

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041124\
 Data File : VV035142.D
 Acq On : 11 Apr 2024 22:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 12 01:24:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 12 01:20:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	183030	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	186172	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	96325	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	60809	4.031	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.532	69	59563	4.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.060	65	28721	4.192	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	3.818	46	102177	43.293	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.580%
24) Chloroform-d	4.249	84	130129	5.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	4.944	65	60507	5.490	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.800%
32) Benzene-d6	4.960	84	240876	4.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	5.989	67	74963	5.245	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.243	98	221498	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
43) trans-1,3-Dichloroprop...	7.558	79	23112	4.552	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.027	63	121132	69.509	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.020%#
56) 1,1,2,2-Tetrachloroeth...	10.153	84	60425	6.059	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.200%#
66) 1,2-Dichlorobenzene-d4	11.561	152	75596	4.982	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	59244	4.206	ug/L	100
3) Chloromethane	1.217	50	77062	4.510	ug/L	98
5) Vinyl chloride	1.282	62	82694	4.526	ug/L	99
6) Bromomethane	1.490	94	40256	3.859	ug/L	100
8) Chloroethane	1.552	64	55739	4.745	ug/L	99
9) Trichlorofluoromethane	1.716	101	113217	4.661	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	67327	4.525	ug/L	99
12) 1,1-Dichloroethene	2.069	96	64298	4.627	ug/L	97
13) Acetone	2.137	43	66835	38.820	ug/L	75
14) Carbon disulfide	2.240	76	177640	4.291	ug/L	99
15) Methyl Acetate	2.388	43	21205	4.462	ug/L	94
16) Methylene chloride	2.449	84	75221	4.934	ug/L	94
17) Methyl tert-butyl Ether	2.706	73	157508	5.264	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	65376	4.746	ug/L	94
19) 1,1-Dichloroethane	3.111	63	142072	5.228	ug/L	99
21) 2-Butanone	3.902	43	115756	41.950	ug/L #	82
22) cis-1,2-Dichloroethene	3.815	96	71754	4.974	ug/L	97
23) Bromochloromethane	4.153	128	31590	5.216	ug/L	97
25) Chloroform	4.275	83	141043	5.226	ug/L	99

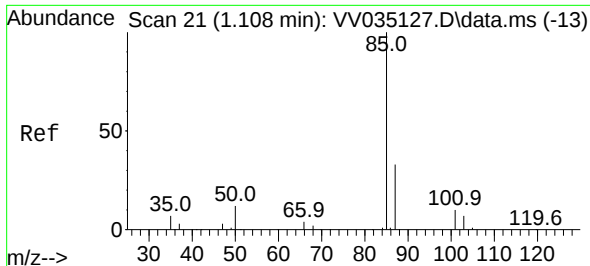
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041124\
 Data File : VV035142.D
 Acq On : 11 Apr 2024 22:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 12 01:24:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 12 01:20:53 2024
 Response via : Initial Calibration

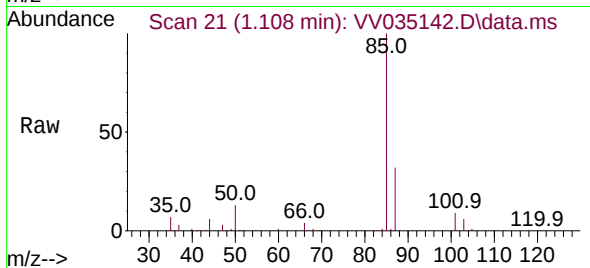
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	79760	5.252	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	114479	5.017	ug/L	98
30) Cyclohexane	4.580	56	96311	4.582	ug/L	99
31) Carbon tetrachloride	4.735	117	96752	4.955	ug/L	99
33) Benzene	5.008	78	290389	5.095	ug/L	100
34) Trichloroethene	5.834	95	72364	4.873	ug/L	98
35) Methylcyclohexane	6.050	83	99189	4.385	ug/L	98
37) 1,2-Dichloropropane	6.092	63	77148	5.220	ug/L	100
38) Bromodichloromethane	6.432	83	96264	5.163	ug/L	97
39) cis-1,3-Dichloropropene	6.957	75	93185	4.694	ug/L	95
40) 4-Methyl-2-pentanone	7.159	43	396019	59.391	ug/L	99
42) Toluene	7.313	91	306710	5.119	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	81952	4.980	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	54471	5.610	ug/L	97
47) Tetrachloroethene	7.905	164	56048	5.023	ug/L	96
48) 2-Hexanone	8.079	43	290126	57.636	ug/L	97
49) Dibromochloromethane	8.175	129	59189	5.179	ug/L	100
50) 1,2-Dibromoethane	8.281	107	49981	5.467	ug/L	95
51) Chlorobenzene	8.812	112	193178	4.991	ug/L	99
52) Ethylbenzene	8.947	91	315424	4.874	ug/L	100
53) m,p-Xylene	9.072	106	115115	4.844	ug/L	99
54) o-Xylene	9.477	106	113661	4.875	ug/L	96
55) Styrene	9.497	104	196941	5.254	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	67142	5.785	ug/L	98
59) Bromoform	9.664	173	29747	4.968	ug/L	95
60) Isopropylbenzene	9.866	105	289567	4.810	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	49226	5.474	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	225638	4.562	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	238526	4.754	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	152907	4.976	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	148986	4.841	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	143199	5.045	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	10039	5.431	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	108822	4.717	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	87592	4.888	ug/L	99
71) Naphthalene	13.439	128	116610	4.630	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	82718	5.248	ug/L	98

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

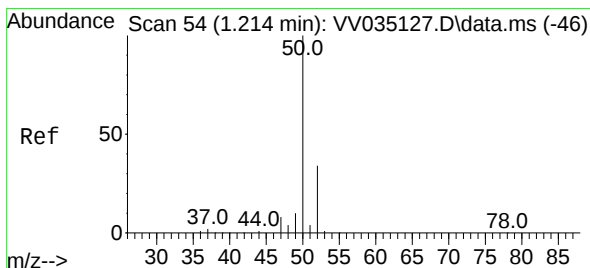
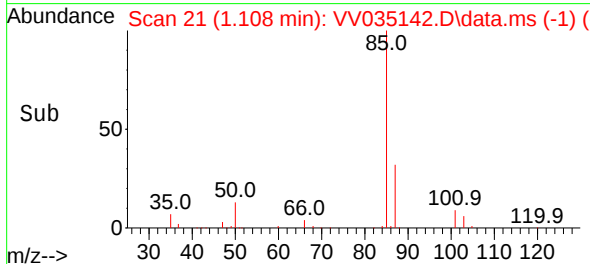
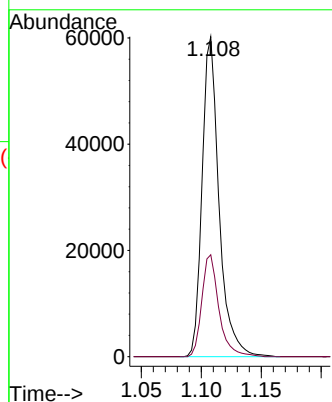


#2
 Dichlorodifluoromethane
 Concen: 4.206 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV035142.D
 Acq: 11 Apr 2024 22:30

Instrument :
 MSVOA_V
 ClientSampleId :

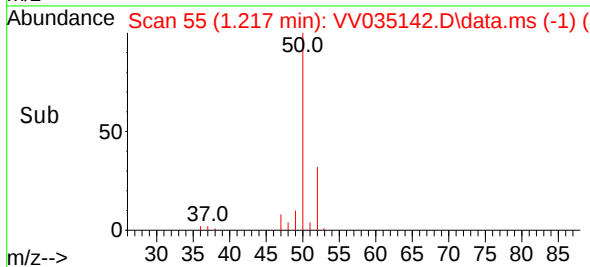
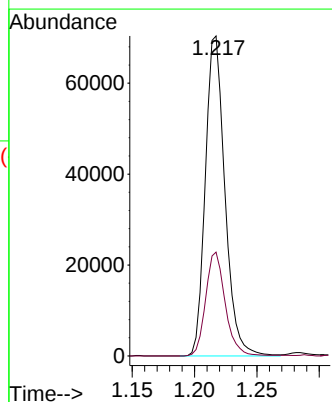
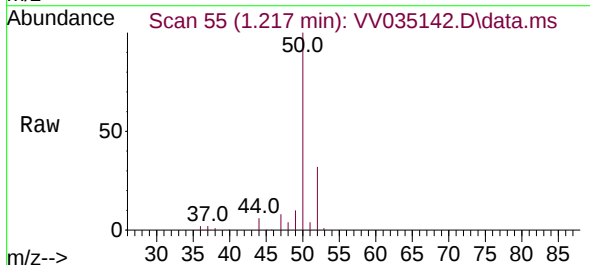


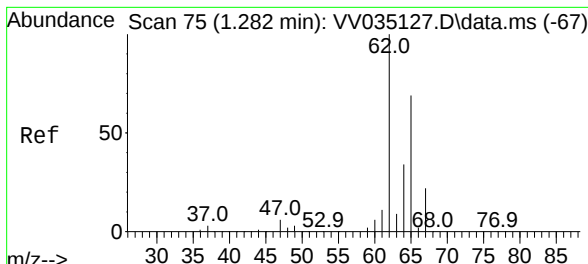
Tgt Ion: 85 Resp: 59244
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.7 38.5



#3
 Chloromethane
 Concen: 4.510 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV035142.D
 Acq: 11 Apr 2024 22:30

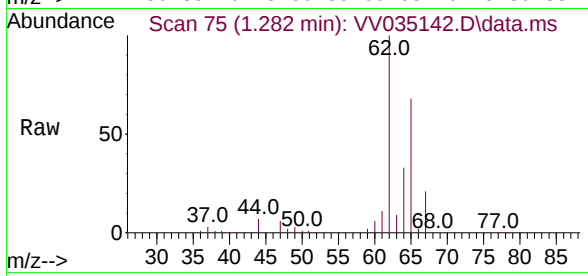
Tgt Ion: 50 Resp: 77062
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.4 43.4



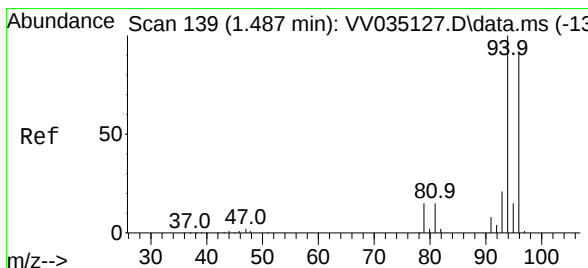
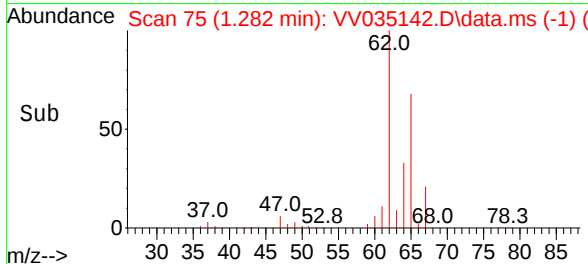
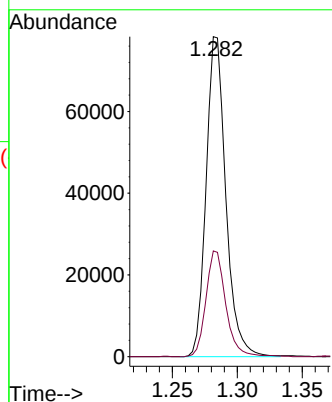


#5
 Vinyl chloride
 Concen: 4.526 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV035142.D
 Acq: 11 Apr 2024 22:30

Instrument :
 MSVOA_V
 ClientSampleId :

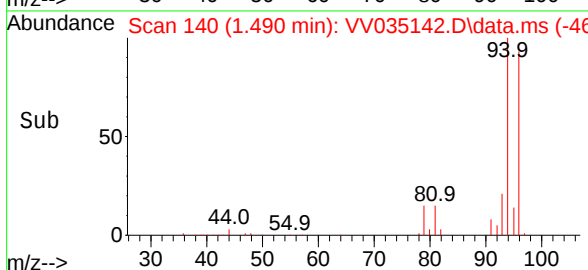
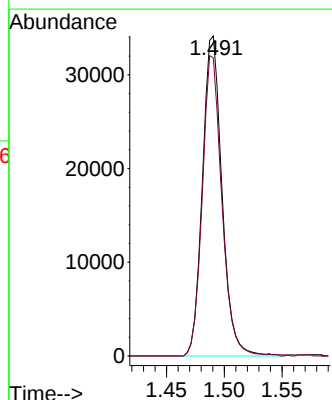
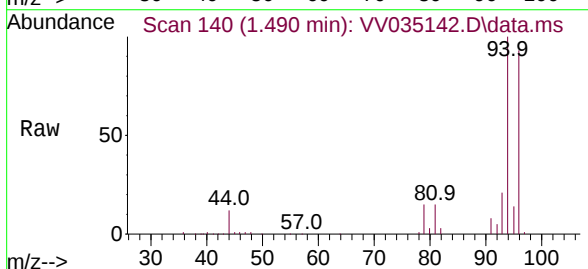


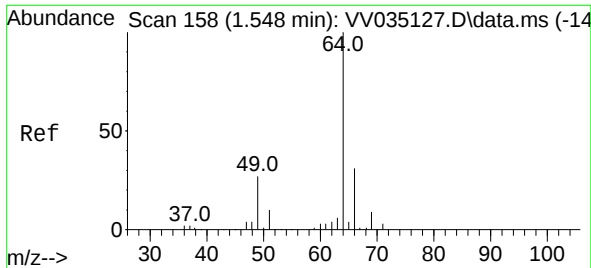
Tgt Ion: 62 Resp: 82694
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.9 42.5



#6
 Bromomethane
 Concen: 3.859 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV035142.D
 Acq: 11 Apr 2024 22:30

Tgt Ion: 94 Resp: 40256
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.4 121.4

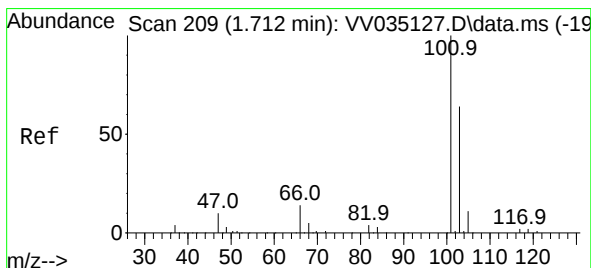
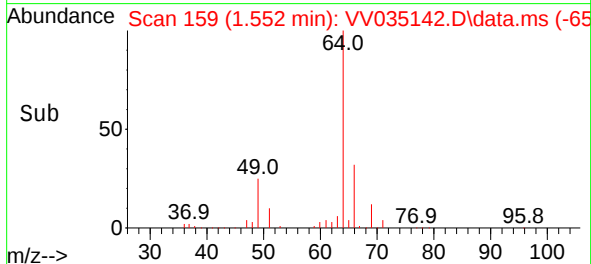
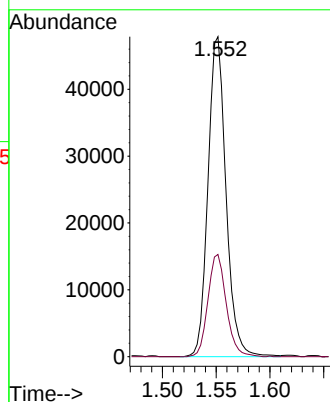
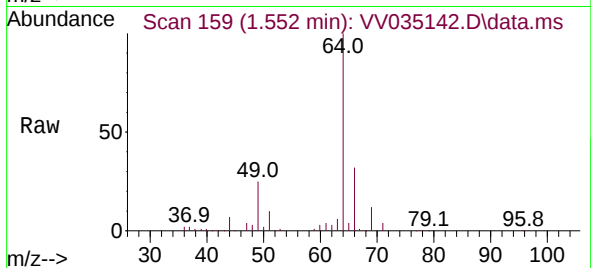




#8
Chloroethane
Concen: 4.745 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

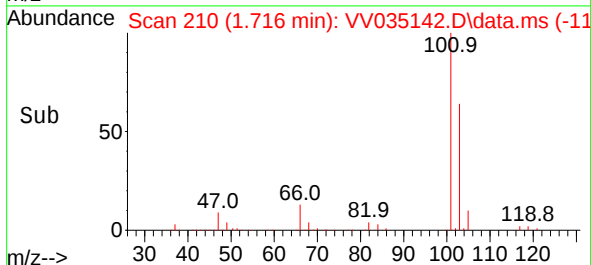
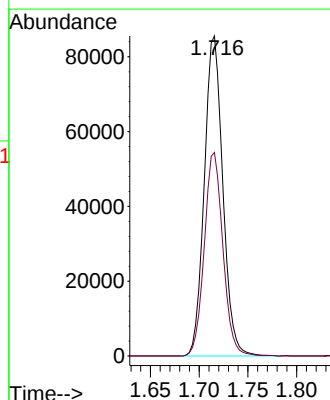
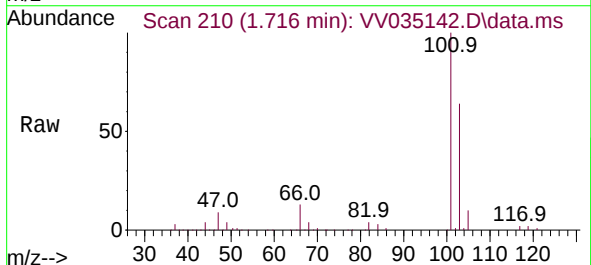
Instrument :
MSVOA_V
ClientSampleId :

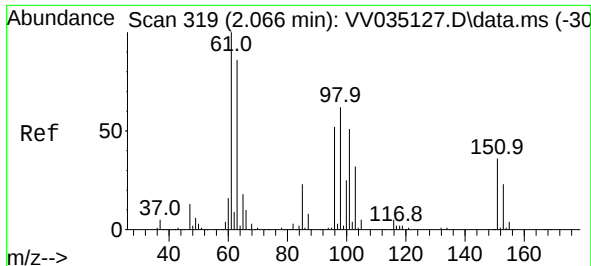
Tgt Ion: 64 Resp: 55739
Ion Ratio Lower Upper
64 100
66 31.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.661 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

Tgt Ion:101 Resp: 113217
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9





#10

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

Concen: 4.525 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

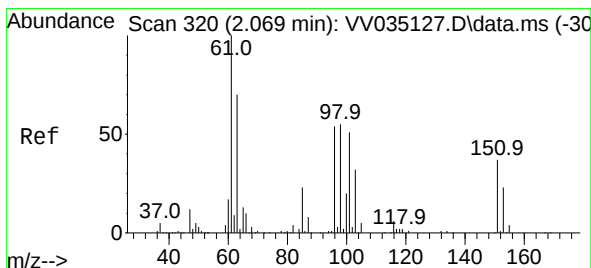
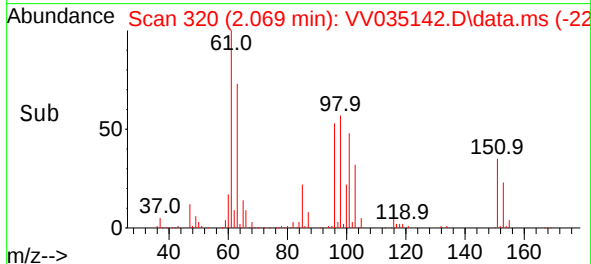
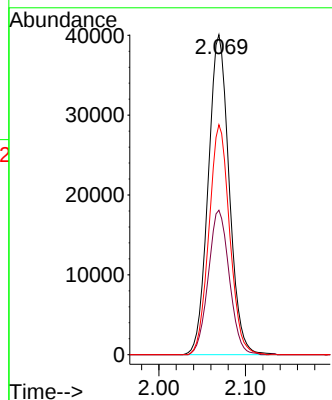
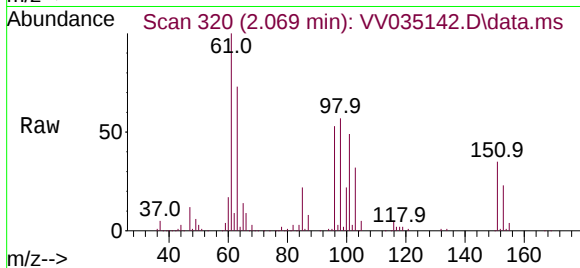
Tgt Ion:101 Resp: 67327

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.4

151 71.0 56.0 84.0



#12

1,1-Dichloroethene

Concen: 4.627 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

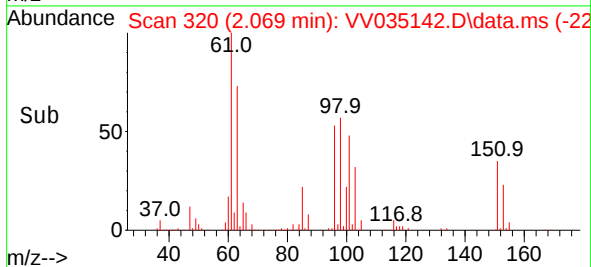
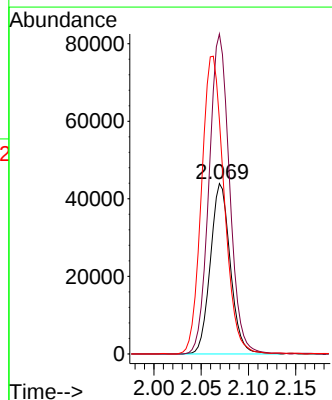
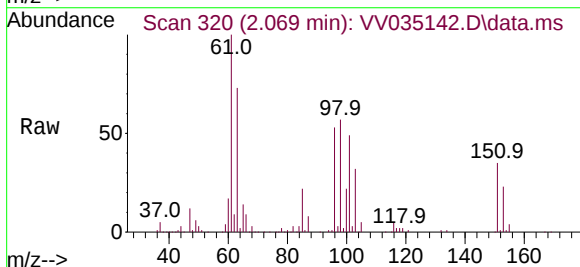
Tgt Ion: 96 Resp: 64298

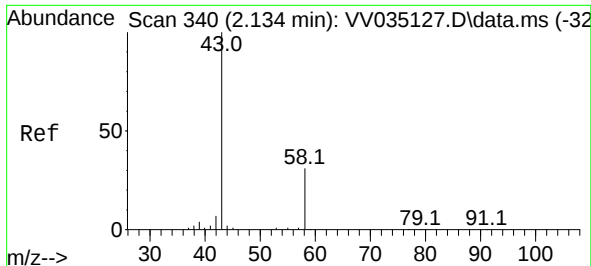
Ion Ratio Lower Upper

96 100

61 187.8 128.1 237.9

63 137.4 93.5 173.7





#13

Acetone

Concen: 38.820 ug/L

RT: 2.137 min Scan# 340

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

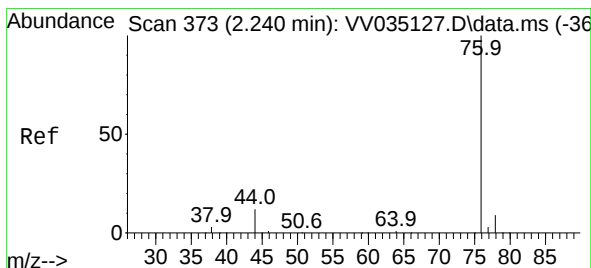
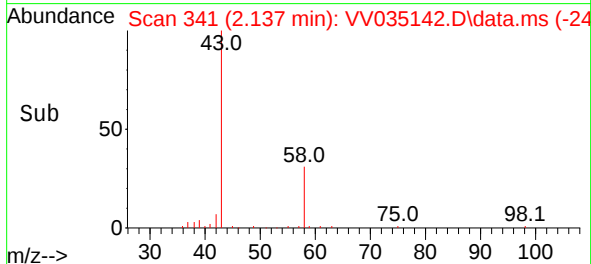
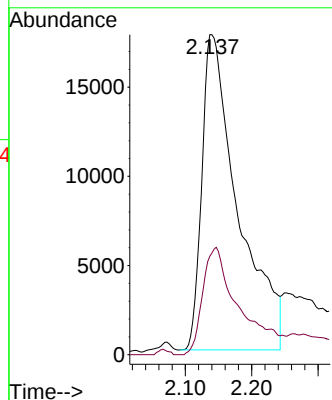
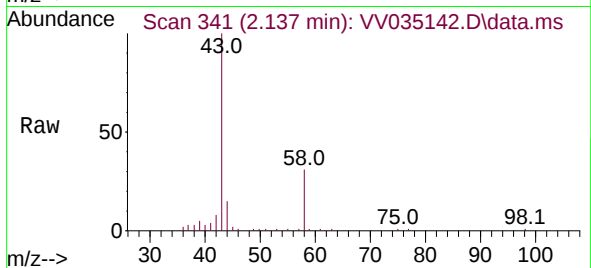
ClientSampleId :

Tgt Ion: 43 Resp: 66835

Ion Ratio Lower Upper

43 100

58 32.1 0.0 40.8



#14

Carbon disulfide

Concen: 4.291 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV035142.D

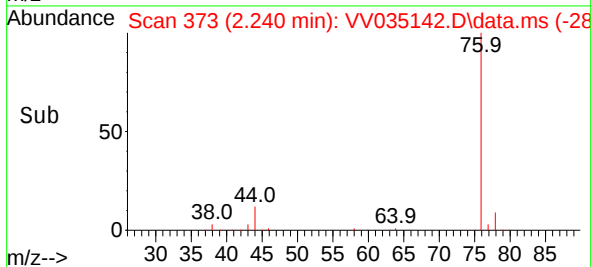
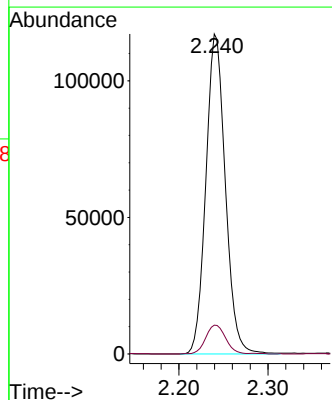
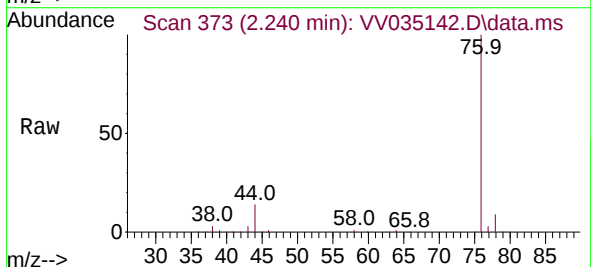
Acq: 11 Apr 2024 22:30

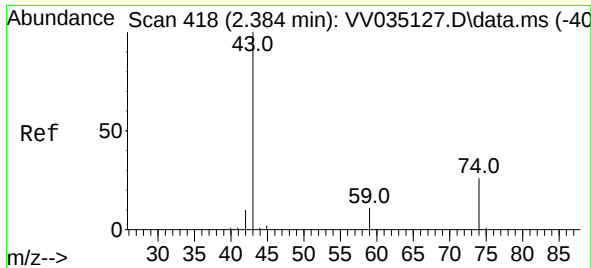
Tgt Ion: 76 Resp: 177640

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

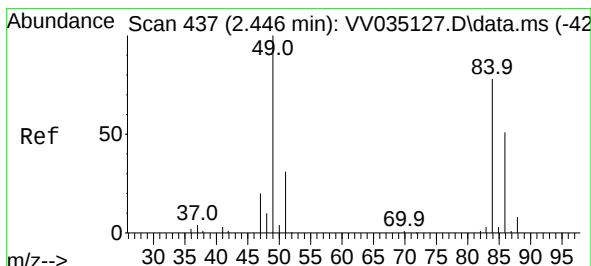
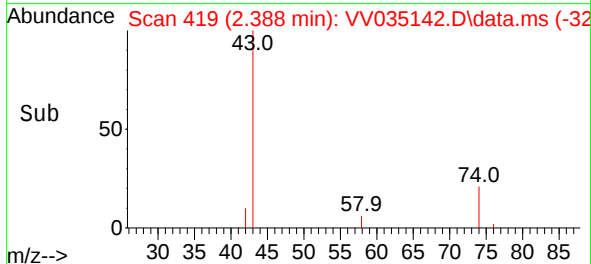
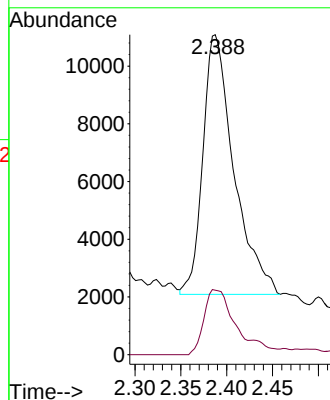
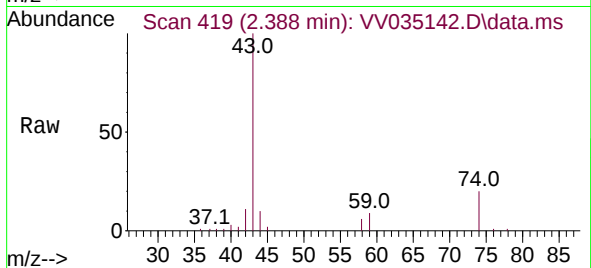




#15
Methyl Acetate
Concen: 4.462 ug/L
RT: 2.388 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

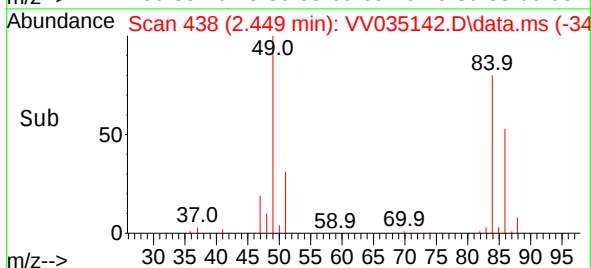
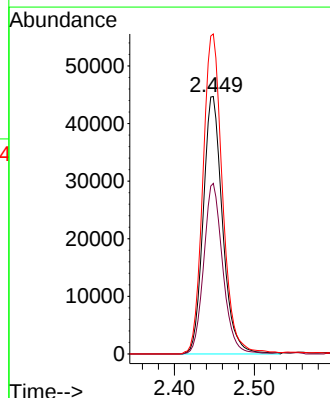
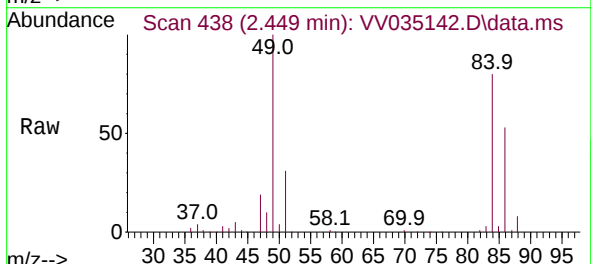
Instrument :
MSVOA_V
ClientSampleId :

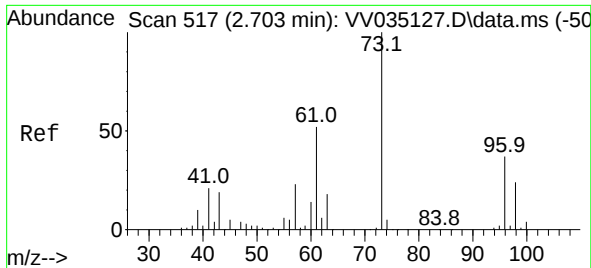
Tgt Ion: 43 Resp: 21205
Ion Ratio Lower Upper
43 100
74 26.1 18.5 27.7



#16
Methylene chloride
Concen: 4.934 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

Tgt Ion: 84 Resp: 75221
Ion Ratio Lower Upper
84 100
86 66.3 43.5 80.9
49 124.3 82.5 153.3





#17

Methyl tert-butyl Ether

Concen: 5.264 ug/L

RT: 2.706 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

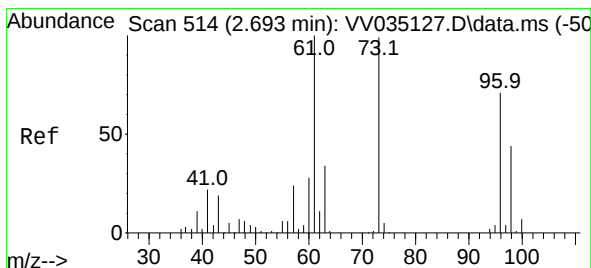
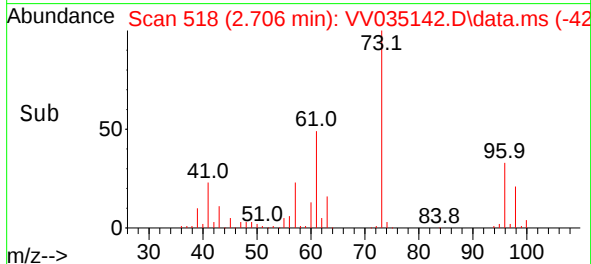
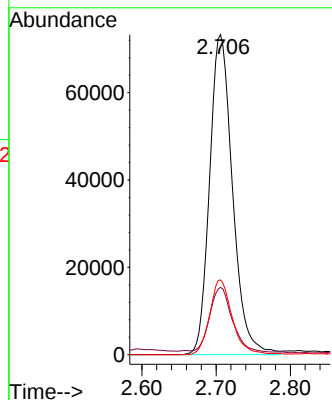
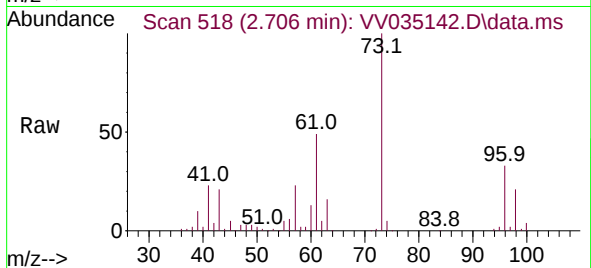
Tgt Ion: 73 Resp: 157508

Ion Ratio Lower Upper

73 100

43 20.5 14.8 22.2

57 22.9 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 4.746 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

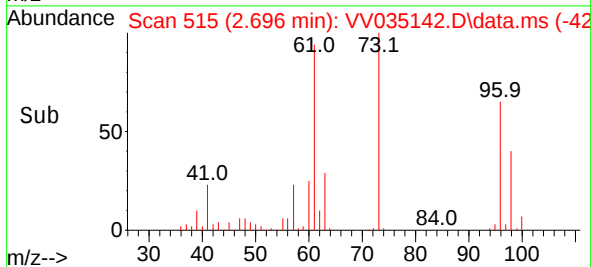
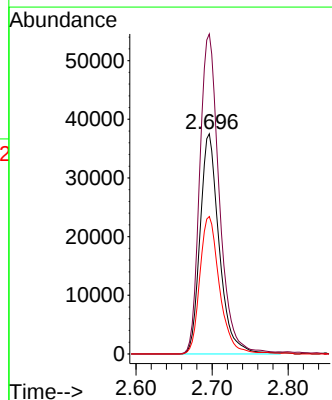
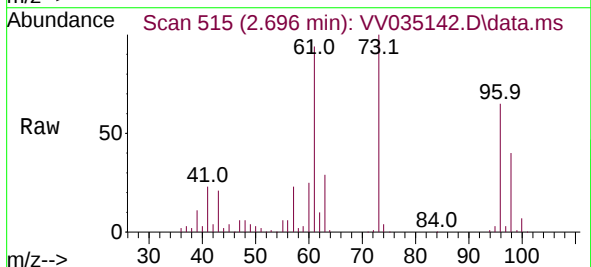
Tgt Ion: 96 Resp: 65376

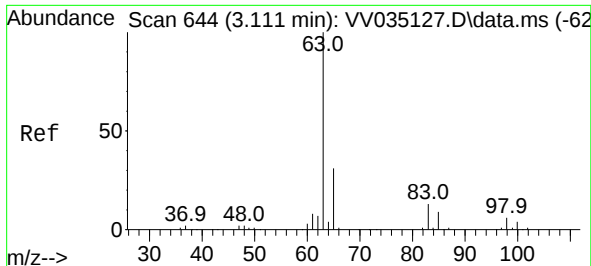
Ion Ratio Lower Upper

96 100

61 145.4 94.5 175.5

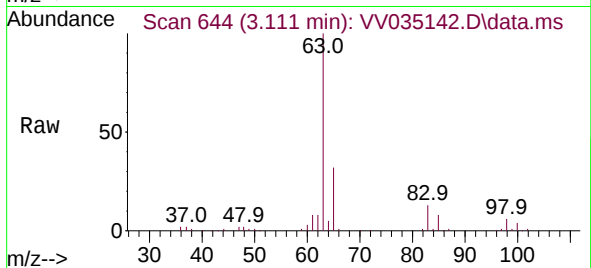
98 62.5 43.5 80.9



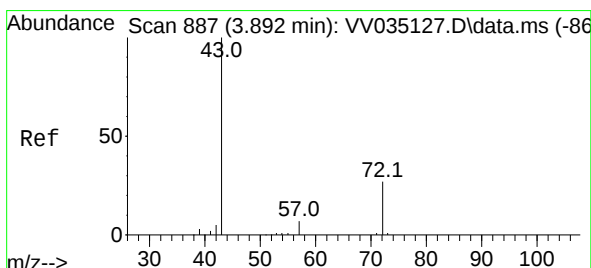
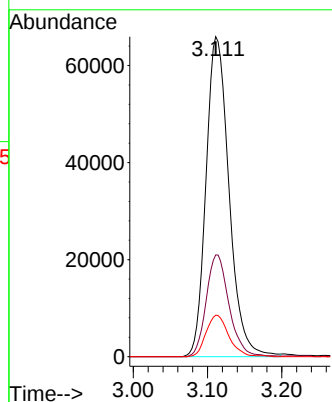
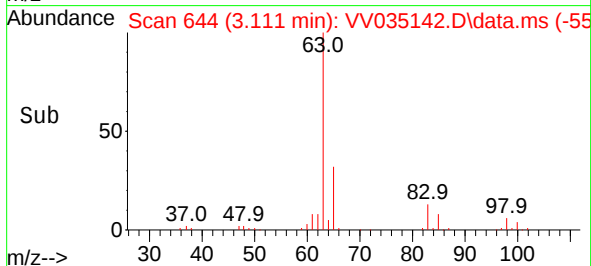


#19
1,1-Dichloroethane
Concen: 5.228 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

Instrument :
MSVOA_V
ClientSampleId :

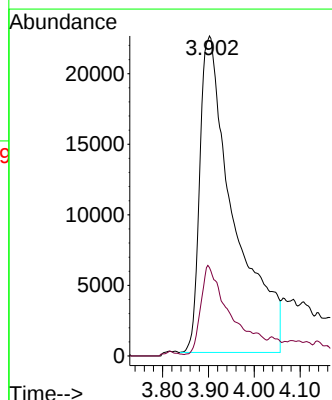
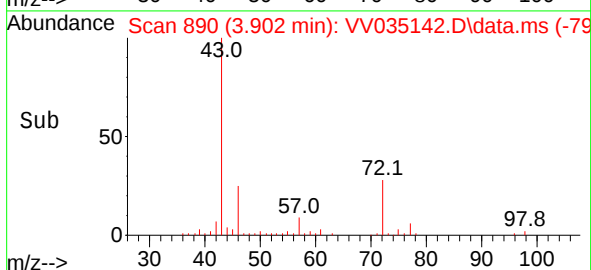
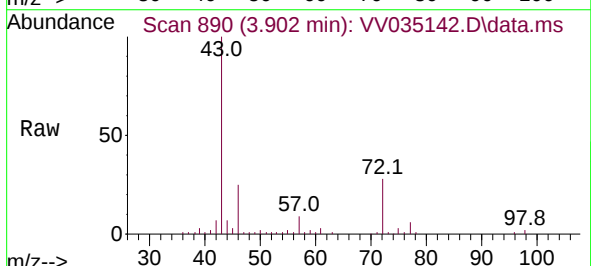


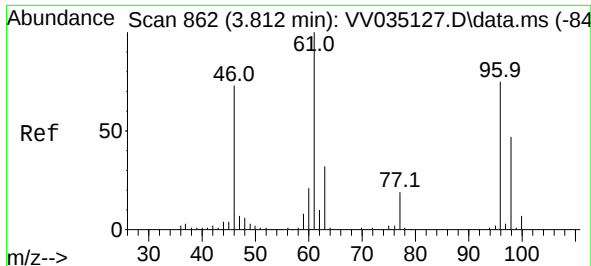
Tgt Ion: 63 Resp: 142072
Ion Ratio Lower Upper
63 100
65 31.8 22.5 41.9
83 13.0 9.1 16.9



#21
2-Butanone
Concen: 41.950 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.010 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

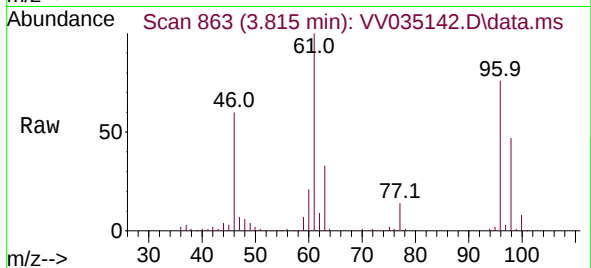
Tgt Ion: 43 Resp: 115756
Ion Ratio Lower Upper
43 100
72 22.5 7.5 22.5#



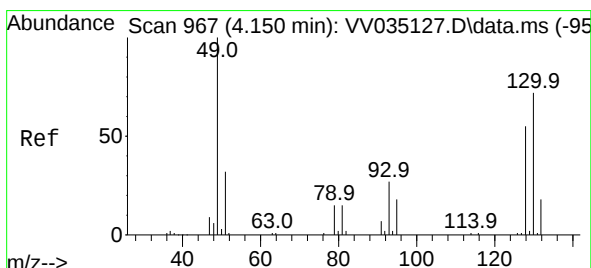
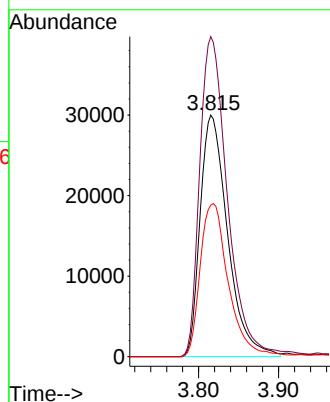
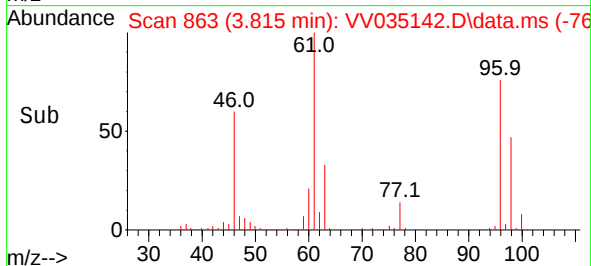


#22
cis-1,2-Dichloroethene
Concen: 4.974 ug/L
RT: 3.815 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

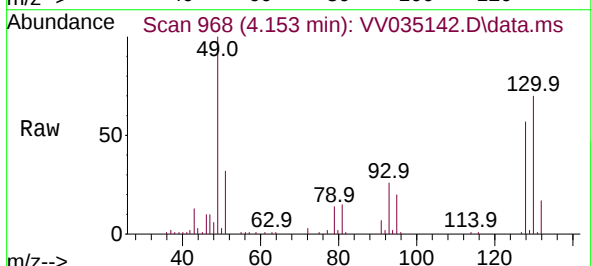
Instrument :
MSVOA_V
ClientSampleId :



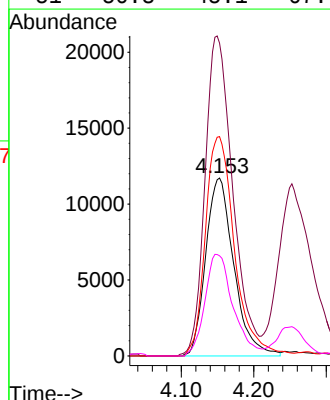
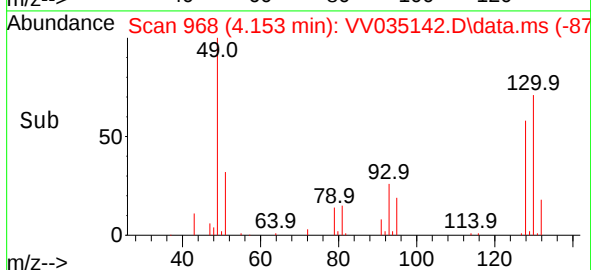
Tgt Ion: 96 Resp: 71754
Ion Ratio Lower Upper
96 100
61 132.4 90.3 167.7
98 62.7 42.7 79.3

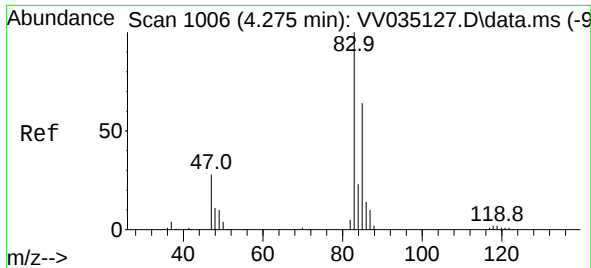


#23
Bromochloromethane
Concen: 5.216 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.003 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30



Tgt Ion: 128 Resp: 31590
Ion Ratio Lower Upper
128 100
49 175.8 122.9 228.3
130 123.3 92.1 171.1
51 56.3 45.1 67.7





#25

Chloroform

Concen: 5.226 ug/L

RT: 4.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

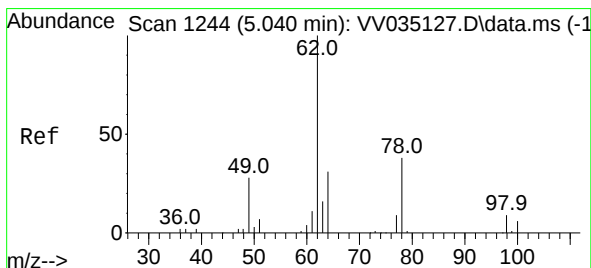
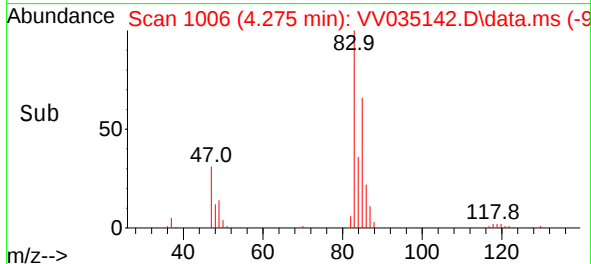
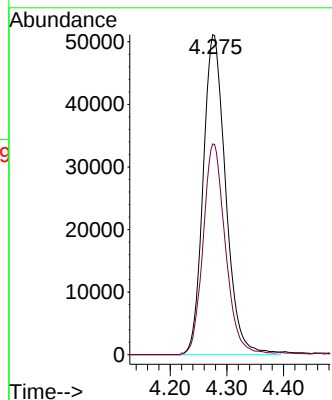
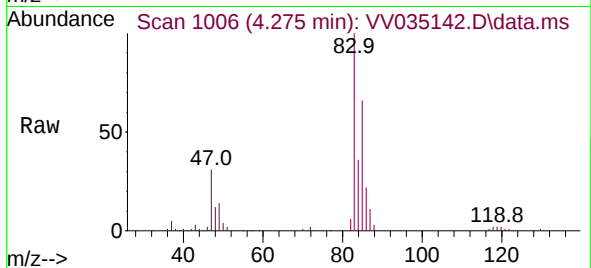
ClientSampleId :

Tgt Ion: 83 Resp: 141043

Ion Ratio Lower Upper

83 100

85 65.9 45.5 84.5



#27

1,2-Dichloroethane

Concen: 5.252 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV035142.D

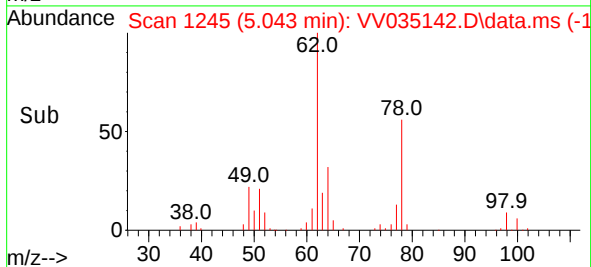
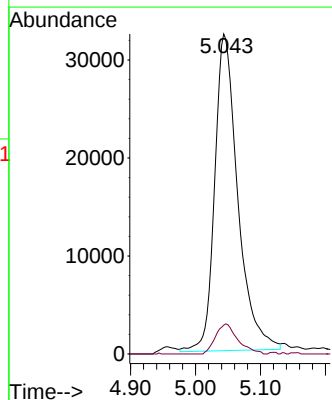
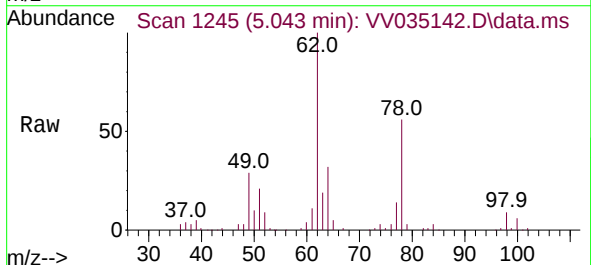
Acq: 11 Apr 2024 22:30

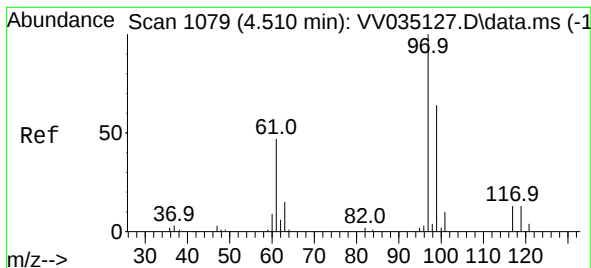
Tgt Ion: 62 Resp: 79760

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 5.017 ug/L

RT: 4.513 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

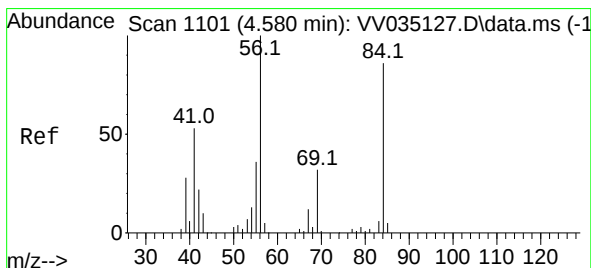
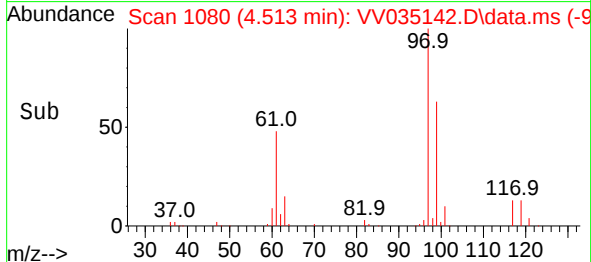
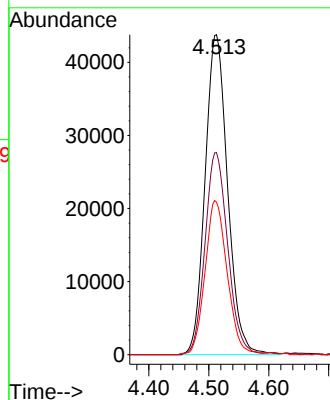
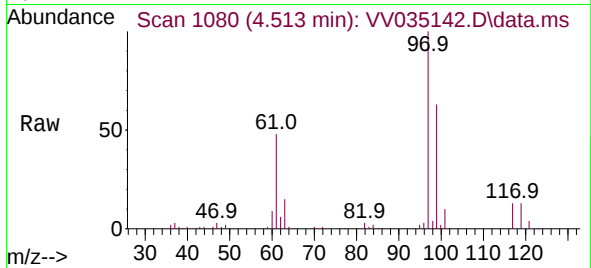
Tgt Ion: 97 Resp: 114479

Ion Ratio Lower Upper

97 100

99 63.8 52.1 78.1

61 47.3 38.7 58.1



#30

Cyclohexane

Concen: 4.582 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

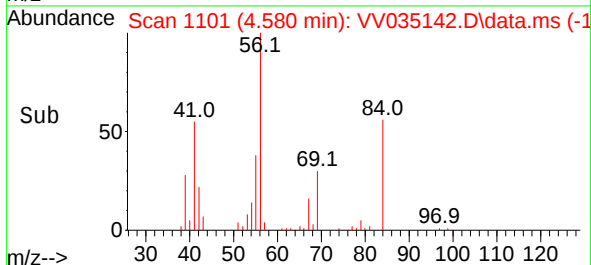
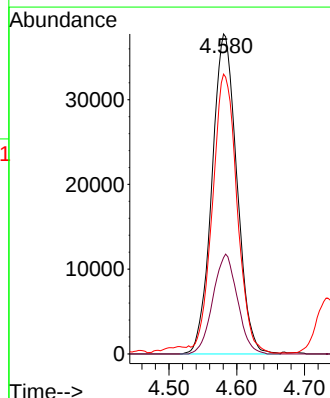
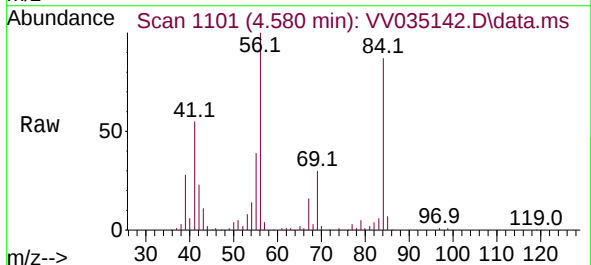
Tgt Ion: 56 Resp: 96311

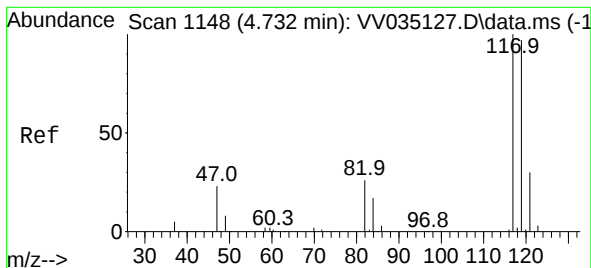
Ion Ratio Lower Upper

56 100

69 30.7 25.2 37.8

84 86.1 69.8 104.8





#31

Carbon tetrachloride

Concen: 4.955 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

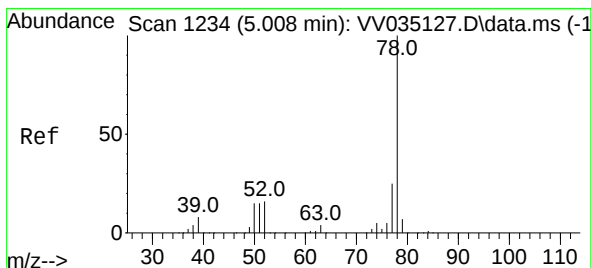
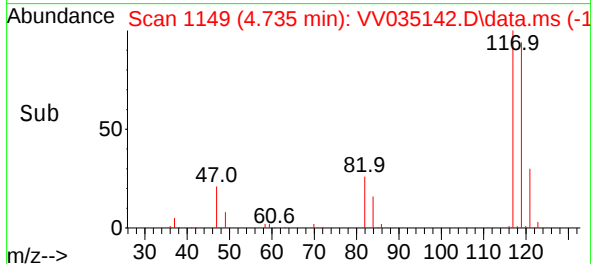
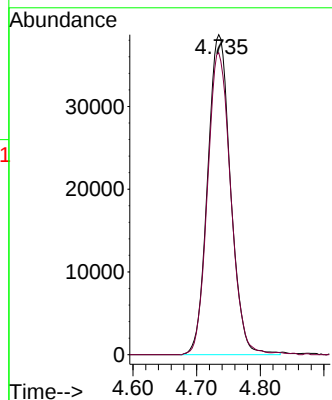
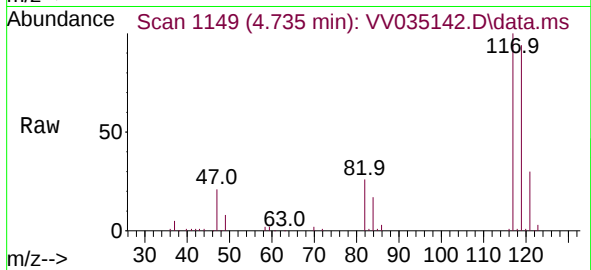
ClientSampleId :

Tgt Ion:117 Resp: 96752

Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.6



#33

Benzene

Concen: 5.095 ug/L

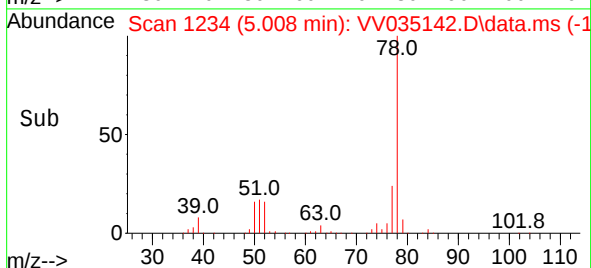
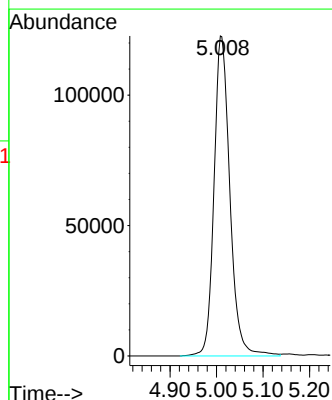
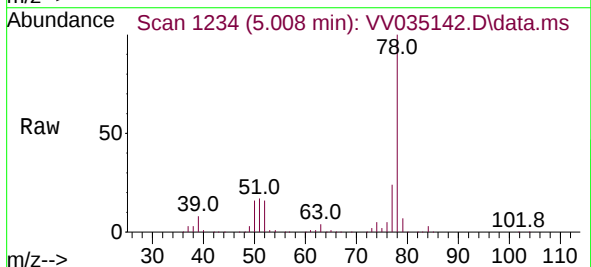
RT: 5.008 min Scan# 1234

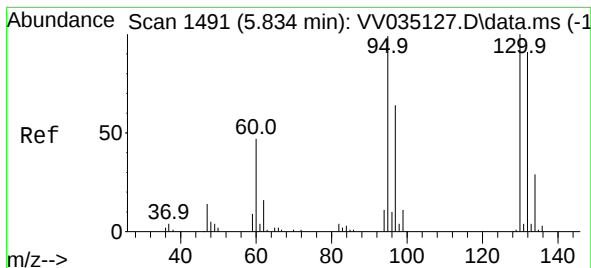
Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Tgt Ion: 78 Resp: 290389





#34

Trichloroethene

Concen: 4.873 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

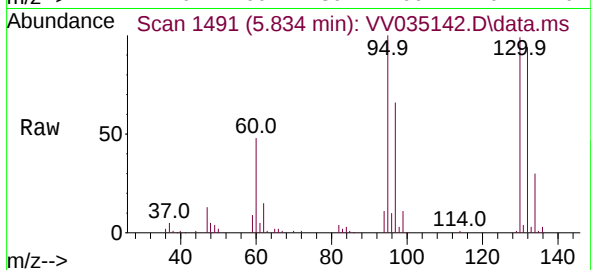
Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 72364

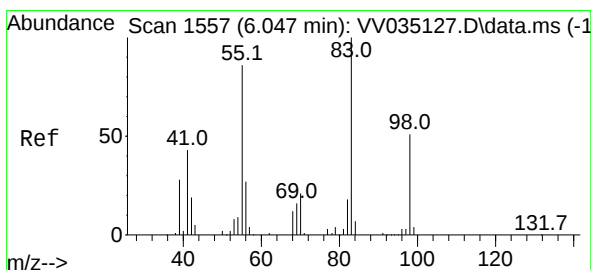
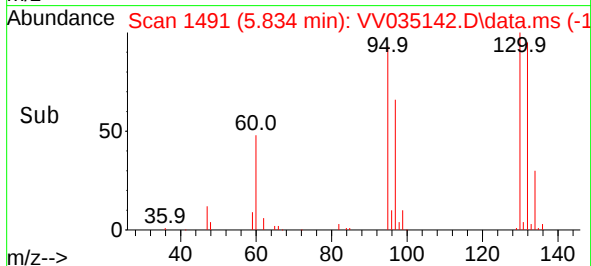
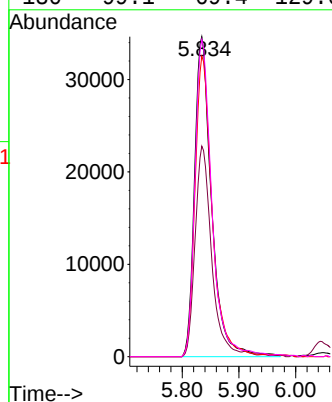
Ion Ratio Lower Upper

95 100

97 65.8 46.8 86.8

132 93.9 68.0 126.4

130 99.1 69.4 129.0



#35

Methylcyclohexane

Concen: 4.385 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

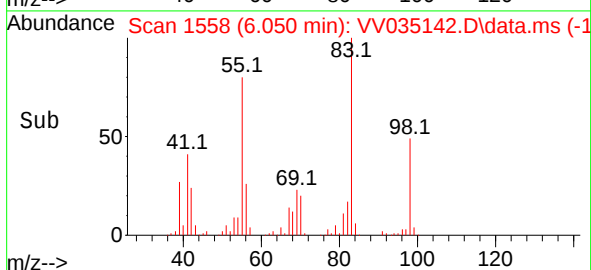
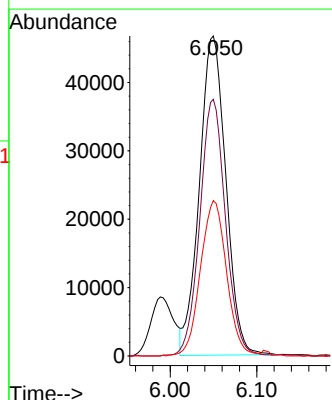
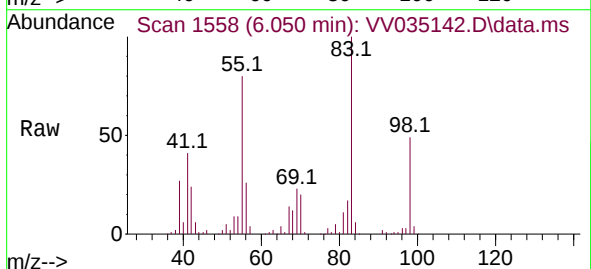
Tgt Ion: 83 Resp: 99189

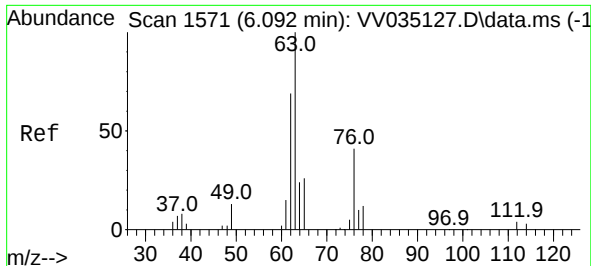
Ion Ratio Lower Upper

83 100

55 78.2 60.6 91.0

98 48.0 37.8 56.6





#37

1,2-Dichloropropane

Concen: 5.220 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

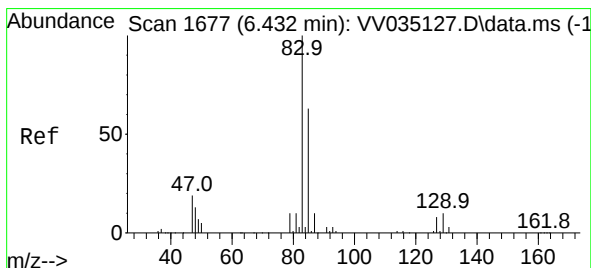
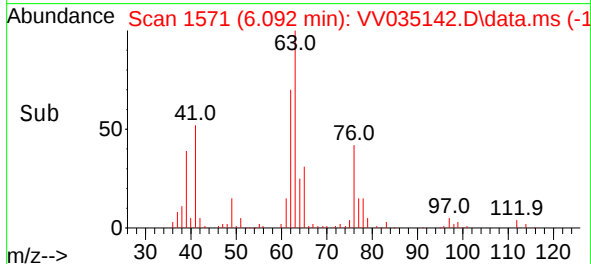
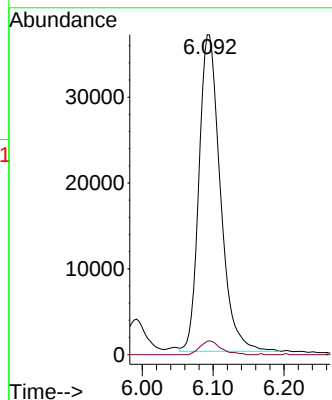
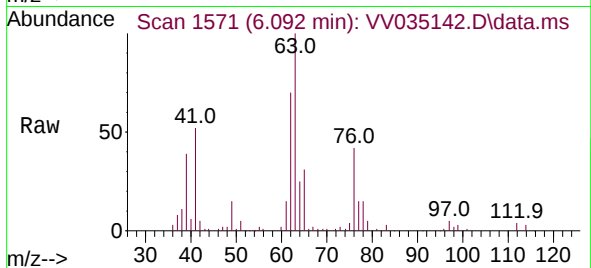
ClientSampleId :

Tgt Ion: 63 Resp: 77148

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#38

Bromodichloromethane

Concen: 5.163 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

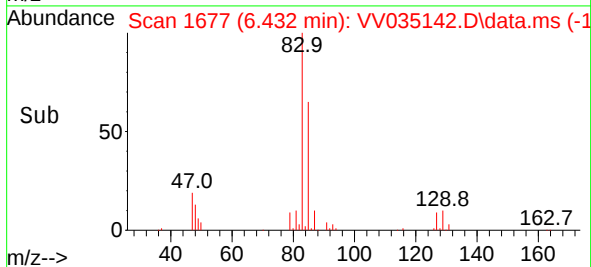
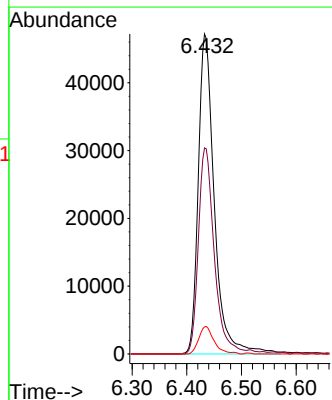
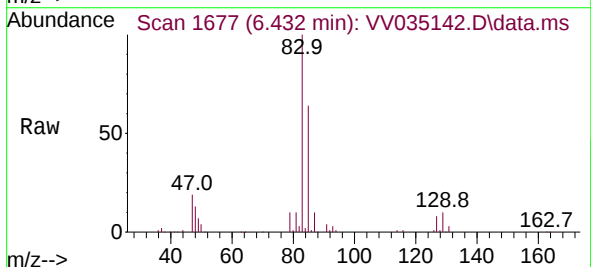
Tgt Ion: 83 Resp: 96264

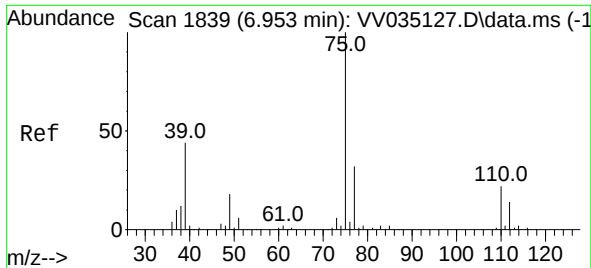
Ion Ratio Lower Upper

83 100

85 64.4 43.6 81.0

127 8.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.694 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

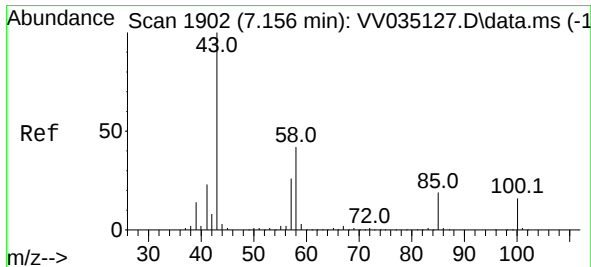
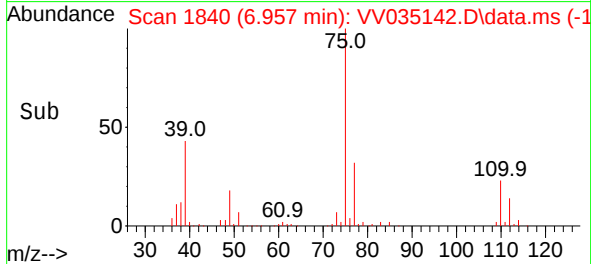
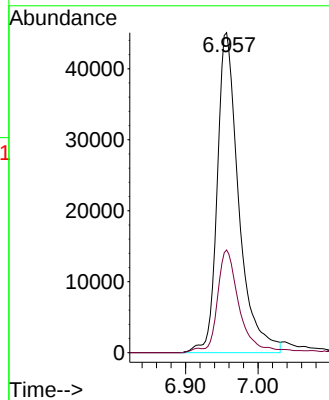
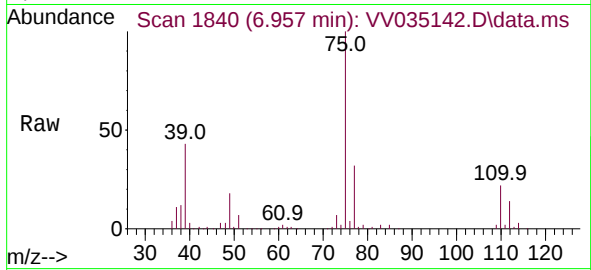
ClientSampleId :

Tgt Ion: 75 Resp: 93185

Ion Ratio Lower Upper

75 100

77 32.1 20.6 38.4



#40

4-Methyl-2-pentanone

Concen: 59.391 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

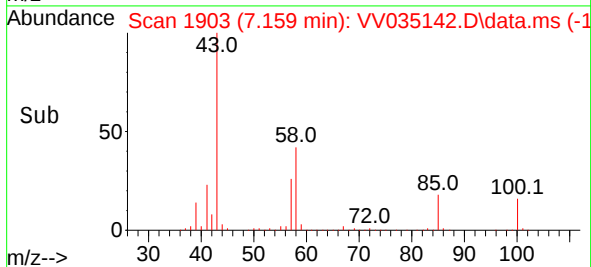
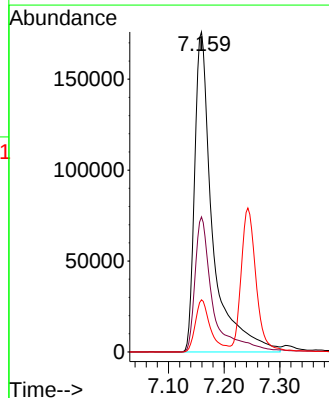
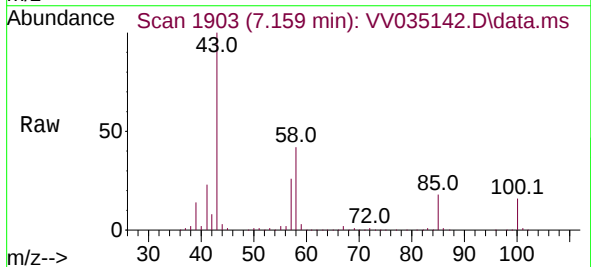
Tgt Ion: 43 Resp: 396019

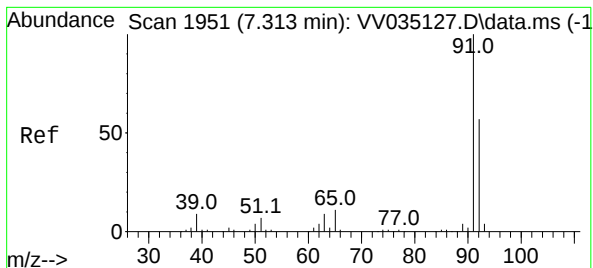
Ion Ratio Lower Upper

43 100

58 42.2 33.8 50.6

100 13.9 11.9 17.9





#42

Toluene

Concen: 5.119 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

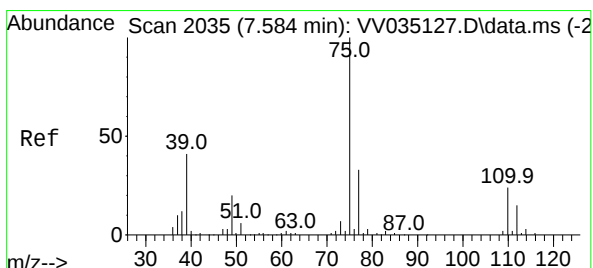
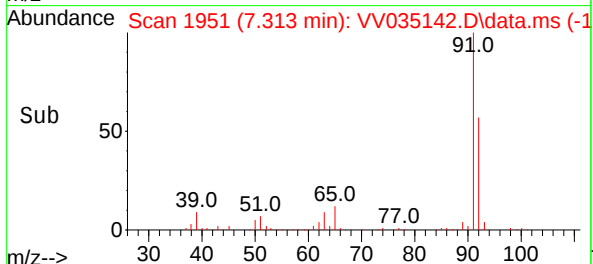
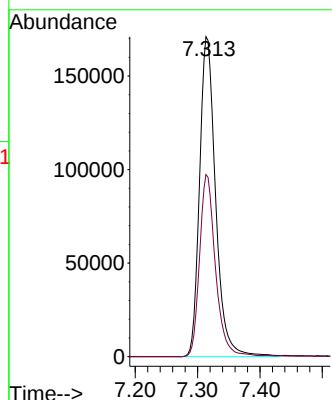
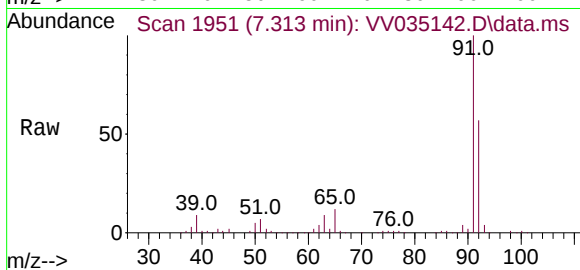
ClientSampleId :

Tgt Ion: 91 Resp: 306710

Ion Ratio Lower Upper

91 100

92 56.9 38.9 72.2



#44

trans-1,3-Dichloropropene

Concen: 4.980 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV035142.D

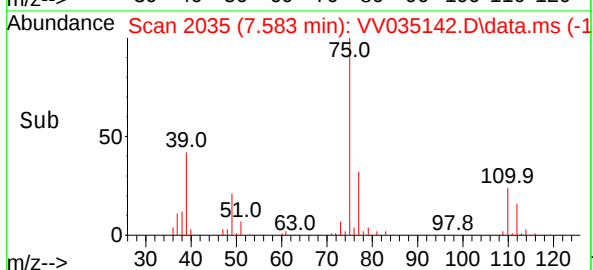
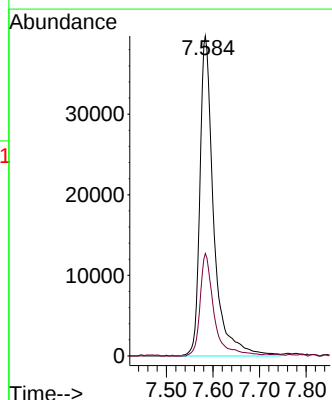
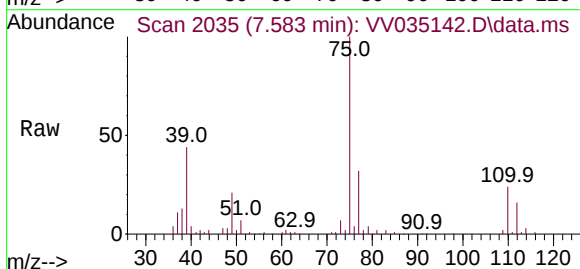
Acq: 11 Apr 2024 22:30

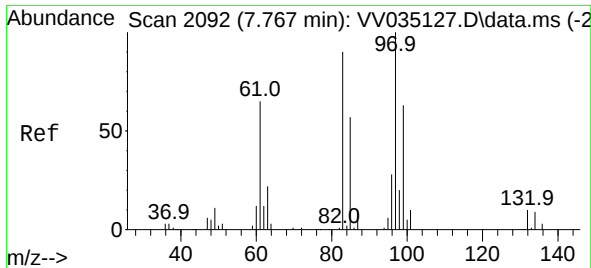
Tgt Ion: 75 Resp: 81952

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 5.610 ug/L

RT: 7.770 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 54471

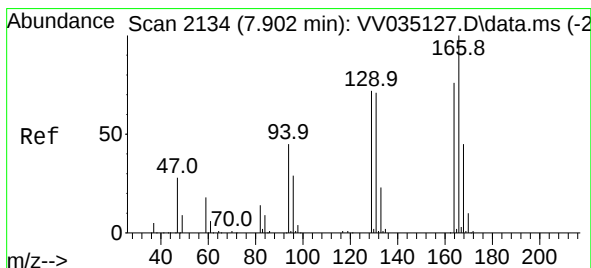
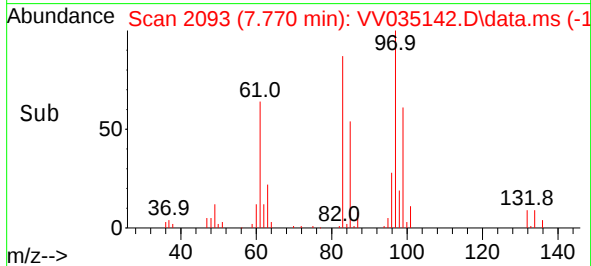
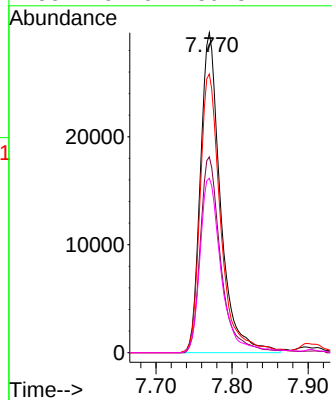
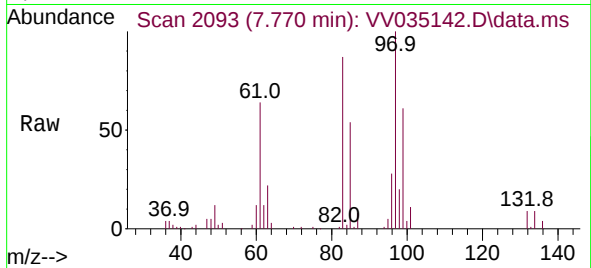
Ion Ratio Lower Upper

97 100

99 61.2 44.5 82.7

83 87.1 63.2 117.4

85 54.5 39.8 74.0



#47

Tetrachloroethene

Concen: 5.023 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Tgt Ion:164 Resp: 56048

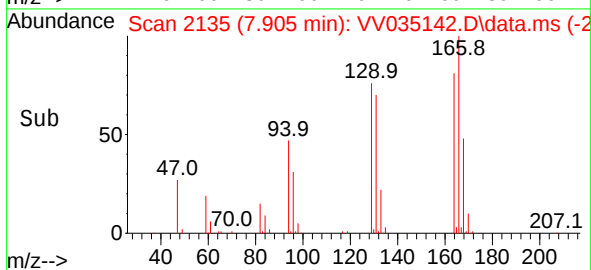
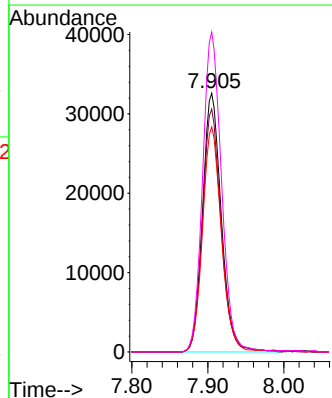
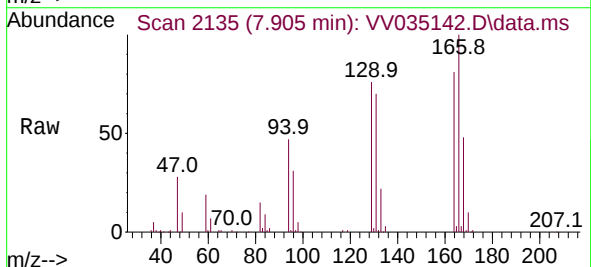
Ion Ratio Lower Upper

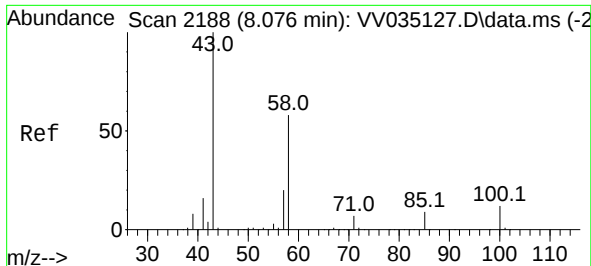
164 100

129 93.9 66.0 122.6

131 86.9 63.0 117.0

166 123.7 91.9 170.7





#48

2-Hexanone

Concen: 57.636 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 290126

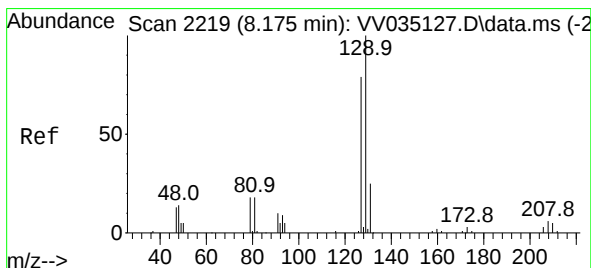
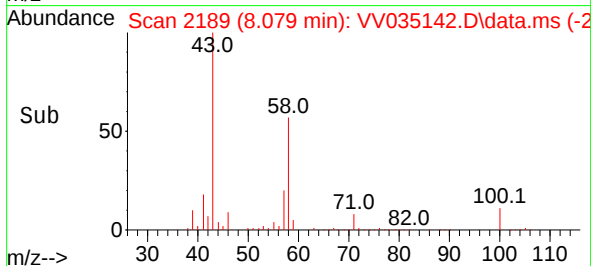
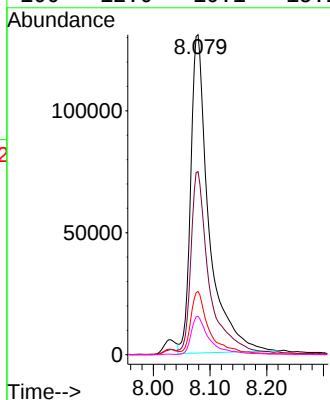
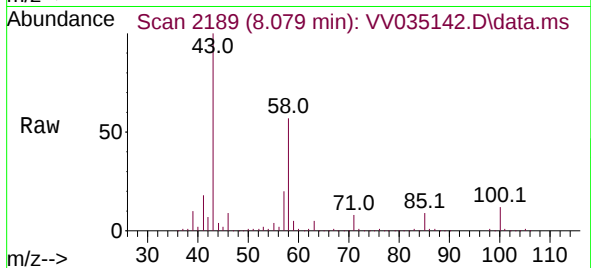
Ion Ratio Lower Upper

43 100

58 57.0 48.2 72.4

57 19.9 15.6 23.4

100 12.0 10.1 15.1



#49

Dibromochloromethane

Concen: 5.179 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV035142.D

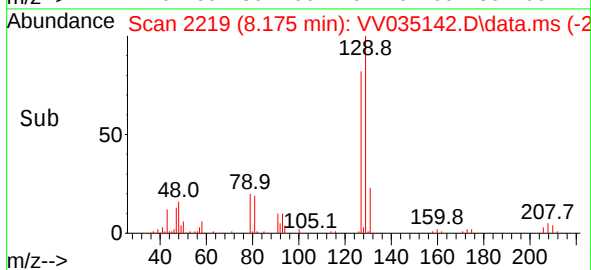
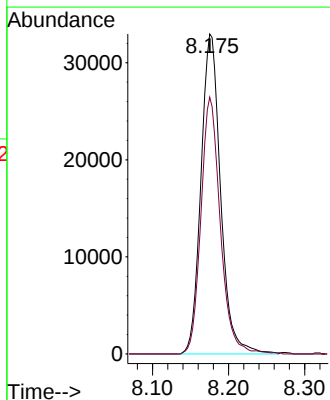
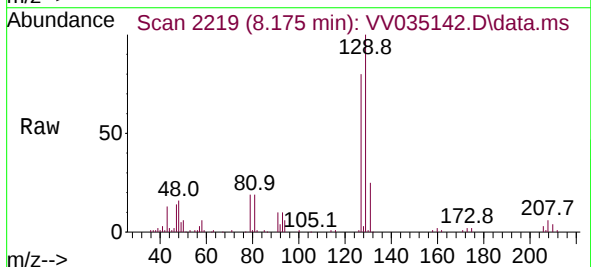
Acq: 11 Apr 2024 22:30

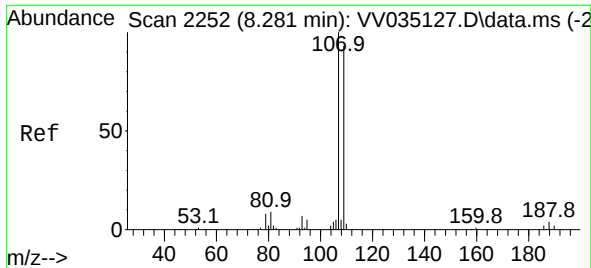
Tgt Ion: 129 Resp: 59189

Ion Ratio Lower Upper

129 100

127 80.3 56.4 104.7

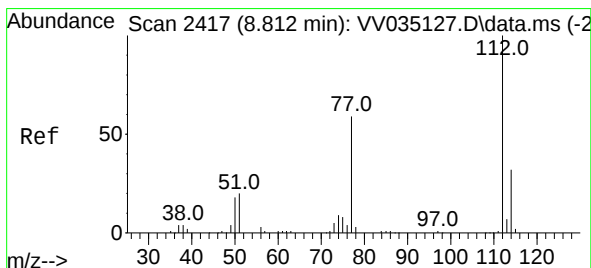
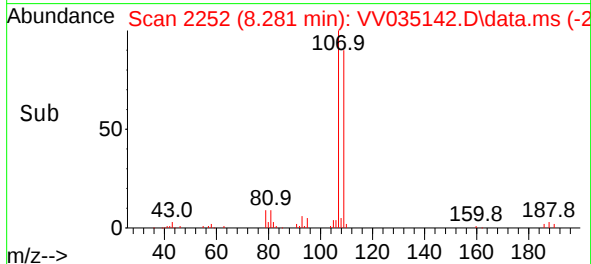
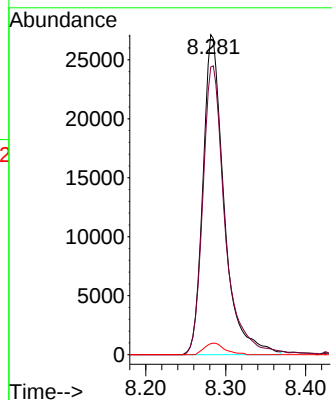
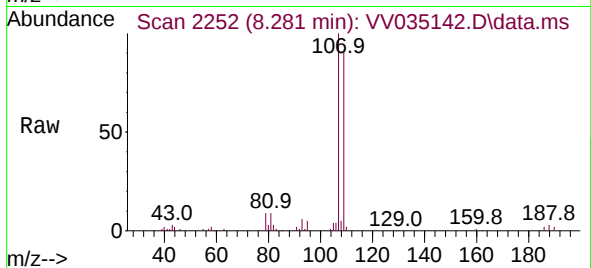




#50
1,2-Dibromoethane
Concen: 5.467 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

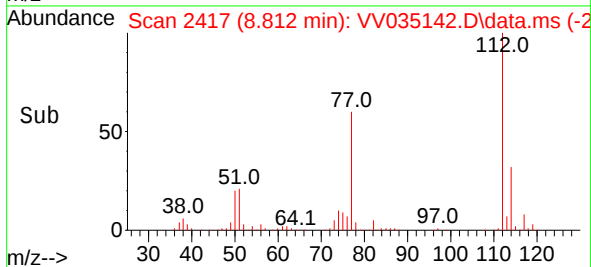
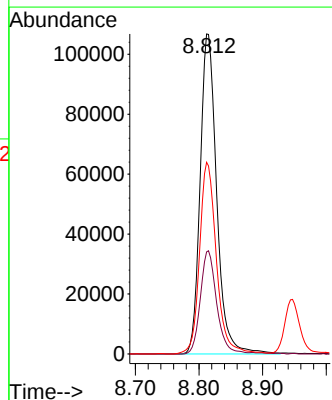
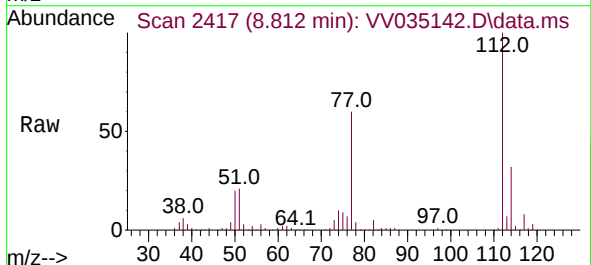
Instrument :
MSVOA_V
ClientSampleId :

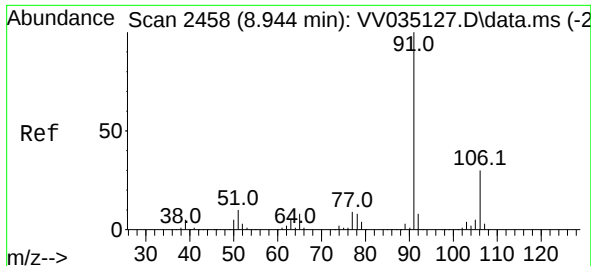
Tgt Ion:107 Resp: 49981
Ion Ratio Lower Upper
107 100
109 89.9 66.1 122.8
188 3.5 3.2 4.8



#51
Chlorobenzene
Concen: 4.991 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

Tgt Ion:112 Resp: 193178
Ion Ratio Lower Upper
112 100
114 31.9 21.9 40.7
77 59.9 47.4 71.2





#52

Ethylbenzene

Concen: 4.874 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

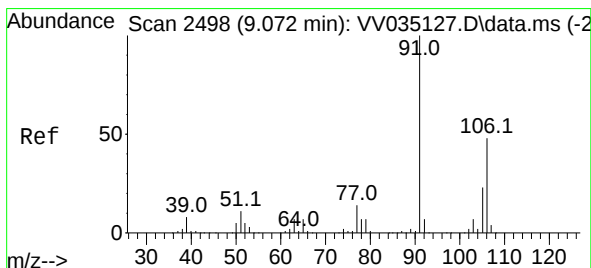
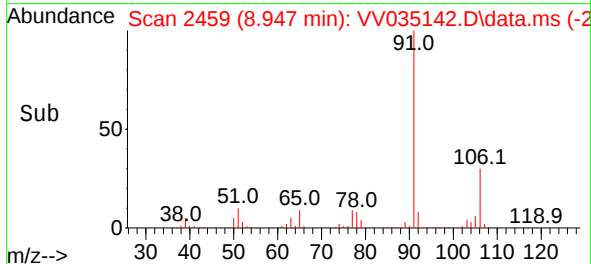
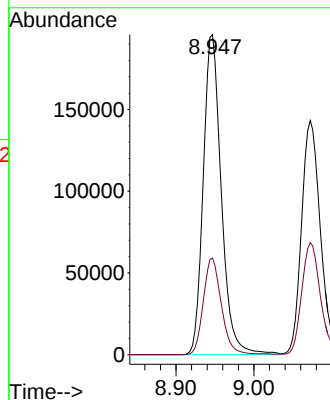
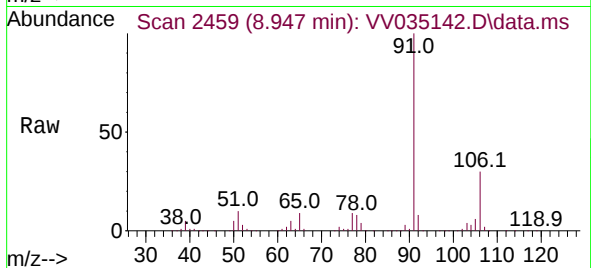
ClientSampleId :

Tgt Ion: 91 Resp: 315424

Ion Ratio Lower Upper

91 100

106 30.2 21.2 39.4



#53

m,p-Xylene

Concen: 4.844 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV035142.D

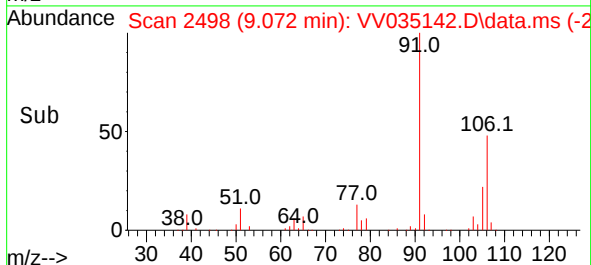
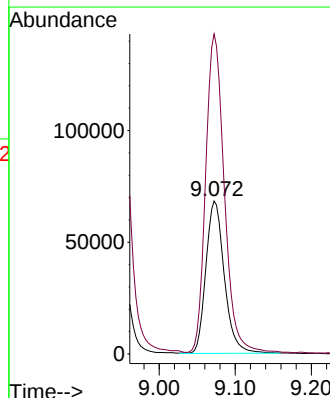
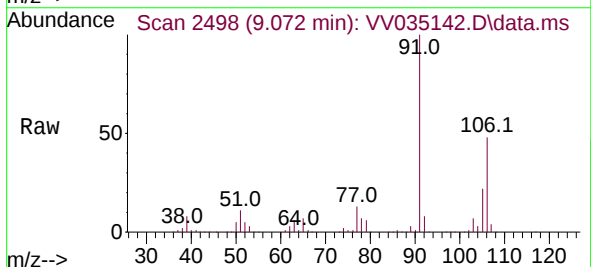
Acq: 11 Apr 2024 22:30

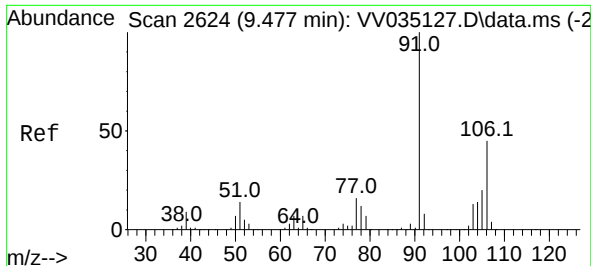
Tgt Ion: 106 Resp: 115115

Ion Ratio Lower Upper

106 100

91 209.2 145.7 270.7

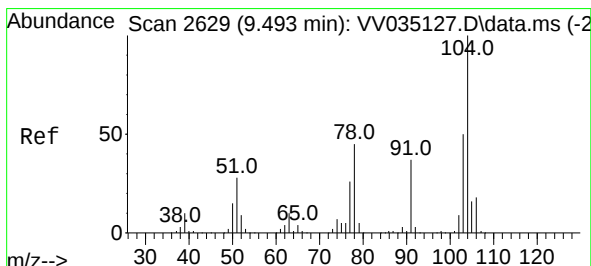
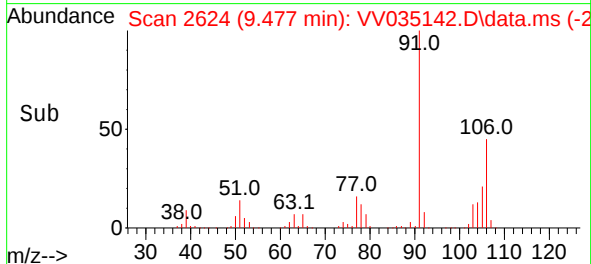
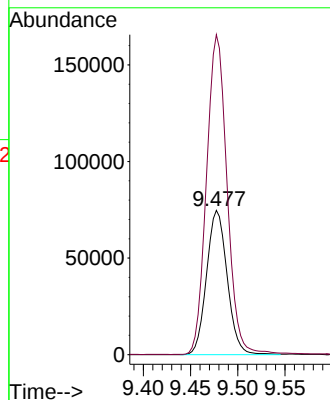
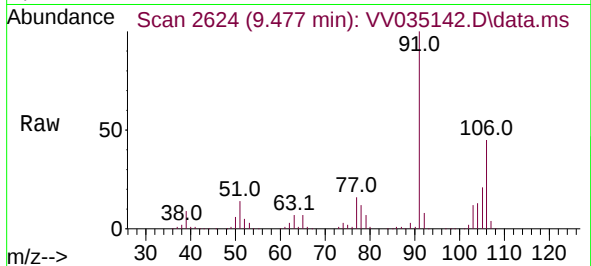




#54
o-Xylene
Concen: 4.875 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

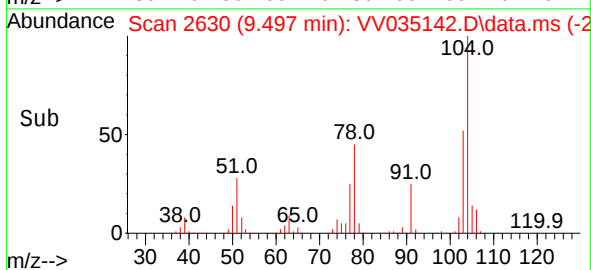
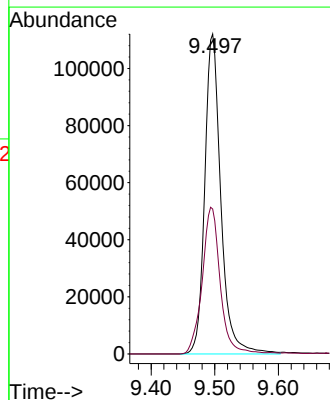
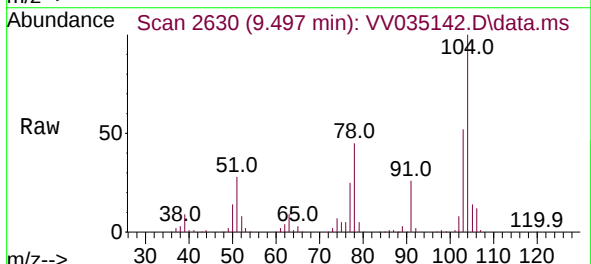
Instrument :
MSVOA_V
ClientSampleId :

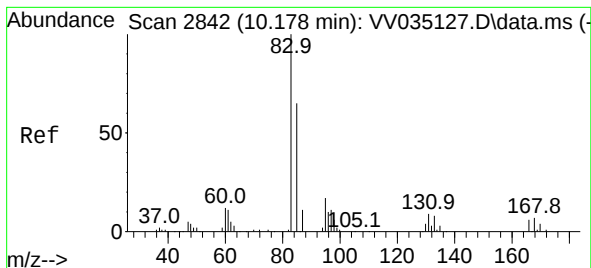
Tgt Ion:106 Resp: 113661
Ion Ratio Lower Upper
106 100
91 221.8 151.2 280.8



#55
Styrene
Concen: 5.254 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

Tgt Ion:104 Resp: 196941
Ion Ratio Lower Upper
104 100
78 45.3 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.785 ug/L

RT: 10.175 min Scan# 2842

Delta R.T. -0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

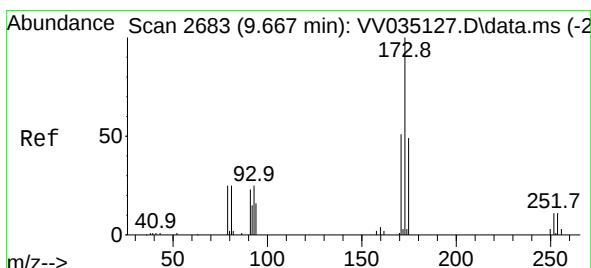
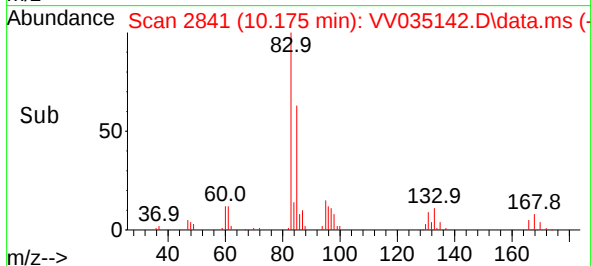
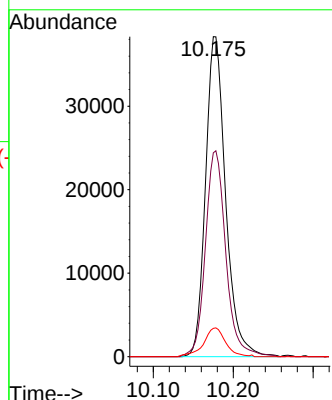
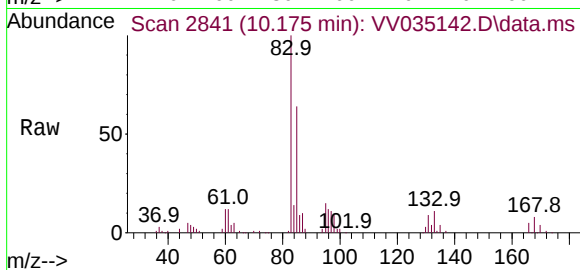
Tgt Ion: 83 Resp: 67142

Ion Ratio Lower Upper

83 100

85 63.7 45.7 84.9

131 8.9 7.6 11.4



#59

Bromoform

Concen: 4.968 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.003 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

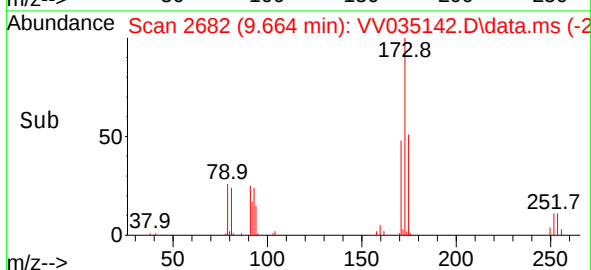
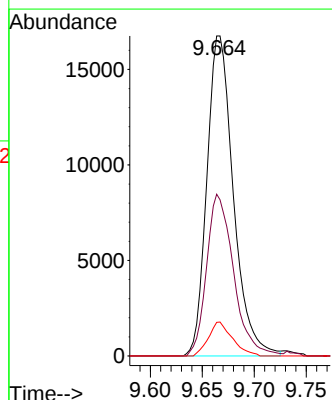
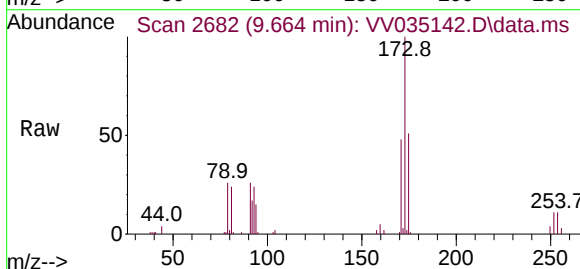
Tgt Ion: 173 Resp: 29747

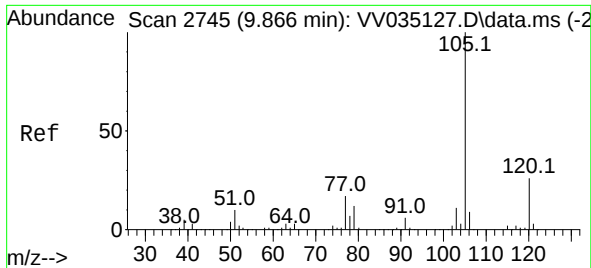
Ion Ratio Lower Upper

173 100

175 51.4 37.8 56.8

254 9.6 7.8 11.6

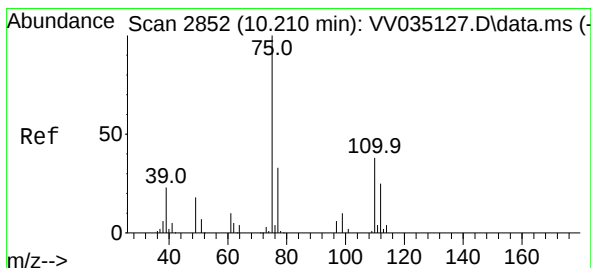
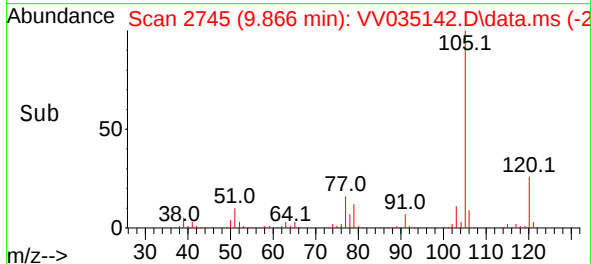
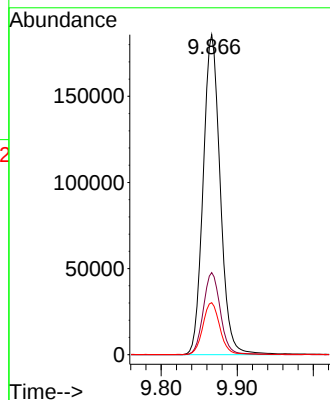
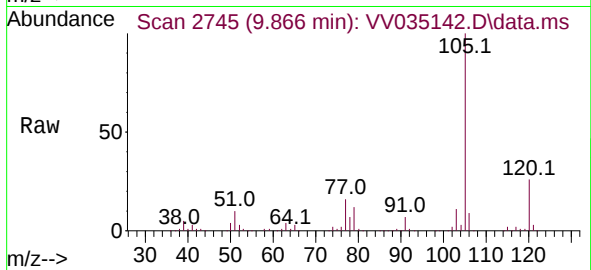




#60
Isopropylbenzene
Concen: 4.810 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

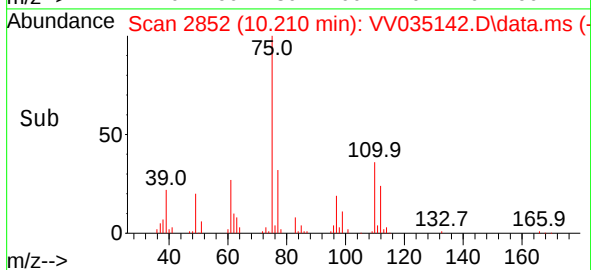
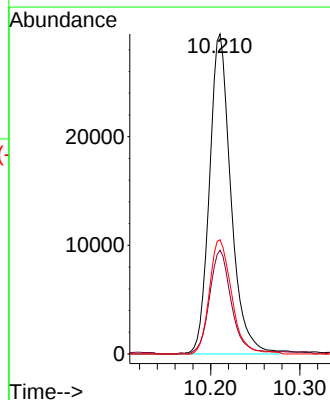
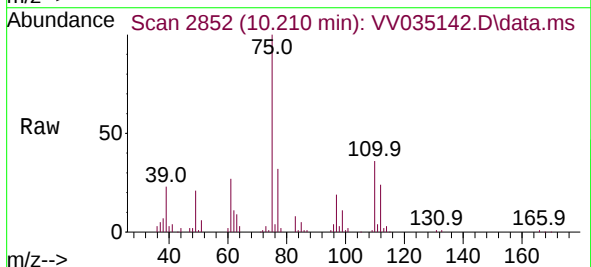
Instrument :
MSVOA_V
ClientSampleId :

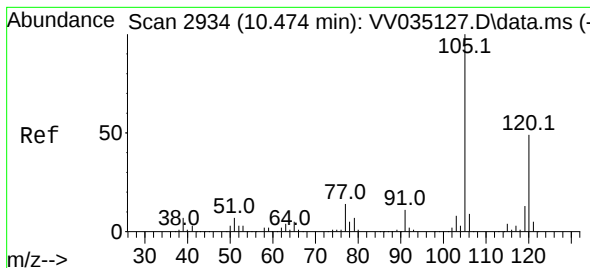
Tgt Ion:105 Resp: 289567
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.4
77 16.2 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 5.474 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV035142.D
Acq: 11 Apr 2024 22:30

Tgt Ion: 75 Resp: 49226
Ion Ratio Lower Upper
75 100
77 33.1 24.8 37.2
110 37.1 31.0 46.6





#62

1,3,5-Trimethylbenzene

Concen: 4.562 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

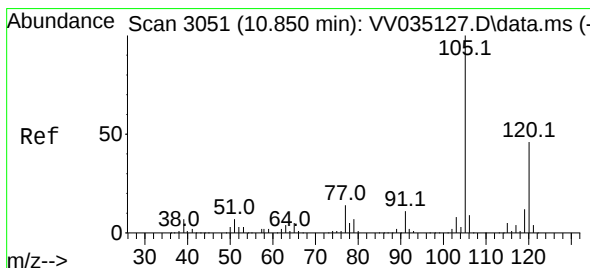
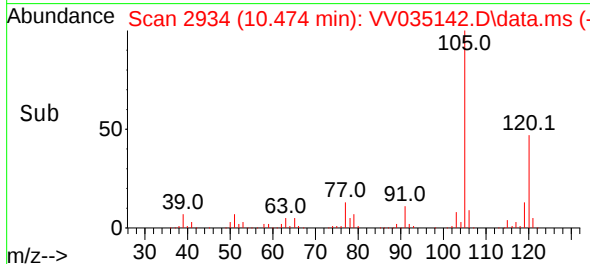
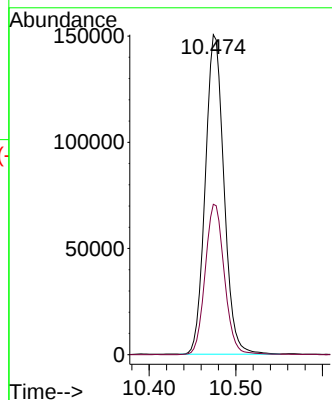
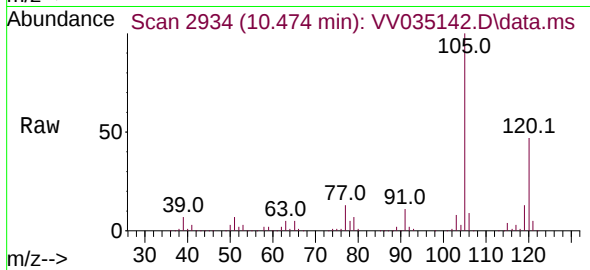
ClientSampleId :

Tgt Ion:105 Resp: 225638

Ion Ratio Lower Upper

105 100

120 48.6 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 4.754 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV035142.D

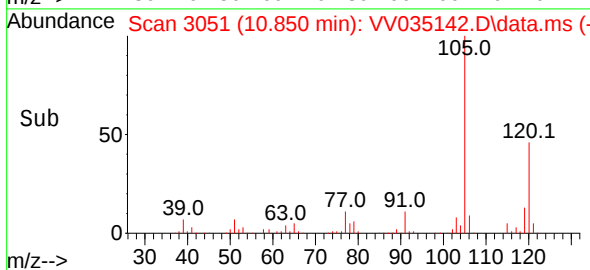
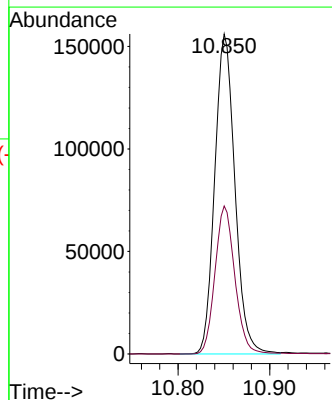
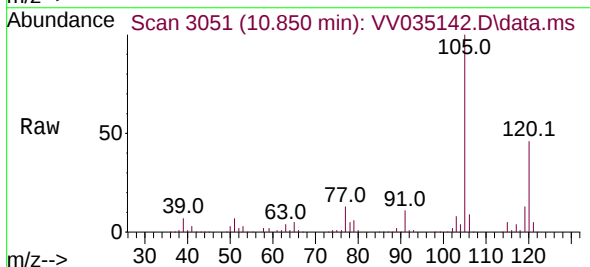
Acq: 11 Apr 2024 22:30

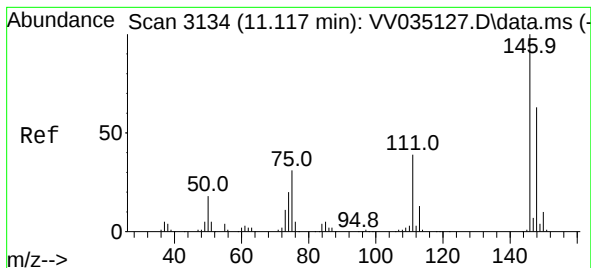
Tgt Ion:105 Resp: 238526

Ion Ratio Lower Upper

105 100

120 45.6 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 4.976 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

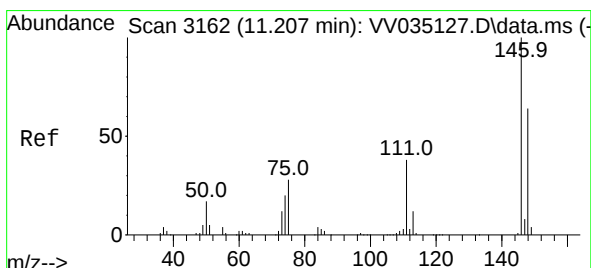
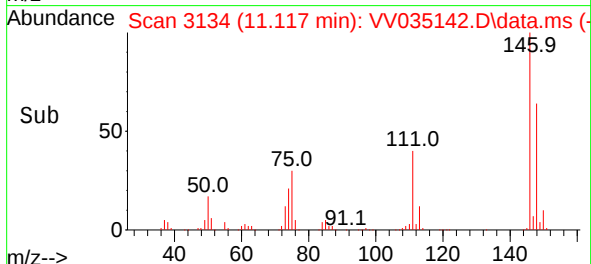
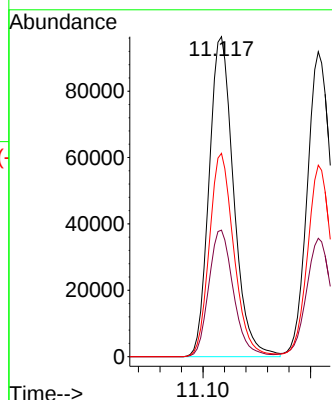
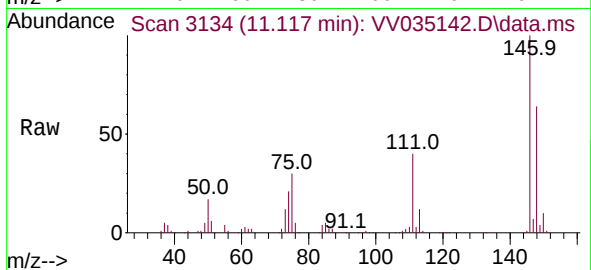
Tgt Ion:146 Resp: 152907

Ion Ratio Lower Upper

146 100

111 39.6 27.7 51.5

148 63.6 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 4.841 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

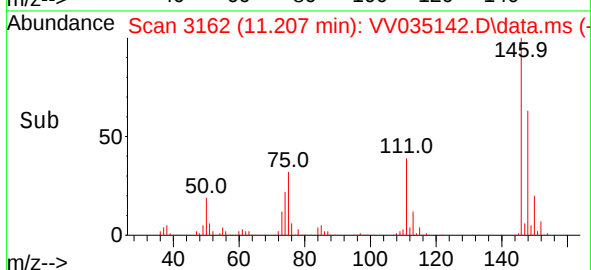
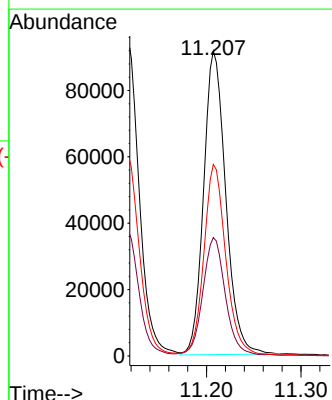
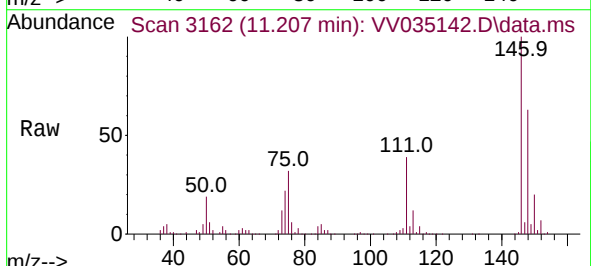
Tgt Ion:146 Resp: 148986

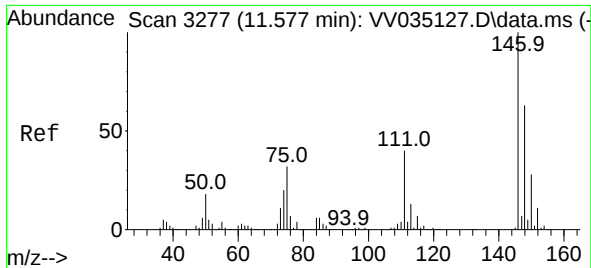
Ion Ratio Lower Upper

146 100

111 38.8 27.3 50.7

148 62.8 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 5.045 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

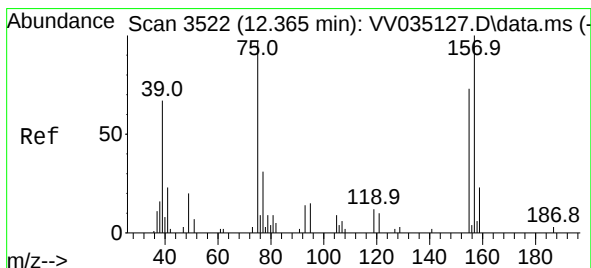
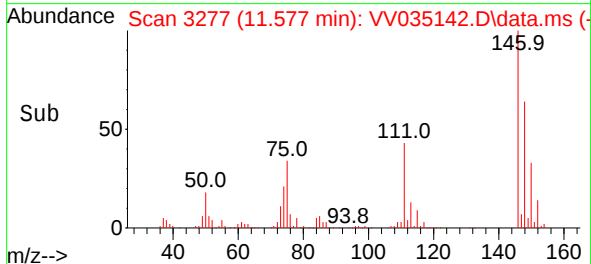
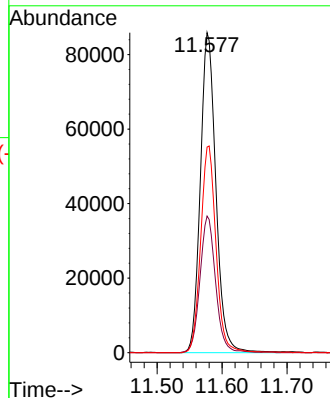
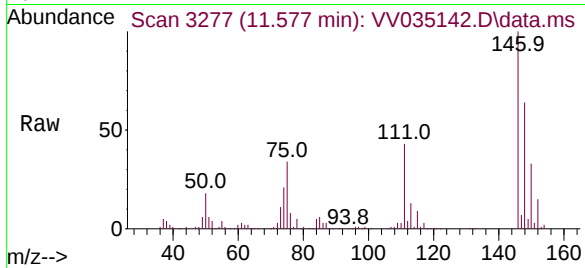
Tgt Ion:146 Resp: 143199

Ion Ratio Lower Upper

146 100

111 42.7 33.9 50.9

148 64.3 49.3 73.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.431 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

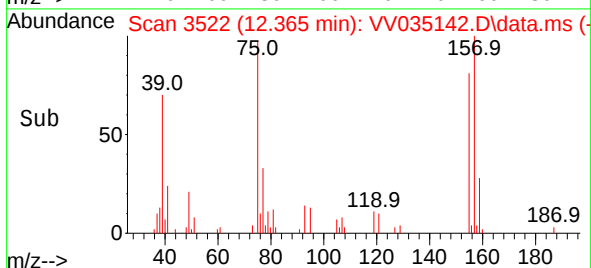
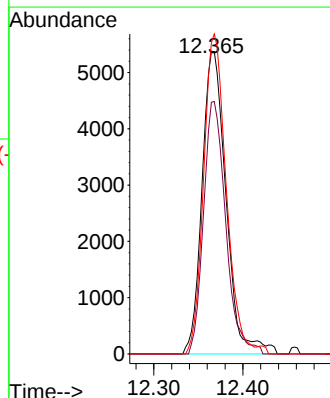
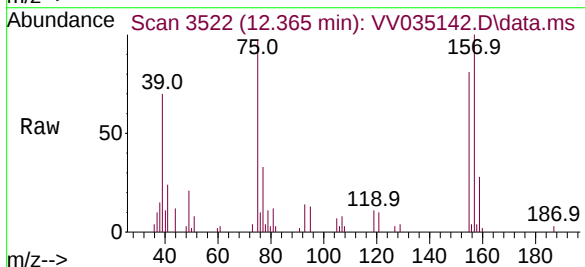
Tgt Ion: 75 Resp: 10039

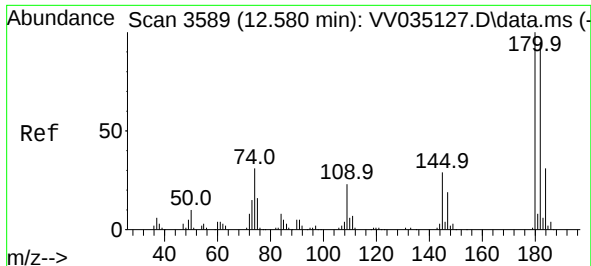
Ion Ratio Lower Upper

75 100

155 83.3 63.4 95.0

157 103.0 78.6 117.8





#69

1,3,5-Trichlorobenzene

Concen: 4.717 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

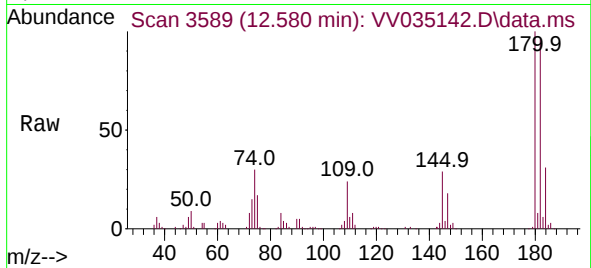
Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 108822

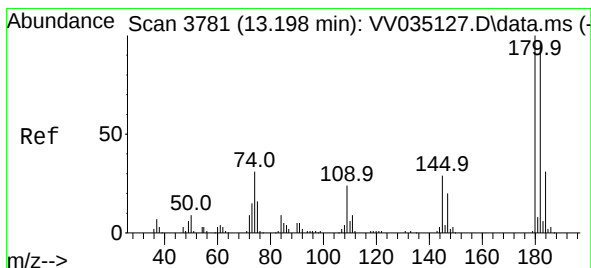
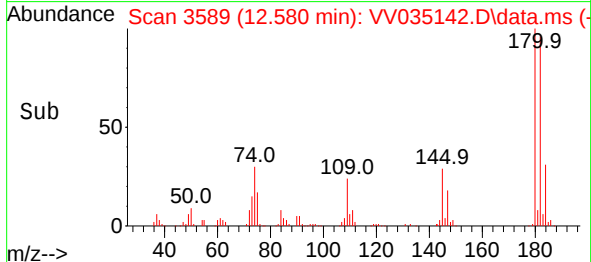
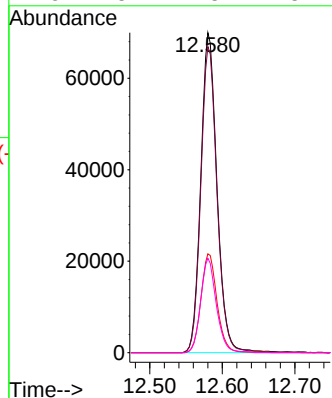
Ion Ratio Lower Upper

180 100

182 95.3 77.3 115.9

184 30.6 24.1 36.1

145 28.4 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.888 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

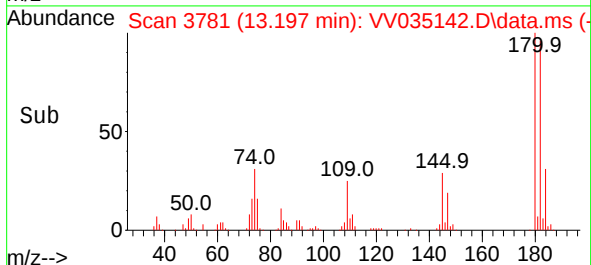
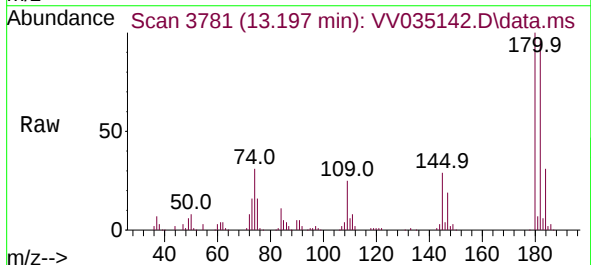
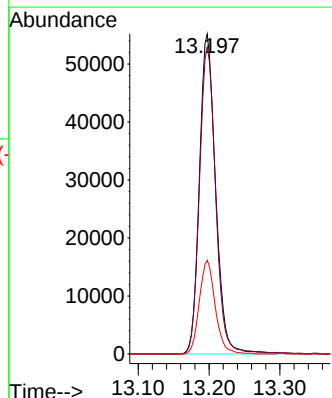
Tgt Ion:180 Resp: 87592

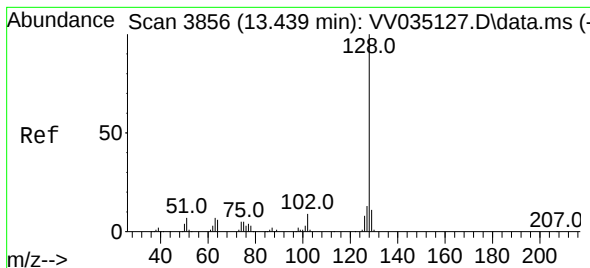
Ion Ratio Lower Upper

180 100

182 95.5 75.3 112.9

145 28.7 23.4 35.0





#71

Naphthalene

Concen: 4.630 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Instrument :

MSVOA_V

ClientSampleId :

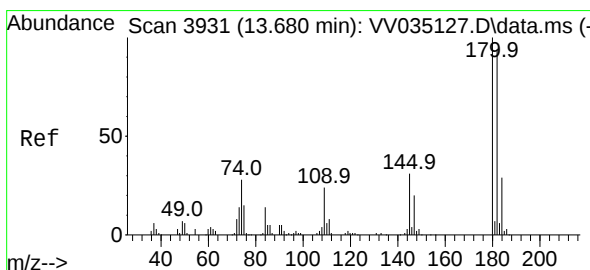
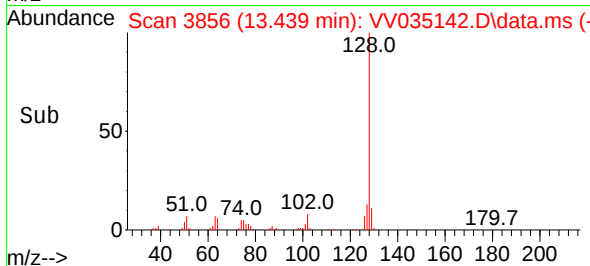
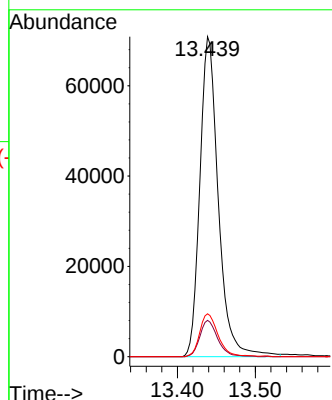
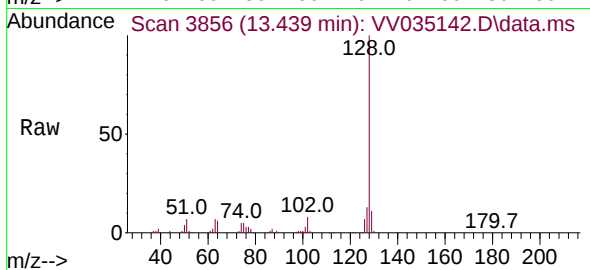
Tgt Ion:128 Resp: 116610

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.4 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 5.248 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV035142.D

Acq: 11 Apr 2024 22:30

Tgt Ion:180 Resp: 82718

Ion Ratio Lower Upper

180 100

182 94.3 77.0 115.4

145 30.8 25.4 38.2

