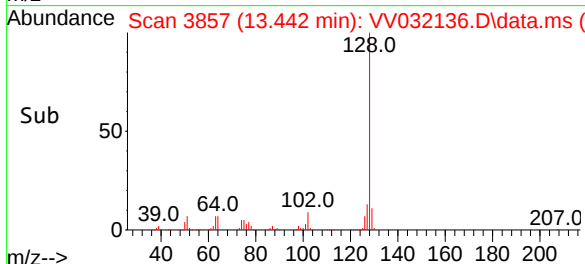
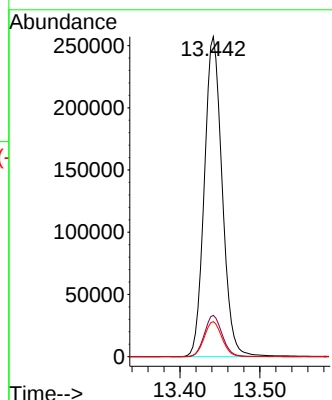
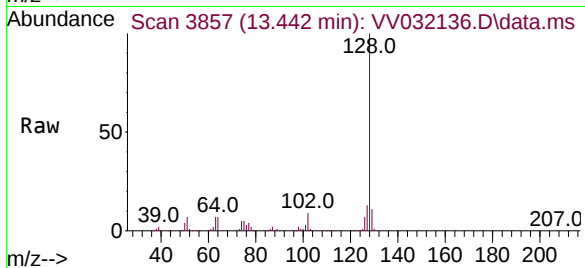
Tgt Ion:128 Resp: 399518

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.654 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032136.D

Acq: 20 Sep 2023 10:42

Tgt Ion:180 Resp: 126366

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 33.0 27.7 41.5

