

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033037.D
 Acq On : 20 Nov 2023 21:18
 Operator : SY/MD
 Sample : 05436-09MSD
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:44:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:40:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	327207	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	328350	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	196336	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	70180	41.022	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.040%
7) Chloroethane-d5	1.532	69	54501	41.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.840%
11) 1,1-Dichloroethene-d2	2.060	65	27222	38.887	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.780%
21) 2-Butanone-d5	3.783	46	107490	98.752	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.750%
24) Chloroform-d	4.249	84	190799	45.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.500%
26) 1,2-Dichloroethane-d4	4.941	65	117190	44.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.120%
32) Benzene-d6	4.960	84	329109	43.041	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.080%
36) 1,2-Dichloropropane-d6	5.989	67	97431	44.935	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.860%
41) Toluene-d8	7.243	98	305867	41.903	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.551	79	55915	44.172	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.340%
47) 2-Hexanone-d5	8.021	63	93037	103.690	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.690%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	157024	47.575	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.140%
66) 1,2-Dichlorobenzene-d4	11.561	152	161088	46.010	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	164275	46.470	ug/L	96
3) Chloromethane	1.214	50	115907	43.935	ug/L	100
5) Vinyl chloride	1.285	62	108673	44.407	ug/L	99
6) Bromomethane	1.484	94	70522	43.610	ug/L	97
8) Chloroethane	1.548	64	59327	43.830	ug/L	100
9) Trichlorofluoromethane	1.712	101	182080	45.957	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	85667	43.851	ug/L	97
12) 1,1-Dichloroethene	2.069	96	83022	46.027	ug/L	93
13) Acetone	2.108	43	61748	57.979	ug/L	99
14) Carbon disulfide	2.243	76	271398	45.240	ug/L	98
15) Methyl Acetate	2.368	43	81437	43.617	ug/L	100
16) Methylene chloride	2.445	84	111290	43.549	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	106533	46.149	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	346891	47.904	ug/L	99
19) 1,1-Dichloroethane	3.111	63	183873	44.591	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	121305	46.867	ug/L	99
22) 2-Butanone	3.860	43	109607	79.484	ug/L	95
23) Bromochloromethane	4.146	128	64741	45.477	ug/L	96
25) Chloroform	4.275	83	214651	46.249	ug/L	98

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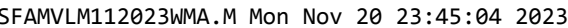
Instrument :
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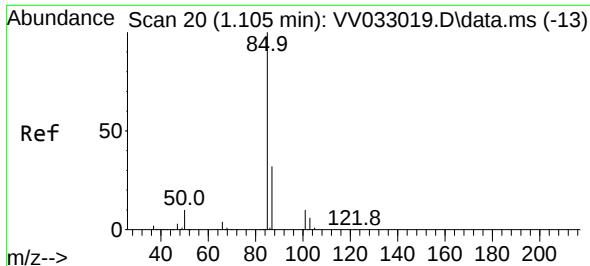
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	169252	46.746	ug/L	99
29) Cyclohexane	4.584	56	150635	47.549	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	204911	47.780	ug/L	99
31) Carbon tetrachloride	4.735	117	186050	46.552	ug/L	99
33) Benzene	5.011	78	434769	47.604	ug/L	100
34) Trichloroethene	5.831	95	133960	52.037	ug/L	95
35) Methylcyclohexane	6.050	83	175043	46.782	ug/L	99
37) 1,2-Dichloropropane	6.092	63	104124	46.448	ug/L	100
38) Bromodichloromethane	6.432	83	159935	45.917	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	185836	48.152	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	242668	98.964	ug/L	99
42) Toluene	7.317	91	489766	48.397	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	184226	47.504	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	117928	46.711	ug/L	99
46) Tetrachloroethene	7.905	164	104175	46.437	ug/L	98
48) 2-Hexanone	8.072	43	178235	91.878	ug/L	98
49) Dibromochloromethane	8.178	129	136622	46.953	ug/L	98
50) 1,2-Dibromoethane	8.281	107	123679	46.776	ug/L	99
51) Chlorobenzene	8.815	112	330433	46.014	ug/L	98
52) Ethylbenzene	8.947	91	555873	47.849	ug/L	100
53) m,p-Xylene	9.072	106	219221	48.029	ug/L	98
54) o-Xylene	9.477	106	214555	48.833	ug/L	99
55) Styrene	9.497	104	381081	48.622	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	174991	49.066	ug/L	97
59) Bromoform	9.664	173	110844	48.443	ug/L	99
60) Isopropylbenzene	9.866	105	592855	49.810	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	134220	47.388	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	470965	49.319	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	494866	49.466	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	303894	47.656	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	312547	46.110	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	301782	47.164	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	40536	49.197	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	230721	46.538	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	215422	47.415	ug/L	99
71) Naphthalene	13.439	128	611895	54.451	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	222147	50.431	ug/L	99

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

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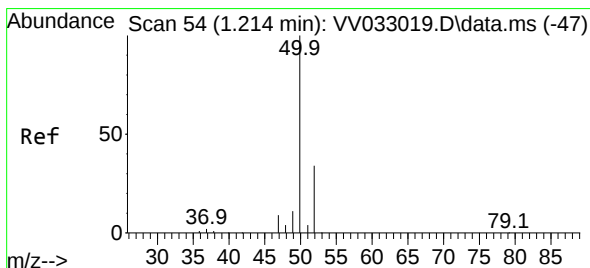
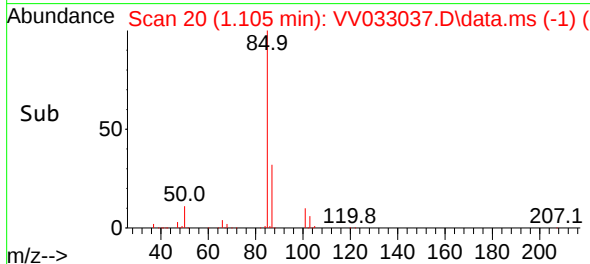
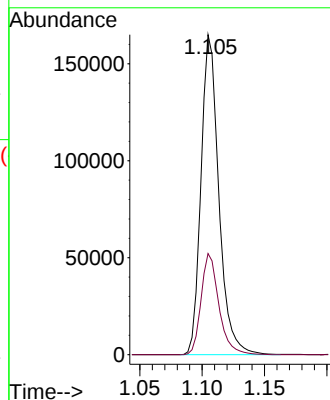
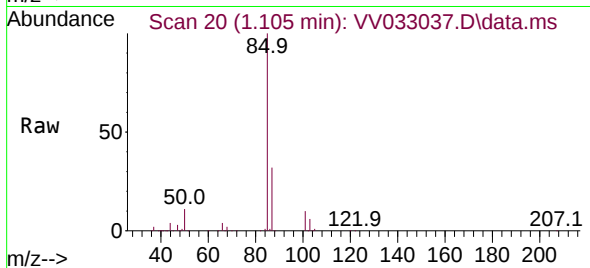




#2
 Dichlorodifluoromethane
 Concen: 46.470 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033037.D
 Acq: 20 Nov 2023 21:18

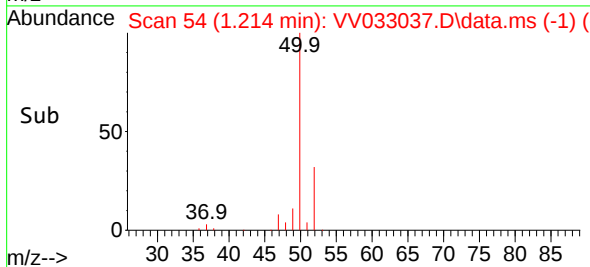
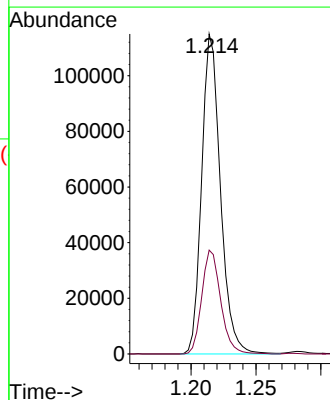
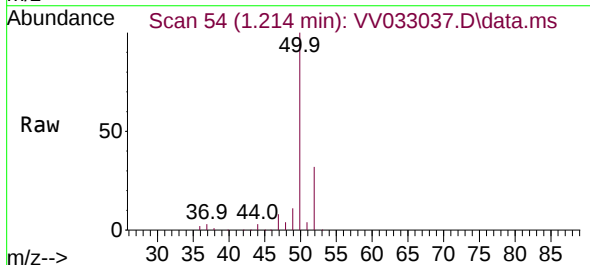
Instrument :
 MSVOA_V
 ClientSampleId :

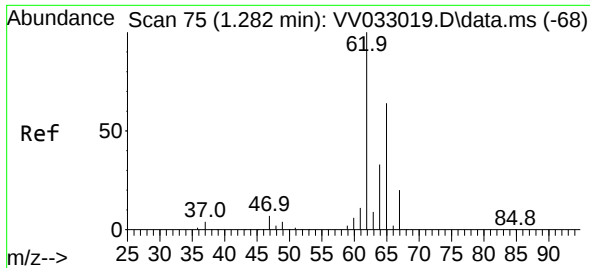
Tgt Ion: 85 Resp: 164275
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.8 40.2



#3
 Chloromethane
 Concen: 43.935 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033037.D
 Acq: 20 Nov 2023 21:18

Tgt Ion: 50 Resp: 115907
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.7 42.3

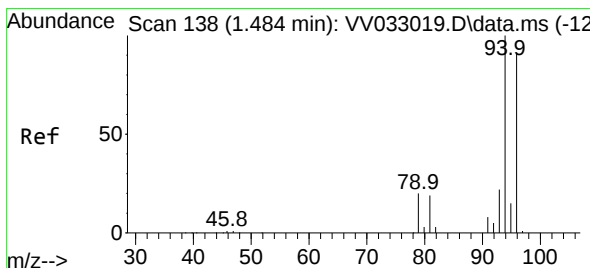
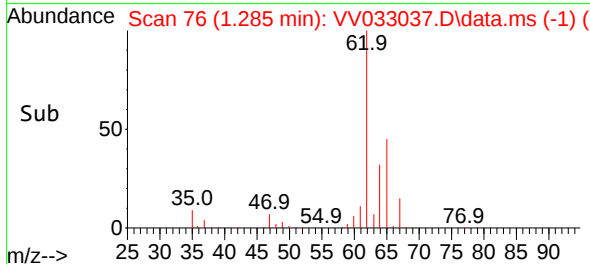
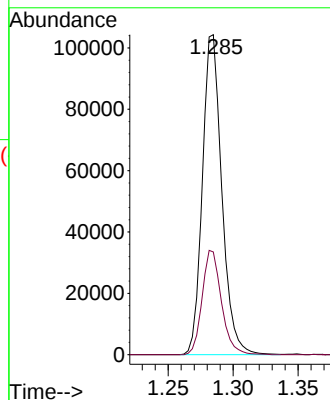
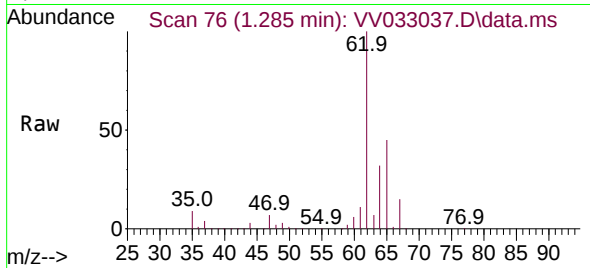




#5
 Vinyl chloride
 Concen: 44.407 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV033037.D
 Acq: 20 Nov 2023 21:18

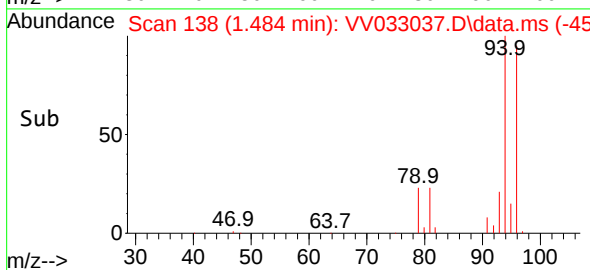
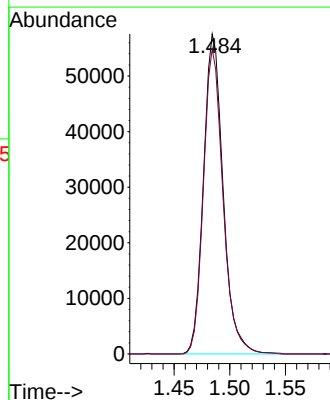
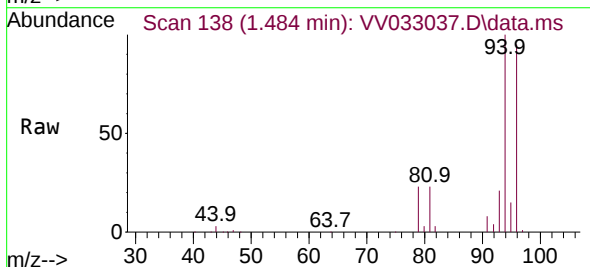
Instrument :
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 ClientSampleId :

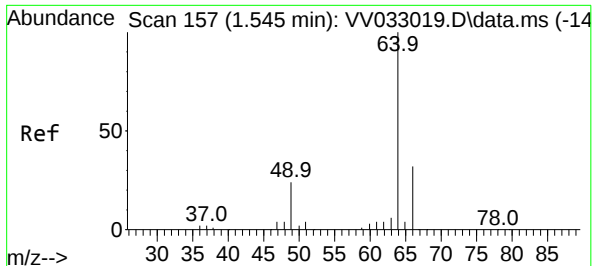
Tgt Ion: 62 Resp: 108673
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.7 42.1



#6
 Bromomethane
 Concen: 43.610 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV033037.D
 Acq: 20 Nov 2023 21:18

Tgt Ion: 94 Resp: 70522
 Ion Ratio Lower Upper
 94 100
 96 95.3 64.4 119.6

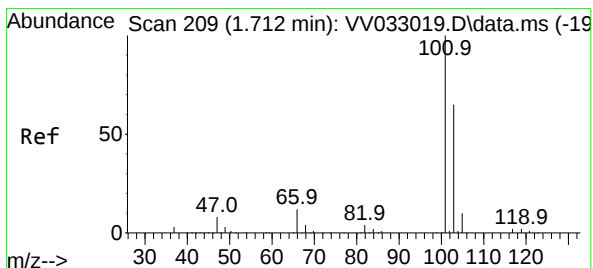
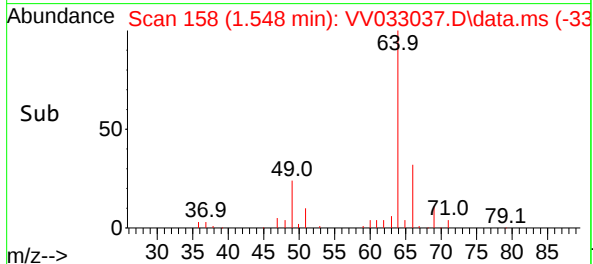
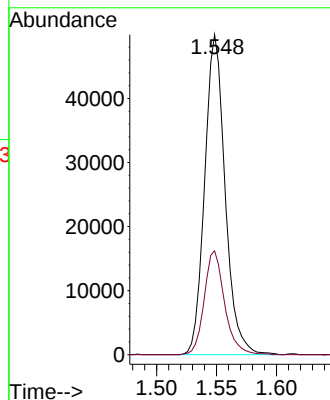
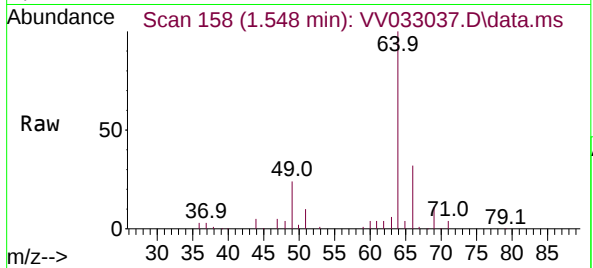




#8
Chloroethane
Concen: 43.830 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

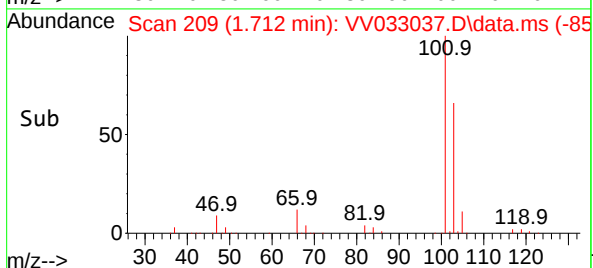
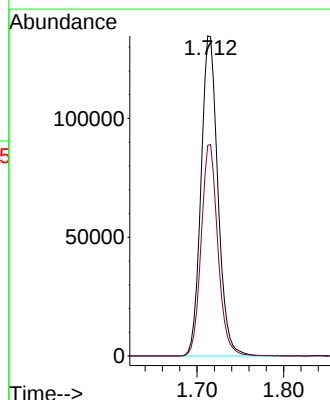
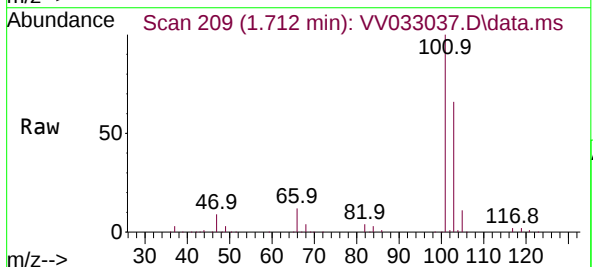
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MSVOA_V
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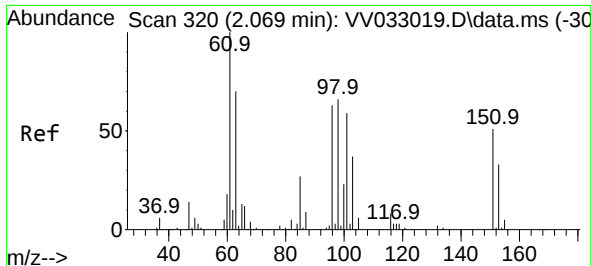
Tgt Ion: 64 Resp: 59327
Ion Ratio Lower Upper
64 100
66 32.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 45.957 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion:101 Resp: 182080
Ion Ratio Lower Upper
101 100
103 65.3 52.1 78.1





#10

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

Concen: 43.851 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

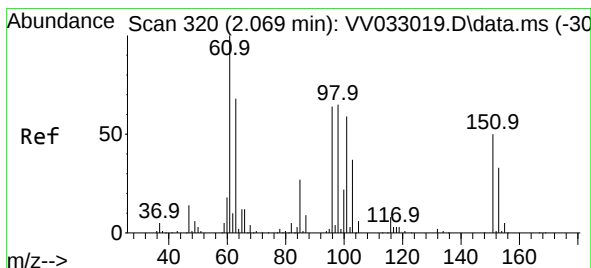
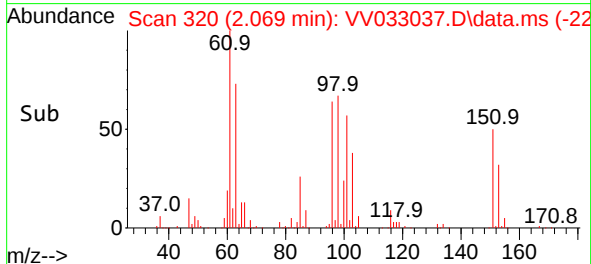
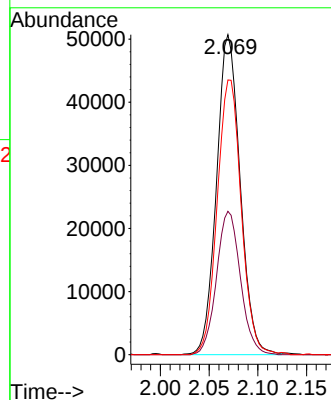
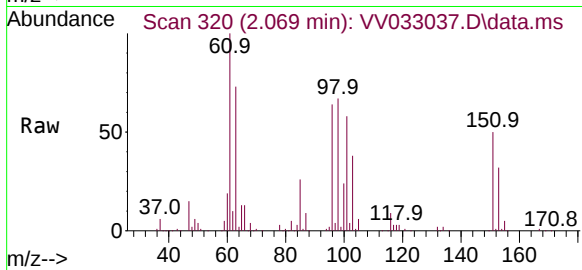
Tgt Ion:101 Resp: 85667

Ion Ratio Lower Upper

101 100

85 45.2 35.5 53.3

151 87.1 67.0 100.4



#12

1,1-Dichloroethene

Concen: 46.027 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

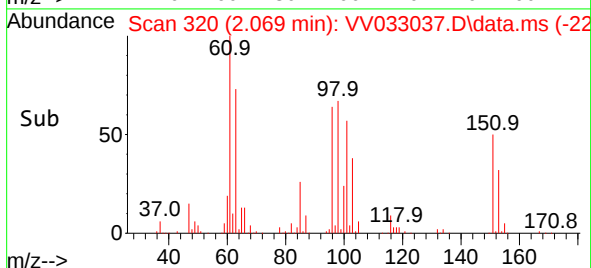
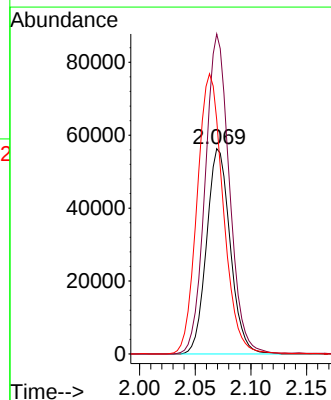
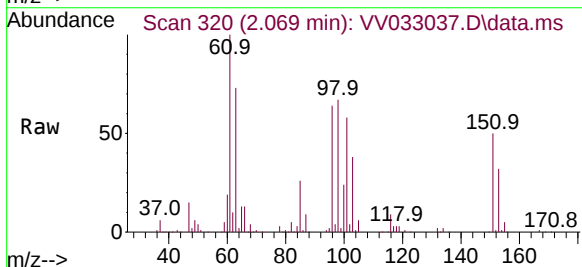
Tgt Ion: 96 Resp: 83022

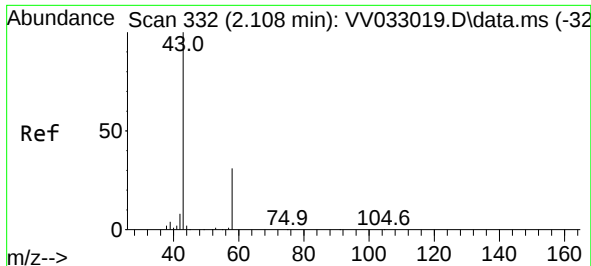
Ion Ratio Lower Upper

96 100

61 155.8 116.6 216.6

63 114.0 84.8 157.4





#13

Acetone

Concen: 57.979 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

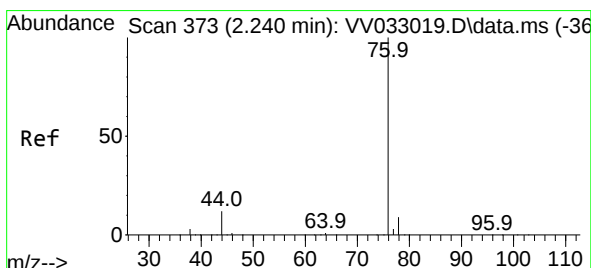
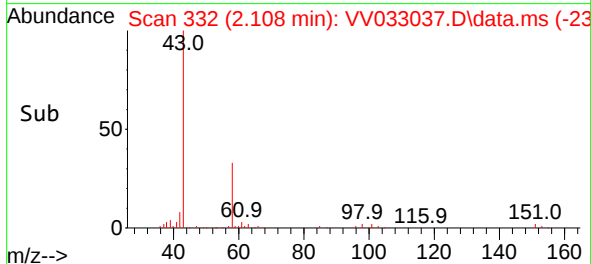
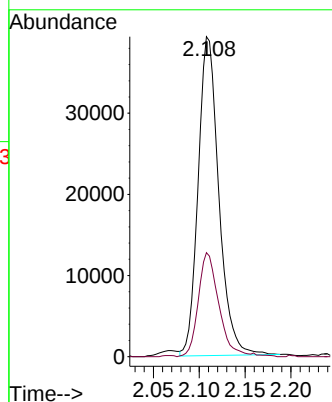
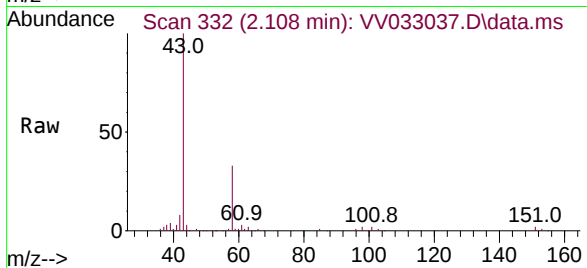
ClientSampleId :

Tgt Ion: 43 Resp: 61748

Ion Ratio Lower Upper

43 100

58 32.1 0.0 62.6



#14

Carbon disulfide

Concen: 45.240 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033037.D

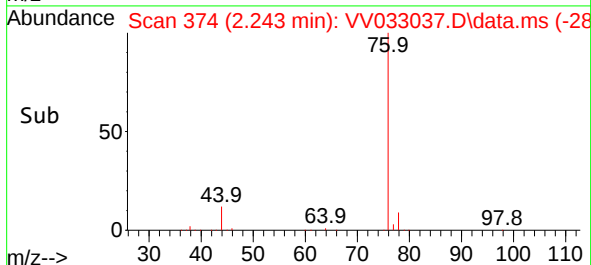
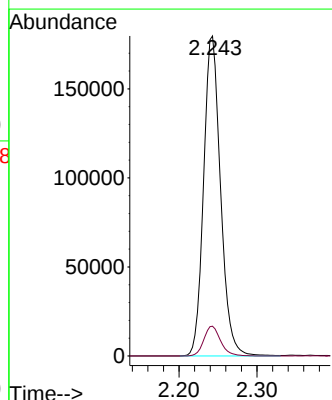
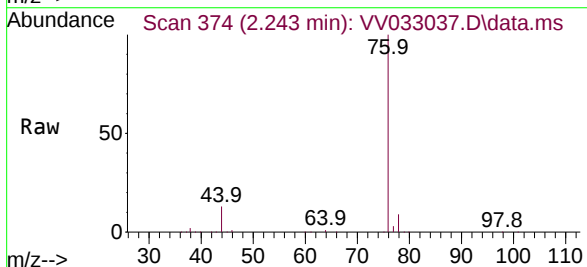
Acq: 20 Nov 2023 21:18

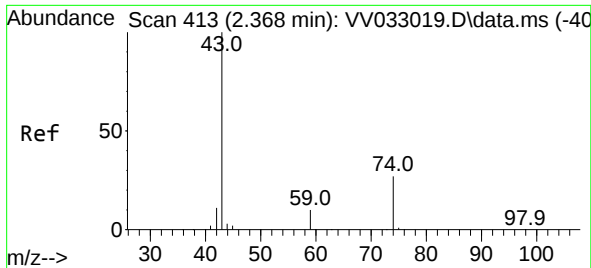
Tgt Ion: 76 Resp: 271398

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

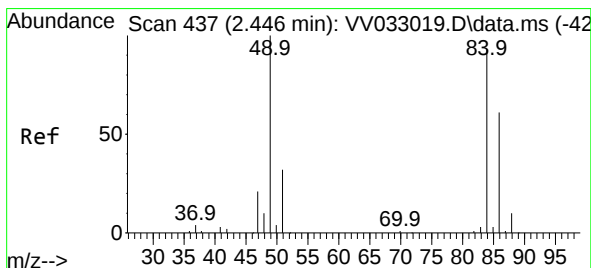
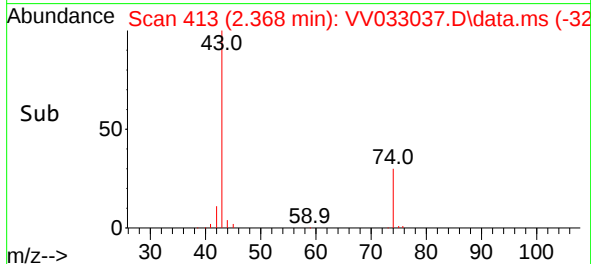
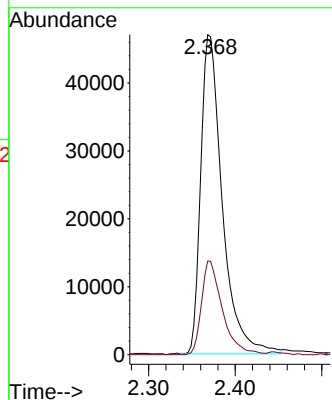
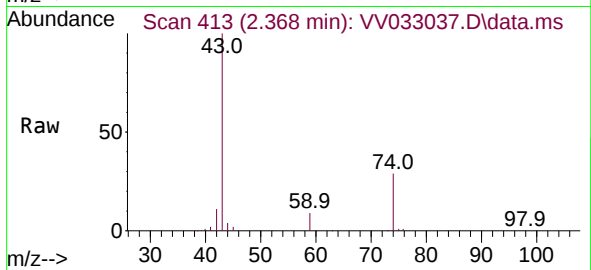




#15
Methyl Acetate
Concen: 43.617 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

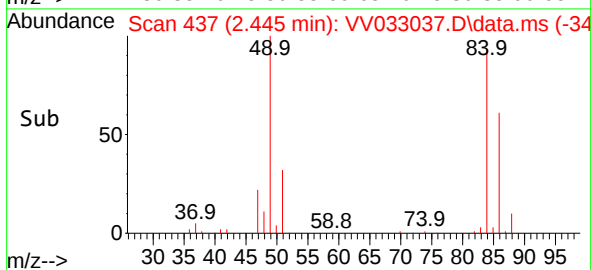
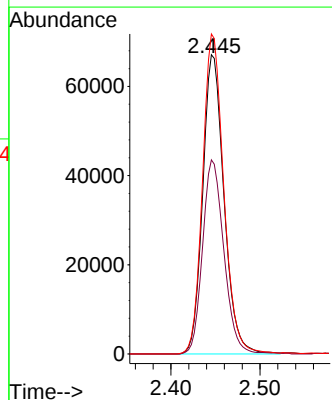
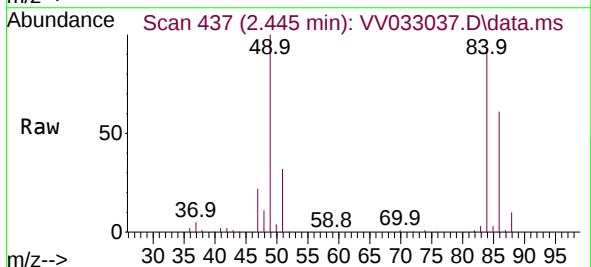
Instrument :
MSVOA_V
ClientSampleId :

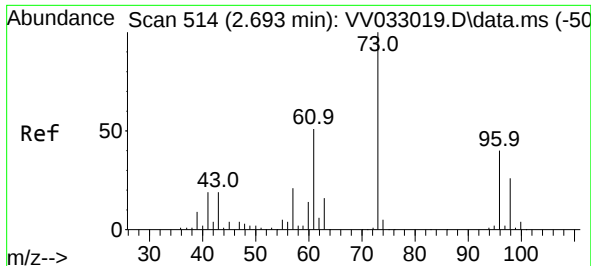
Tgt Ion: 43 Resp: 81437
Ion Ratio Lower Upper
43 100
74 28.3 22.7 34.1



#16
Methylene chloride
Concen: 43.549 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion: 84 Resp: 111290
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 107.0 76.6 142.3

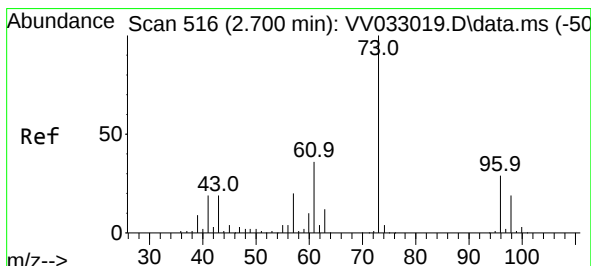
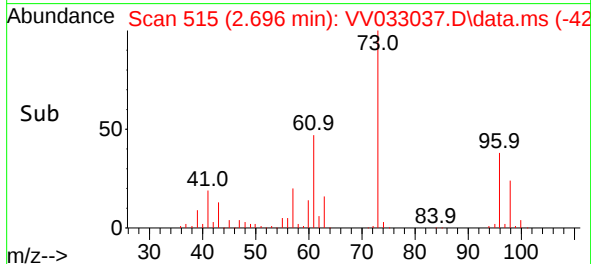
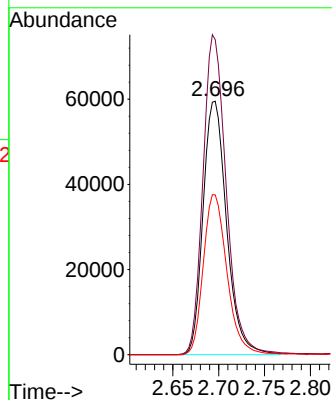
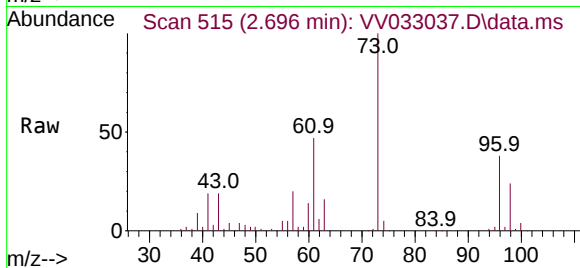




#17
trans-1,2-Dichloroethene
Concen: 46.149 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

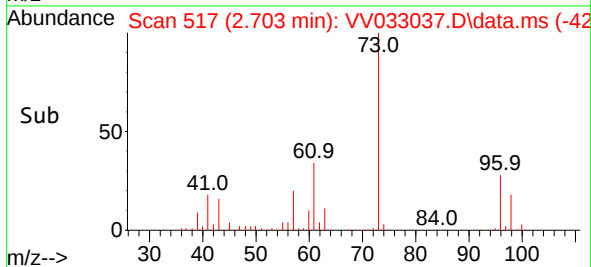
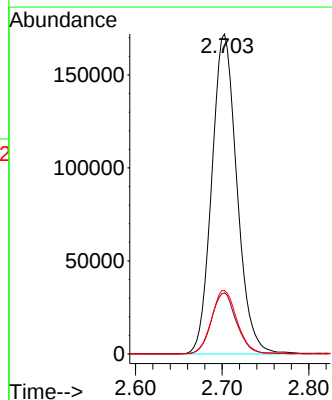
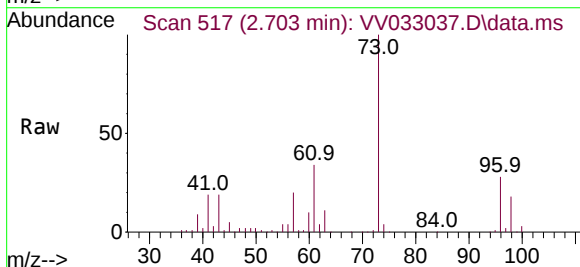
Instrument :
MSVOA_V
ClientSampleId :

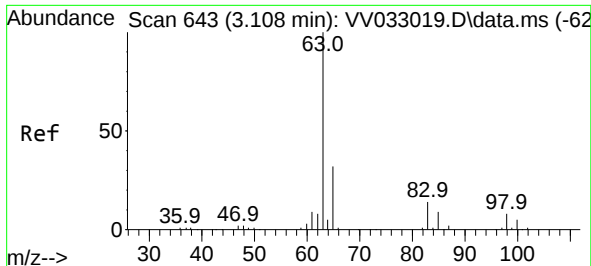
Tgt Ion: 96 Resp: 106533
Ion Ratio Lower Upper
96 100
61 124.3 89.5 166.3
98 63.1 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 47.904 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion: 73 Resp: 346891
Ion Ratio Lower Upper
73 100
43 18.9 15.2 22.8
57 20.2 15.8 23.8





#19

1,1-Dichloroethane

Concen: 44.591 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

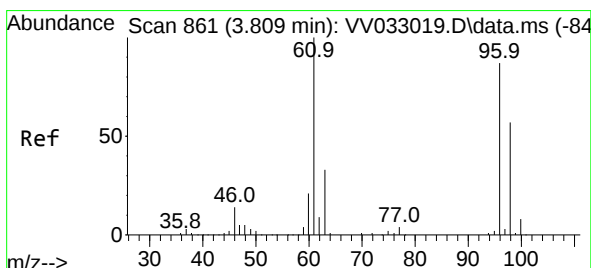
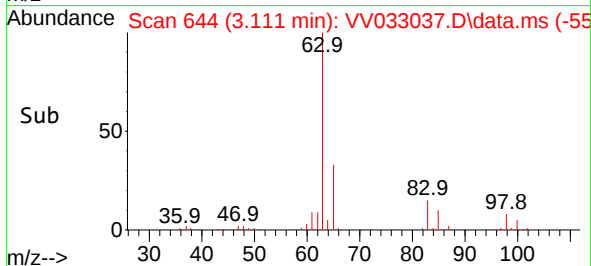
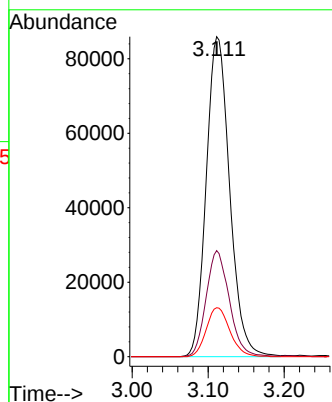
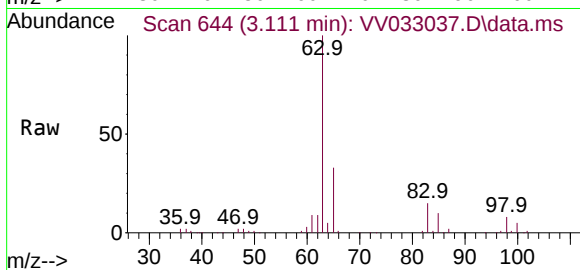
Tgt Ion: 63 Resp: 183873

Ion Ratio Lower Upper

63 100

65 33.1 22.4 41.6

83 15.3 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 46.867 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.006 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

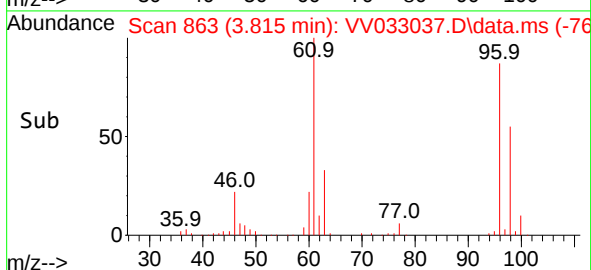
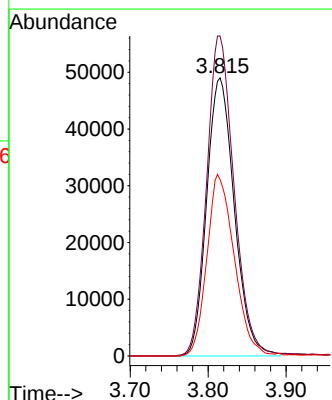
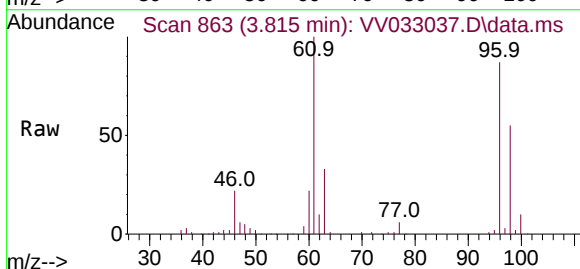
Tgt Ion: 96 Resp: 121305

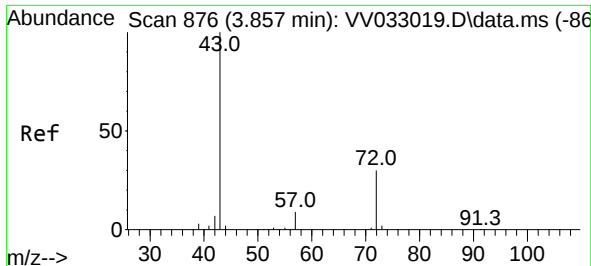
Ion Ratio Lower Upper

96 100

61 115.0 80.2 149.0

98 63.4 45.1 83.7

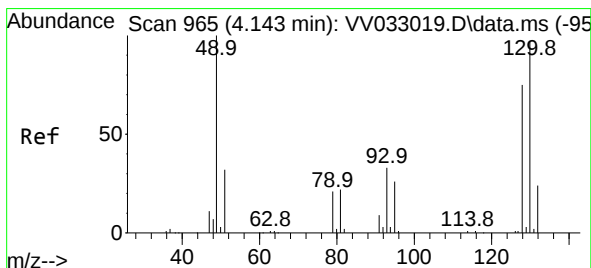
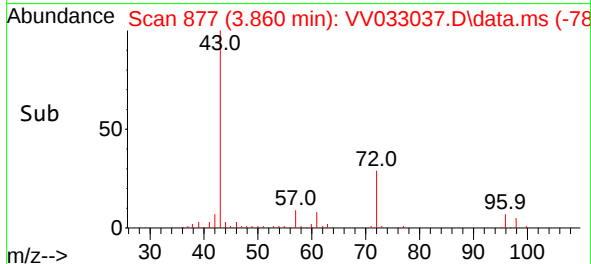
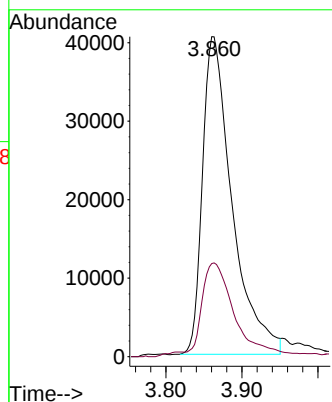
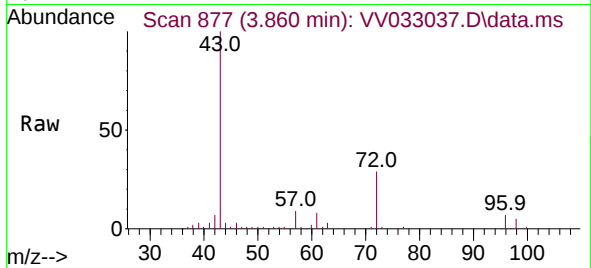




#22
2-Butanone
Concen: 79.484 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

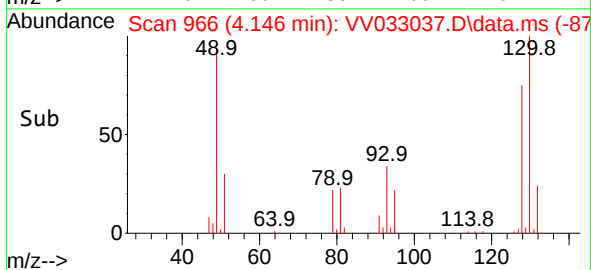
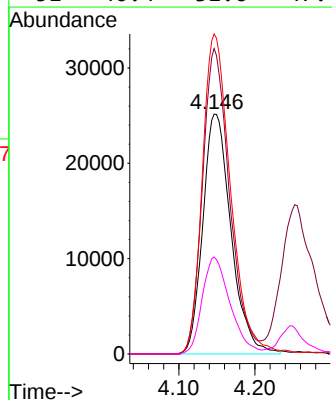
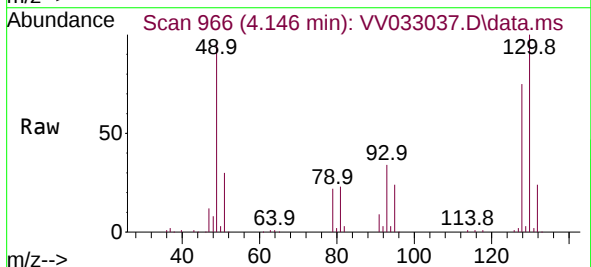
Instrument :
MSVOA_V
ClientSampleId :

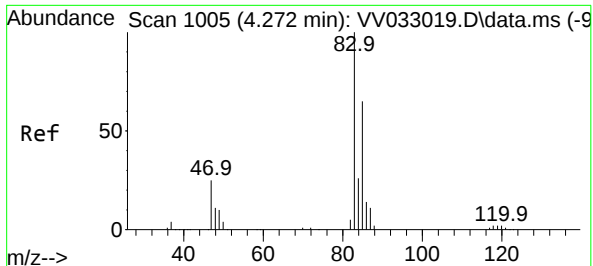
Tgt Ion: 43 Resp: 109607
Ion Ratio Lower Upper
43 100
72 30.6 13.9 41.7



#23
Bromochloromethane
Concen: 45.477 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion:128 Resp: 64741
Ion Ratio Lower Upper
128 100
49 127.3 87.1 161.7
130 133.4 88.1 163.5
51 40.4 31.6 47.4





#25

Chloroform

Concen: 46.249 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

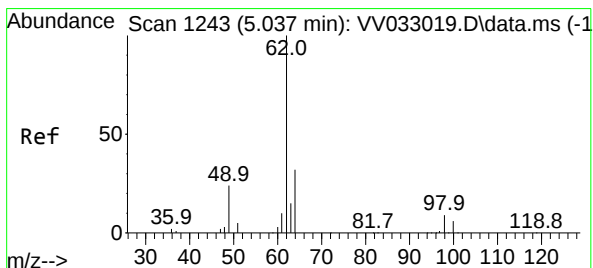
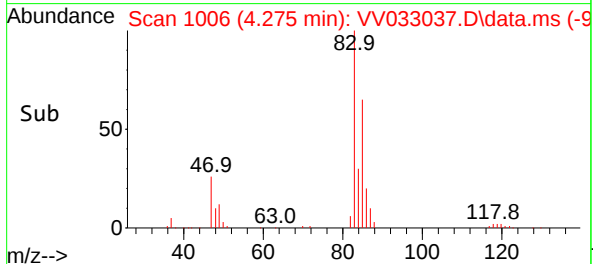
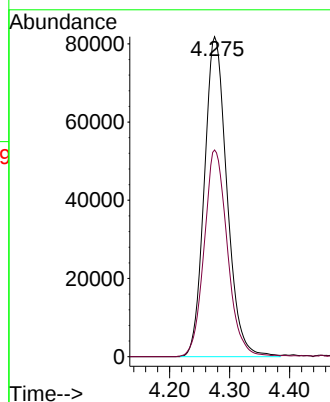
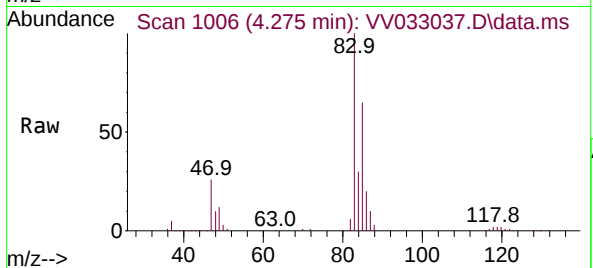
ClientSampleId :

Tgt Ion: 83 Resp: 214651

Ion Ratio Lower Upper

83 100

85 64.6 46.2 85.8



#27

1,2-Dichloroethane

Concen: 46.746 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033037.D

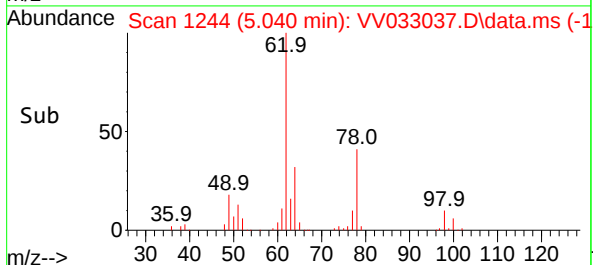
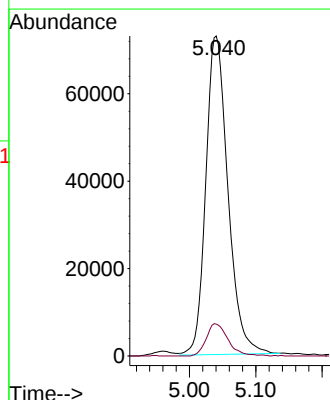
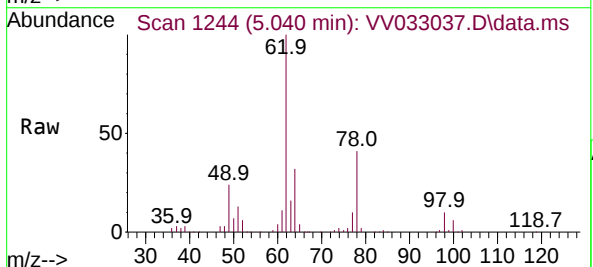
Acq: 20 Nov 2023 21:18

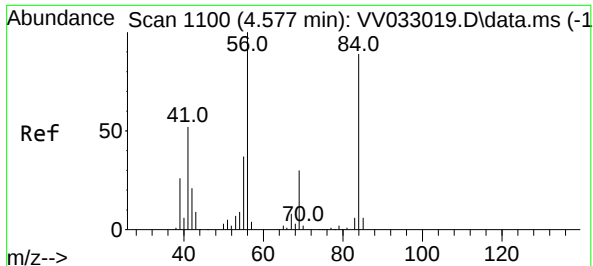
Tgt Ion: 62 Resp: 169252

Ion Ratio Lower Upper

62 100

98 9.9 8.3 12.5





#29

Cyclohexane

Concen: 47.549 ug/L

RT: 4.584 min Scan# 1100

Delta R.T. 0.006 min

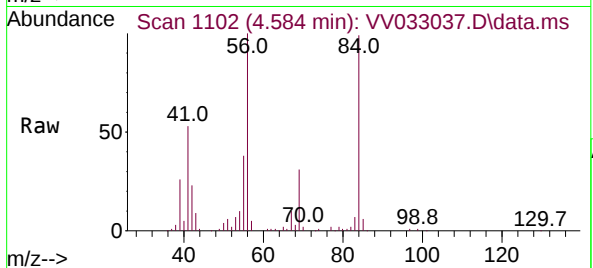
Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :



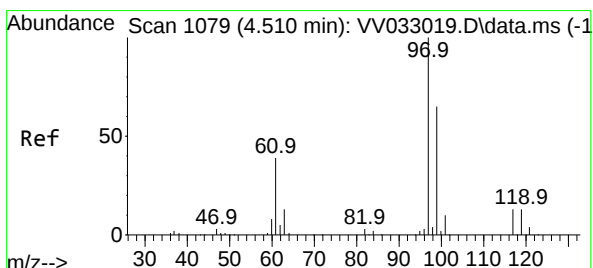
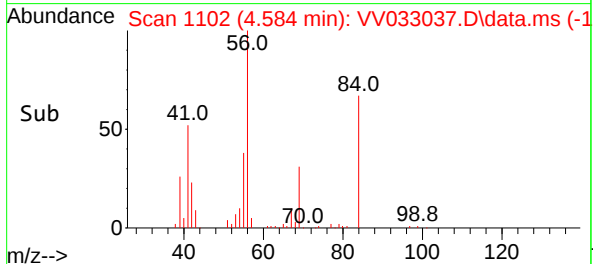
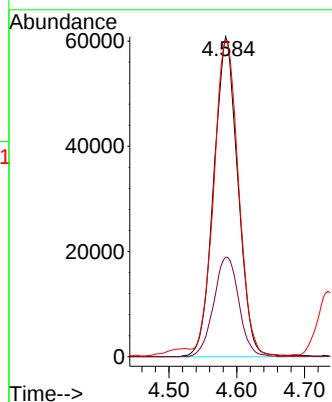
Tgt Ion: 56 Resp: 150635

Ion Ratio Lower Upper

56 100

69 32.4 26.7 40.1

84 100.2 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 47.780 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

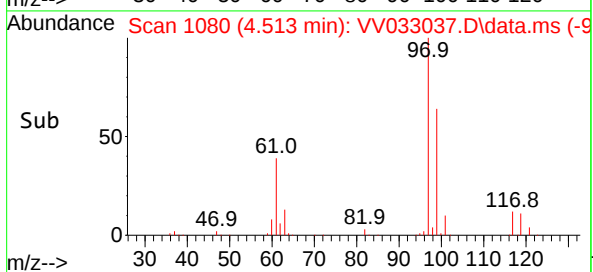
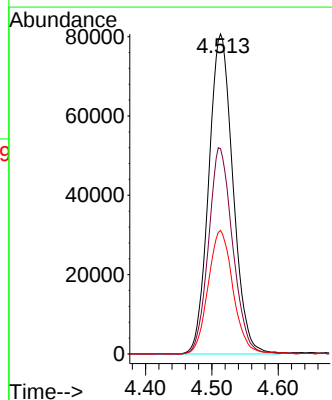
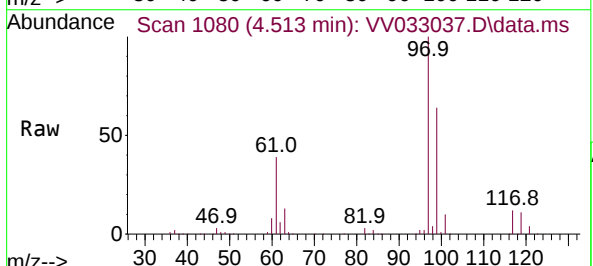
Tgt Ion: 97 Resp: 204911

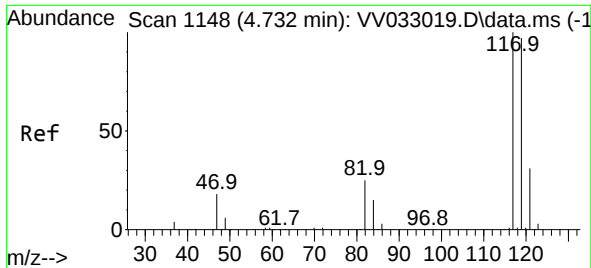
Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 39.6 32.1 48.1

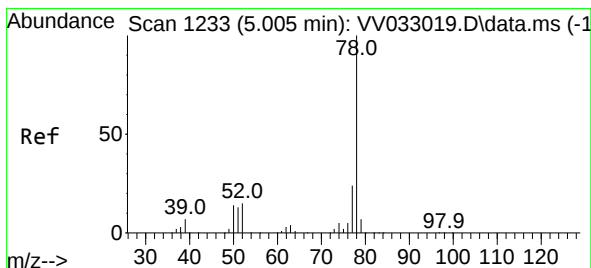
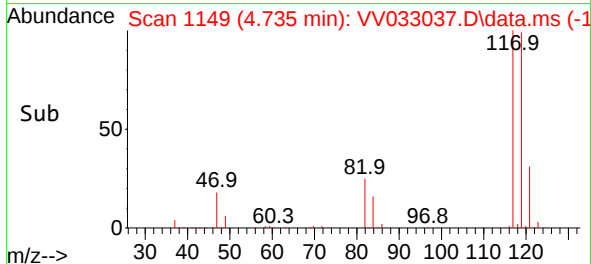
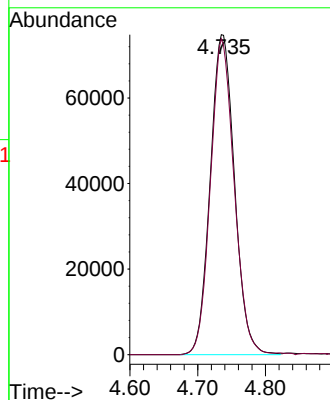
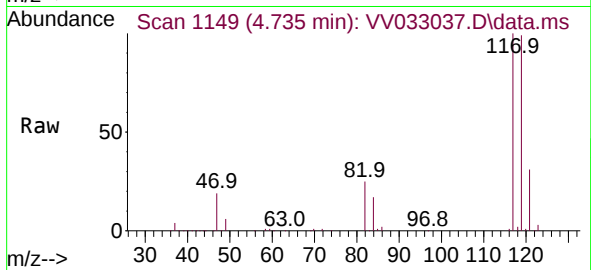




#31
Carbon tetrachloride
Concen: 46.552 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

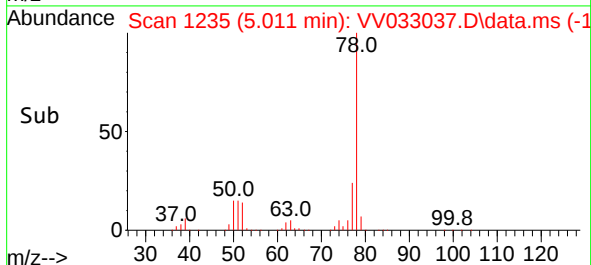
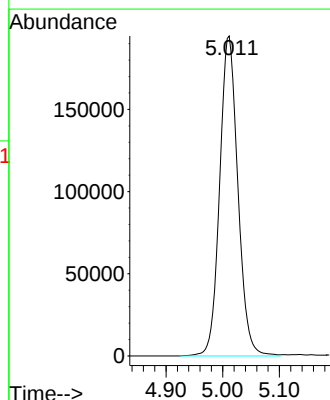
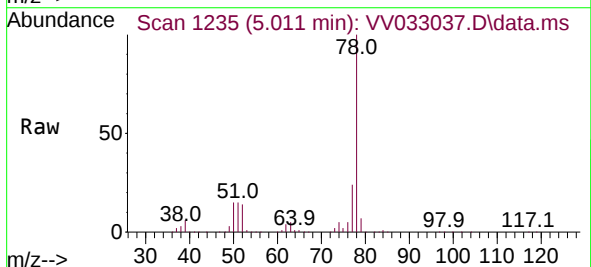
Instrument :
MSVOA_V
ClientSampleId :

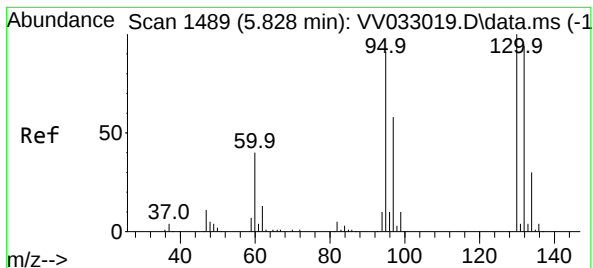
Tgt Ion:117 Resp: 186050
Ion Ratio Lower Upper
117 100
119 96.2 76.5 114.7



#33
Benzene
Concen: 47.604 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion: 78 Resp: 434769





#34

Trichloroethene

Concen: 52.037 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 133960

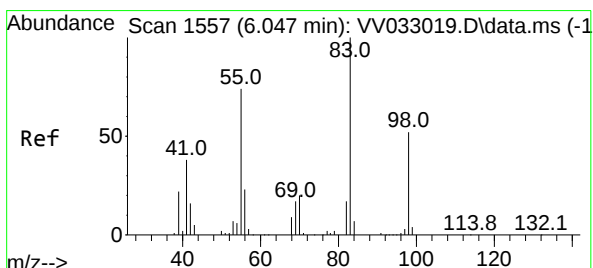
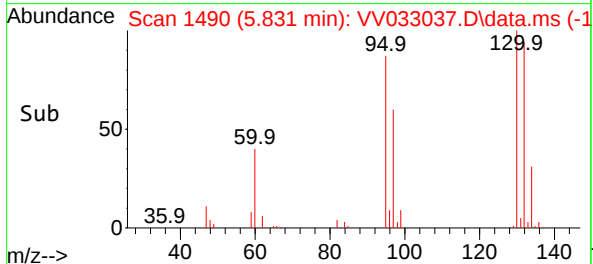
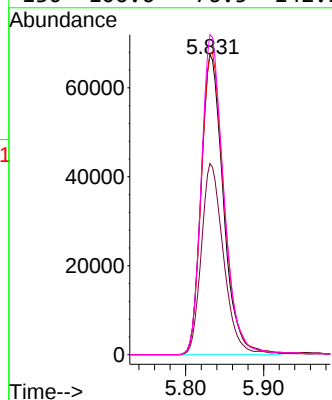
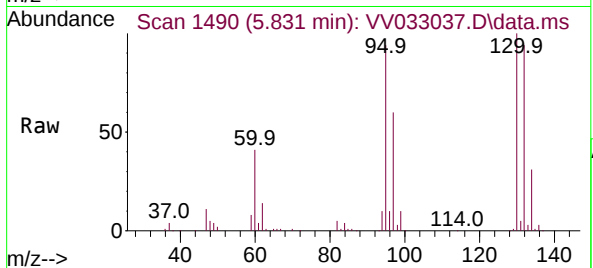
Ion Ratio Lower Upper

95 100

97 63.7 46.0 85.4

132 100.5 76.0 141.2

130 106.6 76.5 142.1



#35

Methylcyclohexane

Concen: 46.782 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

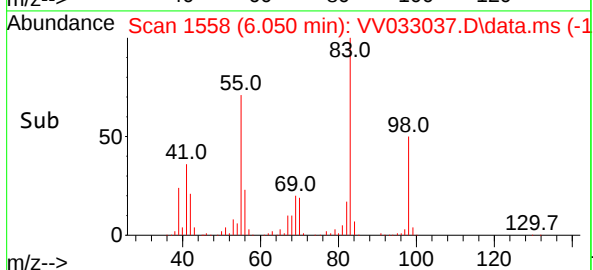
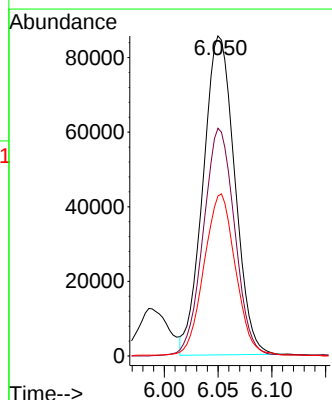
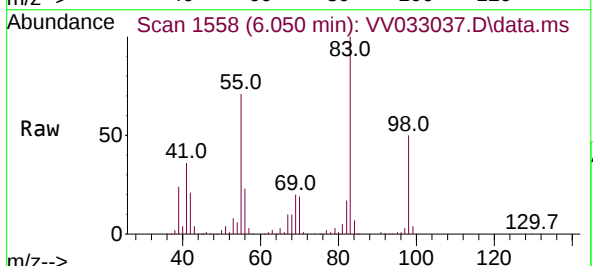
Tgt Ion: 83 Resp: 175043

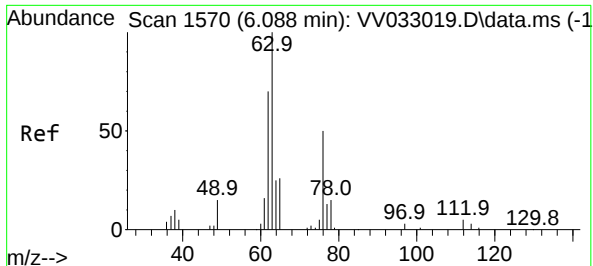
Ion Ratio Lower Upper

83 100

55 71.2 56.3 84.5

98 50.8 40.5 60.7





#37

1,2-Dichloropropane

Concen: 46.448 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

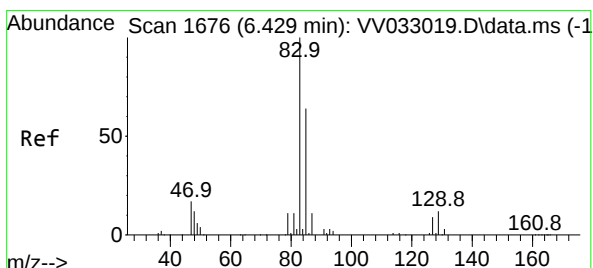
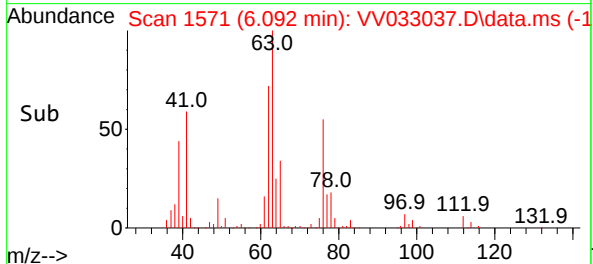
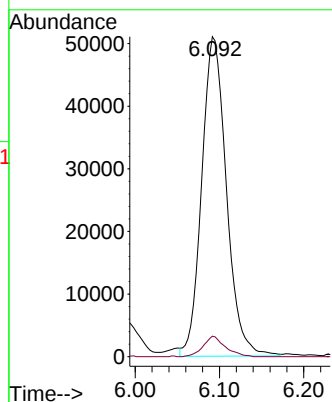
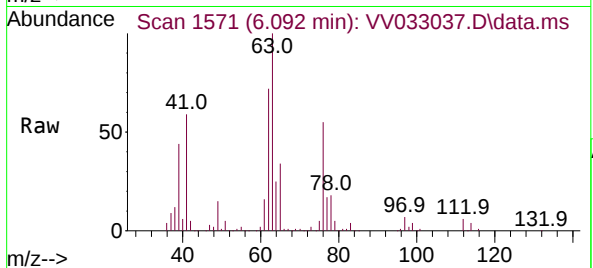
ClientSampleId :

Tgt Ion: 63 Resp: 104124

Ion Ratio Lower Upper

63 100

112 5.7 4.6 7.0



#38

Bromodichloromethane

Concen: 45.917 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

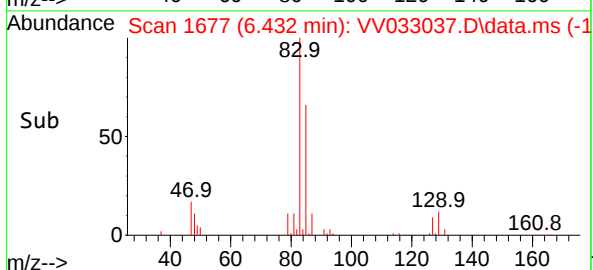
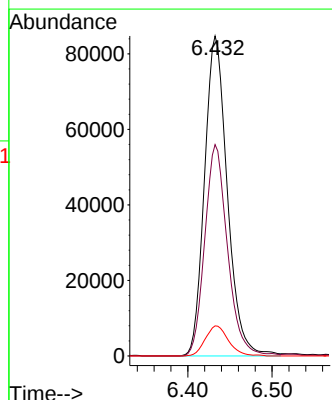
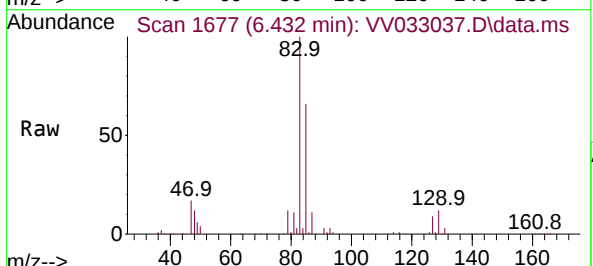
Tgt Ion: 83 Resp: 159935

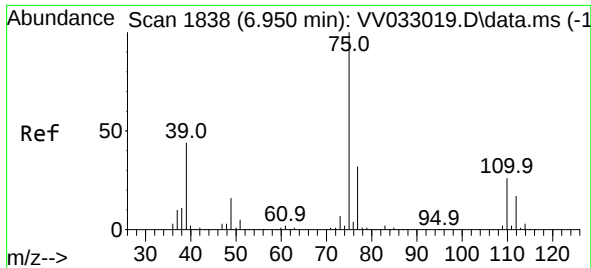
Ion Ratio Lower Upper

83 100

85 66.1 44.7 83.1

127 9.4 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 48.152 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

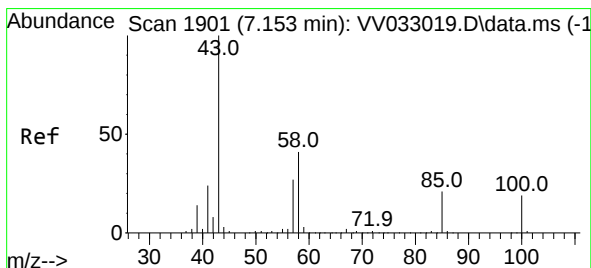
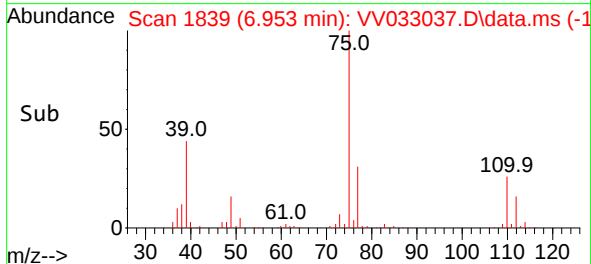
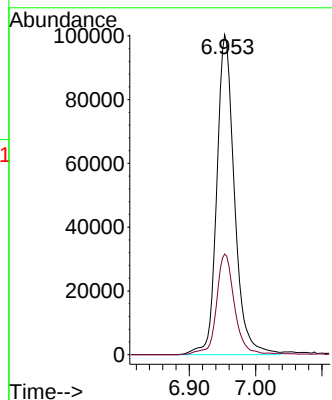
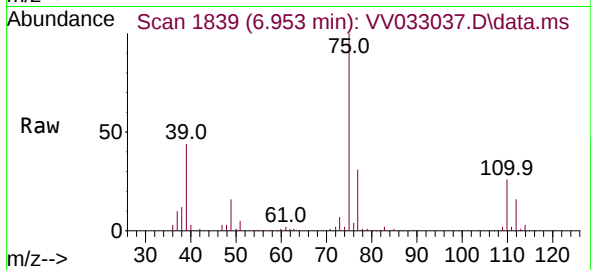
ClientSampleId :

Tgt Ion: 75 Resp: 185836

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 98.964 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

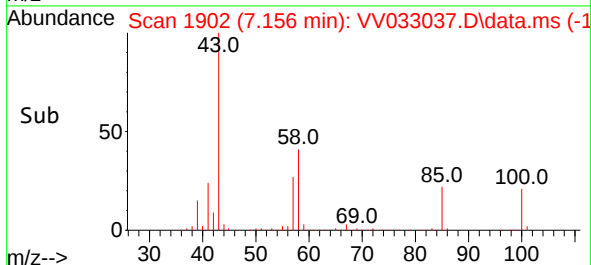
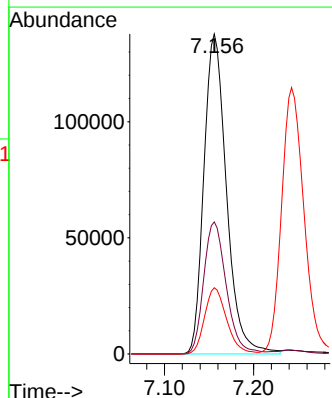
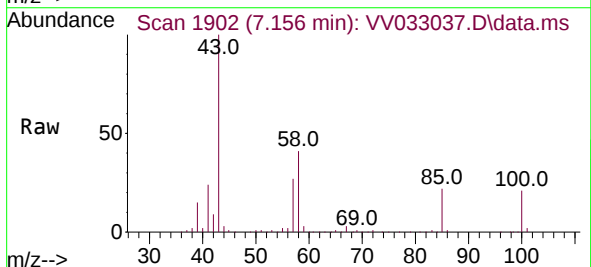
Tgt Ion: 43 Resp: 242668

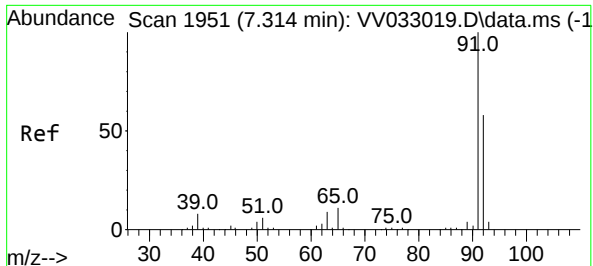
Ion Ratio Lower Upper

43 100

58 41.3 33.2 49.8

100 20.2 14.9 22.3





#42

Toluene

Concen: 48.397 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

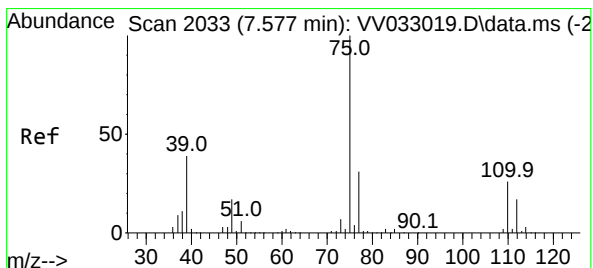
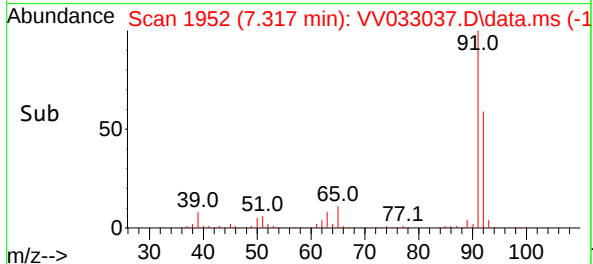
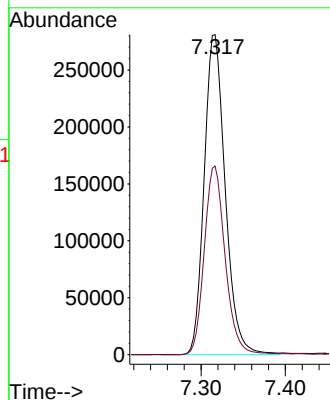
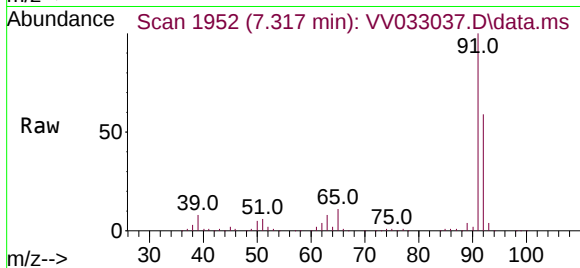
ClientSampleId :

Tgt Ion: 91 Resp: 489766

Ion Ratio Lower Upper

91 100

92 58.9 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 47.504 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033037.D

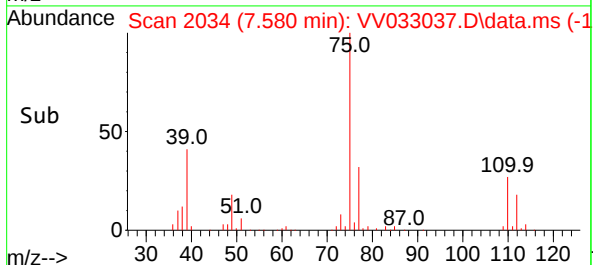
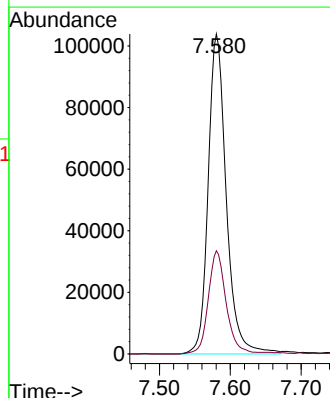
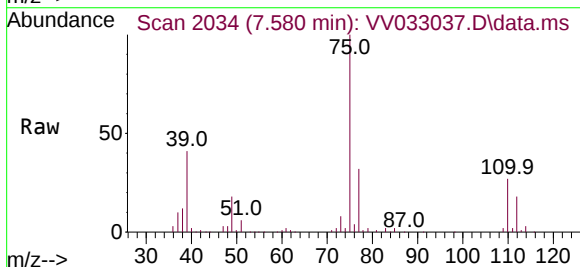
Acq: 20 Nov 2023 21:18

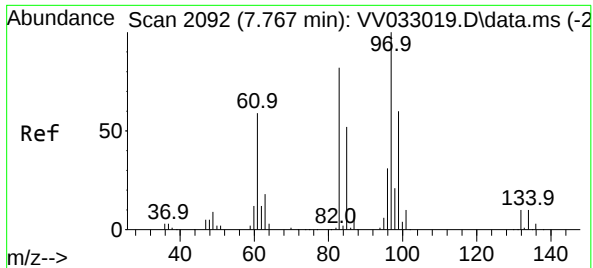
Tgt Ion: 75 Resp: 184226

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7

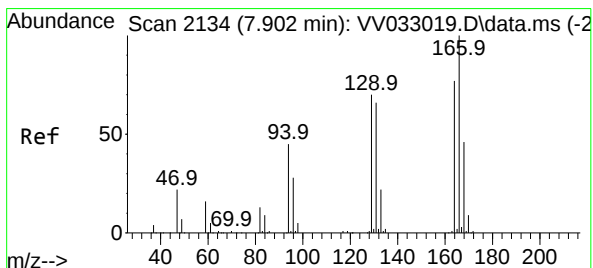
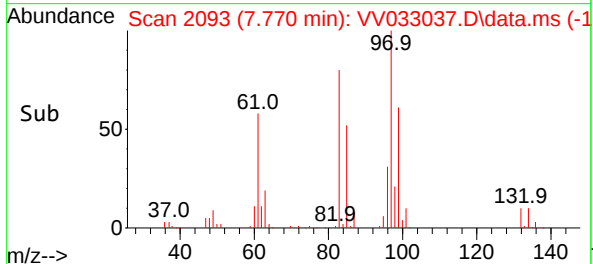
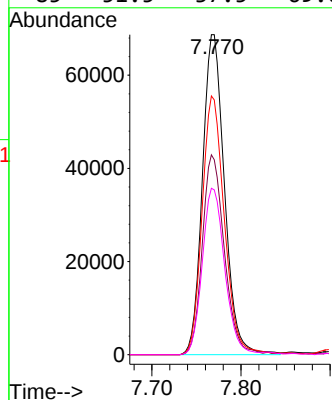
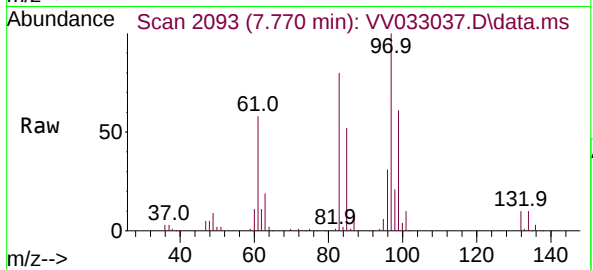




#45
1,1,2-Trichloroethane
Concen: 46.711 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

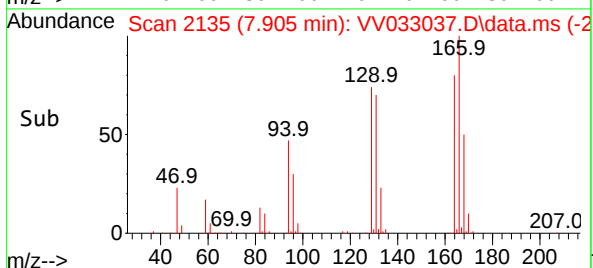
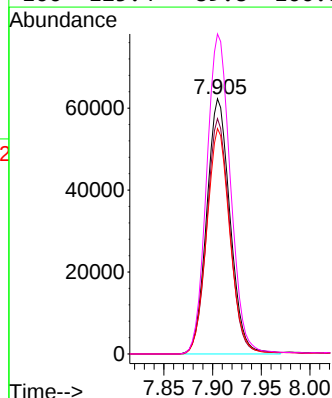
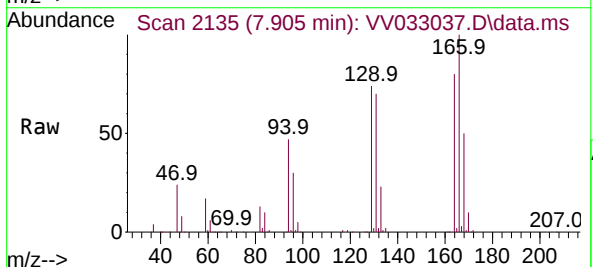
Instrument :
MSVOA_V
ClientSampleId :

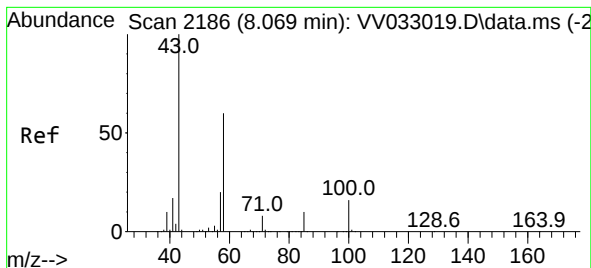
Tgt Ion: 97	Resp: 117928
Ion Ratio	Lower Upper
97 100	
99 60.9	43.5 80.9
83 79.6	55.6 103.2
85 51.5	37.5 69.6



#46
Tetrachloroethene
Concen: 46.437 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion:164	Resp: 104175
Ion Ratio	Lower Upper
164 100	
129 92.2	65.7 122.1
131 88.4	62.5 116.1
166 125.4	89.8 166.8





#48

2-Hexanone

Concen: 91.878 ug/L

RT: 8.072 min Scan# 2186

Delta R.T. 0.003 min

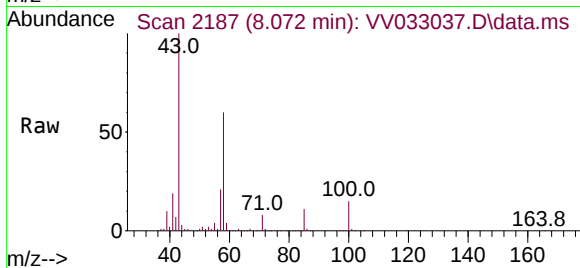
Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 178235

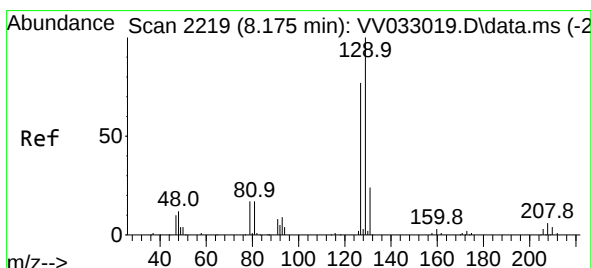
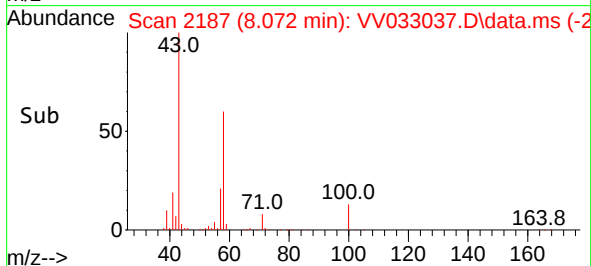
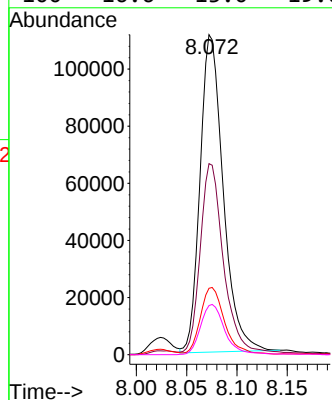
Ion Ratio Lower Upper

43 100

58 60.8 47.0 70.6

57 22.0 17.0 25.6

100 16.6 13.0 19.6



#49

Dibromochloromethane

Concen: 46.953 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.003 min

Lab File: VV033037.D

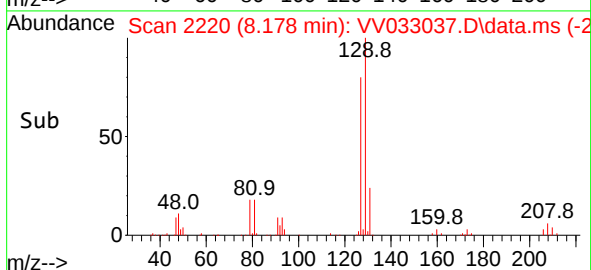
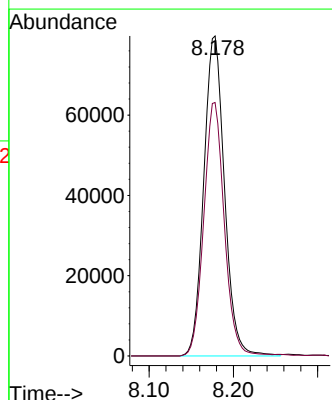
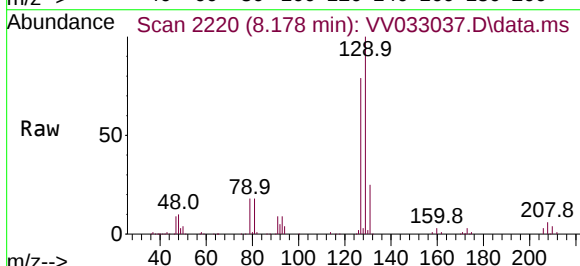
Acq: 20 Nov 2023 21:18

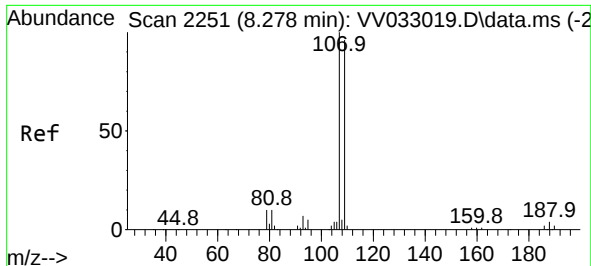
Tgt Ion: 129 Resp: 136622

Ion Ratio Lower Upper

129 100

127 79.2 54.4 101.0





#50

1,2-Dibromoethane

Concen: 46.776 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

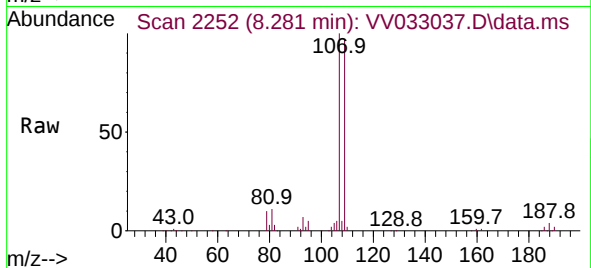
Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :



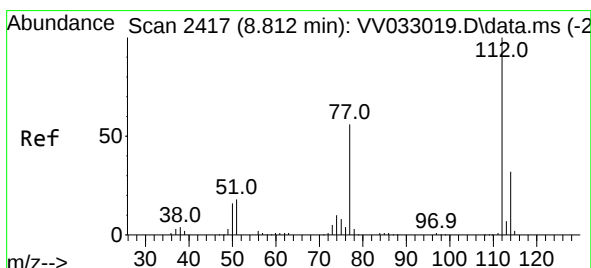
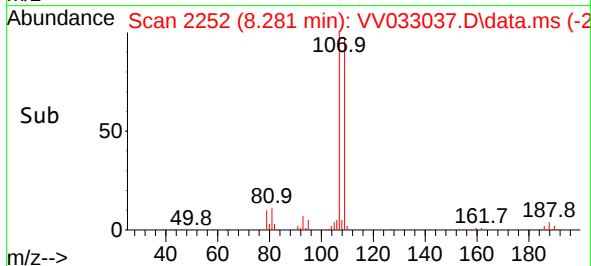
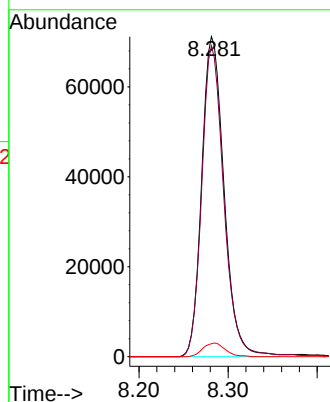
Tgt Ion:107 Resp: 123679

Ion Ratio Lower Upper

107 100

109 97.2 67.3 125.1

188 4.1 3.3 4.9



#51

Chlorobenzene

Concen: 46.014 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

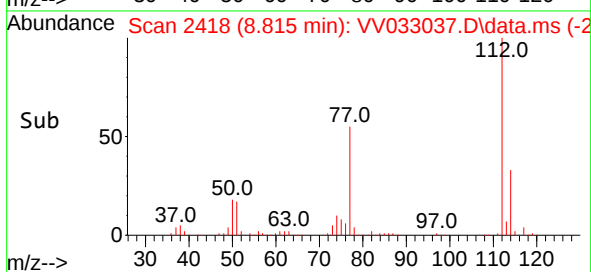
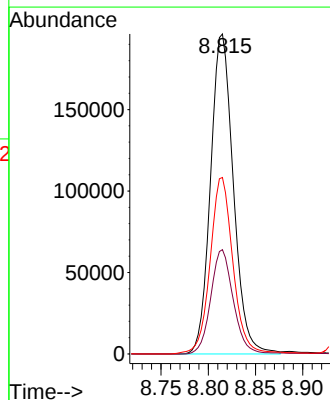
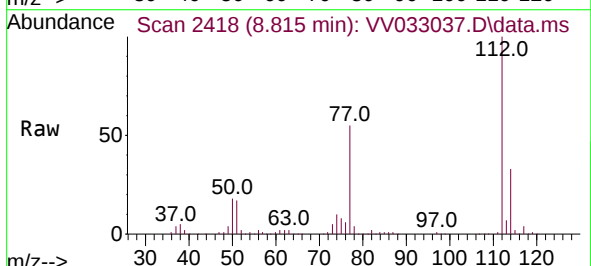
Tgt Ion:112 Resp: 330433

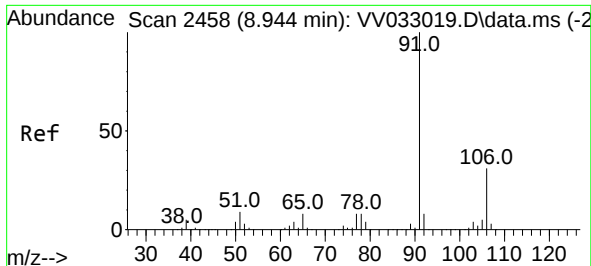
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 55.1 43.0 64.6





#52

Ethylbenzene

Concen: 47.849 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

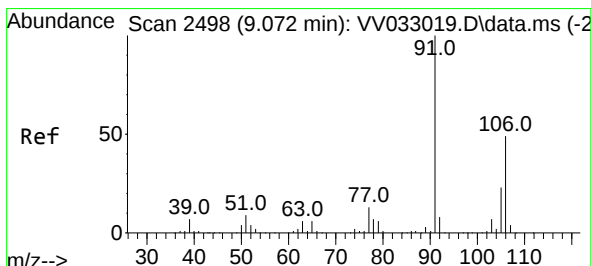
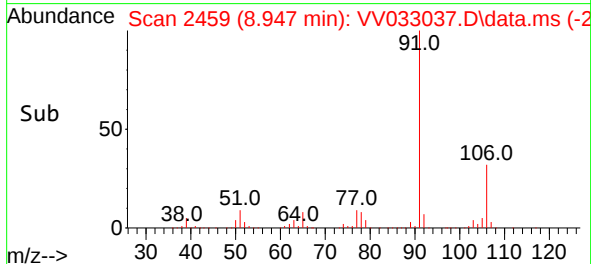
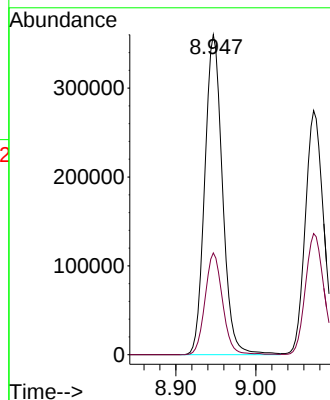
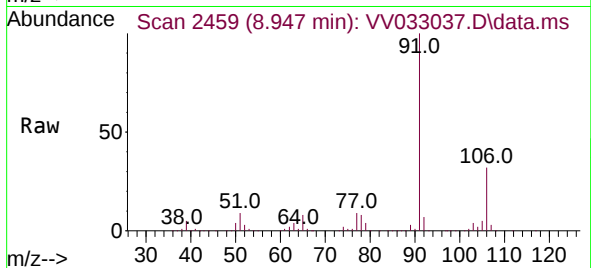
ClientSampleId :

Tgt Ion: 91 Resp: 555873

Ion Ratio Lower Upper

91 100

106 31.8 22.1 41.1



#53

m,p-Xylene

Concen: 48.029 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV033037.D

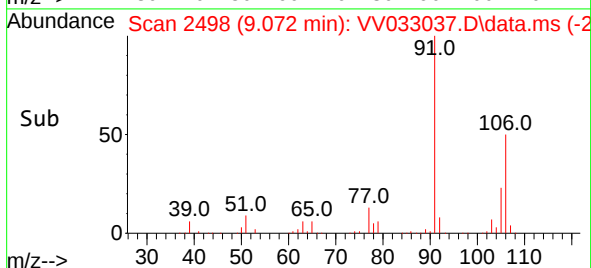
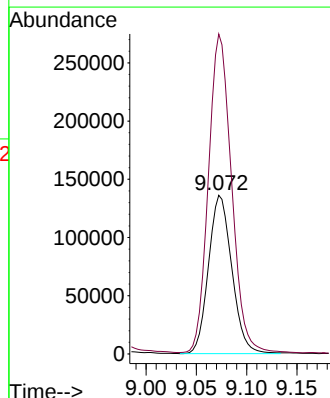
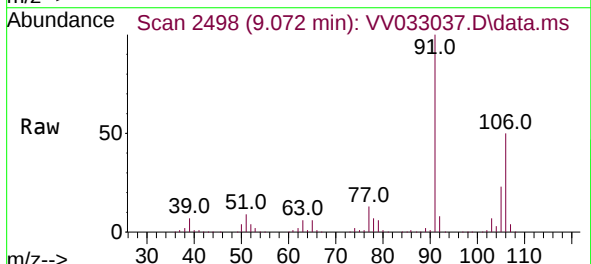
Acq: 20 Nov 2023 21:18

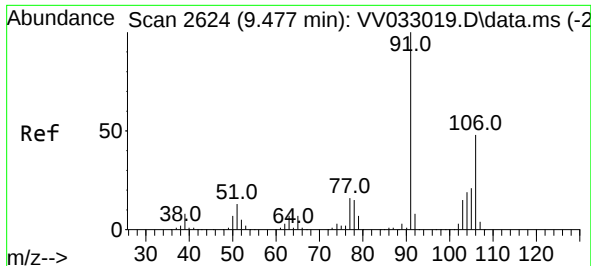
Tgt Ion:106 Resp: 219221

Ion Ratio Lower Upper

106 100

91 201.7 138.6 257.4

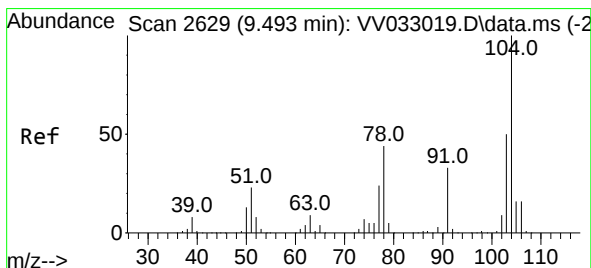
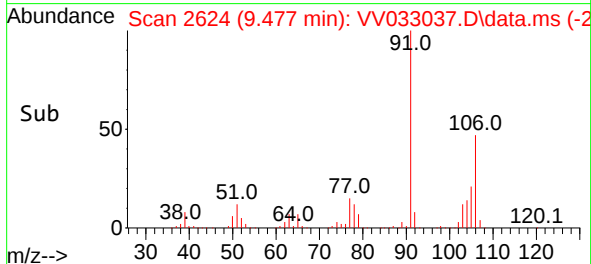
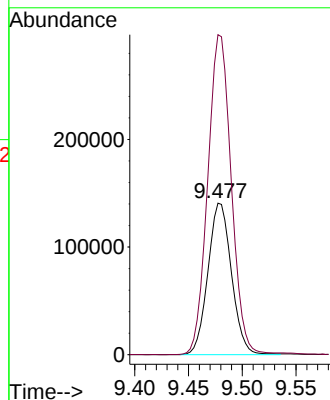
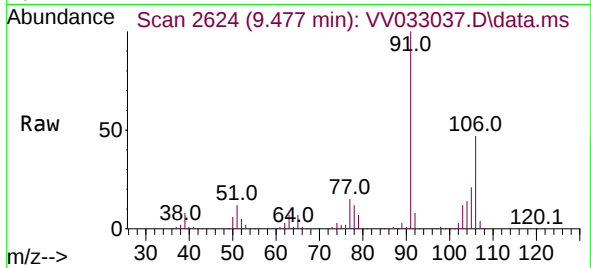




#54
o-Xylene
Concen: 48.833 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

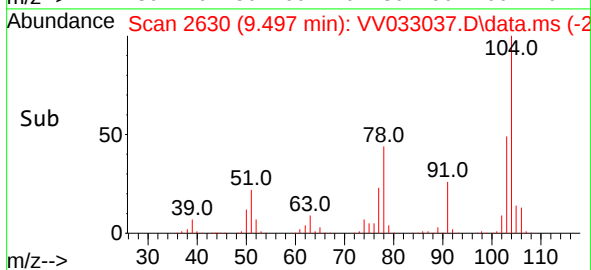
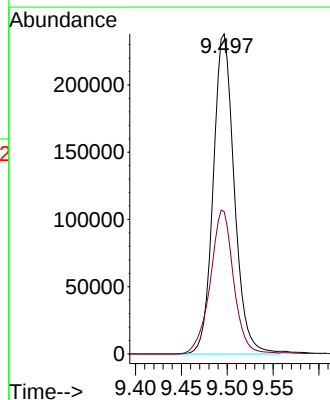
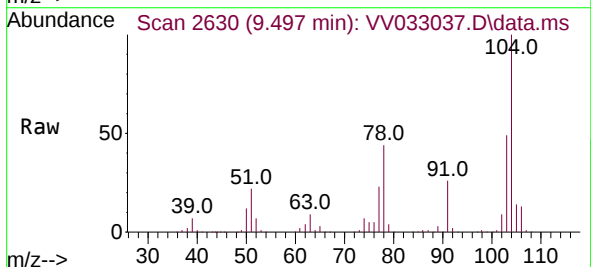
Instrument :
MSVOA_V
ClientSampleId :

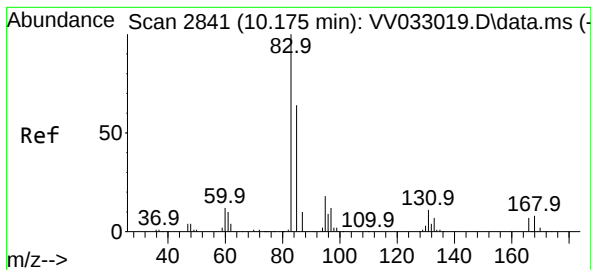
Tgt Ion:106 Resp: 214555
Ion Ratio Lower Upper
106 100
91 211.2 147.3 273.5



#55
Styrene
Concen: 48.622 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion:104 Resp: 381081
Ion Ratio Lower Upper
104 100
78 44.4 30.2 56.2

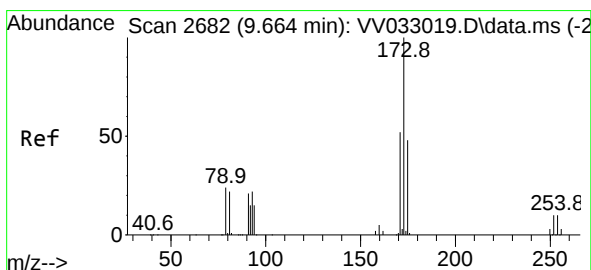
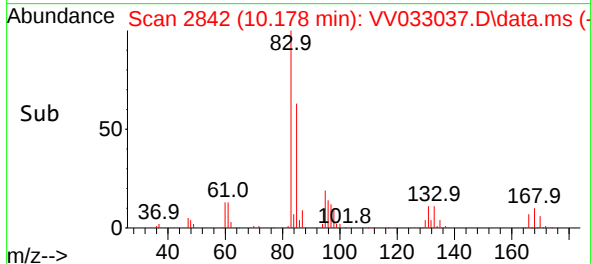
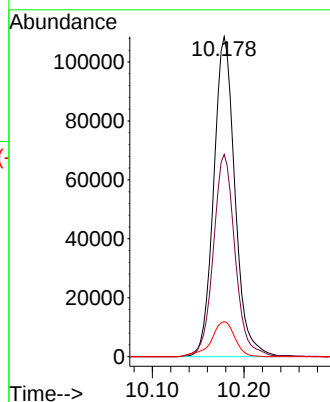
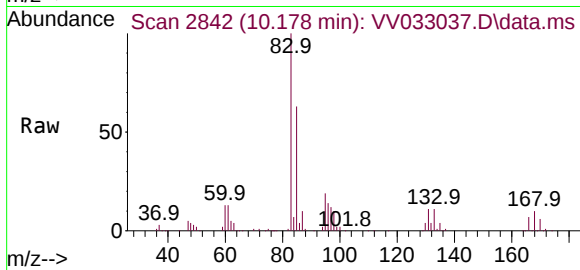




#57
1,1,2,2-Tetrachloroethane
Concen: 49.066 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

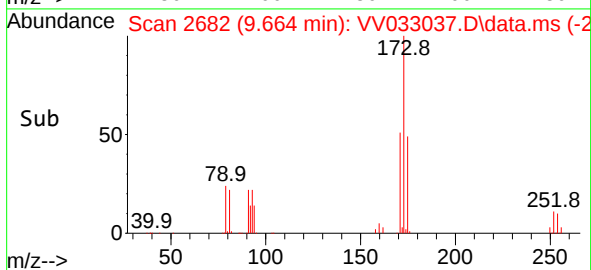
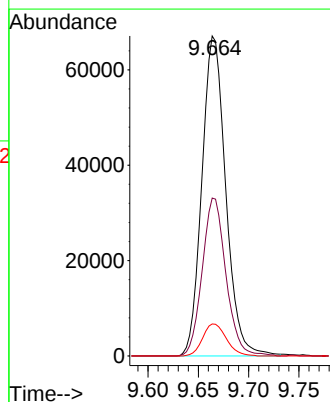
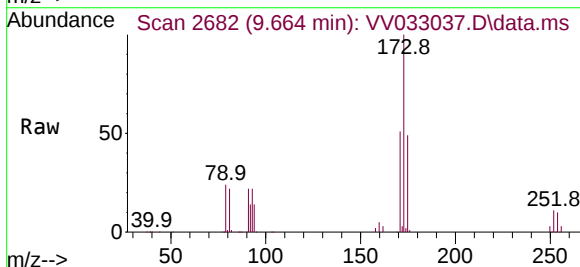
Instrument :
MSVOA_V
ClientSampleId :

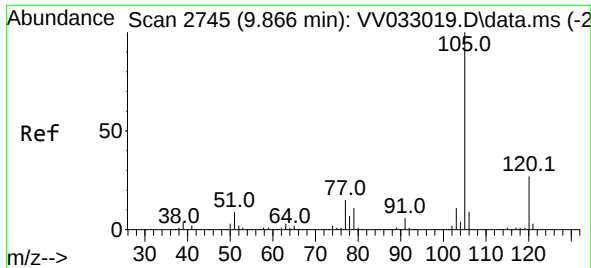
Tgt Ion: 83 Resp: 174991
Ion Ratio Lower Upper
83 100
85 63.2 45.8 85.2
131 11.0 9.4 14.0



#59
Bromoform
Concen: 48.443 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion: 173 Resp: 110844
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 10.0 7.9 11.9

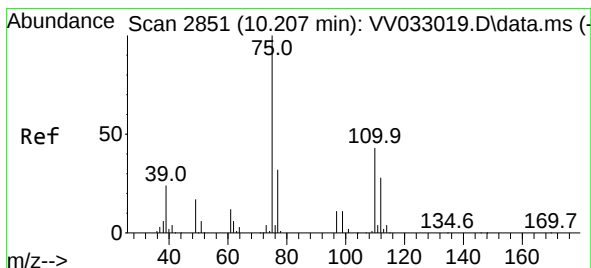
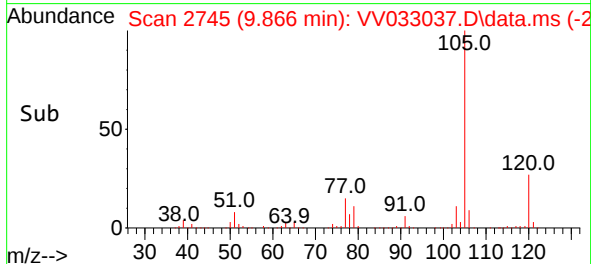
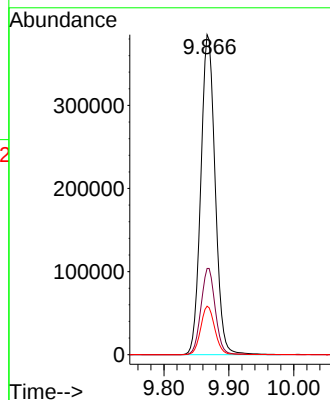
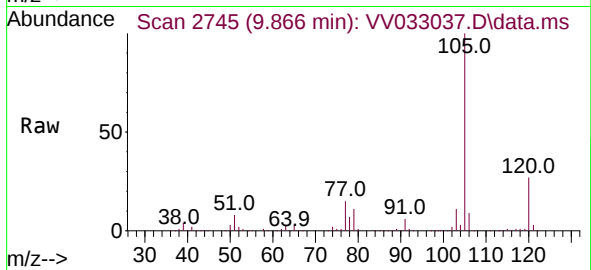




#60
Isopropylbenzene
Concen: 49.810 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

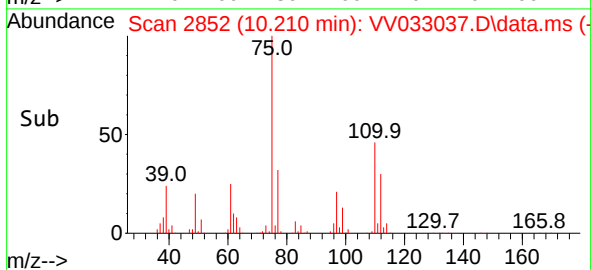
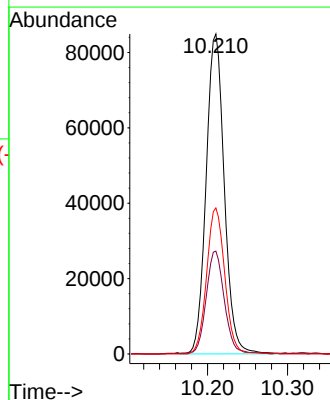
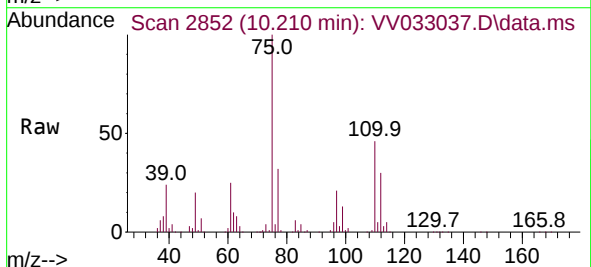
Instrument :
MSVOA_V
ClientSampleId :

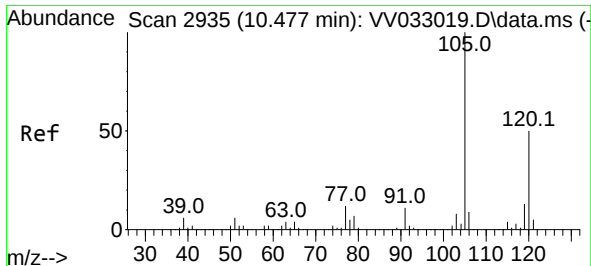
Tgt Ion:105 Resp: 592855
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.2
77 15.0 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 47.388 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion: 75 Resp: 134220
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
110 45.2 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 49.319 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

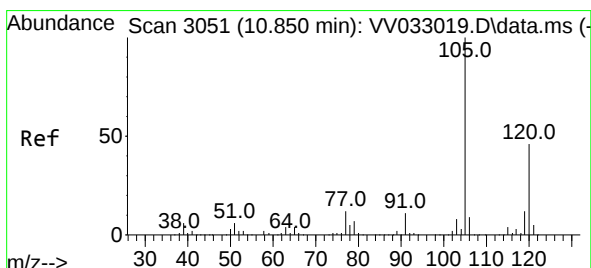
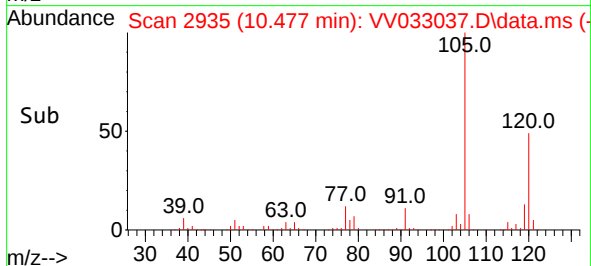
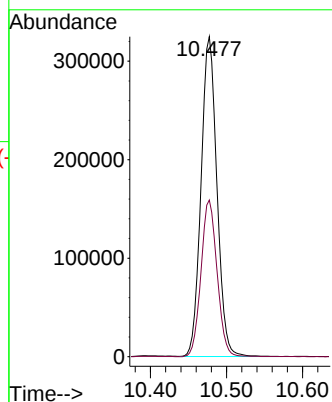
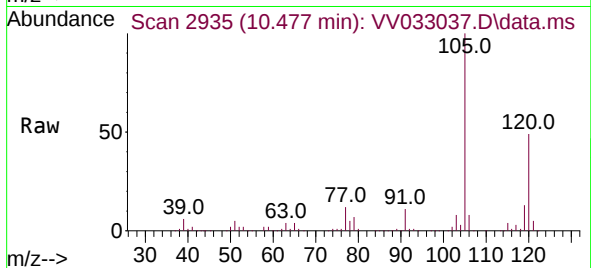
ClientSampleId :

Tgt Ion:105 Resp: 470965

Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 49.466 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033037.D

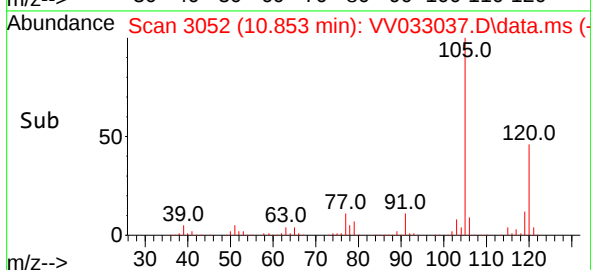
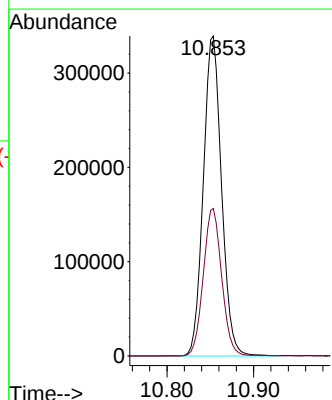
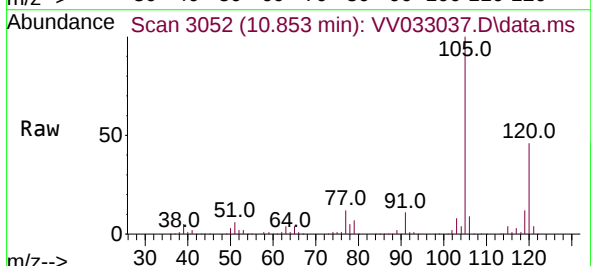
Acq: 20 Nov 2023 21:18

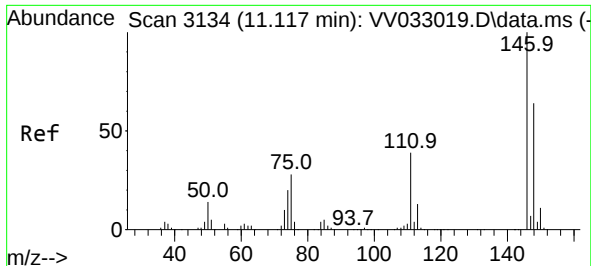
Tgt Ion:105 Resp: 494866

Ion Ratio Lower Upper

105 100

120 46.7 36.7 55.1

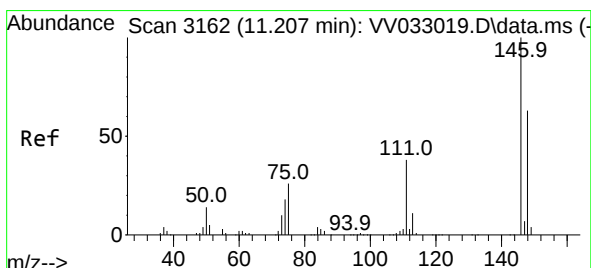
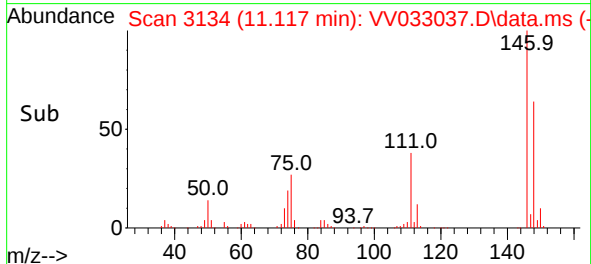
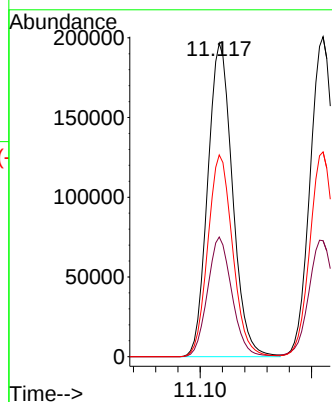
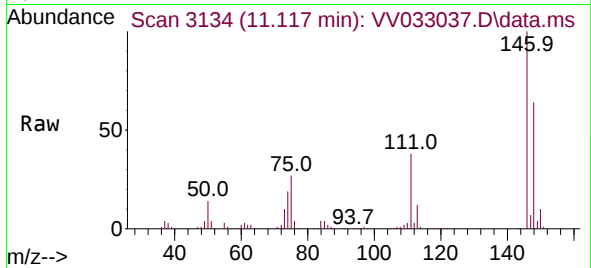




#64
1,3-Dichlorobenzene
Concen: 47.656 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

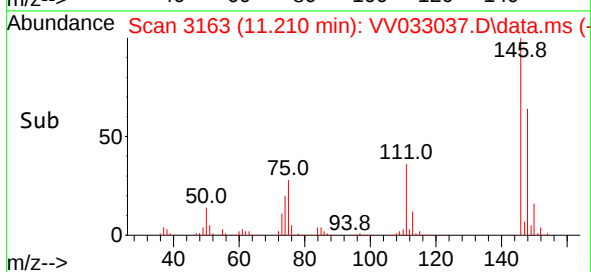
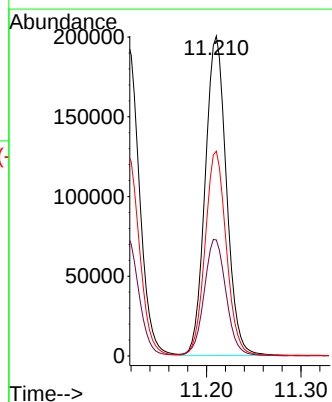
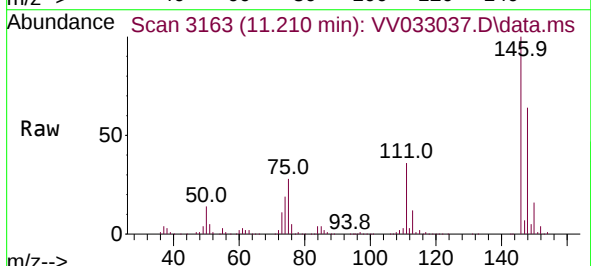
Instrument :
MSVOA_V
ClientSampleId :

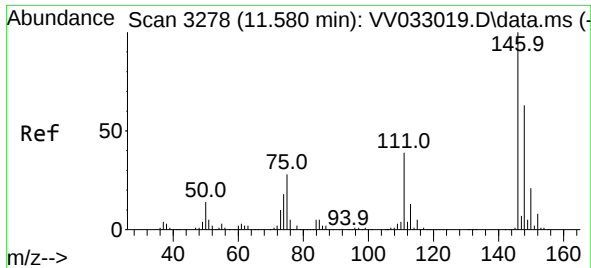
Tgt Ion:146 Resp: 303894
Ion Ratio Lower Upper
146 100
111 38.2 26.5 49.1
148 64.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 46.110 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033037.D
Acq: 20 Nov 2023 21:18

Tgt Ion:146 Resp: 312547
Ion Ratio Lower Upper
146 100
111 36.3 25.1 46.7
148 64.0 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 47.164 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

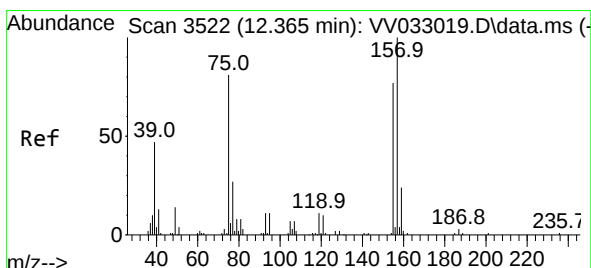
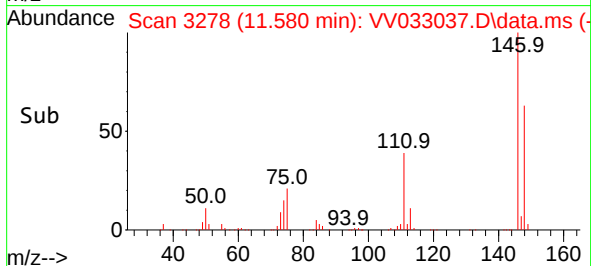
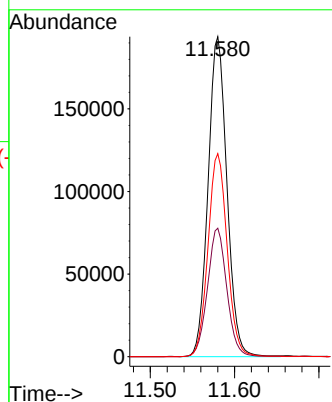
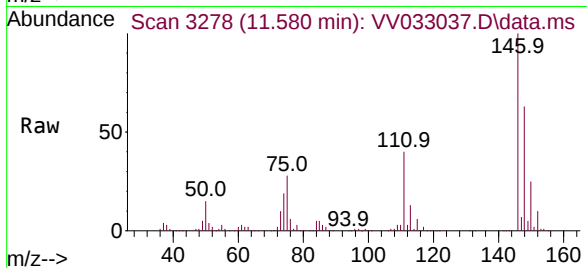
Tgt Ion:146 Resp: 301782

Ion Ratio Lower Upper

146 100

111 40.2 31.8 47.6

148 63.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.197 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

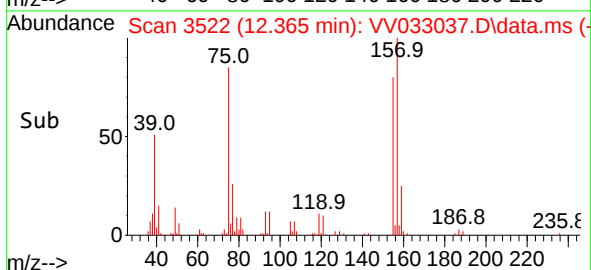
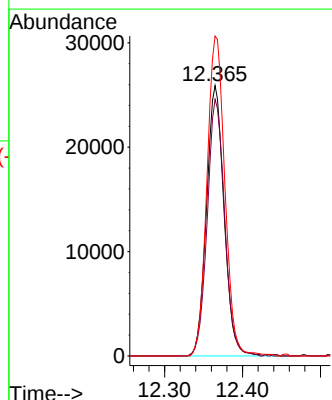
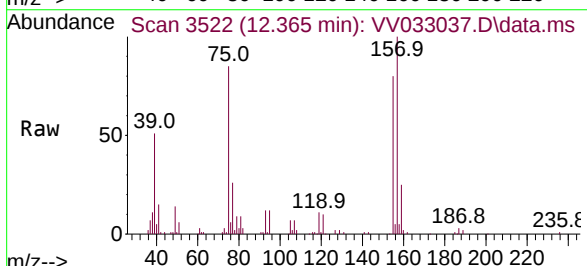
Tgt Ion: 75 Resp: 40536

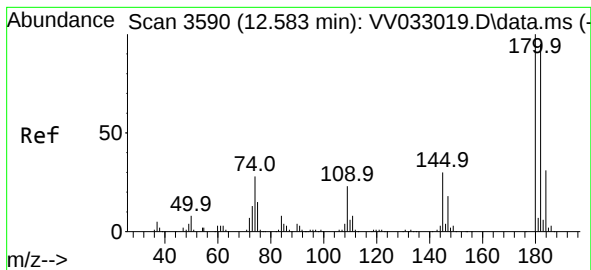
Ion Ratio Lower Upper

75 100

155 94.9 79.8 119.8

157 118.3 102.5 153.7





#69

1,3,5-Trichlorobenzene

Concen: 46.538 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

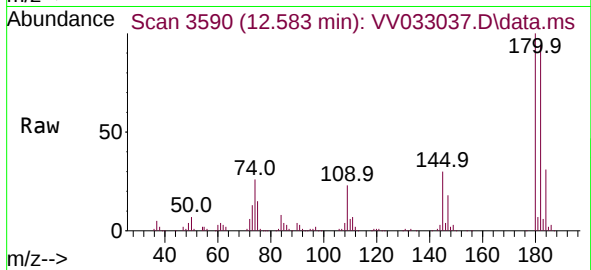
Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 230721

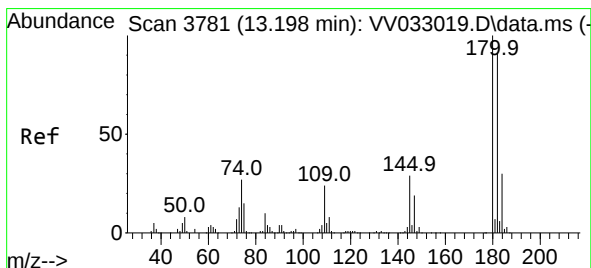
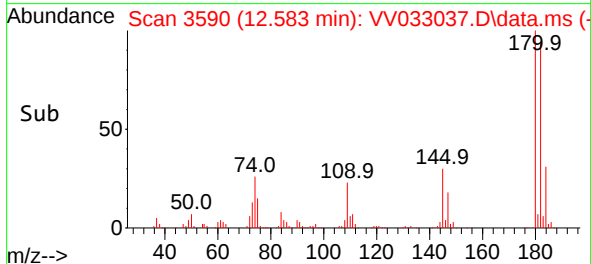
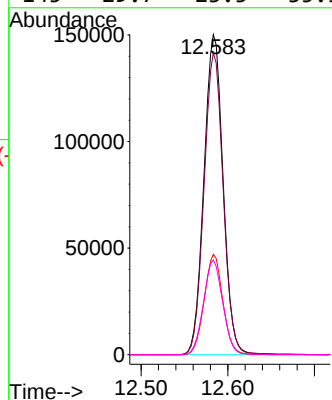
Ion Ratio Lower Upper

180 100

182 94.4 76.6 115.0

184 30.4 24.5 36.7

145 29.7 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 47.415 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

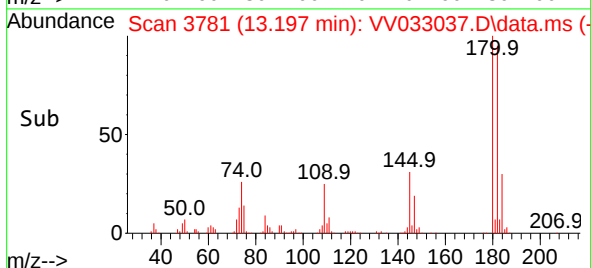
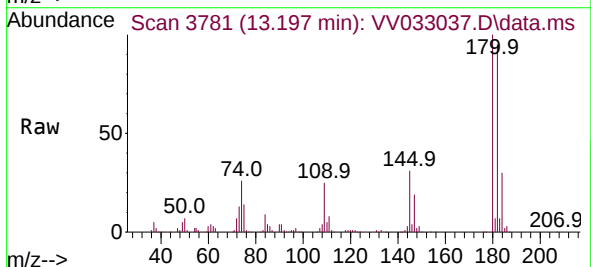
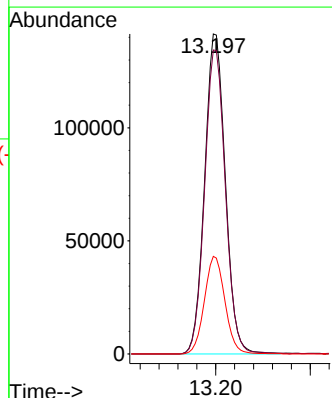
Tgt Ion:180 Resp: 215422

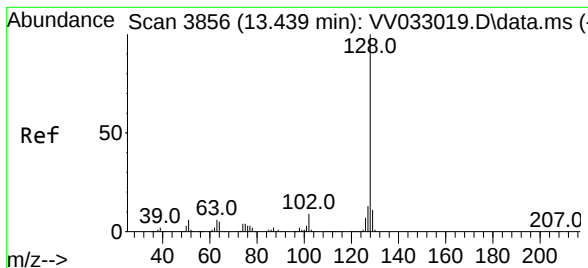
Ion Ratio Lower Upper

180 100

182 95.5 76.8 115.2

145 30.2 23.2 34.8





#71

Naphthalene

Concen: 54.451 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

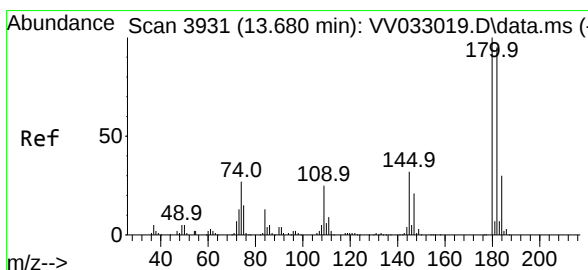
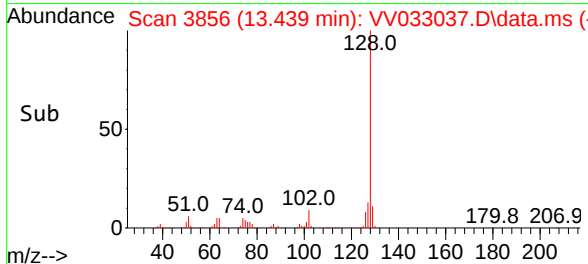
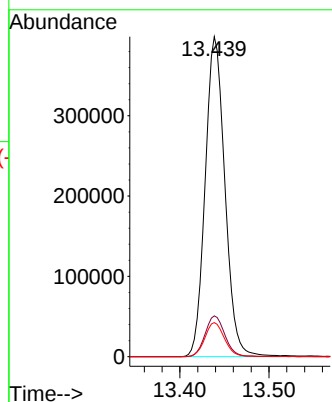
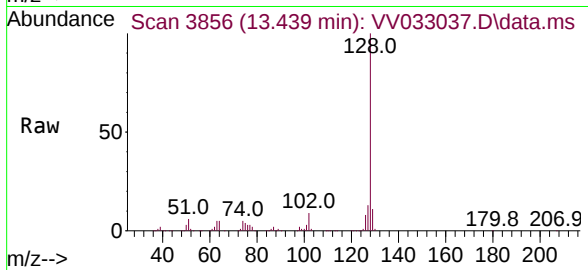
Tgt Ion:128 Resp: 611895

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.431 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033037.D

Acq: 20 Nov 2023 21:18

Tgt Ion:180 Resp: 222147

Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

145 31.4 25.5 38.3

