

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033786.D
 Acq On : 20 Jan 2024 04:45
 Operator : SY/MD
 Sample : P1189-08MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 20 06:01:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 23:43:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	248389	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	234686	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	120519	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	63222	33.118	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.240%
7) Chloroethane-d5	1.529	69	55170	36.494	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.980%
11) 1,1-Dichloroethene-d2	2.060	65	30587	37.230	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.460%
21) 2-Butanone-d5	3.783	46	84579	64.594	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	64.590%
24) Chloroform-d	4.249	84	129996	38.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.160%
26) 1,2-Dichloroethane-d4	4.941	65	86010	38.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.000%
32) Benzene-d6	4.960	84	244353	36.624	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.240%
36) 1,2-Dichloropropane-d6	5.989	67	76152	34.675	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	69.340%#
41) Toluene-d8	7.243	98	224887	37.410	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.820%#
43) trans-1,3-Dichloroprop...	7.551	79	37927	34.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.880%
47) 2-Hexanone-d5	8.021	63	60870	66.818	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	66.820%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	97664	34.834	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	69.660%
66) 1,2-Dichlorobenzene-d4	11.561	152	88307	38.620	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.240%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	76113	36.834	ug/L	98
3) Chloromethane	1.217	50	83587	35.573	ug/L	99
5) Vinyl chloride	1.285	62	87503	38.926	ug/L #	45
6) Bromomethane	1.481	94	41376	35.219	ug/L	96
8) Chloroethane	1.548	64	57003	42.527	ug/L	93
9) Trichlorofluoromethane	1.712	101	129429	48.250	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	70020	44.306	ug/L	96
12) 1,1-Dichloroethene	2.069	96	66430	44.563	ug/L	99
13) Acetone	2.111	43	63991	51.114	ug/L	99
14) Carbon disulfide	2.243	76	202450	39.958	ug/L	99
15) Methyl Acetate	2.372	43	63919	31.223	ug/L #	100
16) Methylene chloride	2.446	84	72850	40.059	ug/L	96
17) trans-1,2-Dichloroethene	2.696	96	67714	40.664	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	245242	40.949	ug/L	99
19) 1,1-Dichloroethane	3.111	63	136390	40.064	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	77199	41.655	ug/L	94
22) 2-Butanone	3.863	43	90331	59.408	ug/L	94
23) Bromochloromethane	4.146	128	38552	42.820	ug/L	89
25) Chloroform	4.275	83	135928	42.112	ug/L	100

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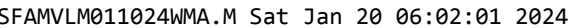
Instrument :
 MSVOA_V
 ClientSampleId :

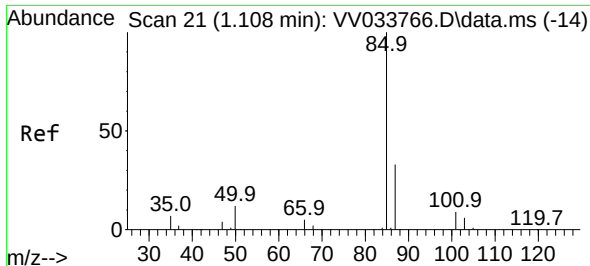
Quant Time: Jan 20 06:01:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 23:43:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	115344	42.784	ug/L	98
29) Cyclohexane	4.584	56	123770	37.409	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	124924	44.356	ug/L	98
31) Carbon tetrachloride	4.735	117	109209	45.429	ug/L	100
33) Benzene	5.008	78	283907	41.187	ug/L	100
34) Trichloroethene	5.831	95	75728	40.955	ug/L	97
35) Methylcyclohexane	6.050	83	119572	37.787	ug/L	97
37) 1,2-Dichloropropane	6.092	63	76161	40.152	ug/L	99
38) Bromodichloromethane	6.433	83	102730	41.400	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	125125	39.502	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	198745	70.712	ug/L	97
42) Toluene	7.314	91	301653	41.398	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	113969	39.044	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	70433	40.924	ug/L	98
46) Tetrachloroethene	7.905	164	58162	42.885	ug/L	96
48) 2-Hexanone	8.072	43	142923	63.818	ug/L	98
49) Dibromochloromethane	8.175	129	73883	41.218	ug/L	99
50) 1,2-Dibromoethane	8.281	107	72979	40.125	ug/L	99
51) Chlorobenzene	8.812	112	192611	41.498	ug/L	99
52) Ethylbenzene	8.944	91	345527	40.941	ug/L	99
53) m,p-Xylene	9.072	106	126580	40.626	ug/L	98
54) o-Xylene	9.477	106	128411	41.630	ug/L	99
55) Styrene	9.493	104	216009	40.561	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	107707	39.324	ug/L	99
59) Bromoform	9.664	173	51477	40.188	ug/L	97
60) Isopropylbenzene	9.866	105	346691	42.517	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	84133	39.335	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	293739	41.985	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	293055	42.039	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	153021	41.545	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	154324	41.787	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	153625	42.687	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	22374	36.250	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	111660	41.025	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	99354	40.218	ug/L	99
71) Naphthalene	13.439	128	227460	35.236	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	94985	41.194	ug/L	100

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

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Response via : Initial Calibration

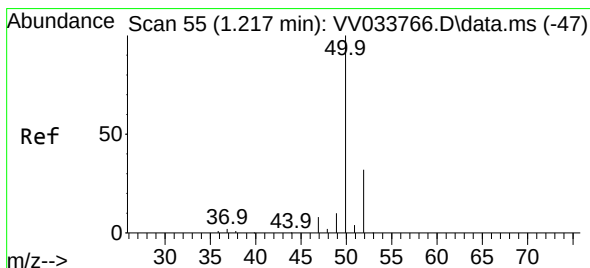
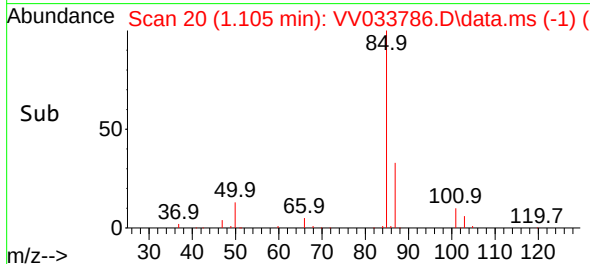
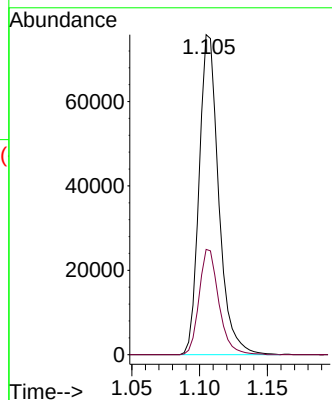
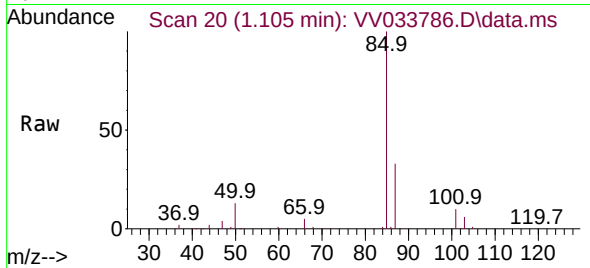




#2
 Dichlorodifluoromethane
 Concen: 36.834 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033786.D
 Acq: 20 Jan 2024 04:45

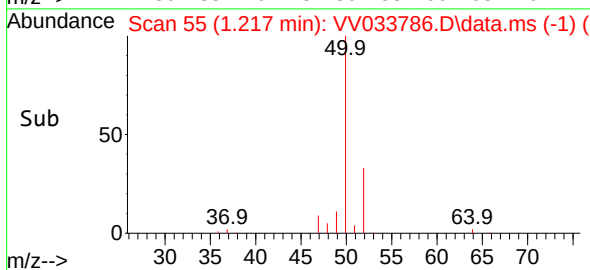
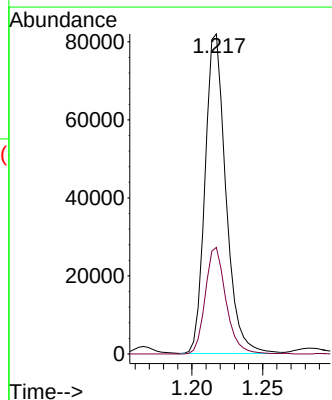
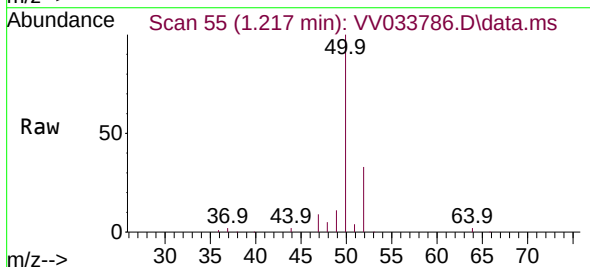
Instrument :
 MSVOA_V
 ClientSampleId :

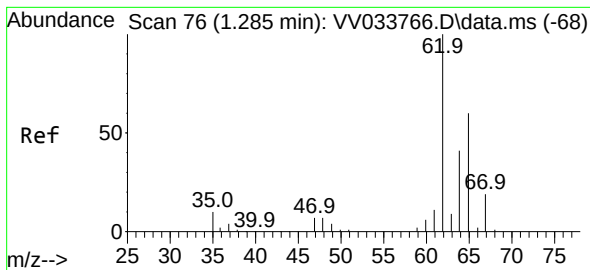
Tgt Ion: 85 Resp: 76113
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.8 38.6



#3
 Chloromethane
 Concen: 35.573 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033786.D
 Acq: 20 Jan 2024 04:45

Tgt Ion: 50 Resp: 83587
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4

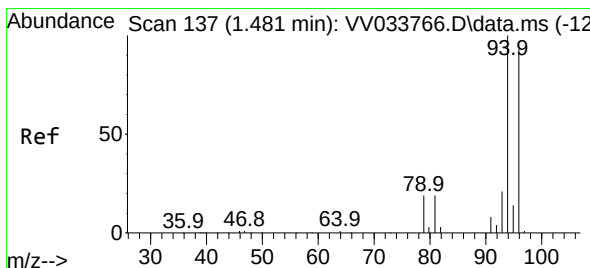
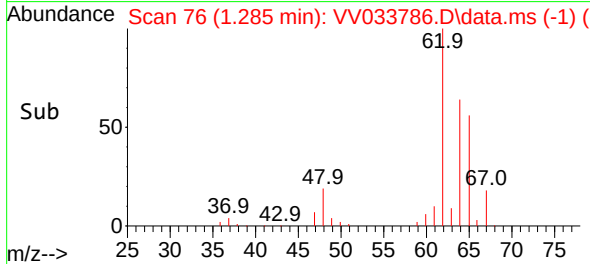
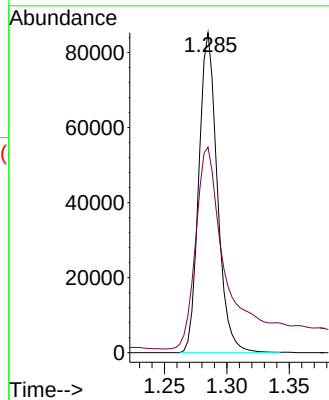
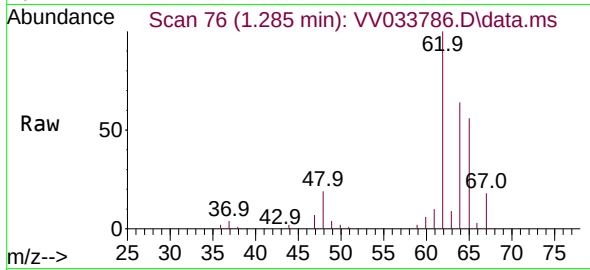




#5
Vinyl chloride
Concen: 38.926 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

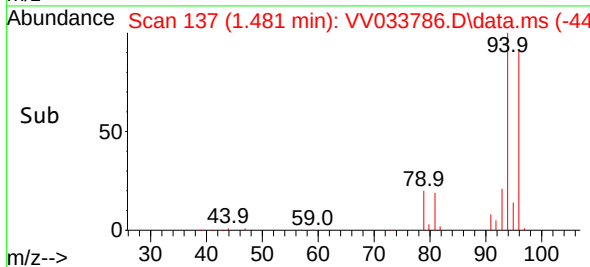
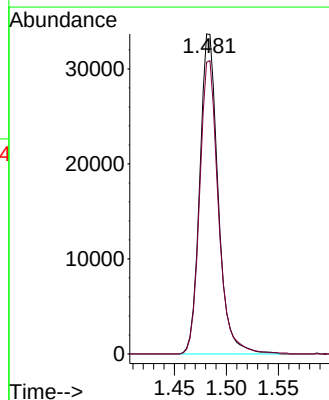
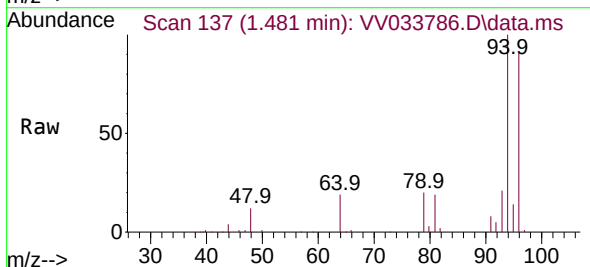
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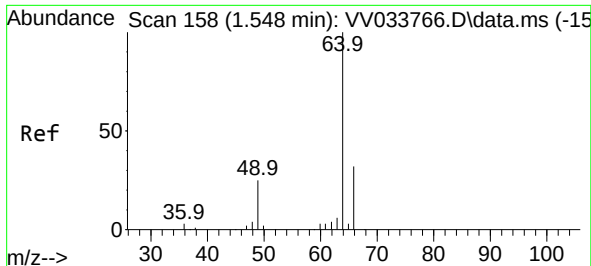
Tgt Ion: 62 Resp: 87503
Ion Ratio Lower Upper
62 100
64 64.2 23.2 43.0#



#6
Bromomethane
Concen: 35.219 ug/L
RT: 1.481 min Scan# 137
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion: 94 Resp: 41376
Ion Ratio Lower Upper
94 100
96 91.2 66.4 123.2

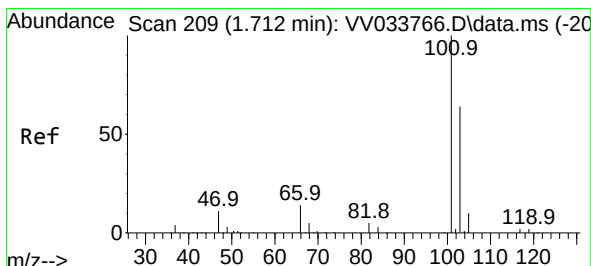
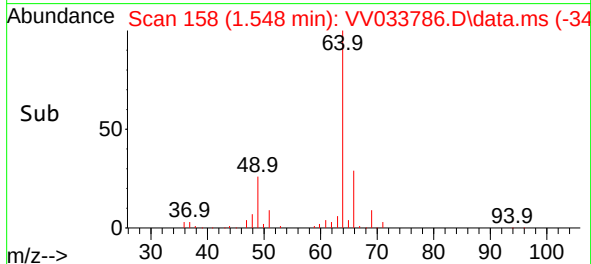
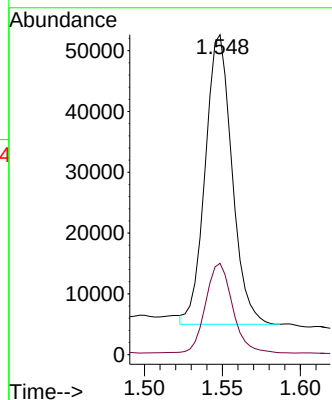
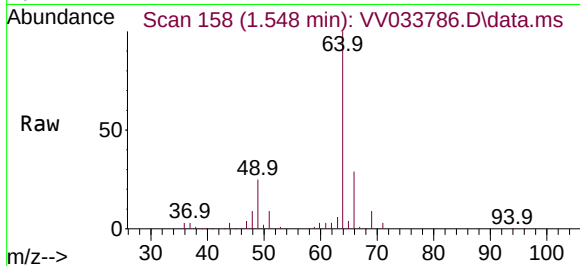




#8
Chloroethane
Concen: 42.527 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

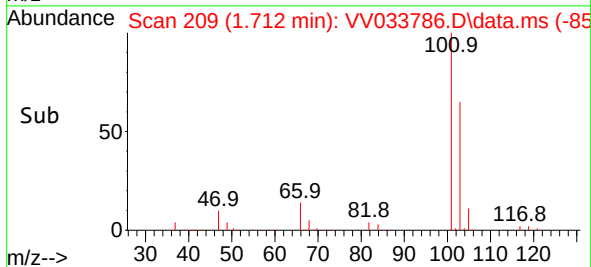
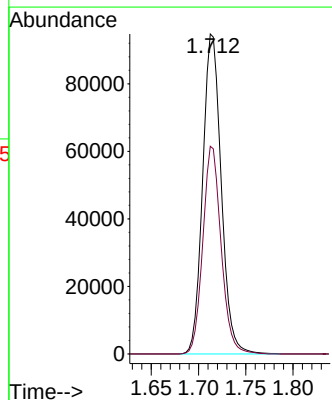
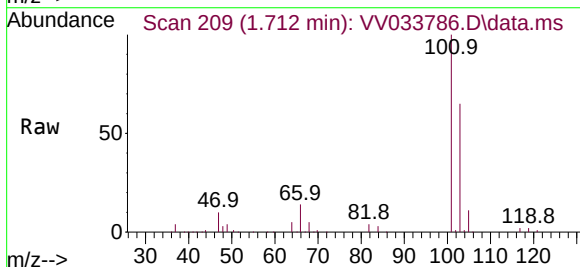
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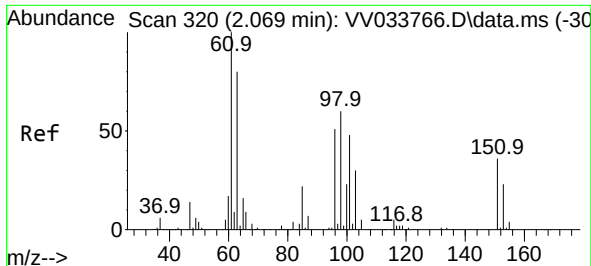
Tgt Ion: 64 Resp: 57003
Ion Ratio Lower Upper
64 100
66 28.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 48.250 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion:101 Resp: 129429
Ion Ratio Lower Upper
101 100
103 63.9 51.3 76.9

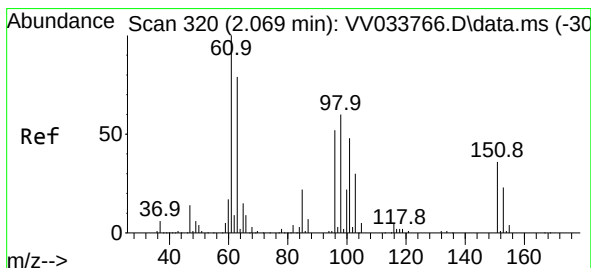
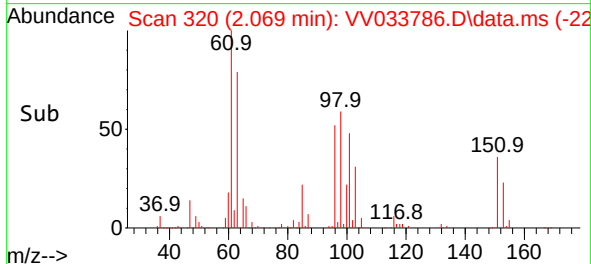
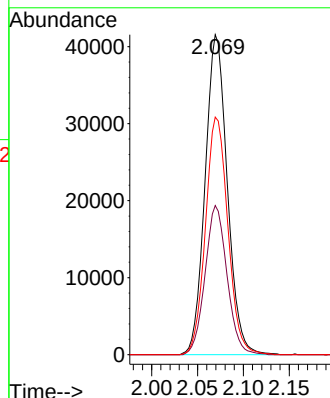
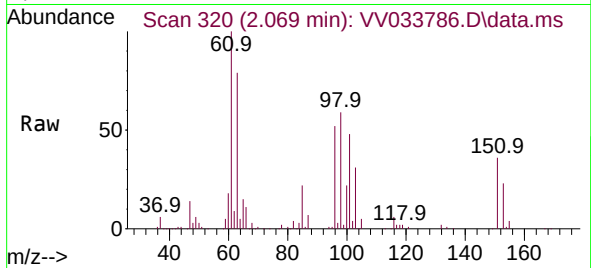




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.306 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033786.D
 Acq: 20 Jan 2024 04:45

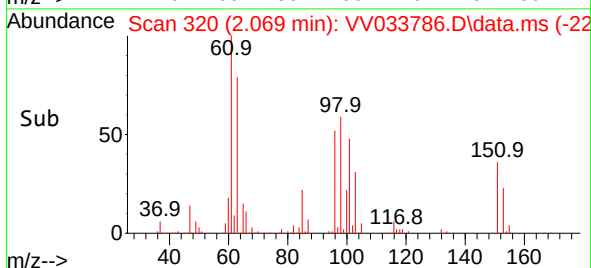
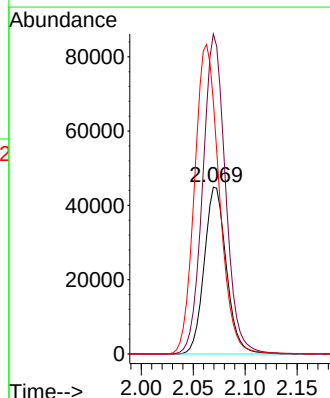
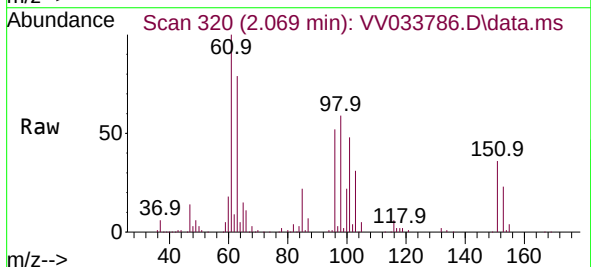
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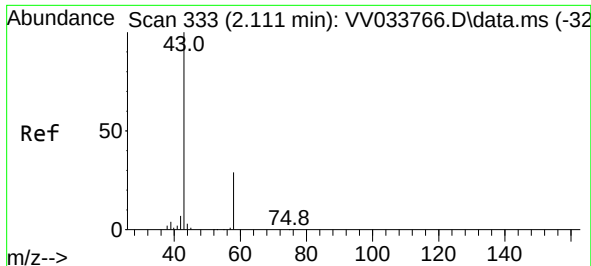
Tgt Ion:101 Resp: 70020
 Ion Ratio Lower Upper
 101 100
 85 46.0 36.2 54.4
 151 75.0 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 44.563 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033786.D
 Acq: 20 Jan 2024 04:45

Tgt Ion: 96 Resp: 66430
 Ion Ratio Lower Upper
 96 100
 61 191.7 134.0 248.8
 63 151.5 103.4 192.0





#13

Acetone

Concen: 51.114 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

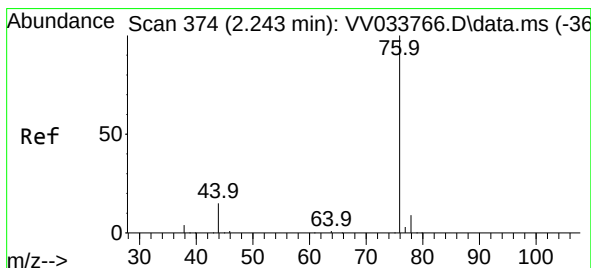
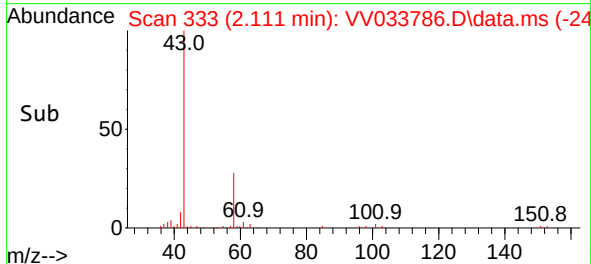
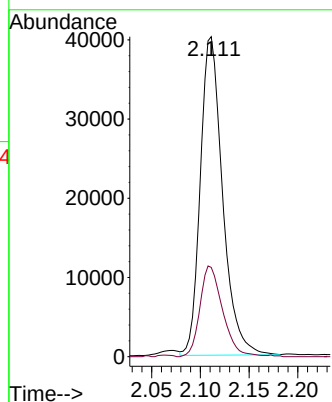
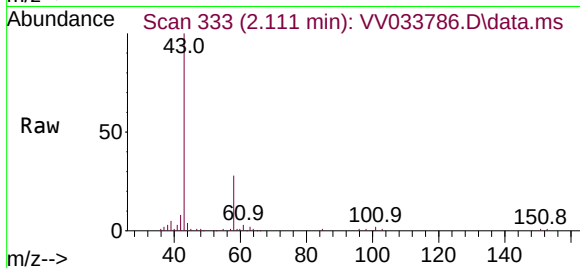
ClientSampleId :

Tgt Ion: 43 Resp: 63991

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.2



#14

Carbon disulfide

Concen: 39.958 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033786.D

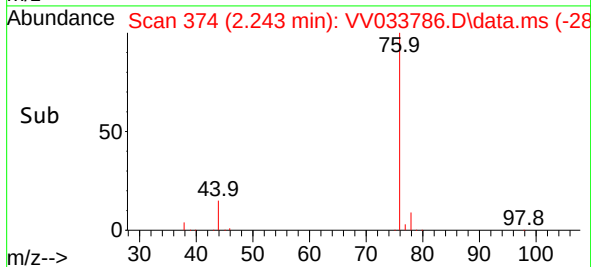
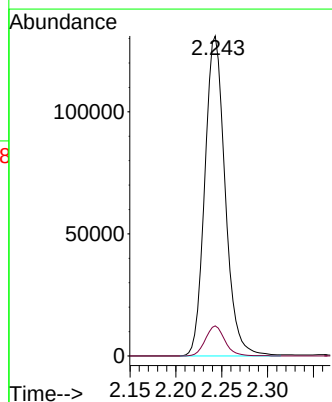
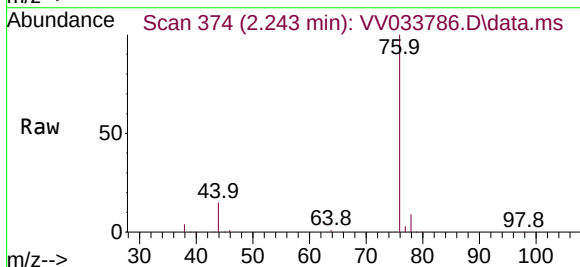
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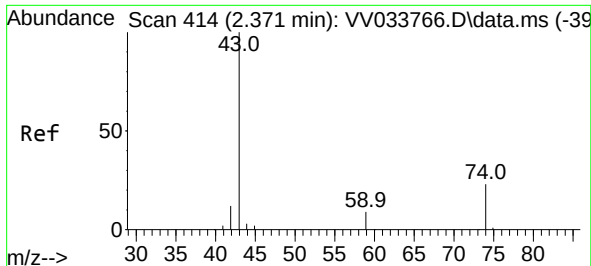
Tgt Ion: 76 Resp: 202450

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methyl Acetate

Concen: 31.223 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

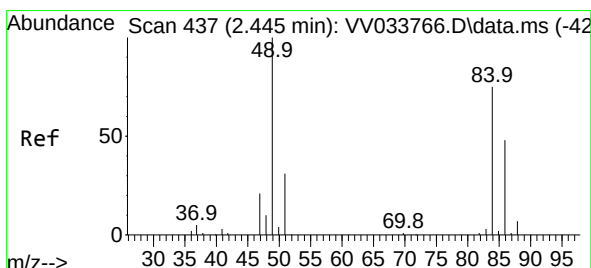
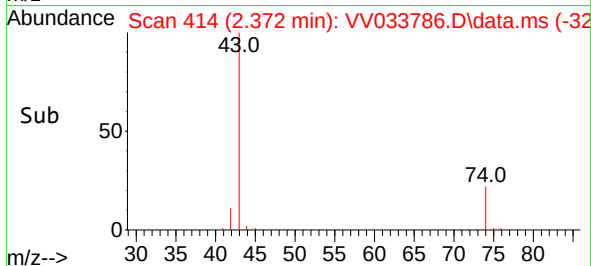
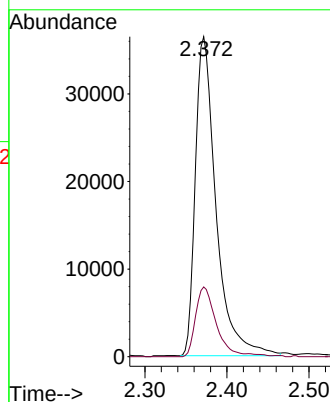
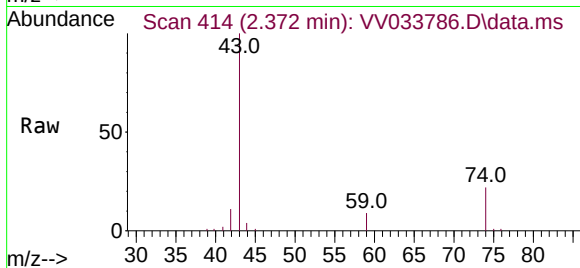
ClientSampleId :

Tgt Ion: 43 Resp: 63919

Ion Ratio Lower Upper

43 100

74 21.3 0.0 0.0#



#16

Methylene chloride

Concen: 40.059 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

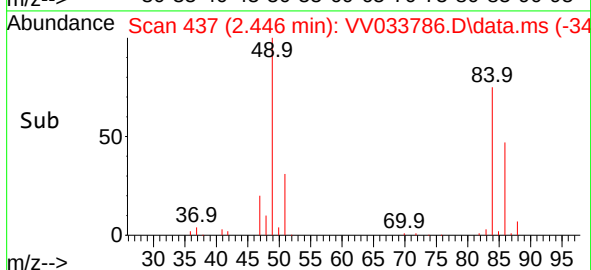
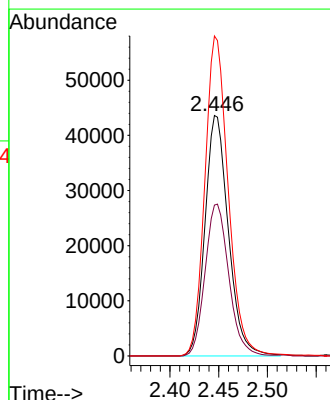
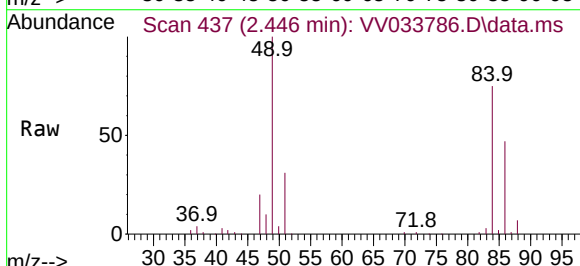
Tgt Ion: 84 Resp: 72850

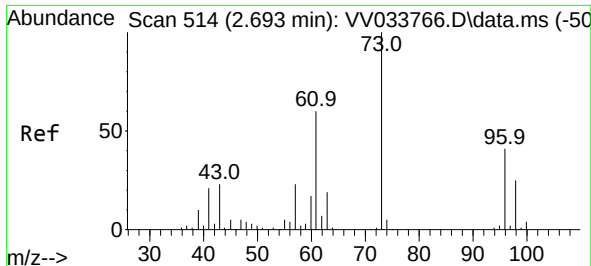
Ion Ratio Lower Upper

84 100

86 62.7 43.9 81.5

49 133.0 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 40.664 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :

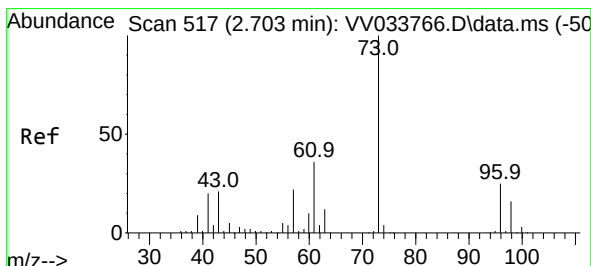
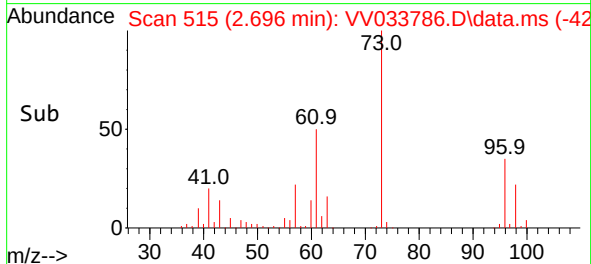
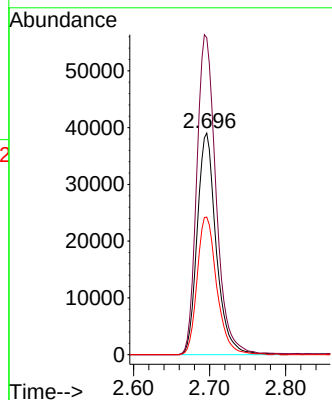
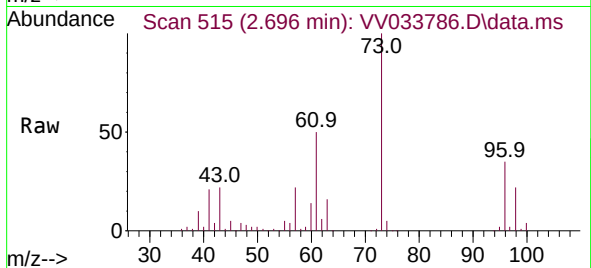
Tgt Ion: 96 Resp: 67714

Ion Ratio Lower Upper

96 100

61 143.0 108.4 201.4

98 62.1 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 40.949 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

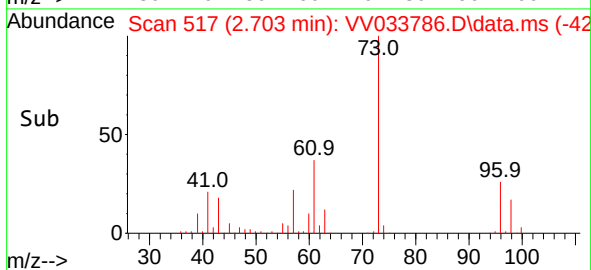
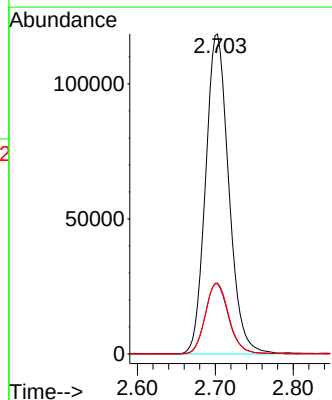
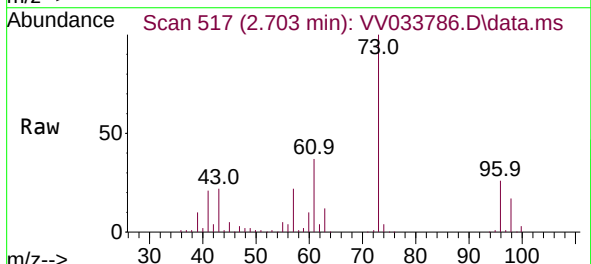
Tgt Ion: 73 Resp: 245242

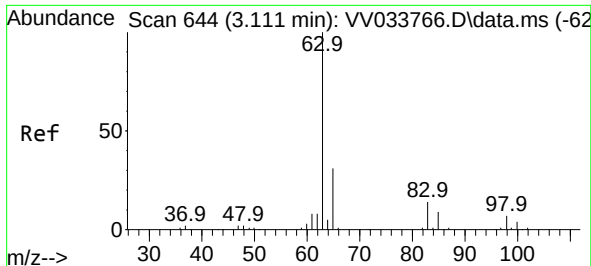
Ion Ratio Lower Upper

73 100

43 21.9 17.4 26.2

57 22.5 18.6 27.8





#19

1,1-Dichloroethane

Concen: 40.064 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :

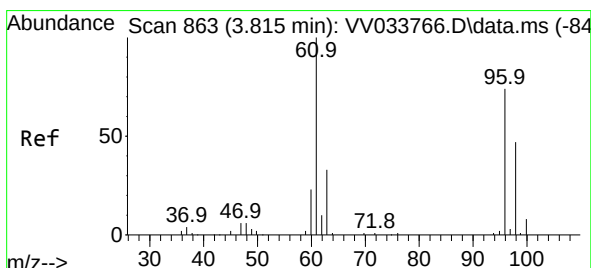
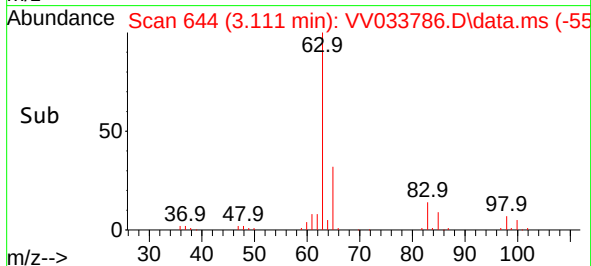
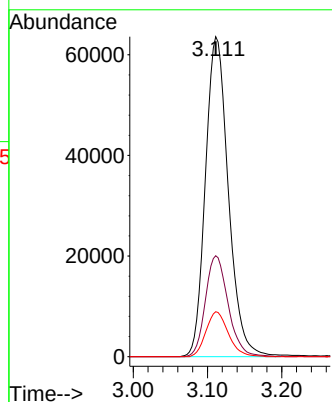
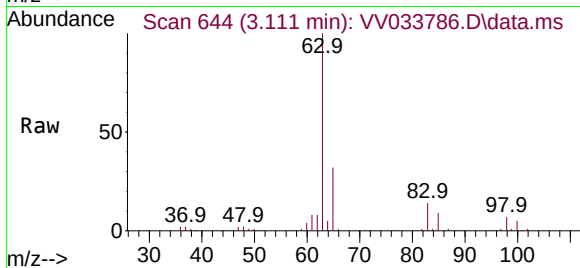
Tgt Ion: 63 Resp: 136390

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 14.1 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 41.655 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

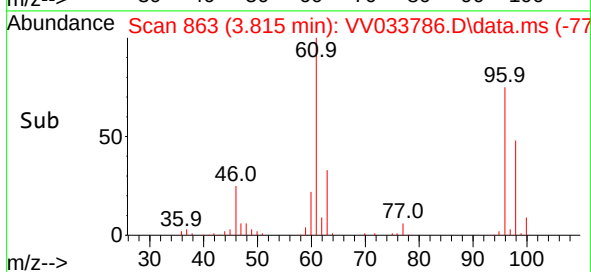
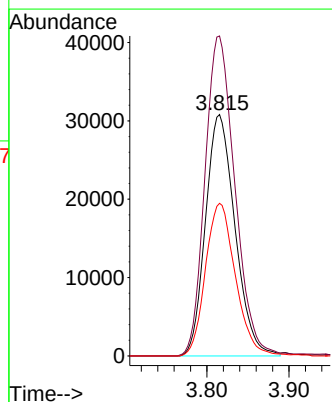
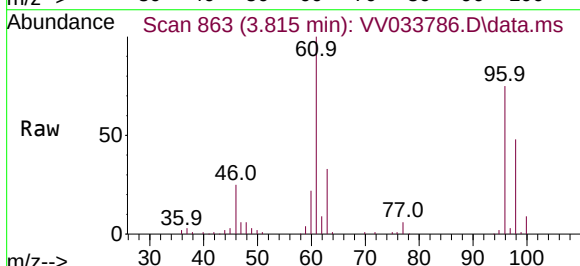
Tgt Ion: 96 Resp: 77199

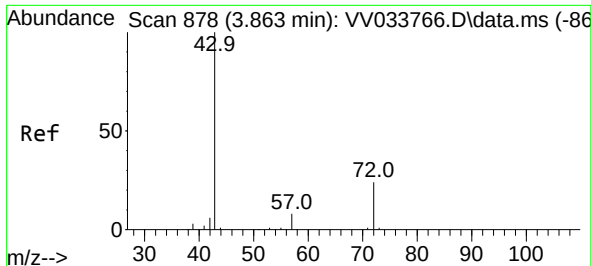
Ion Ratio Lower Upper

96 100

61 132.5 100.6 186.8

98 63.3 44.6 82.8

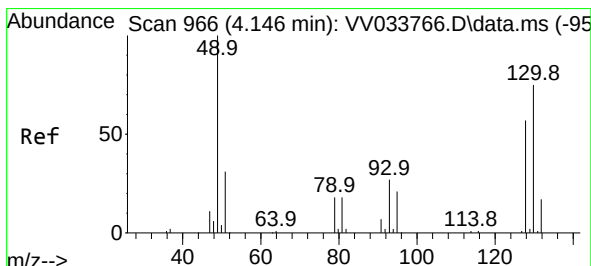
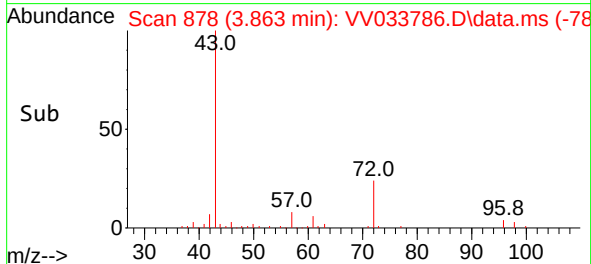
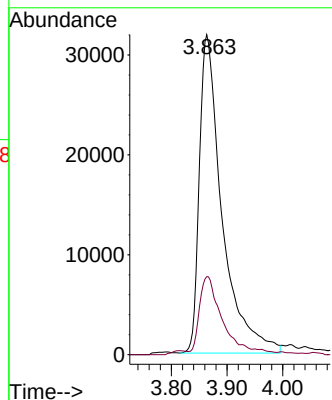
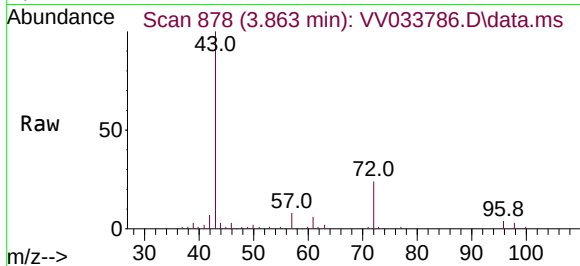




#22
2-Butanone
Concen: 59.408 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

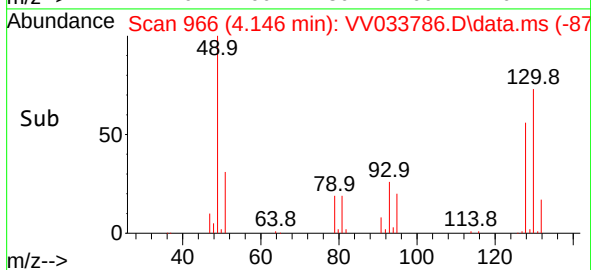
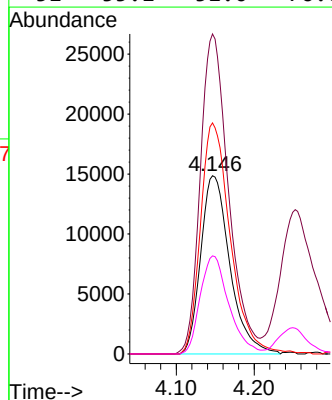
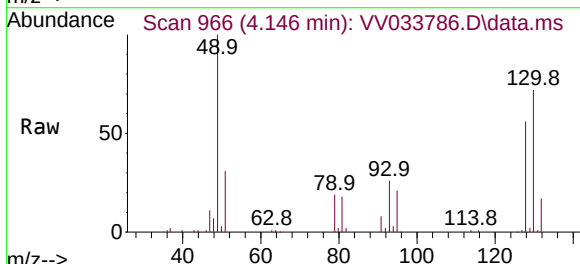
Instrument :
MSVOA_V
ClientSampleId :

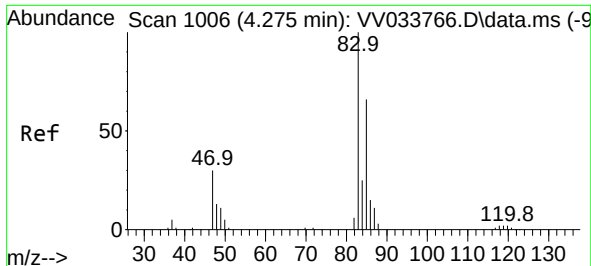
Tgt Ion: 43 Resp: 90331
Ion Ratio Lower Upper
43 100
72 20.9 11.9 35.5



#23
Bromochloromethane
Concen: 42.820 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion:128 Resp: 38552
Ion Ratio Lower Upper
128 100
49 179.6 143.9 267.2
130 129.7 90.6 168.2
51 55.1 51.0 76.6

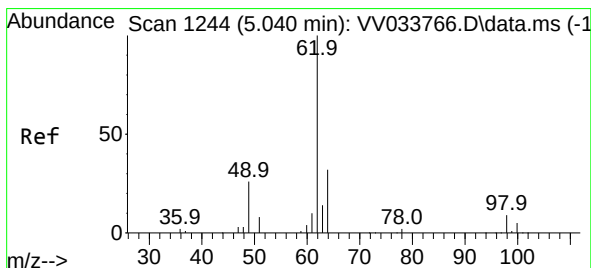
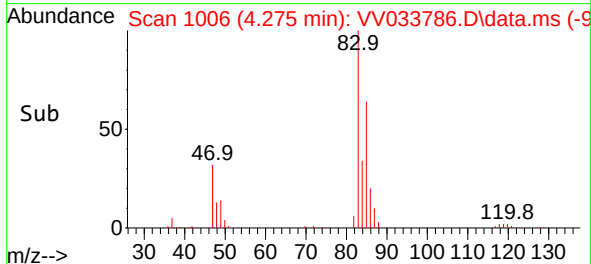
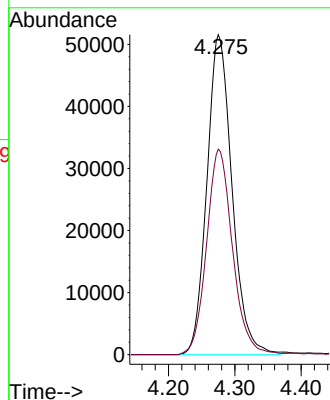
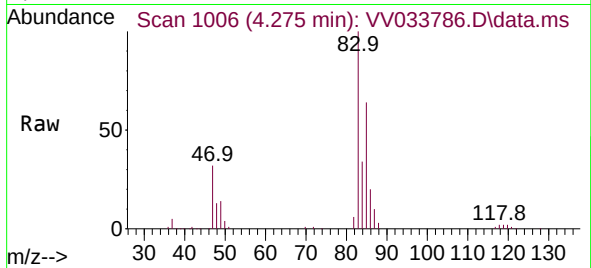




#25
Chloroform
Concen: 42.112 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

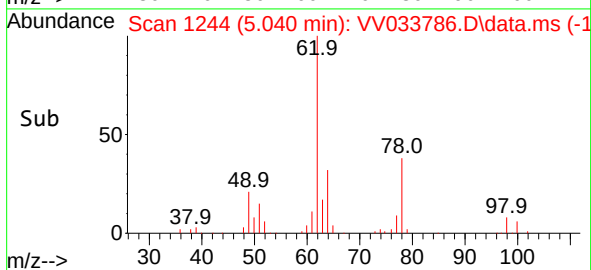
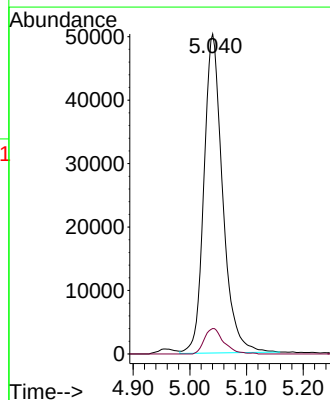
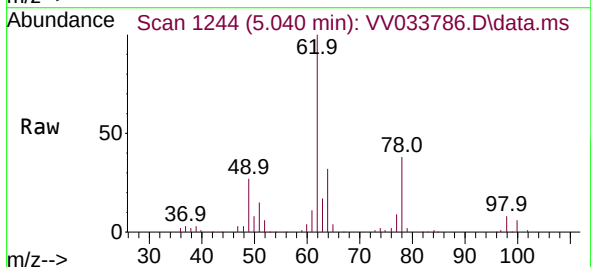
Instrument :
MSVOA_V
ClientSampleId :

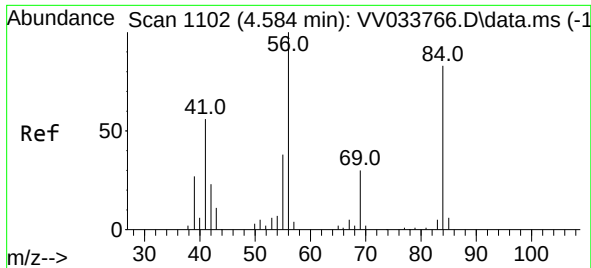
Tgt Ion: 83 Resp: 135928
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 42.784 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion: 62 Resp: 115344
Ion Ratio Lower Upper
62 100
98 7.9 6.8 10.2





#29

Cyclohexane

Concen: 37.409 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :

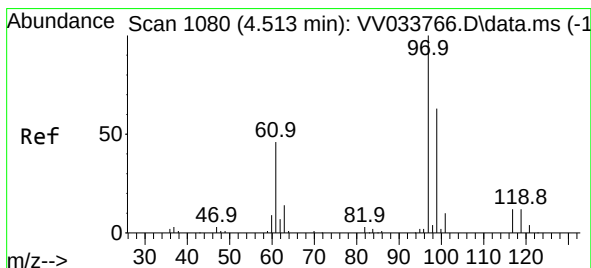
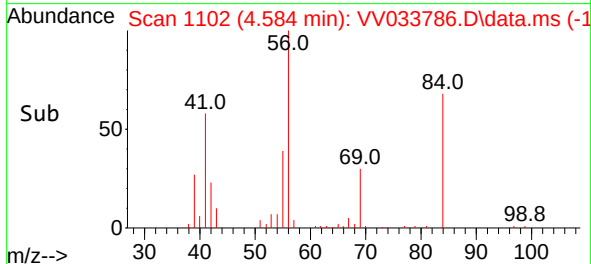
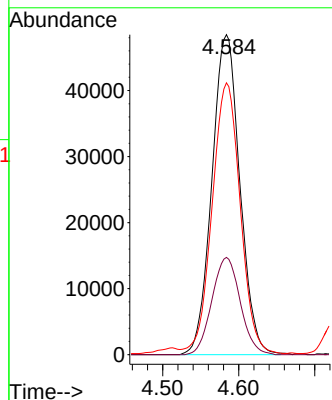
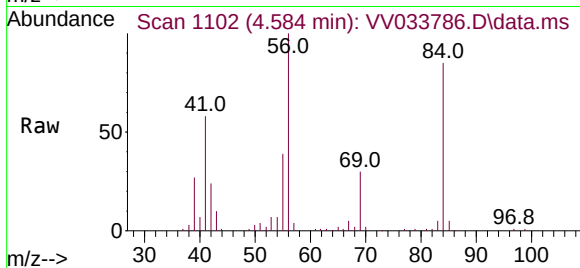
Tgt Ion: 56 Resp: 123770

Ion Ratio Lower Upper

56 100

69 30.7 23.8 35.6

84 85.1 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 44.356 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

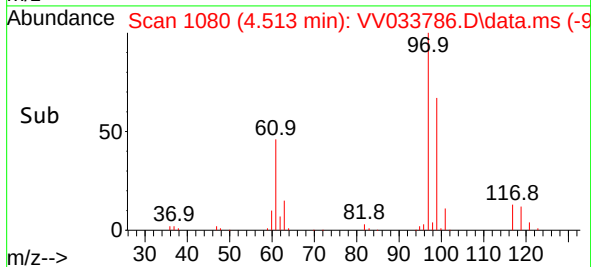
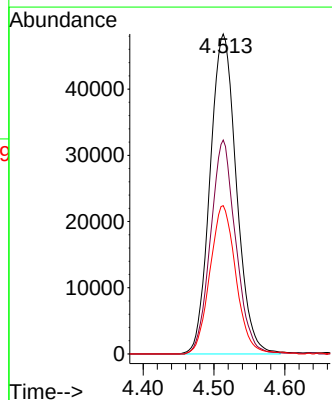
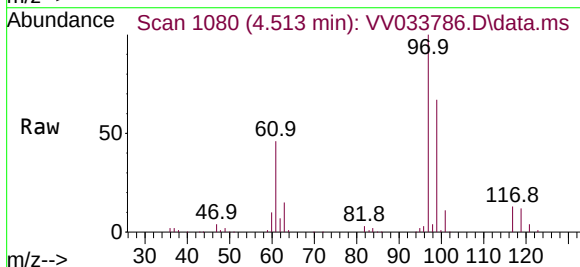
Tgt Ion: 97 Resp: 124924

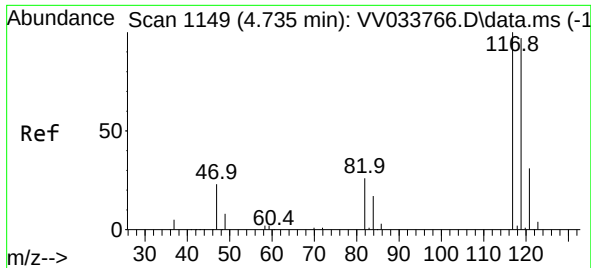
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 45.6 38.2 57.2

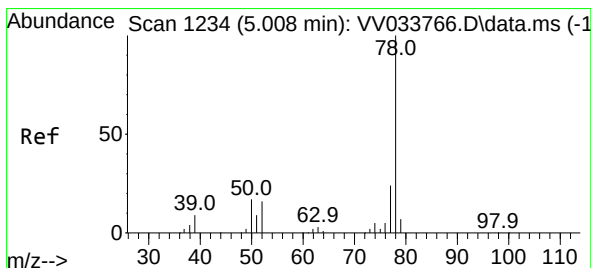
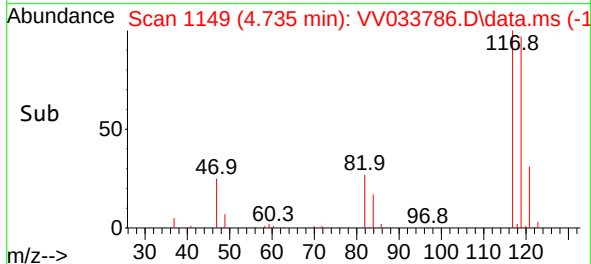
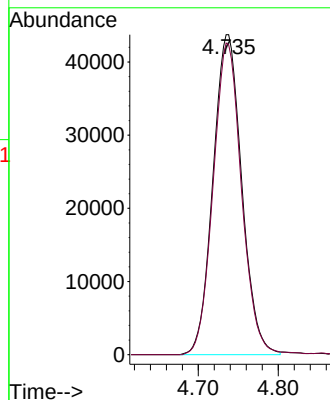
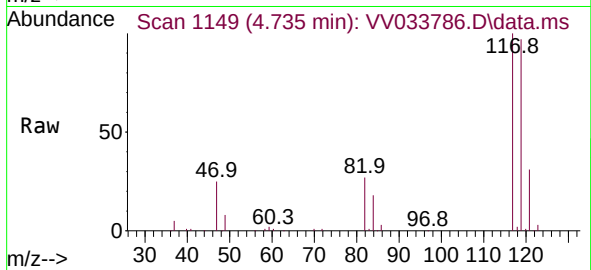




#31
Carbon tetrachloride
Concen: 45.429 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

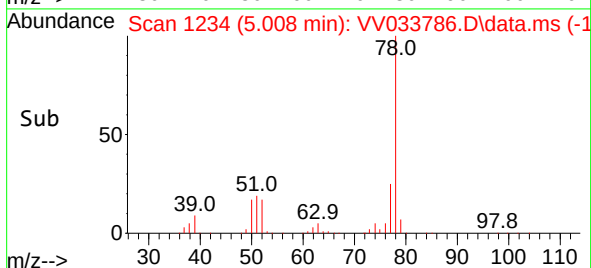
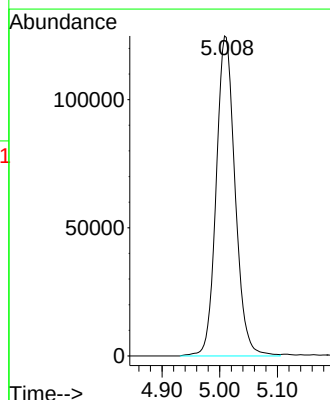
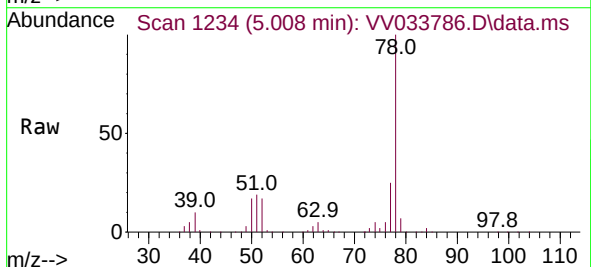
Instrument :
MSVOA_V
ClientSampleId :

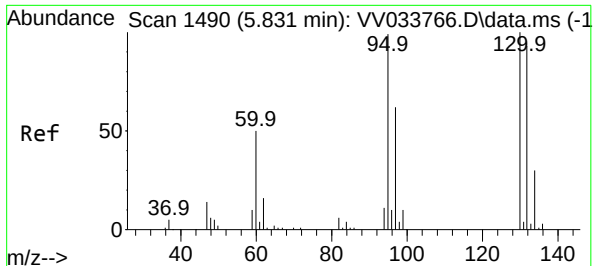
Tgt Ion:117 Resp: 109209
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4



#33
Benzene
Concen: 41.187 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion: 78 Resp: 283907





#34

Trichloroethene

Concen: 40.955 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 75728

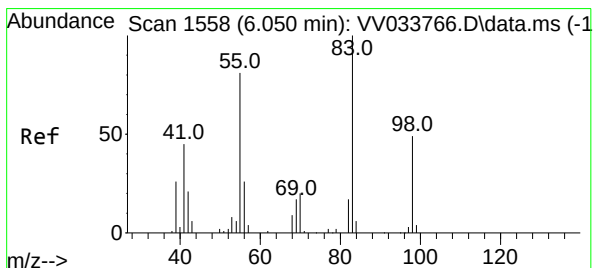
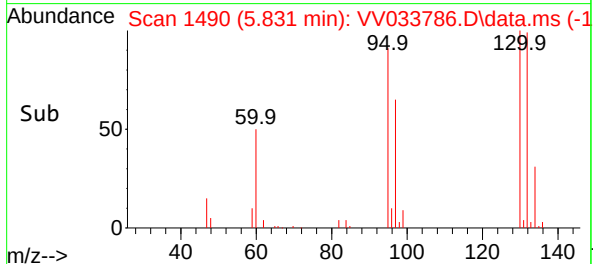
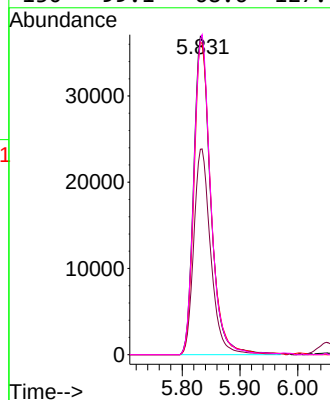
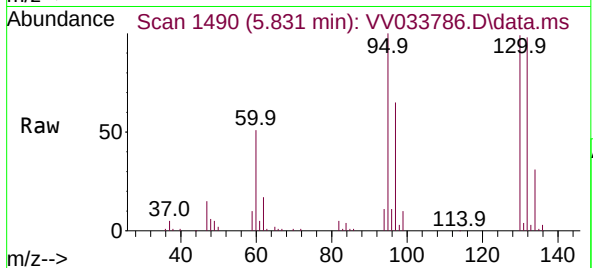
Ion Ratio Lower Upper

95 100

97 64.6 44.4 82.4

132 98.4 65.5 121.7

130 99.1 68.6 127.4



#35

Methylcyclohexane

Concen: 37.787 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

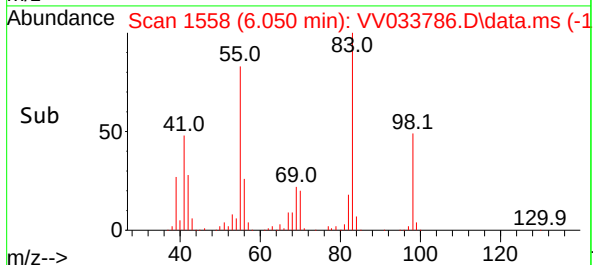
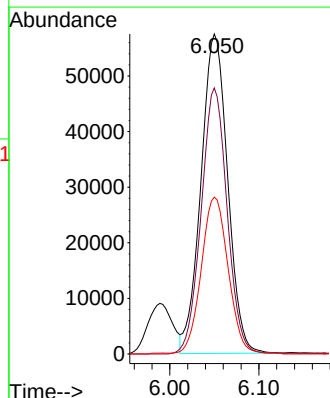
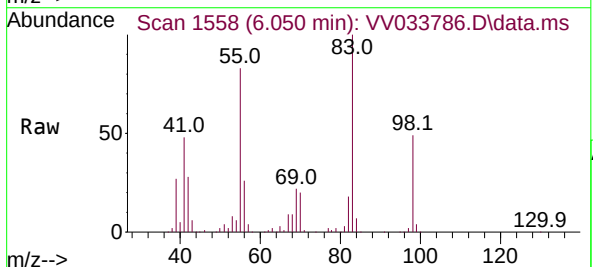
Tgt Ion: 83 Resp: 119572

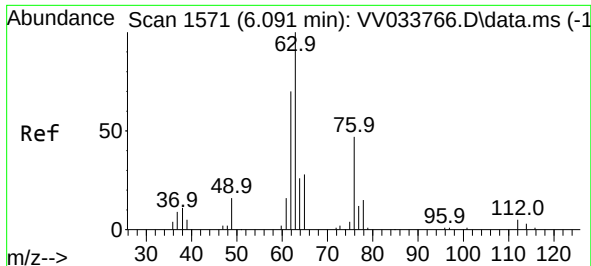
Ion Ratio Lower Upper

83 100

55 80.9 67.1 100.7

98 49.6 37.7 56.5





#37

1,2-Dichloropropane

Concen: 40.152 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

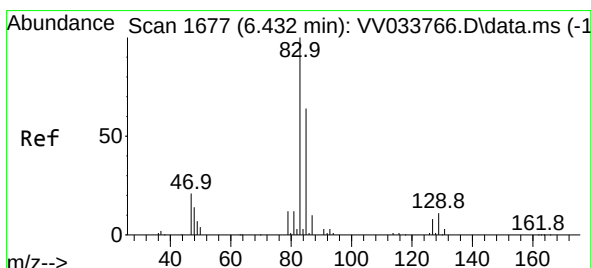
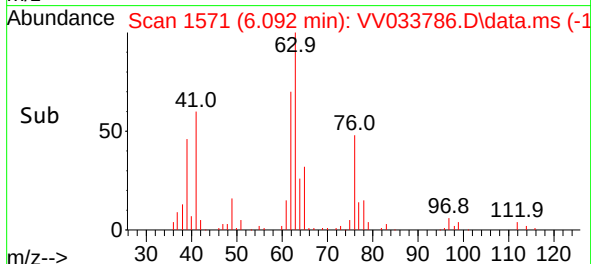
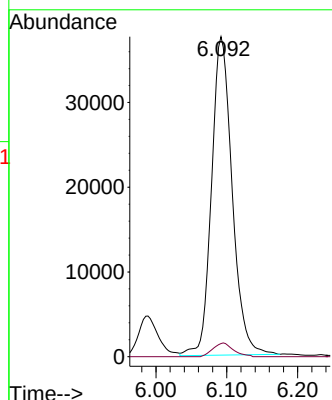
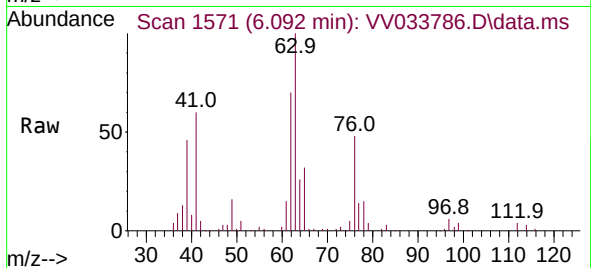
ClientSampleId :

Tgt Ion: 63 Resp: 76161

Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



#38

Bromodichloromethane

Concen: 41.400 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

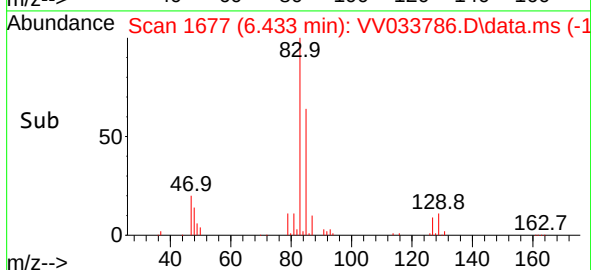
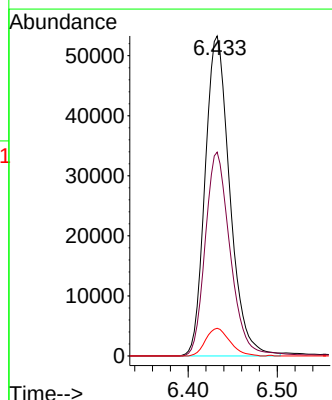
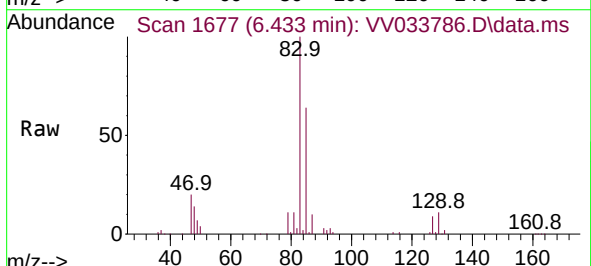
Tgt Ion: 83 Resp: 102730

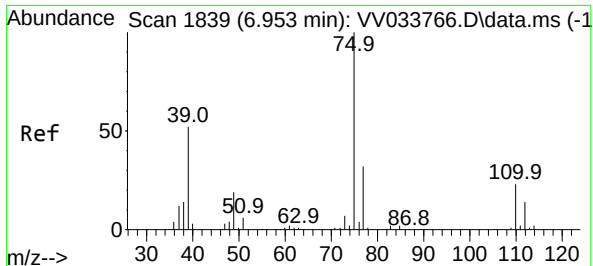
Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.7

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 39.502 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

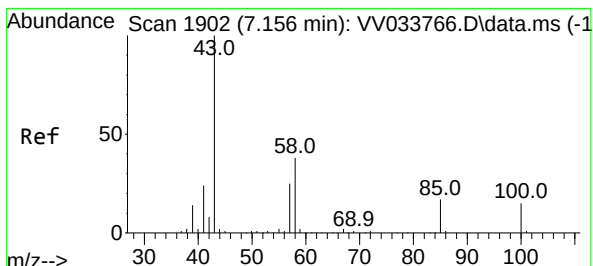
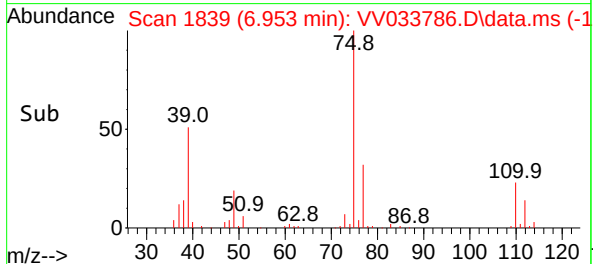
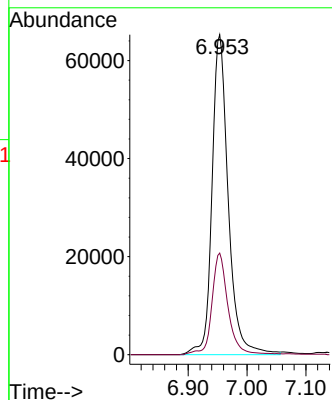
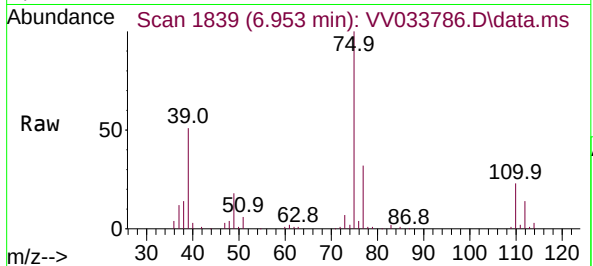
ClientSampleId :

Tgt Ion: 75 Resp: 125125

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 70.712 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

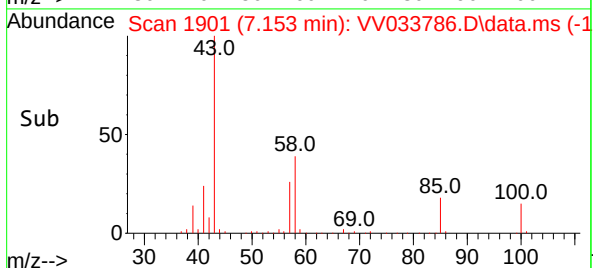
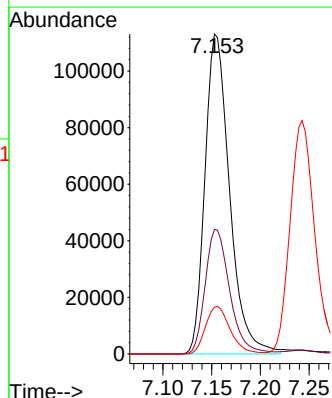
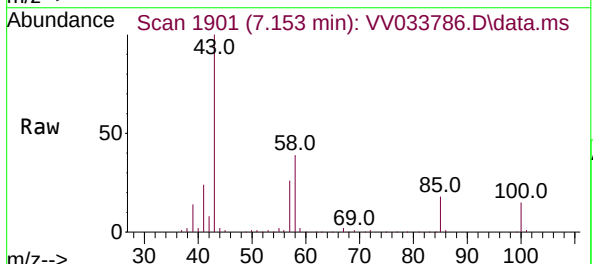
Tgt Ion: 43 Resp: 198745

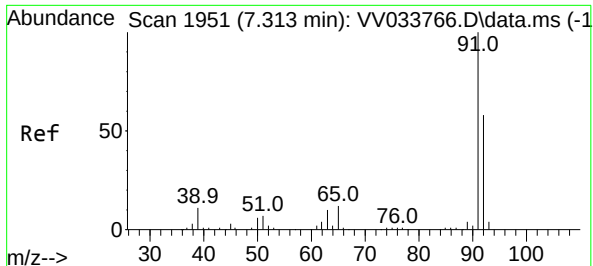
Ion Ratio Lower Upper

43 100

58 38.8 29.6 44.4

100 14.9 10.6 16.0





#42

Toluene

Concen: 41.398 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

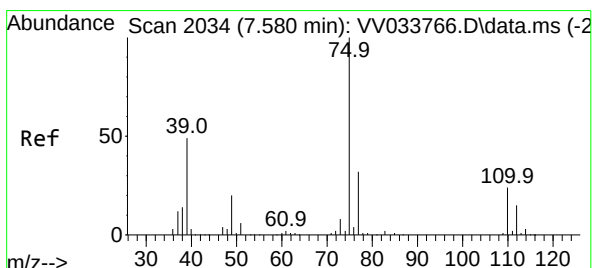
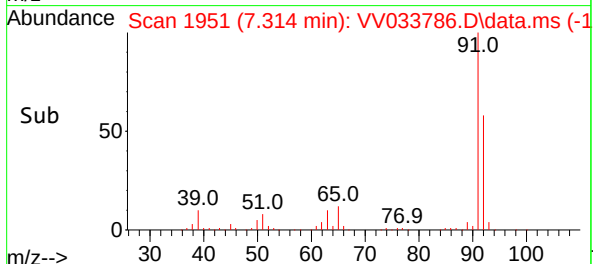
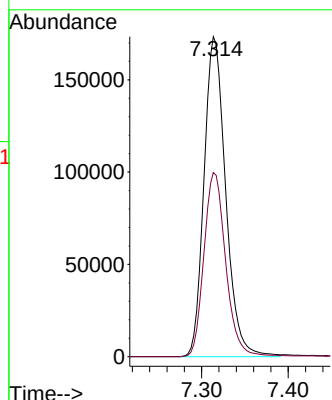
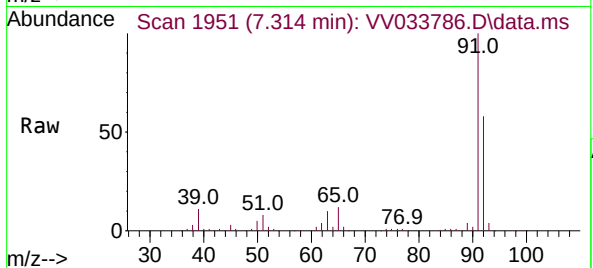
ClientSampleId :

Tgt Ion: 91 Resp: 301653

Ion Ratio Lower Upper

91 100

92 57.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 39.044 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033786.D

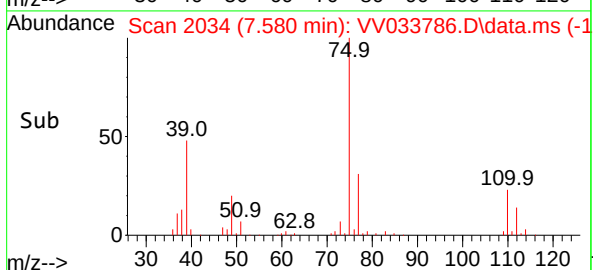
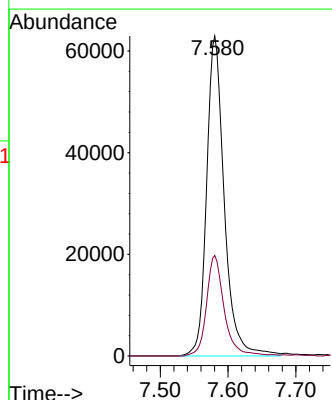
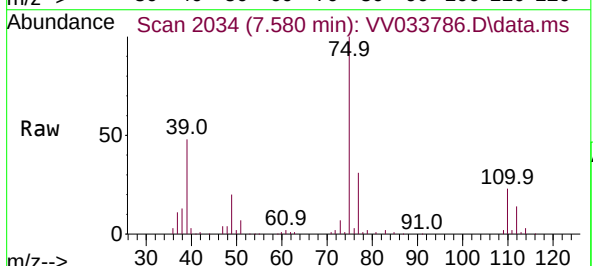
Acq: 20 Jan 2024 04:45

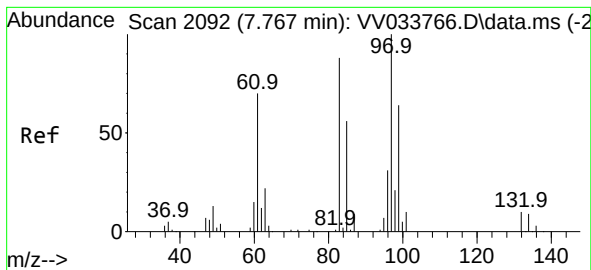
Tgt Ion: 75 Resp: 113969

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 40.924 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 70433

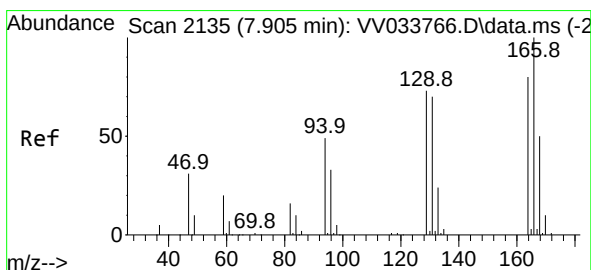
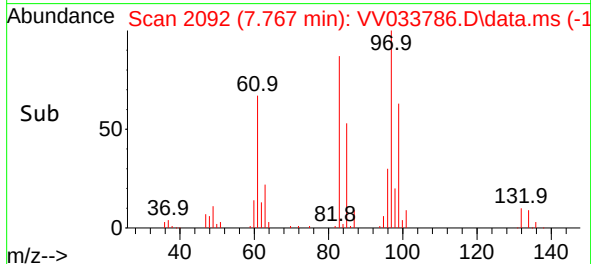
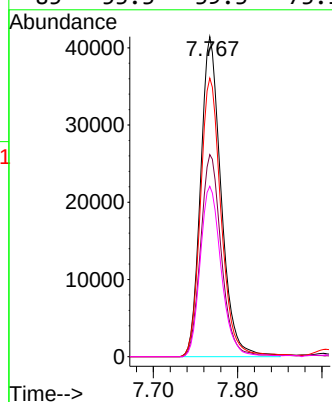
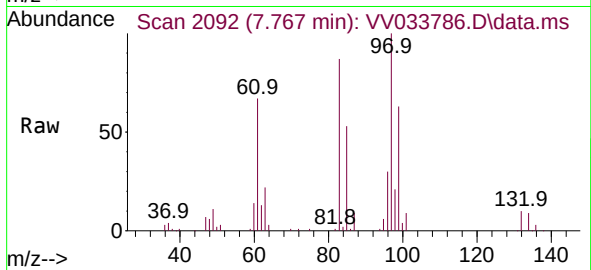
Ion Ratio Lower Upper

97 100

99 63.1 42.8 79.6

83 87.0 61.2 113.8

85 53.3 39.3 73.1



#46

Tetrachloroethene

Concen: 42.885 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Tgt Ion:164 Resp: 58162

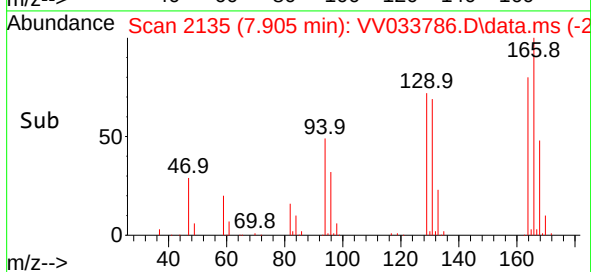
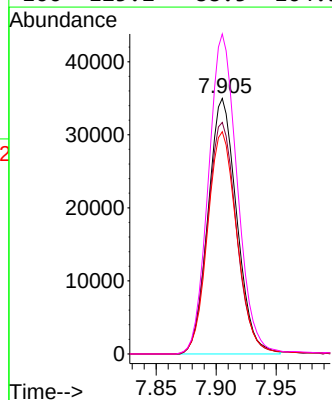
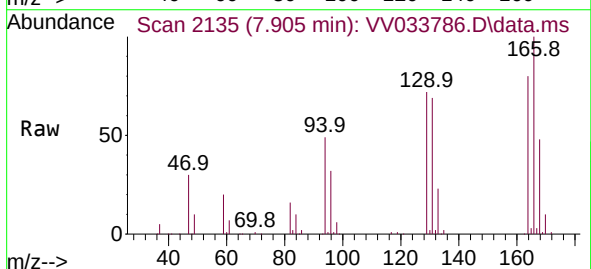
Ion Ratio Lower Upper

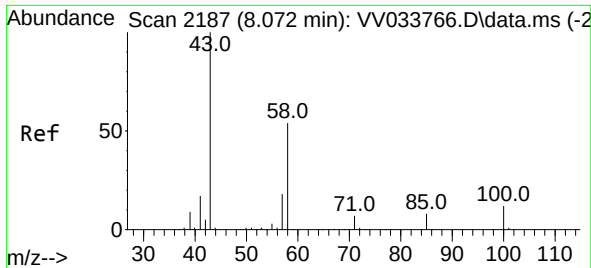
164 100

129 90.6 66.1 122.7

131 86.9 65.9 122.5

166 125.2 88.5 164.3

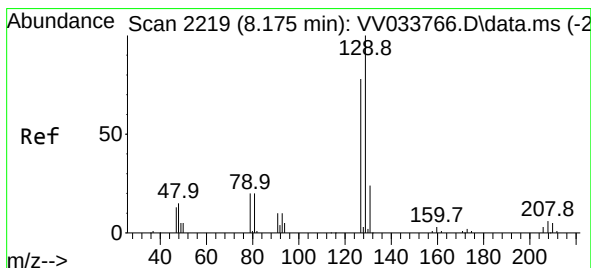
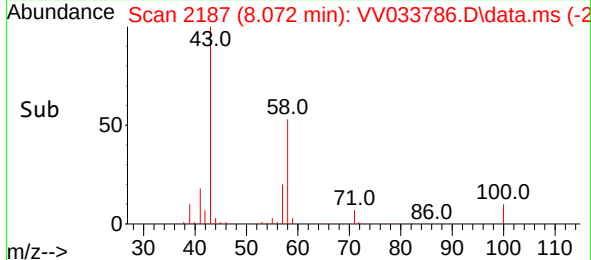
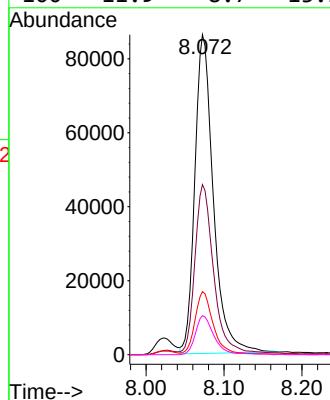
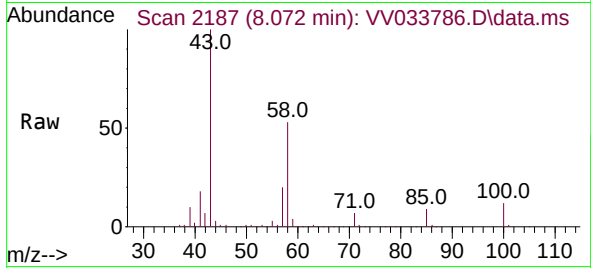




#48
2-Hexanone
Concen: 63.818 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

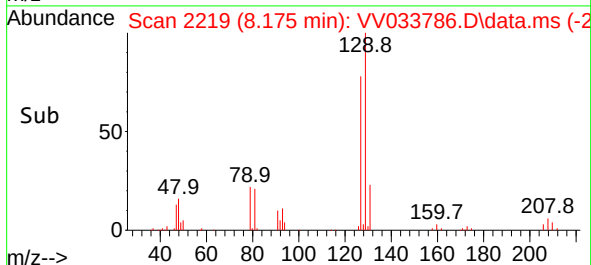
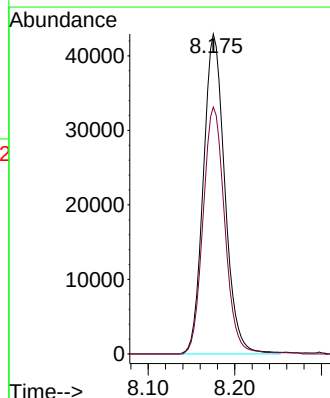
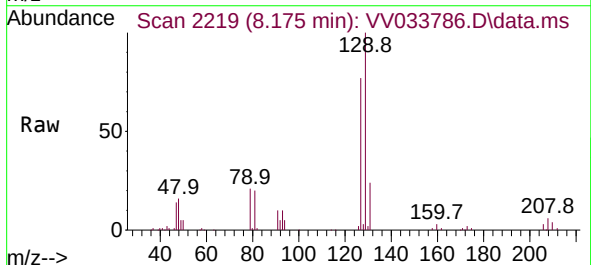
Instrument :
MSVOA_V
ClientSampleId :

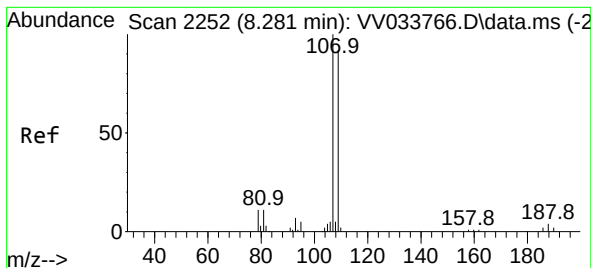
Tgt Ion: 43 Resp: 142923
Ion Ratio Lower Upper
43 100
58 53.9 42.3 63.5
57 19.2 14.2 21.2
100 11.9 8.7 13.1



#49
Dibromochloromethane
Concen: 41.218 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion: 129 Resp: 73883
Ion Ratio Lower Upper
129 100
127 77.2 54.5 101.3





#50

1,2-Dibromoethane

Concen: 40.125 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

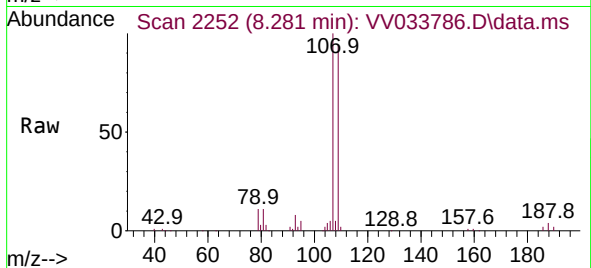
Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :



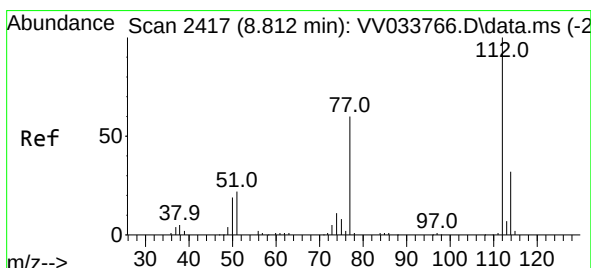
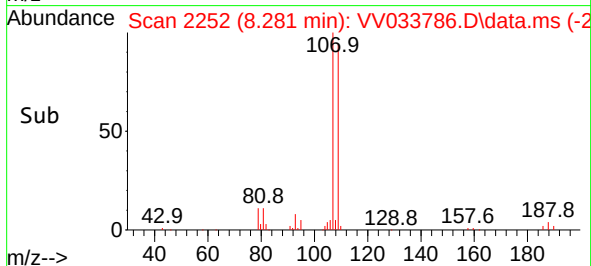
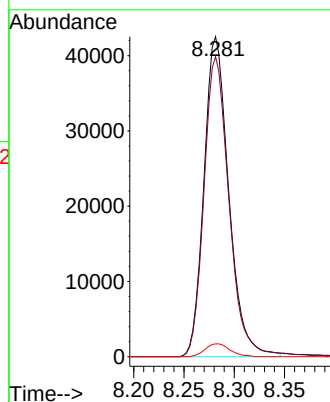
Tgt Ion:107 Resp: 72979

Ion Ratio Lower Upper

107 100

109 93.8 66.4 123.4

188 4.0 2.7 4.1



#51

Chlorobenzene

Concen: 41.498 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

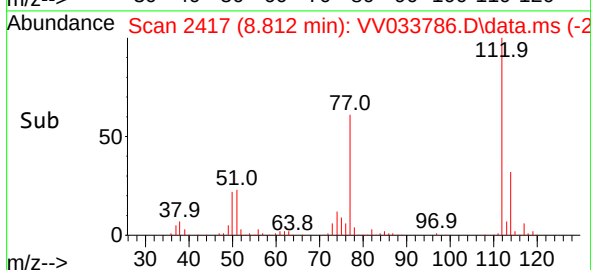
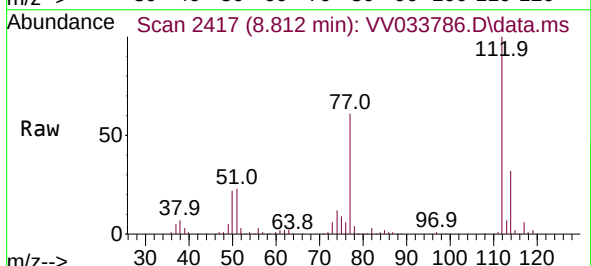
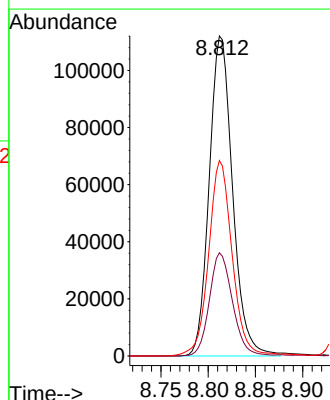
Tgt Ion:112 Resp: 192611

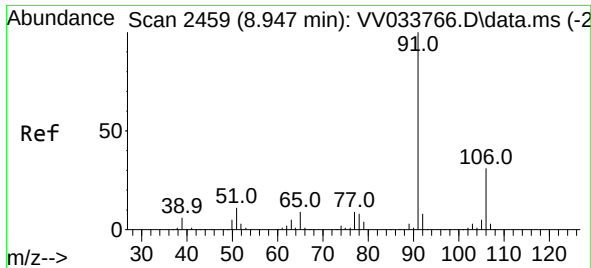
Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

77 61.0 49.4 74.0

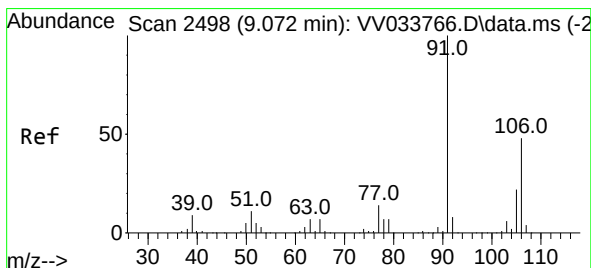
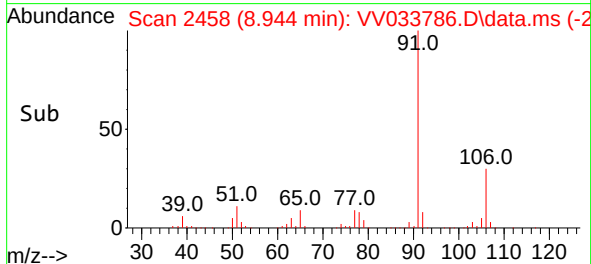
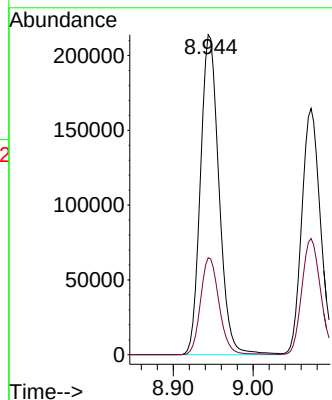
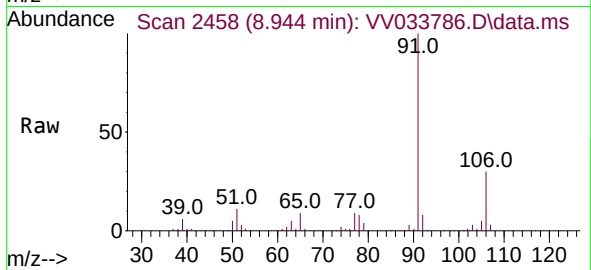




#52
Ethylbenzene
Concen: 40.941 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

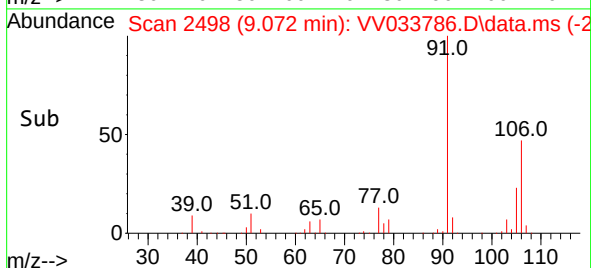
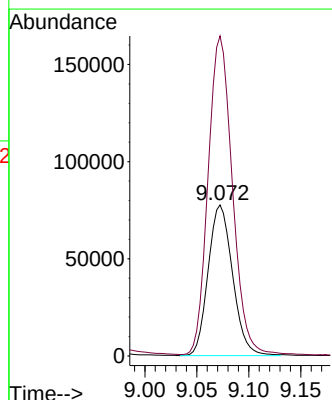
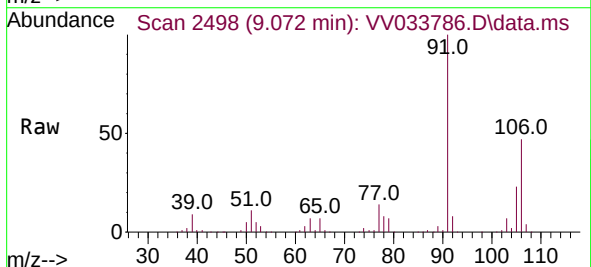
Instrument :
MSVOA_V
ClientSampleId :

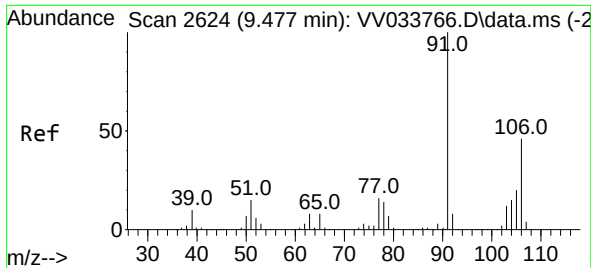
Tgt Ion: 91 Resp: 345527
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 40.626 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion: 106 Resp: 126580
Ion Ratio Lower Upper
106 100
91 211.9 146.1 271.3

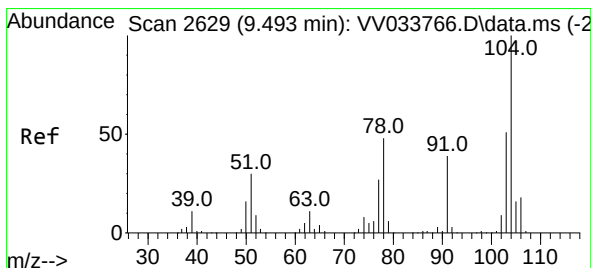
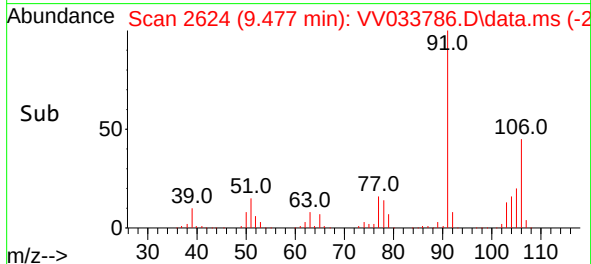
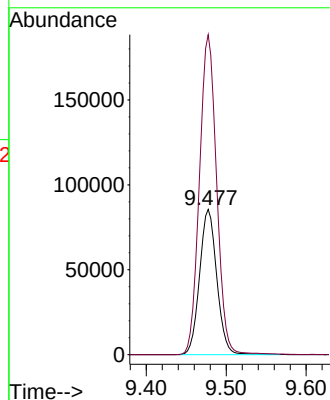
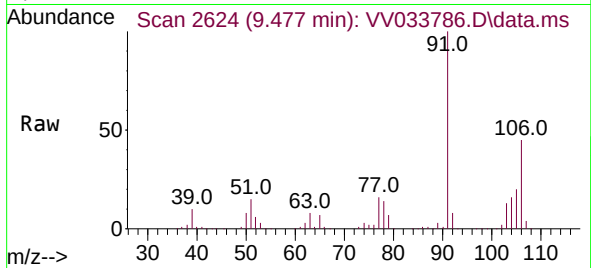




#54
o-Xylene
Concen: 41.630 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

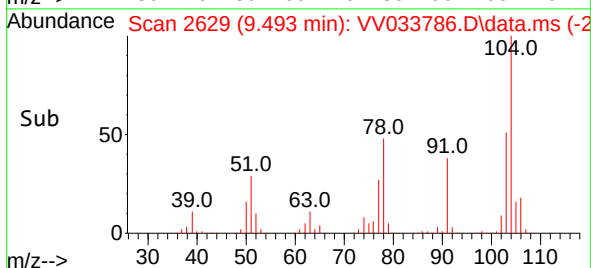
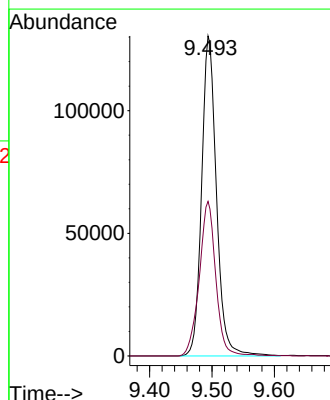
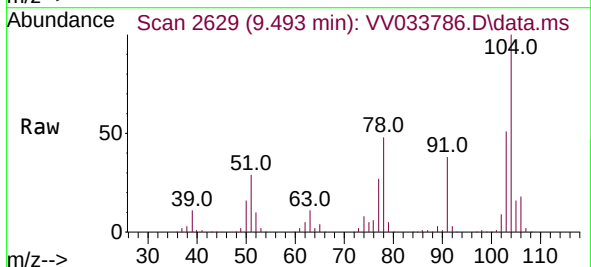
Instrument :
MSVOA_V
ClientSampleId :

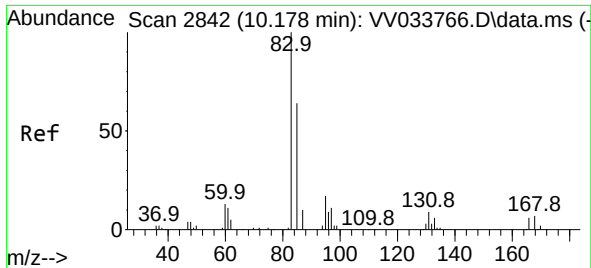
Tgt Ion:106 Resp: 128411
Ion Ratio Lower Upper
106 100
91 220.3 155.2 288.2



#55
Styrene
Concen: 40.561 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion:104 Resp: 216009
Ion Ratio Lower Upper
104 100
78 48.3 33.0 61.4



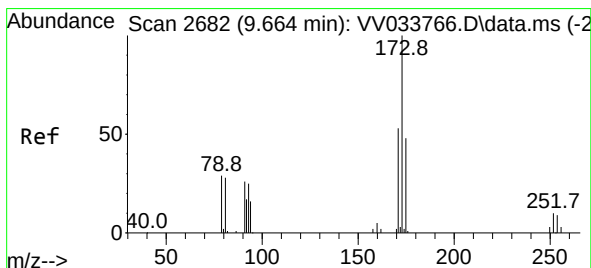
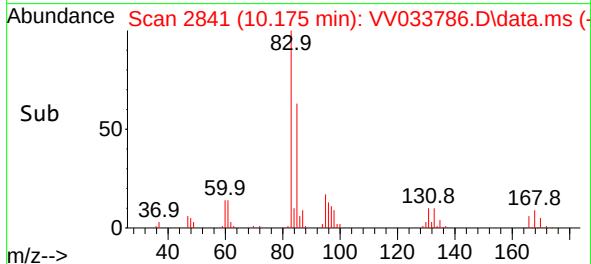
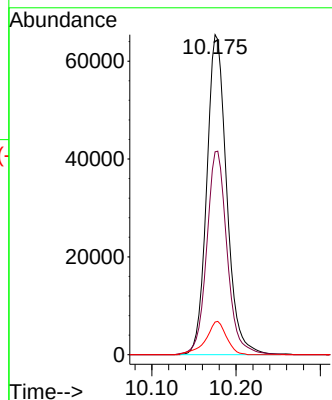
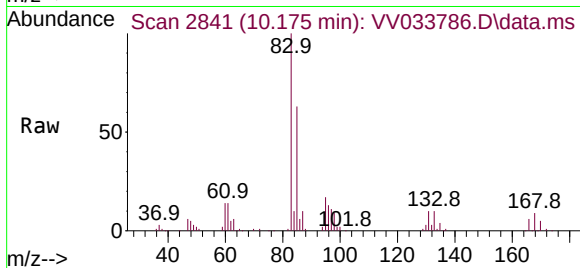


#57
 1,1,2,2-Tetrachloroethane
 Concen: 39.324 ug/L
 RT: 10.175 min Scan# 2841
 Delta R.T. -0.003 min
 Lab File: VV033786.D
 Acq: 20 Jan 2024 04:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 83 Resp: 107707

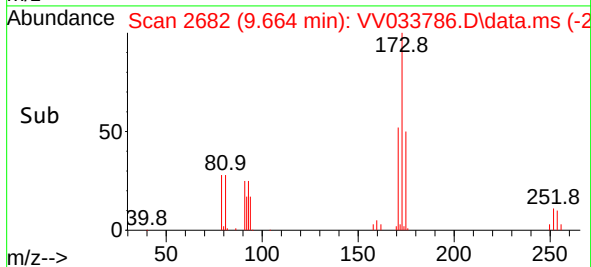
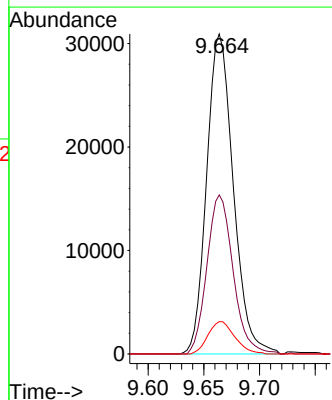
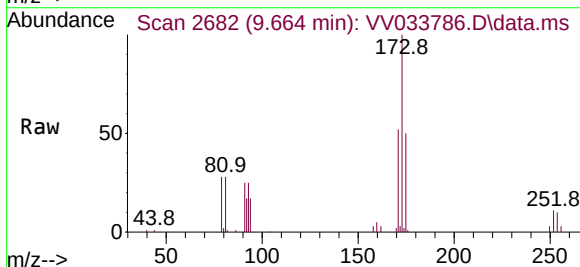
Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.9	83.5
131	10.2	7.5	11.3

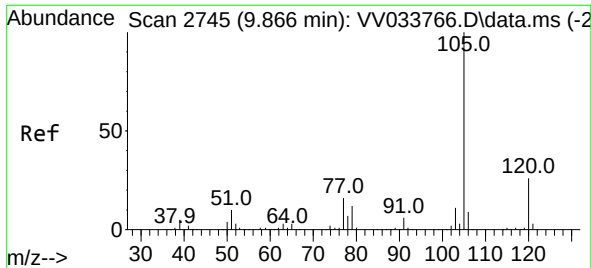


#59
 Bromoform
 Concen: 40.188 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. 0.000 min
 Lab File: VV033786.D
 Acq: 20 Jan 2024 04:45

Tgt Ion: 173 Resp: 51477

Ion	Ratio	Lower	Upper
173	100		
175	48.7	37.2	55.8
254	10.2	7.4	11.0

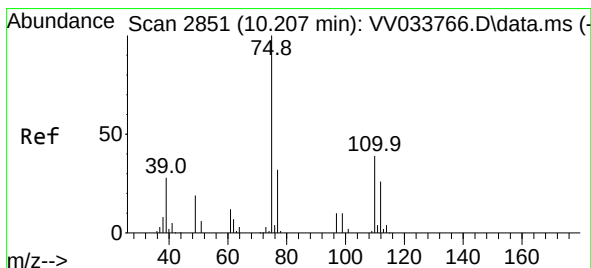
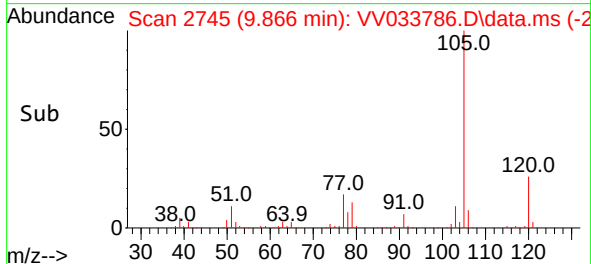
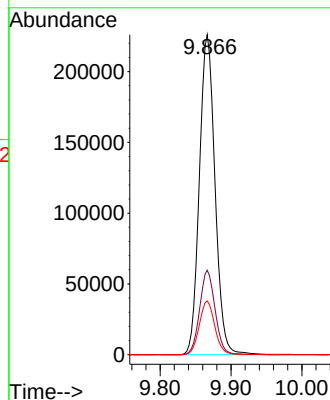
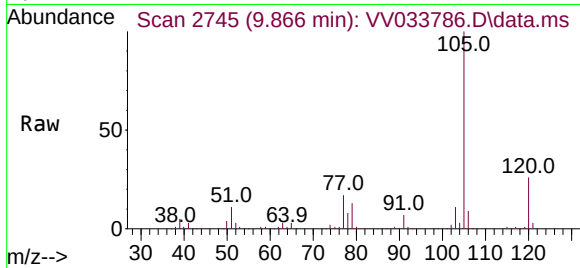




#60
Isopropylbenzene
Concen: 42.517 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

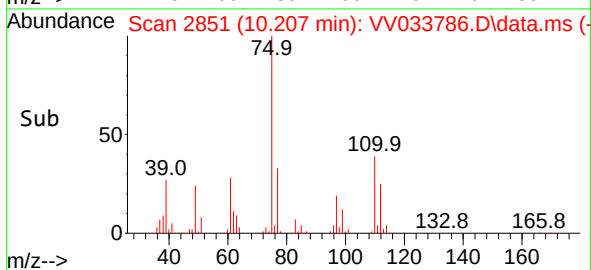
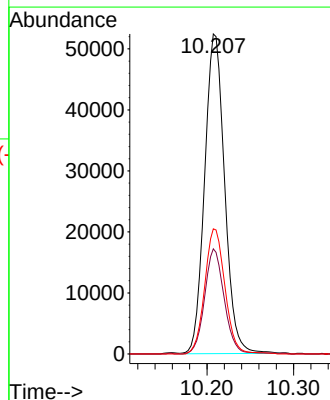
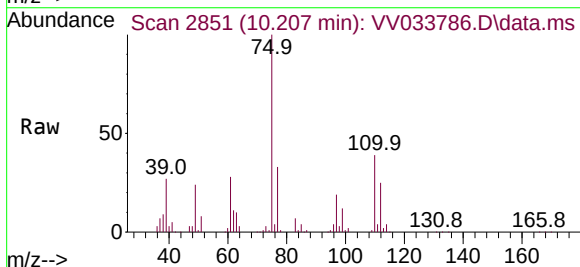
Instrument :
MSVOA_V
ClientSampleId :

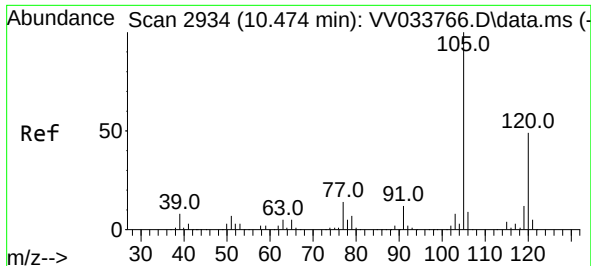
Tgt Ion:105 Resp: 346691
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.6 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 39.335 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion: 75 Resp: 84133
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
110 39.6 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 41.985 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

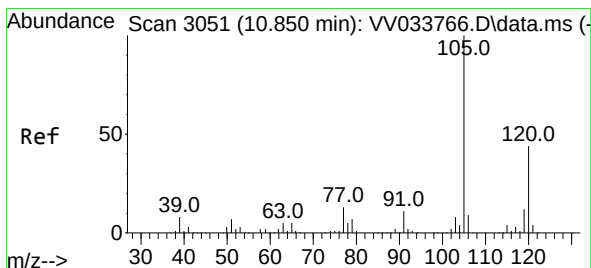
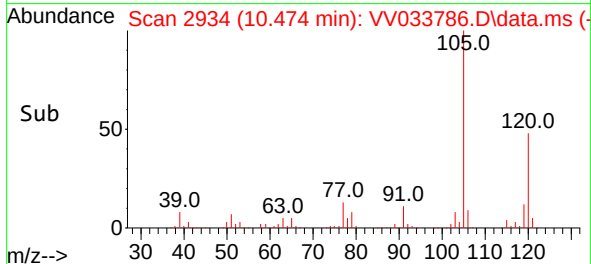
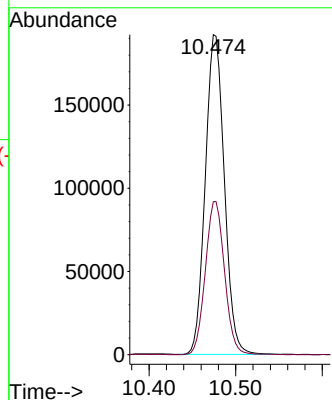
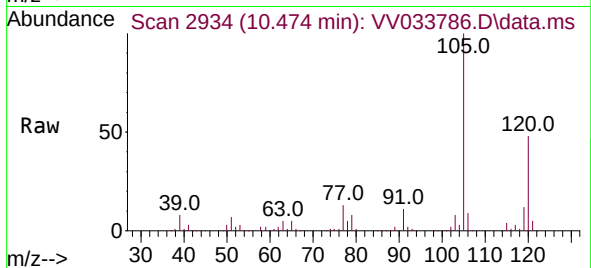
ClientSampleId :

Tgt Ion:105 Resp: 293739

Ion Ratio Lower Upper

105 100

120 48.3 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 42.039 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033786.D

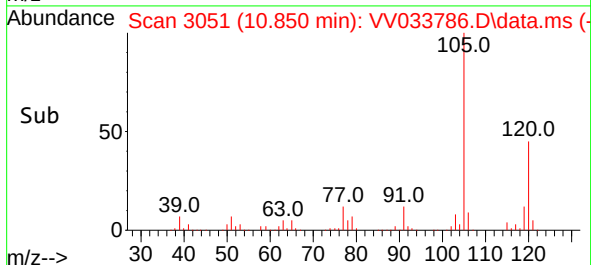
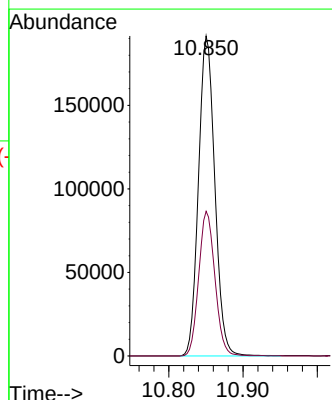
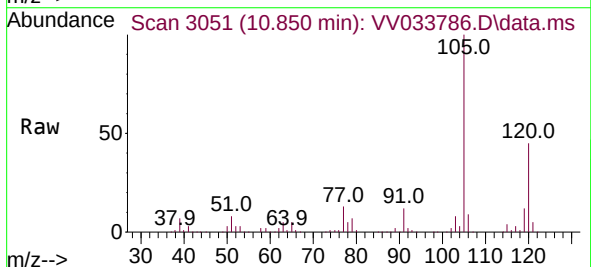
Acq: 20 Jan 2024 04:45

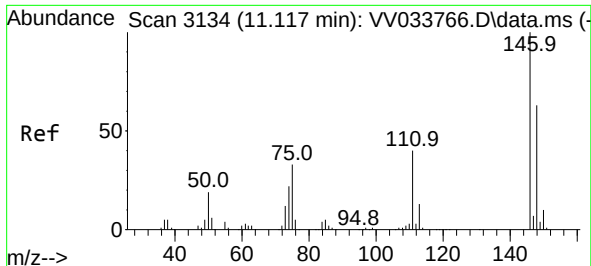
Tgt Ion:105 Resp: 293055

Ion Ratio Lower Upper

105 100

120 44.8 35.4 53.0

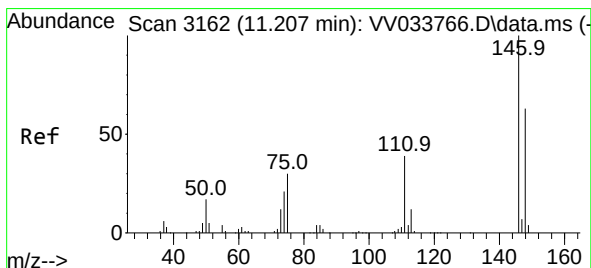
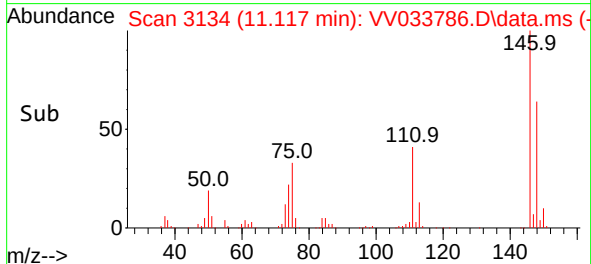
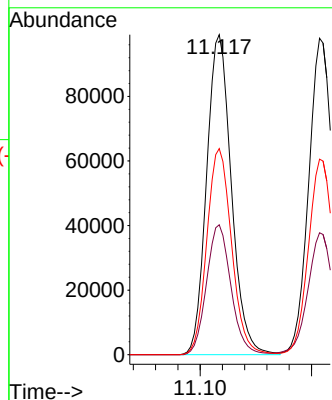
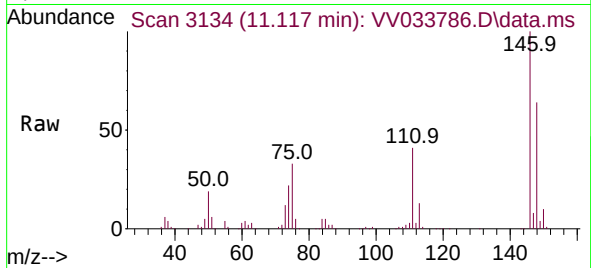




#64
1,3-Dichlorobenzene
Concen: 41.545 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

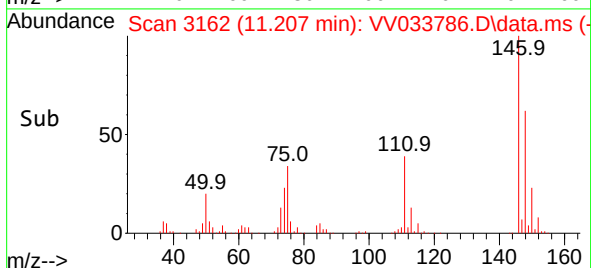
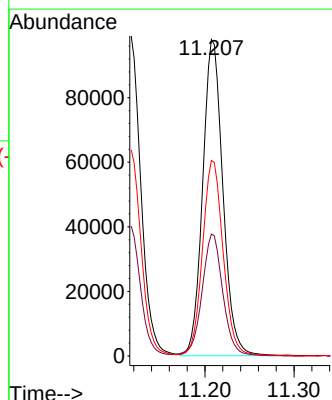
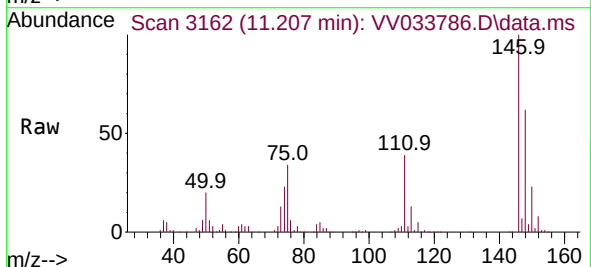
Instrument :
MSVOA_V
ClientSampleId :

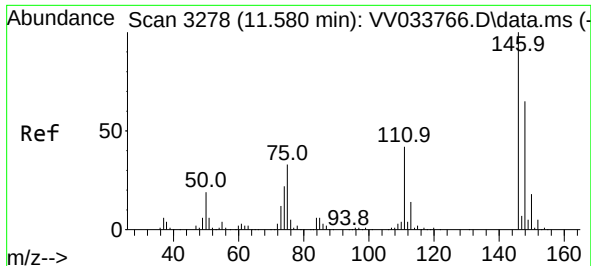
Tgt Ion:146 Resp: 153021
Ion Ratio Lower Upper
146 100
111 40.6 29.0 53.8
148 64.4 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 41.787 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion:146 Resp: 154324
Ion Ratio Lower Upper
146 100
111 38.5 27.7 51.5
148 61.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 42.687 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :

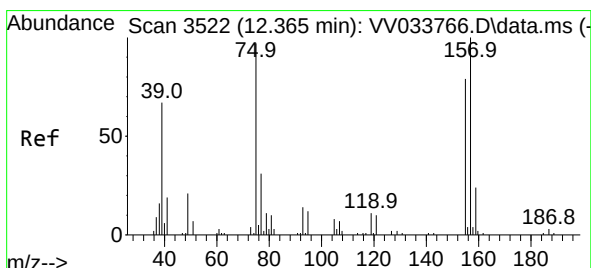
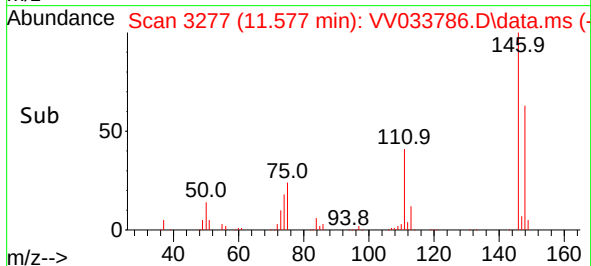
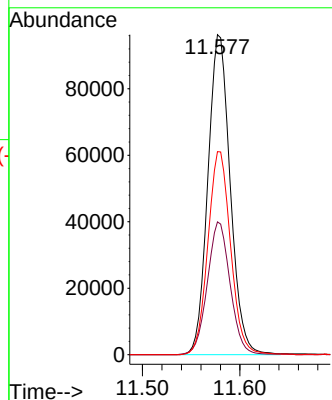
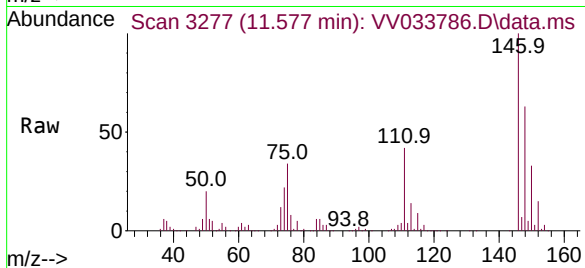
Tgt Ion:146 Resp: 153625

Ion Ratio Lower Upper

146 100

111 41.5 35.4 53.0

148 63.5 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 36.250 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

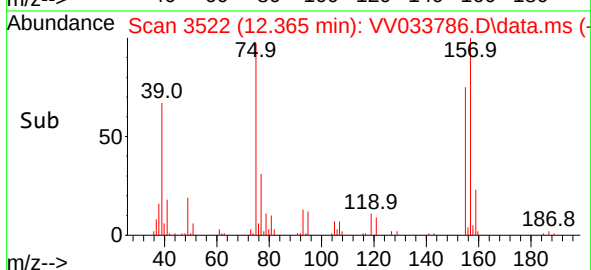
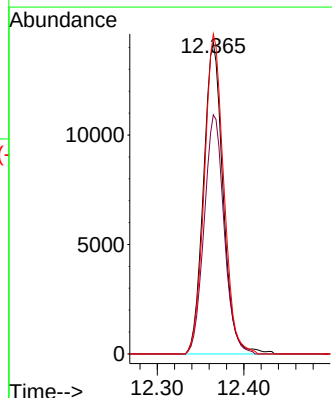
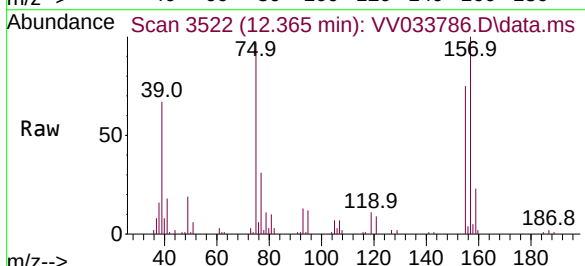
Tgt Ion: 75 Resp: 22374

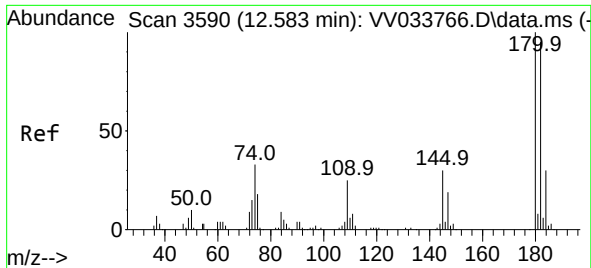
Ion Ratio Lower Upper

75 100

155 76.9 61.6 92.4

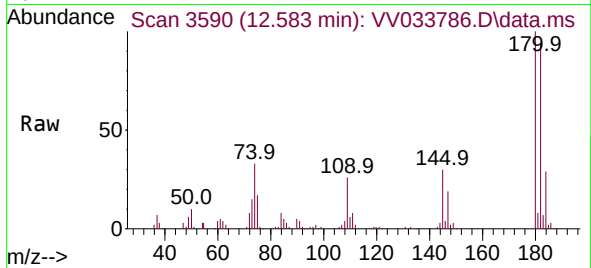
157 102.8 79.2 118.8



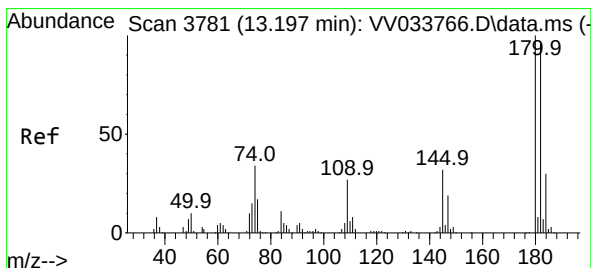
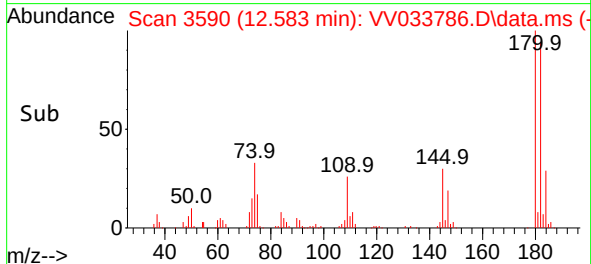
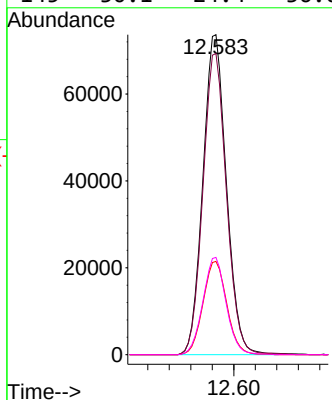


#69
1,3,5-Trichlorobenzene
Concen: 41.025 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Instrument :
MSVOA_V
ClientSampleId :

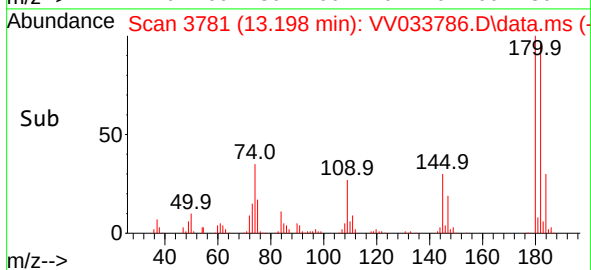
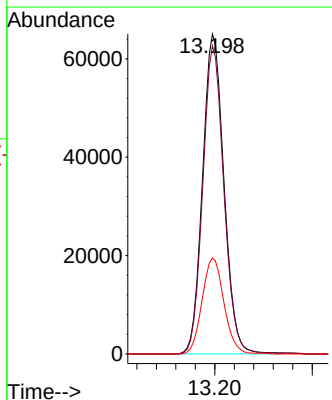
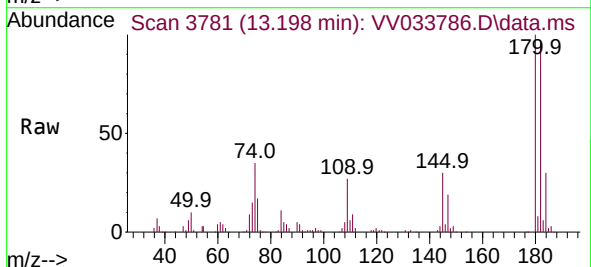


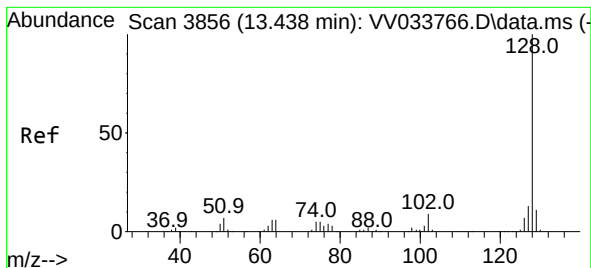
Tgt Ion:180 Resp: 111660
Ion Ratio Lower Upper
180 100
182 94.2 76.2 114.2
184 29.5 23.9 35.9
145 30.1 24.4 36.6



#70
1,2,4-trichlorobenzene
Concen: 40.218 ug/L
RT: 13.198 min Scan# 3781
Delta R.T. 0.000 min
Lab File: VV033786.D
Acq: 20 Jan 2024 04:45

Tgt Ion:180 Resp: 99354
Ion Ratio Lower Upper
180 100
182 94.6 76.3 114.5
145 30.5 25.4 38.0





#71

Naphthalene

Concen: 35.236 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Instrument :

MSVOA_V

ClientSampleId :

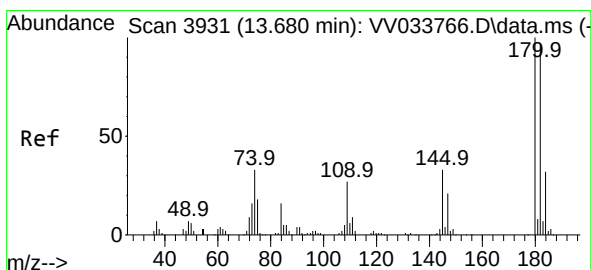
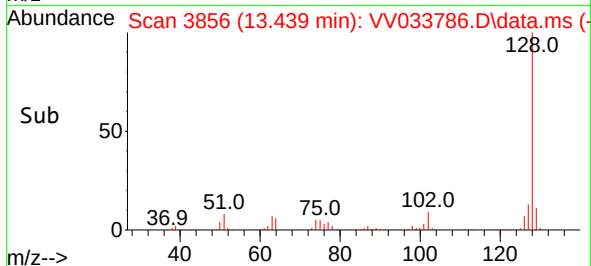
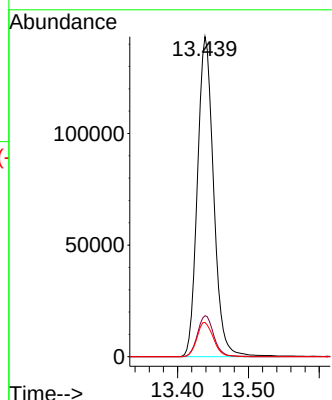
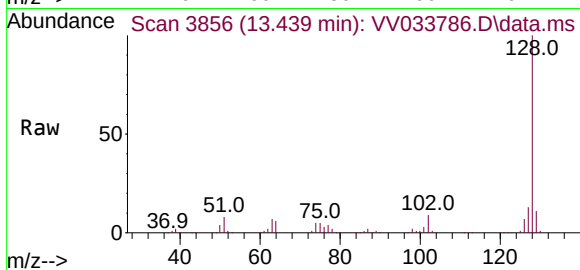
Tgt Ion:128 Resp: 227460

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 41.194 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033786.D

Acq: 20 Jan 2024 04:45

Tgt Ion:180 Resp: 94985

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 32.5 26.3 39.5

