

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042524\
 Data File : VW035414.D
 Acq On : 25 Apr 2024 19:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 26 01:40:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 26 01:37:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	396348	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	394226	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	218682	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	149272	38.997	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.000%
7) Chloroethane-d5	1.529	69	133107	40.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.080%
11) 1,1-Dichloroethene-d2	2.053	65	64998	38.738	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.480%
21) 2-Butanone-d5	3.790	46	243962	107.465	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.460%
24) Chloroform-d	4.246	84	330233	51.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.620%
26) 1,2-Dichloroethane-d4	4.937	65	198169	48.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
32) Benzene-d6	4.957	84	619508	46.783	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.560%
36) 1,2-Dichloropropane-d6	5.986	67	201042	47.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.620%
41) Toluene-d8	7.240	98	555089	46.545	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.100%
43) trans-1,3-Dichloroprop...	7.551	79	90949	44.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.980%
47) 2-Hexanone-d5	8.024	63	150675	94.772	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.770%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	327338	56.528	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.060%
66) 1,2-Dichlorobenzene-d4	11.558	152	237946	48.463	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	173963	60.559	ug/L	100
3) Chloromethane	1.214	50	183713	49.746	ug/L	98
5) Vinyl chloride	1.282	62	194282	50.182	ug/L	99
6) Bromomethane	1.487	94	112547	38.782	ug/L	99
8) Chloroethane	1.545	64	125164	47.337	ug/L	100
9) Trichlorofluoromethane	1.706	101	260631	51.292	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	156405	50.288	ug/L	96
12) 1,1-Dichloroethene	2.066	96	145384	48.875	ug/L	86
13) Acetone	2.124	43	187342	89.888	ug/L	99
14) Carbon disulfide	2.237	76	394141	47.052	ug/L	100
15) Methyl Acetate	2.375	43	191549	58.322	ug/L	97
16) Methylene chloride	2.446	84	185701	57.616	ug/L	94
17) trans-1,2-Dichloroethene	2.690	96	156988	54.588	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	552121	54.658	ug/L	99
19) 1,1-Dichloroethane	3.108	63	333794	56.599	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	183774	56.274	ug/L	92
22) 2-Butanone	3.873	43	239050	98.844	ug/L	95
23) Bromochloromethane	4.143	128	99757	61.054	ug/L	89
25) Chloroform	4.272	83	340983	58.480	ug/L	99

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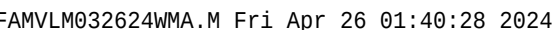
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 MSVOA_V
 ClientSampleId :

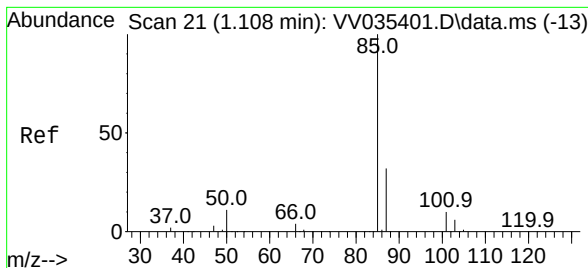
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	255219	54.976	ug/L	98
29) Cyclohexane	4.580	56	231114	46.807	ug/L	96
30) 1,1,1-Trichloroethane	4.510	97	286946	55.840	ug/L	97
31) Carbon tetrachloride	4.732	117	248792	57.121	ug/L	99
33) Benzene	5.005	78	700946	54.526	ug/L	100
34) Trichloroethene	5.831	95	178415	51.427	ug/L	97
35) Methylcyclohexane	6.047	83	253826	48.445	ug/L	98
37) 1,2-Dichloropropane	6.088	63	194838	54.844	ug/L	98
38) Bromodichloromethane	6.429	83	255361	55.711	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	293842	52.506	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	494686	109.063	ug/L	97
42) Toluene	7.314	91	740073	54.989	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	273973	53.287	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	198012	59.136	ug/L	98
46) Tetrachloroethene	7.902	164	142811	58.921	ug/L	96
48) 2-Hexanone	8.076	43	413396	107.161	ug/L	95
49) Dibromochloromethane	8.172	129	199461	60.144	ug/L	100
50) 1,2-Dibromoethane	8.278	107	203688	56.502	ug/L	95
51) Chlorobenzene	8.812	112	488136	55.961	ug/L	98
52) Ethylbenzene	8.944	91	790191	52.977	ug/L	99
53) m,p-Xylene	9.069	106	303175	55.193	ug/L	96
54) o-Xylene	9.477	106	296088	54.478	ug/L	100
55) Styrene	9.493	104	531333	57.851	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	325015	59.908	ug/L	99
59) Bromoform	9.661	173	152509	60.857	ug/L	99
60) Isopropylbenzene	9.863	105	801662	50.850	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	254731	53.755	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	639955	62.504	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	639793	50.541	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	388044	52.671	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	399336	53.301	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	405629	55.269	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	62842	48.136	ug/L	90
69) 1,3,5-Trichlorobenzene	12.580	180	276005	51.981	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	218209	44.739	ug/L	98
71) Naphthalene	13.435	128	497225	36.745	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	232382	48.336	ug/L	99

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

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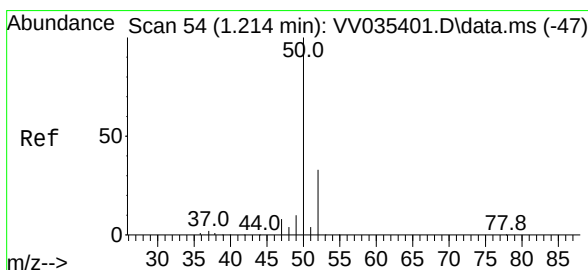
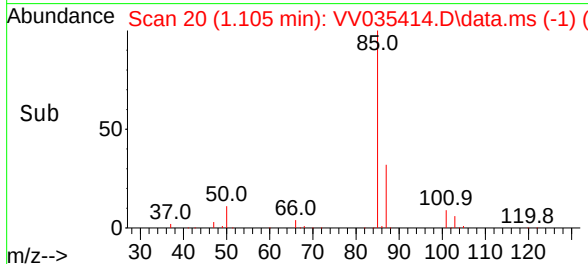
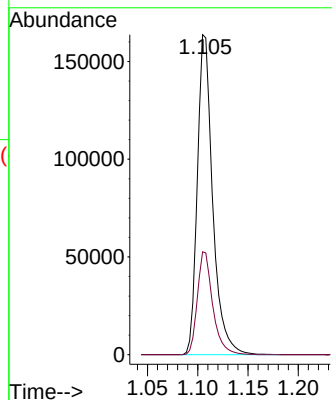
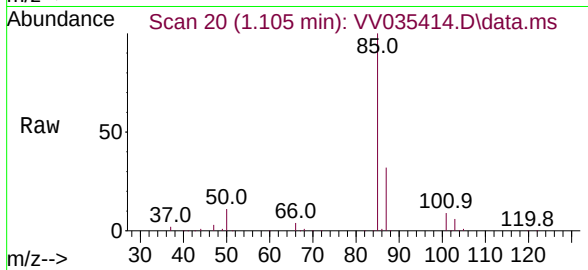




#2
 Dichlorodifluoromethane
 Concen: 60.559 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV035414.D
 Acq: 25 Apr 2024 19:17

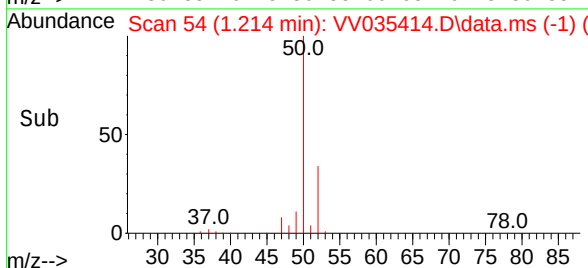
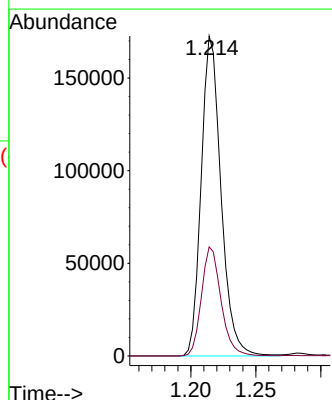
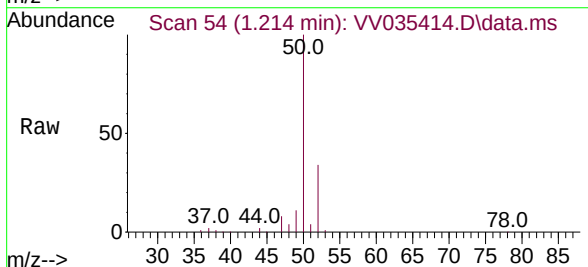
Instrument :
 MSVOA_V
 ClientSampleId :

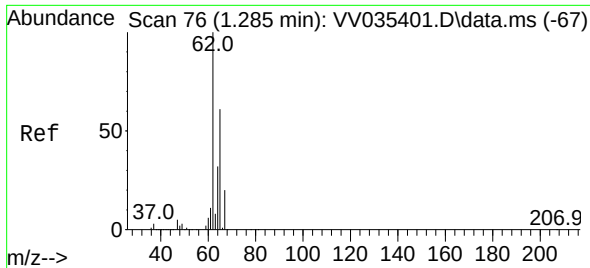
Tgt Ion: 85 Resp: 173963
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.7 38.5



#3
 Chloromethane
 Concen: 49.746 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV035414.D
 Acq: 25 Apr 2024 19:17

Tgt Ion: 50 Resp: 183713
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.0 42.8



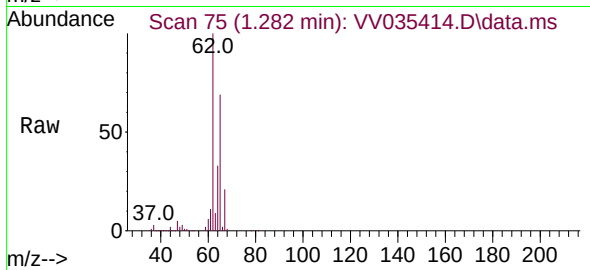


#5
 Vinyl chloride
 Concen: 50.182 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV035414.D
 Acq: 25 Apr 2024 19:17

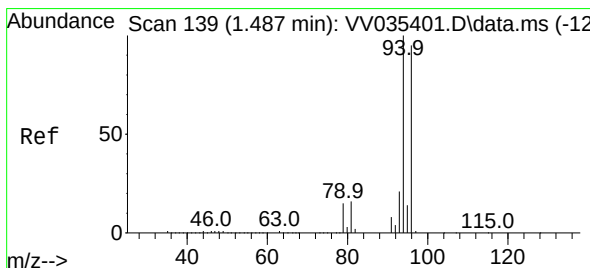
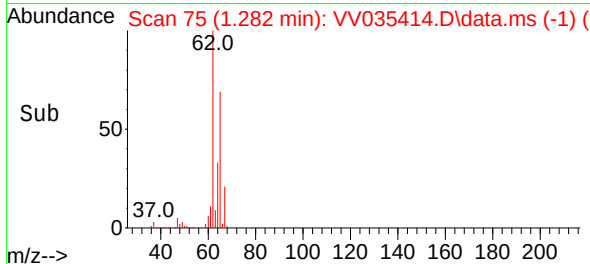
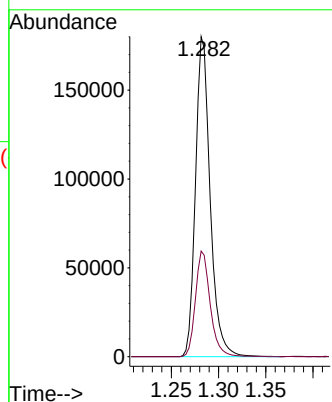
Instrument :

MSVOA_V

ClientSampleId :

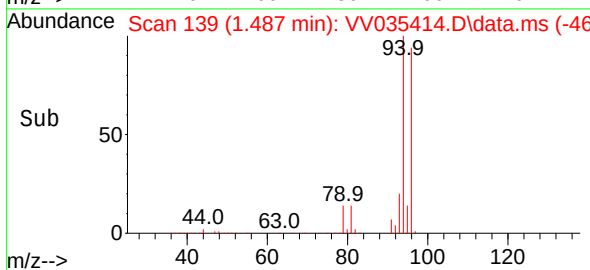
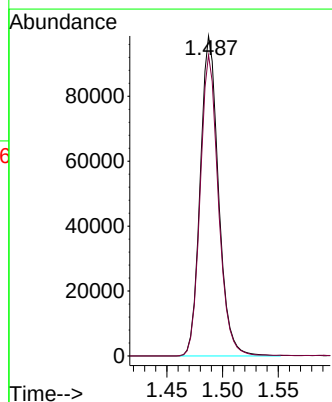
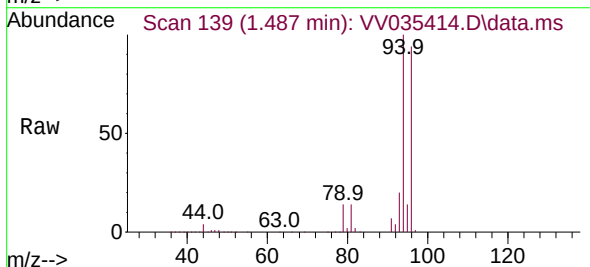


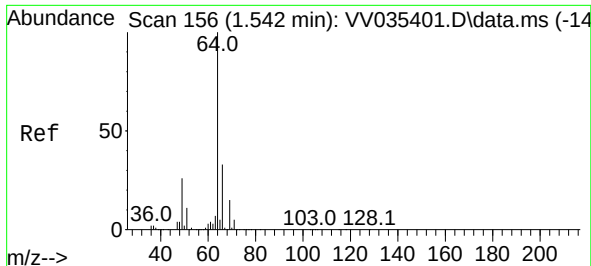
Tgt Ion: 62 Resp: 194282
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.6 43.8



#6
 Bromomethane
 Concen: 38.782 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV035414.D
 Acq: 25 Apr 2024 19:17

Tgt Ion: 94 Resp: 112547
 Ion Ratio Lower Upper
 94 100
 96 94.1 66.3 123.1





#8

Chloroethane

Concen: 47.337 ug/L

RT: 1.545 min Scan# 156

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

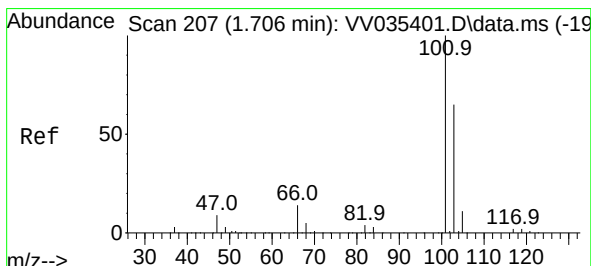
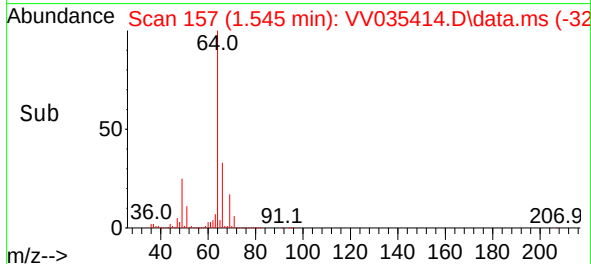
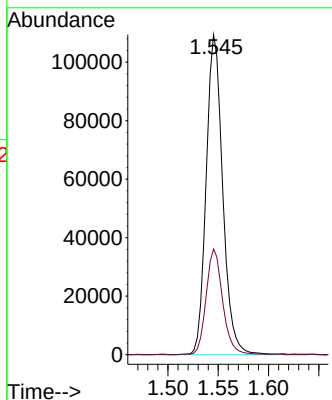
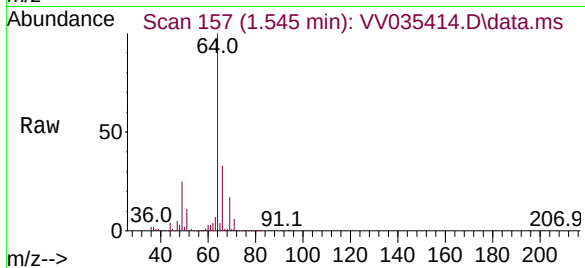
ClientSampleId :

Tgt Ion: 64 Resp: 125164

Ion Ratio Lower Upper

64 100

66 33.1 23.2 43.2



#9

Trichlorofluoromethane

Concen: 51.292 ug/L

RT: 1.706 min Scan# 207

Delta R.T. 0.000 min

Lab File: VV035414.D

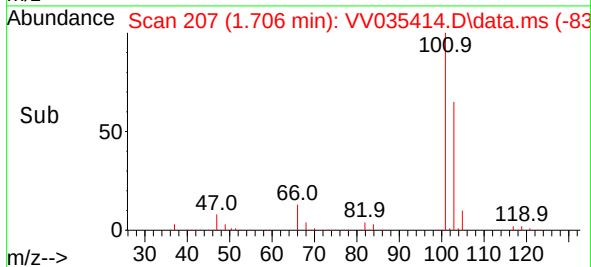
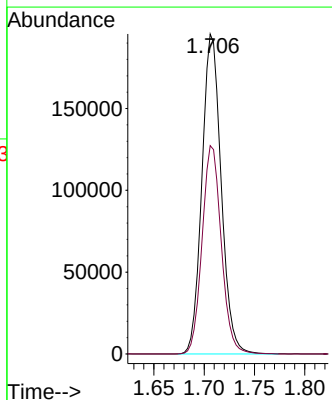
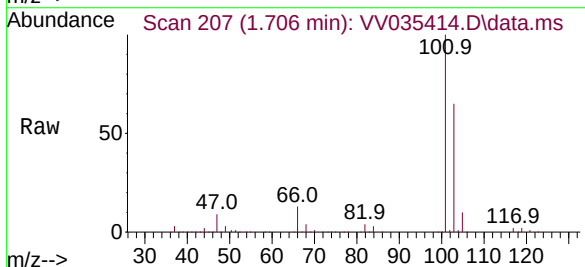
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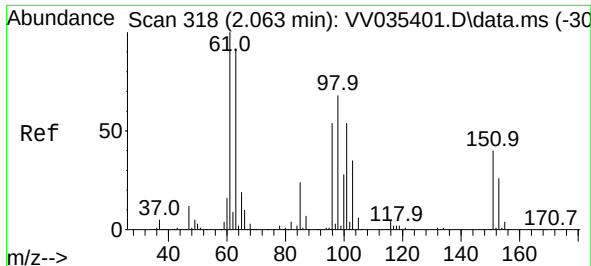
Tgt Ion:101 Resp: 260631

Ion Ratio Lower Upper

101 100

103 64.8 51.6 77.4





#10

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

Concen: 50.288 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

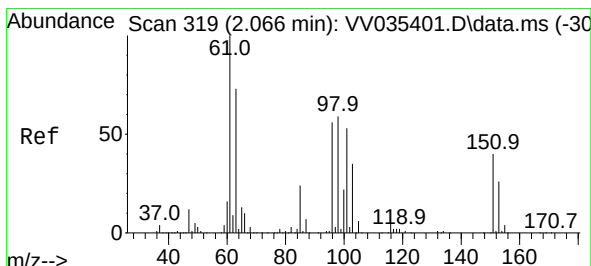
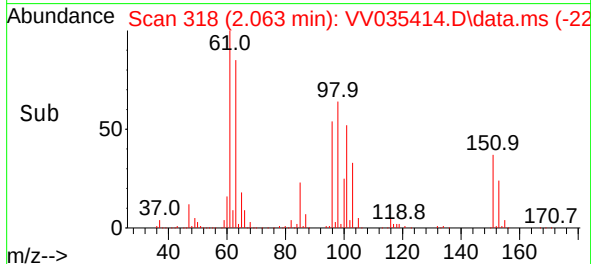
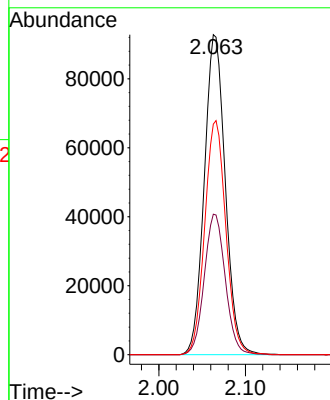
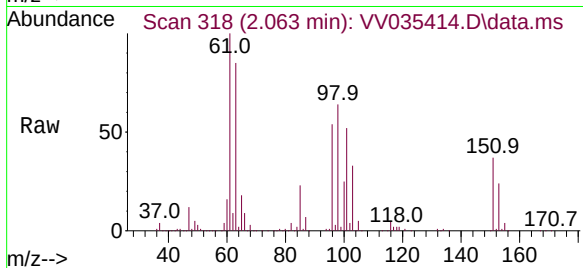
Tgt Ion:101 Resp: 156405

Ion Ratio Lower Upper

101 100

85 44.0 35.3 52.9

151 73.6 55.0 82.4



#12

1,1-Dichloroethene

Concen: 48.875 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

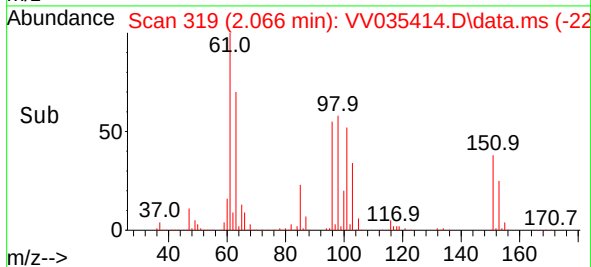
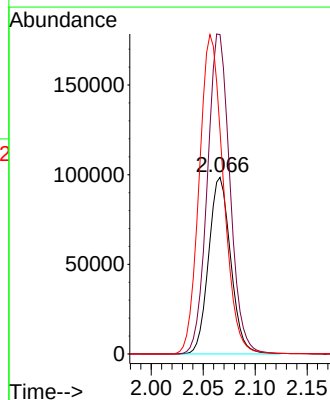
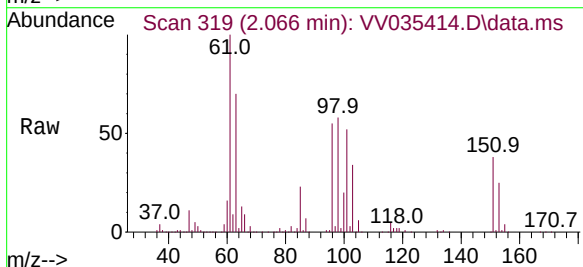
Tgt Ion: 96 Resp: 145384

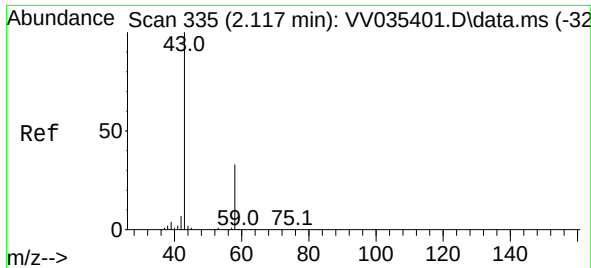
Ion Ratio Lower Upper

96 100

61 180.8 131.5 244.3

63 126.2 111.4 206.8





#13

Acetone

Concen: 89.888 ug/L

RT: 2.124 min Scan# 335

Delta R.T. 0.007 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

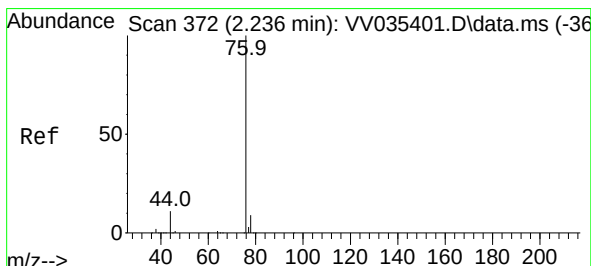
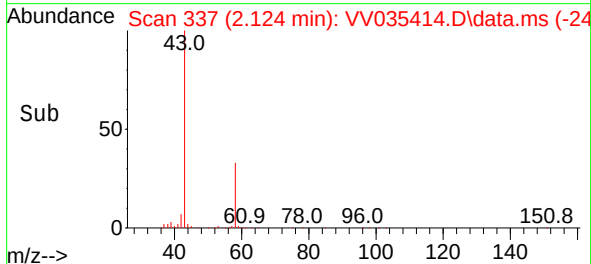
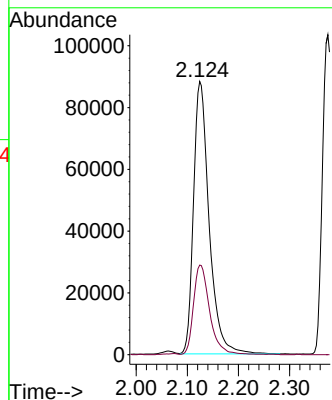
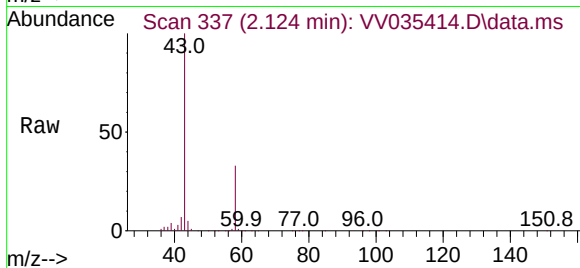
ClientSampleId :

Tgt Ion: 43 Resp: 187342

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.0



#14

Carbon disulfide

Concen: 47.052 ug/L

RT: 2.237 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV035414.D

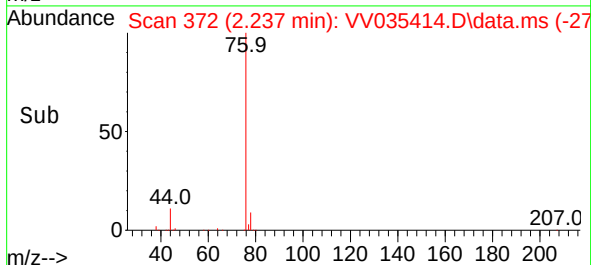
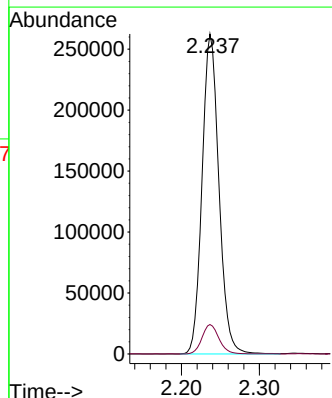
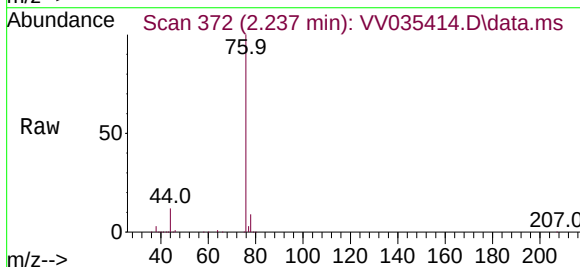
Acq: 25 Apr 2024 19:17

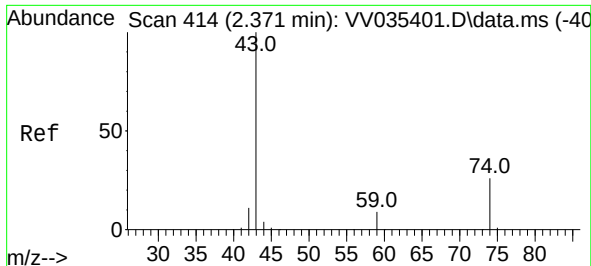
Tgt Ion: 76 Resp: 394141

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

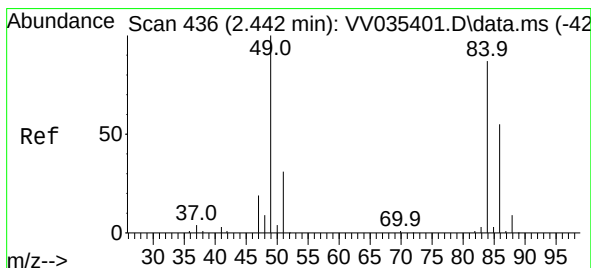
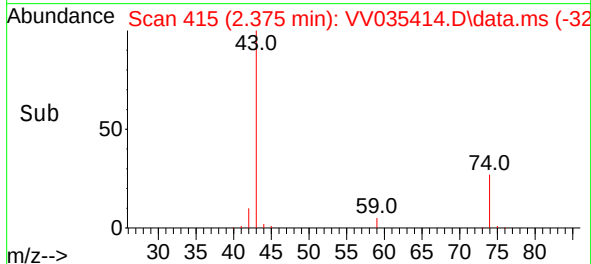
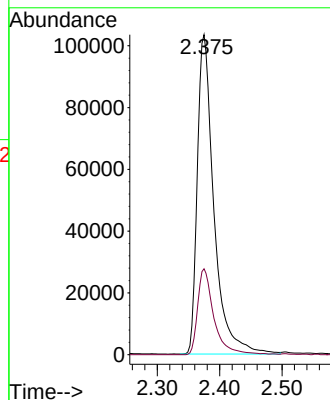
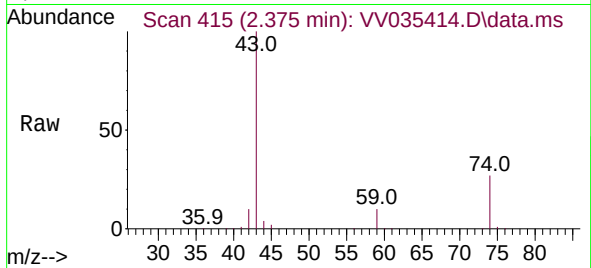




#15
Methyl Acetate
Concen: 58.322 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

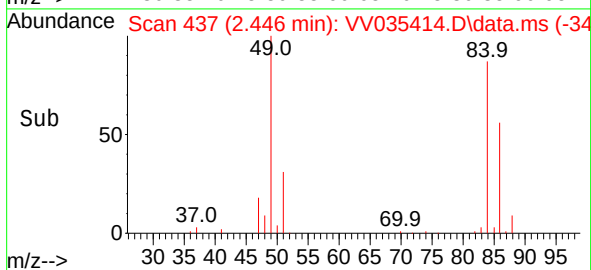
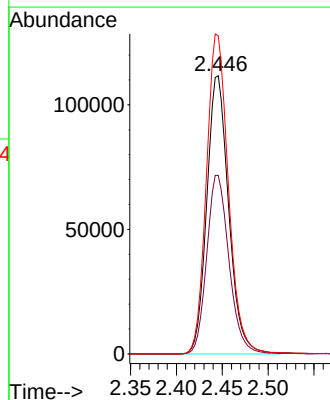
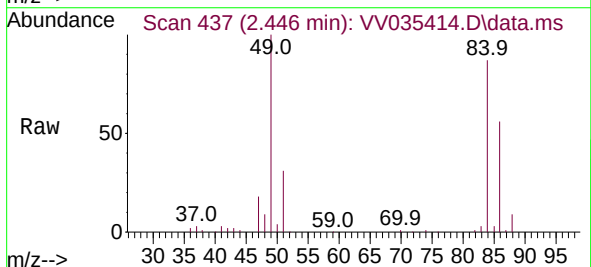
Instrument :
MSVOA_V
ClientSampleId :

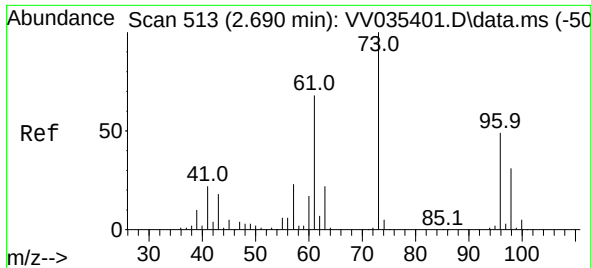
Tgt Ion: 43 Resp: 191549
Ion Ratio Lower Upper
43 100
74 26.2 19.8 29.8



#16
Methylene chloride
Concen: 57.616 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

Tgt Ion: 84 Resp: 185701
Ion Ratio Lower Upper
84 100
86 64.2 44.6 82.8
49 114.3 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 54.588 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

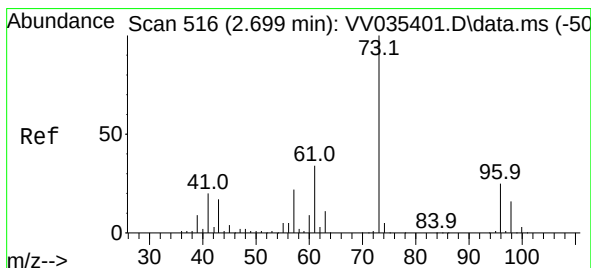
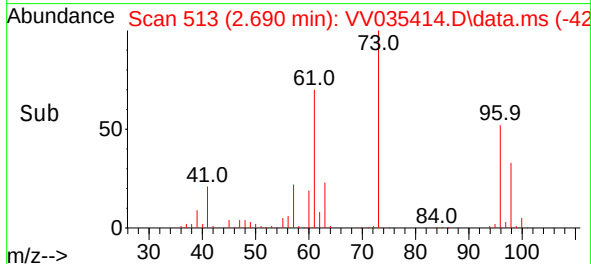
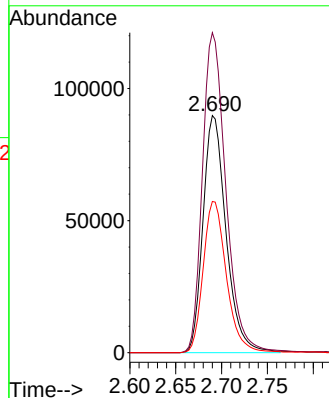
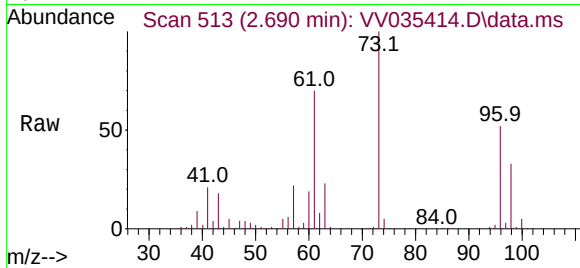
Tgt Ion: 96 Resp: 156988

Ion Ratio Lower Upper

96 100

61 134.9 99.0 183.8

98 63.8 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 54.658 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

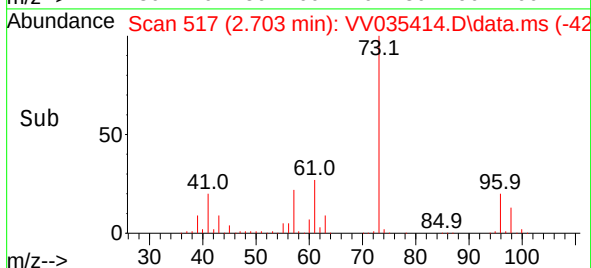
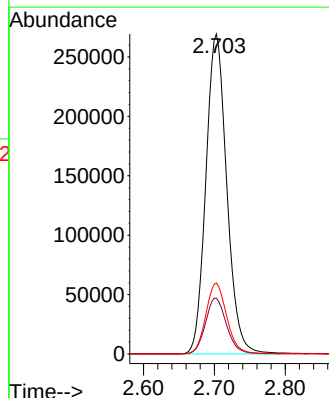
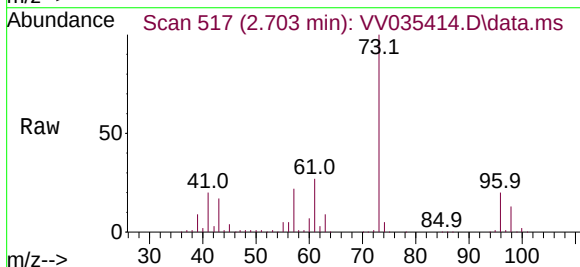
Tgt Ion: 73 Resp: 552121

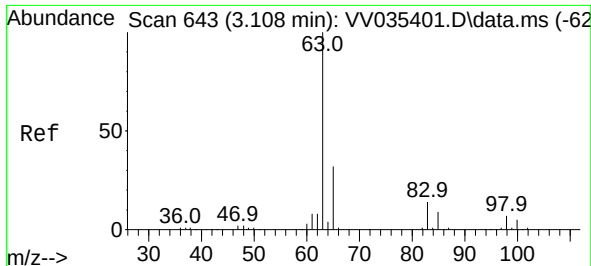
Ion Ratio Lower Upper

73 100

43 17.4 14.6 21.8

57 22.2 17.6 26.4





#19

1,1-Dichloroethane

Concen: 56.599 ug/L

RT: 3.108 min Scan# 643

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

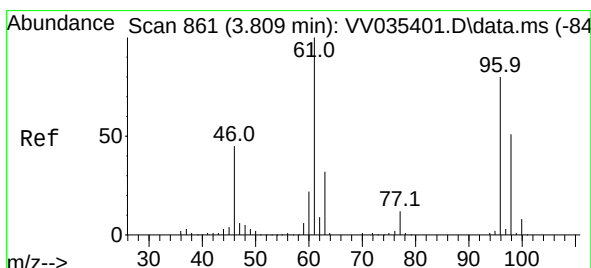
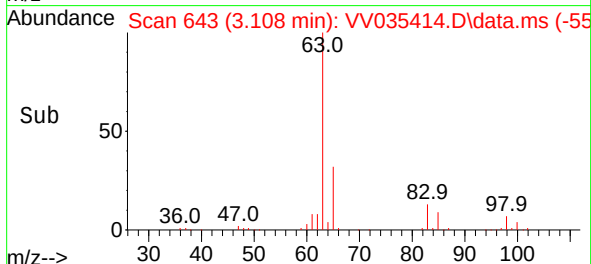
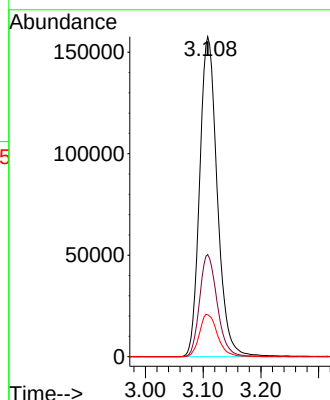
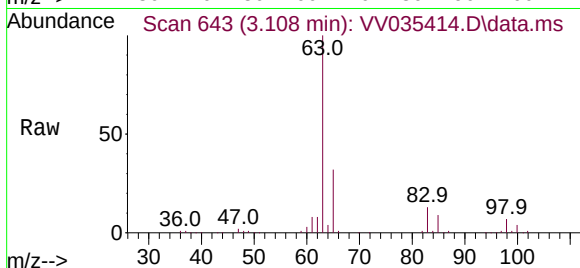
Tgt Ion: 63 Resp: 333794

Ion Ratio Lower Upper

63 100

65 31.9 23.0 42.6

83 13.1 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 56.274 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

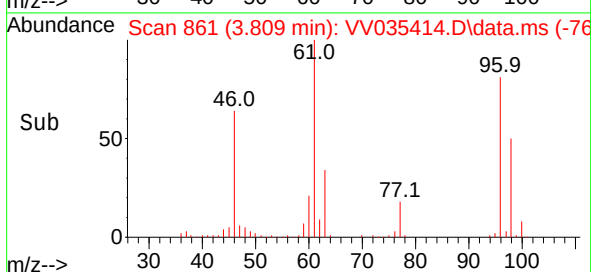
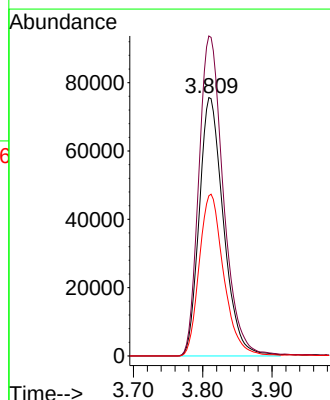
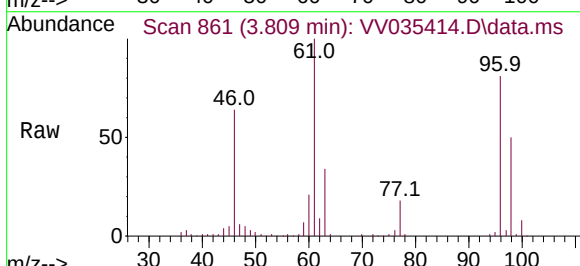
Tgt Ion: 96 Resp: 183774

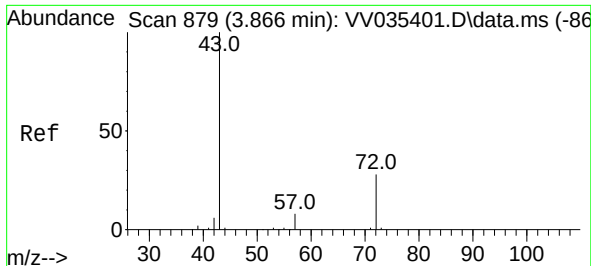
Ion Ratio Lower Upper

96 100

61 123.8 94.9 176.3

98 62.0 45.6 84.8

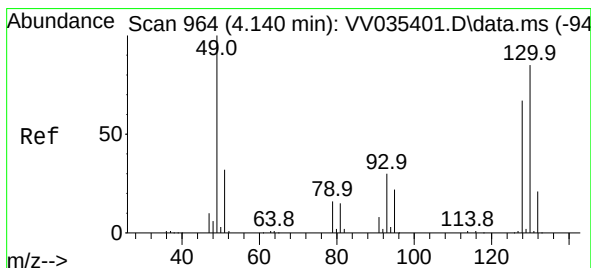
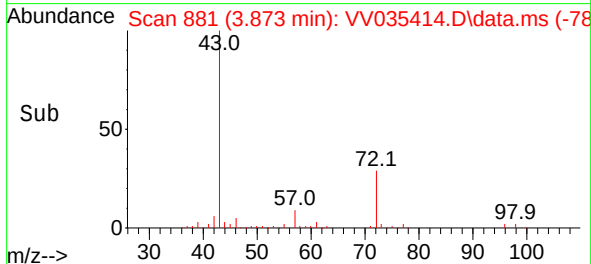
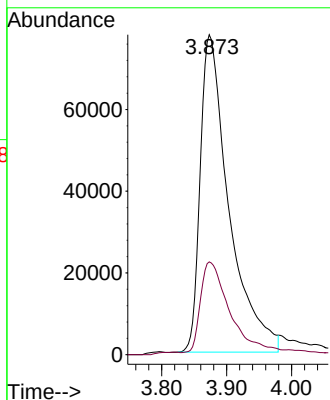
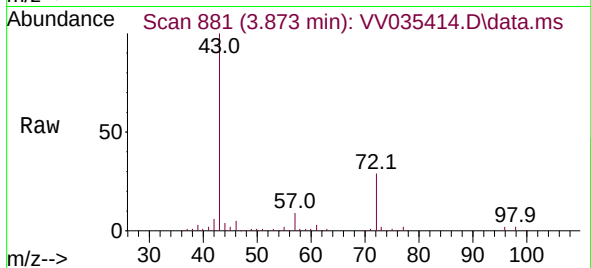




#22
2-Butanone
Concen: 98.844 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.007 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

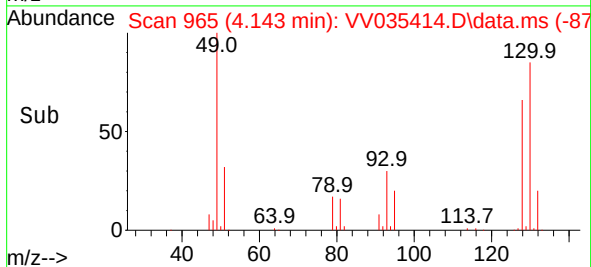
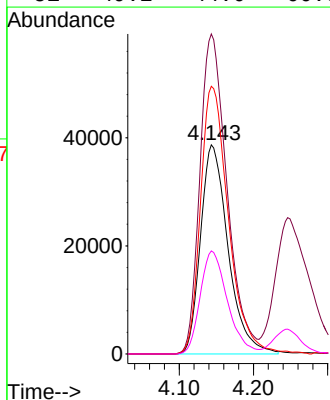
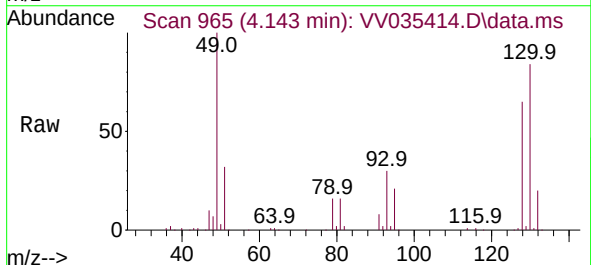
Instrument :
MSVOA_V
ClientSampleId :

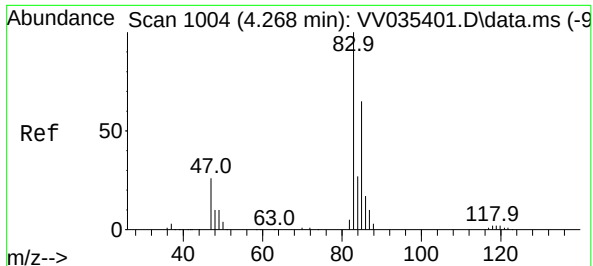
Tgt Ion: 43 Resp: 239050
Ion Ratio Lower Upper
43 100
72 28.7 13.2 39.6



#23
Bromochloromethane
Concen: 61.054 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

Tgt Ion: 128 Resp: 99757
Ion Ratio Lower Upper
128 100
49 153.0 123.8 229.8
130 128.0 93.2 173.0
51 49.2 44.0 66.0





#25

Chloroform

Concen: 58.480 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

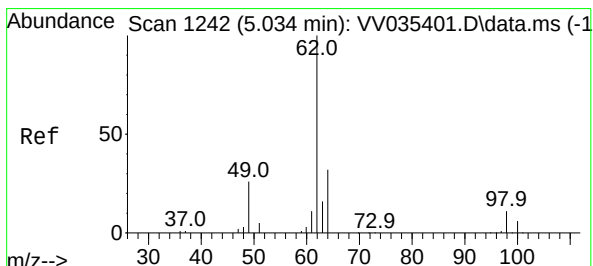
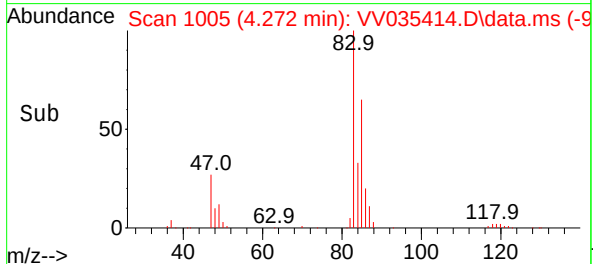
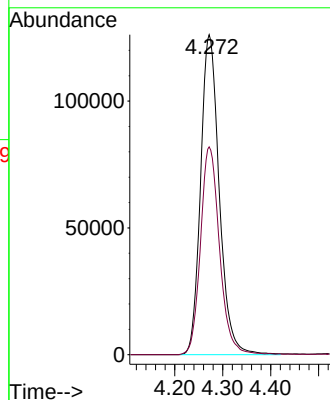
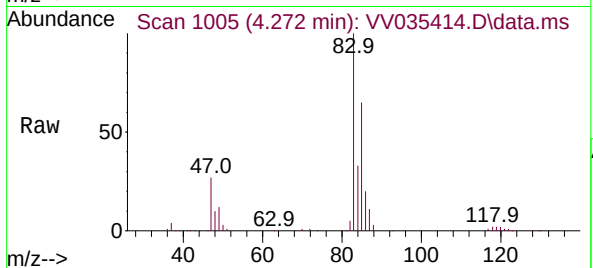
ClientSampleId :

Tgt Ion: 83 Resp: 340983

Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4



#27

1,2-Dichloroethane

Concen: 54.976 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV035414.D

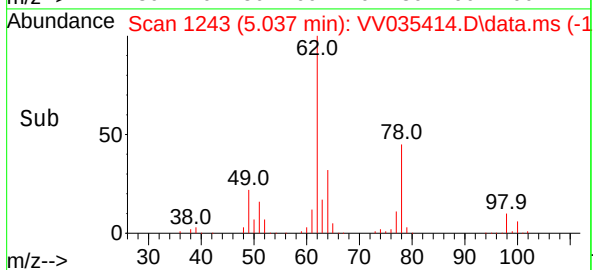
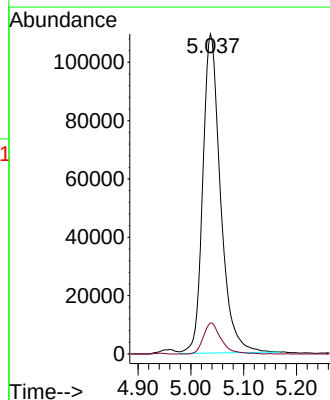
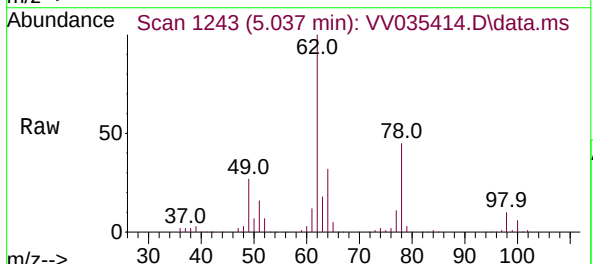
Acq: 25 Apr 2024 19:17

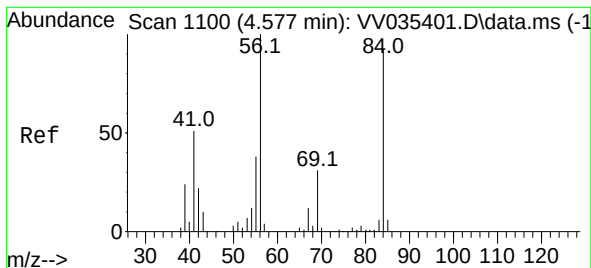
Tgt Ion: 62 Resp: 255219

Ion Ratio Lower Upper

62 100

98 9.7 7.2 10.8





#29

Cyclohexane

Concen: 46.807 ug/L

RT: 4.580 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

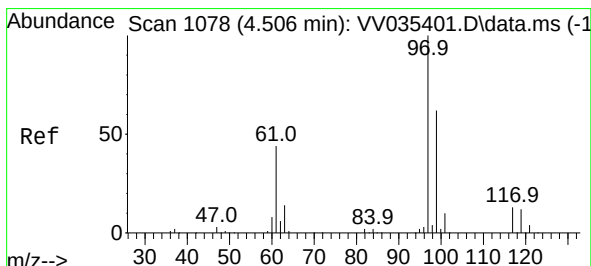
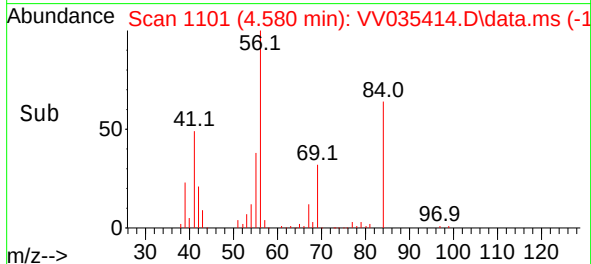
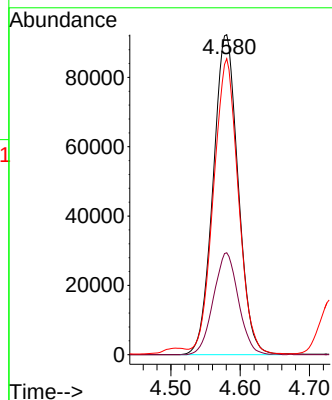
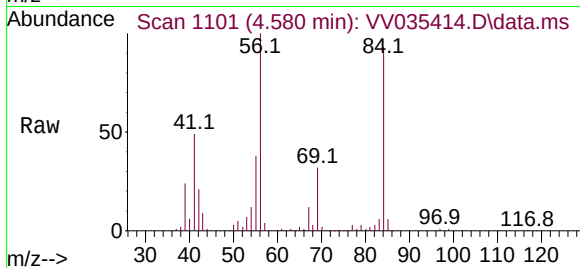
Tgt Ion: 56 Resp: 231114

Ion Ratio Lower Upper

56 100

69 31.9 24.2 36.2

84 91.2 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 55.840 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

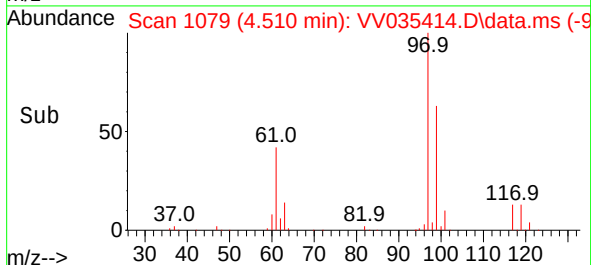
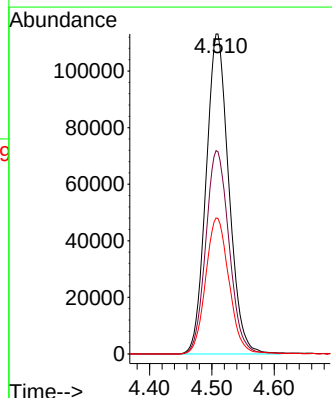
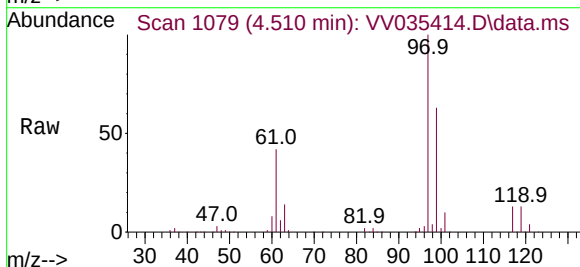
Tgt Ion: 97 Resp: 286946

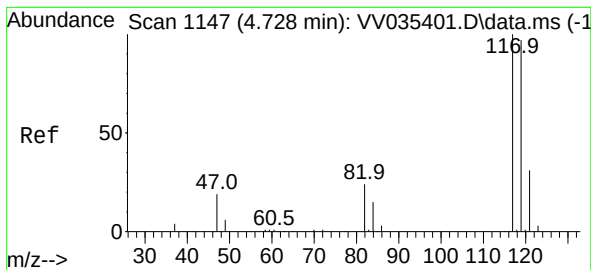
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.4

61 43.6 36.8 55.2





#31

Carbon tetrachloride

Concen: 57.121 ug/L

RT: 4.732 min Scan# 1147

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

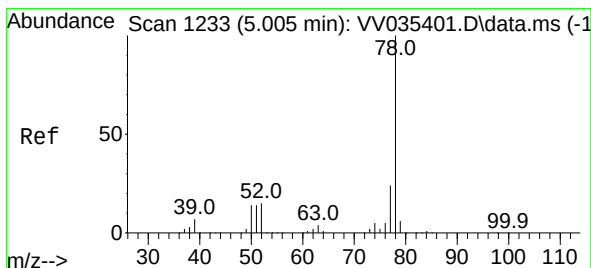
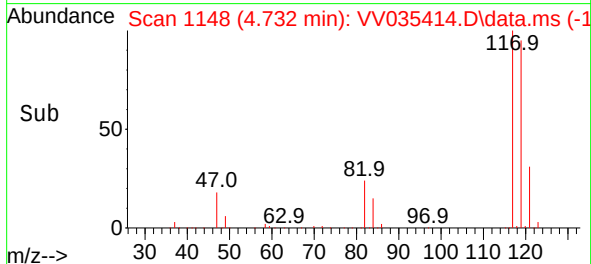
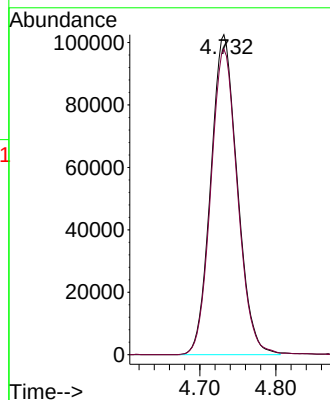
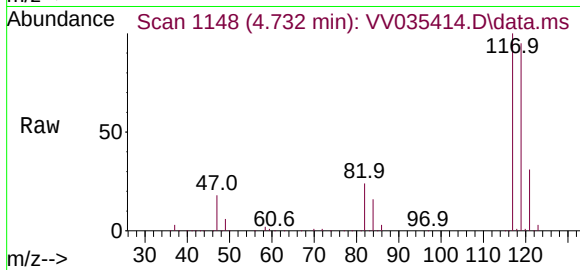
ClientSampleId :

Tgt Ion:117 Resp: 248792

Ion Ratio Lower Upper

117 100

119 95.9 77.1 115.7



#33

Benzene

Concen: 54.526 ug/L

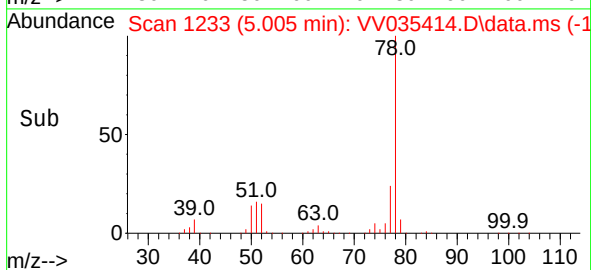
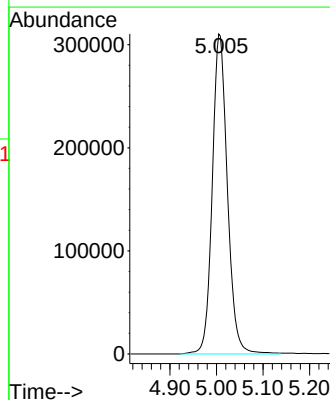
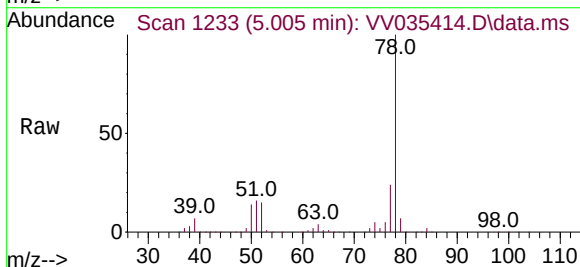
RT: 5.005 min Scan# 1233

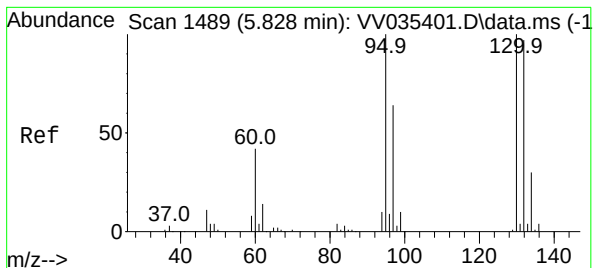
Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Tgt Ion: 78 Resp: 700946





#34

Trichloroethene

Concen: 51.427 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 178415

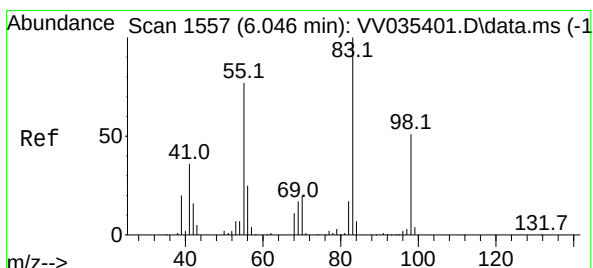
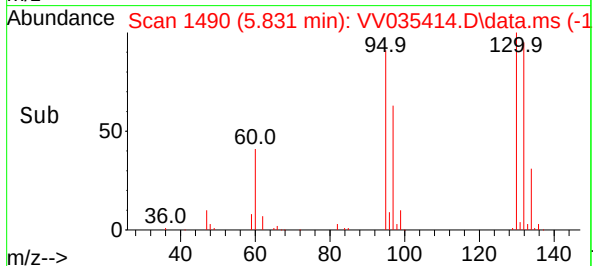
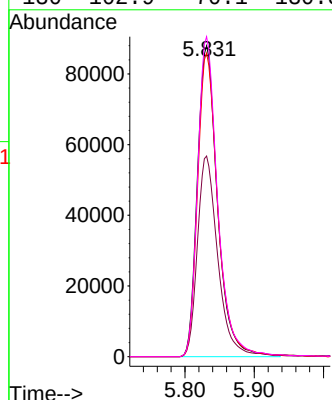
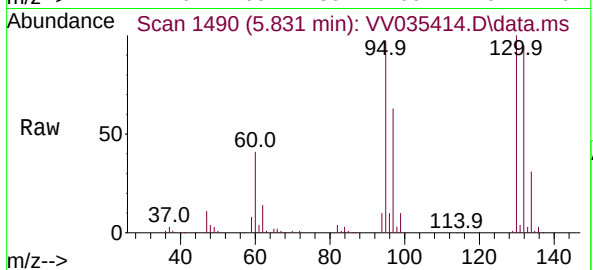
Ion Ratio Lower Upper

95 100

97 64.5 45.3 84.1

132 97.7 65.3 121.3

130 102.9 70.1 130.3



#35

Methylcyclohexane

Concen: 48.445 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

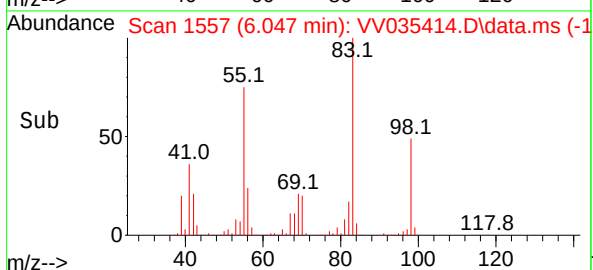
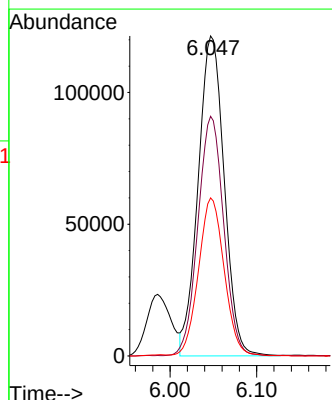
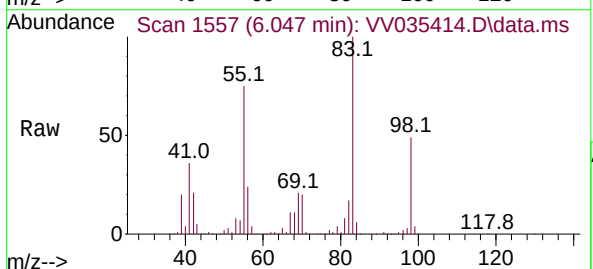
Tgt Ion: 83 Resp: 253826

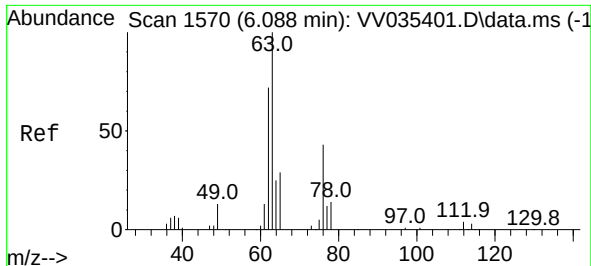
Ion Ratio Lower Upper

83 100

55 74.0 60.0 90.0

98 48.7 37.6 56.4

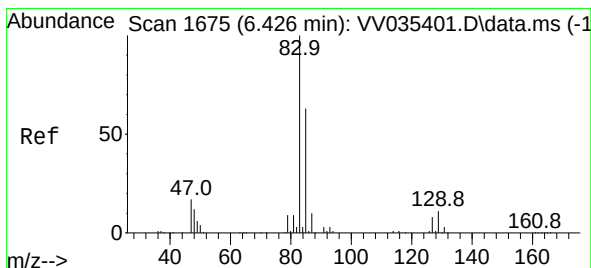
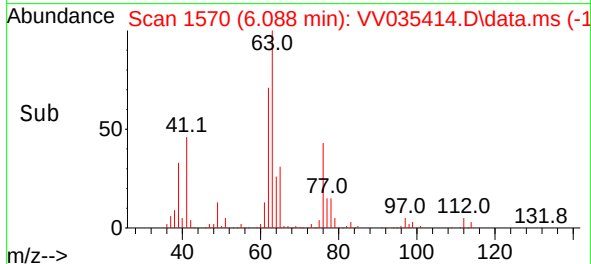
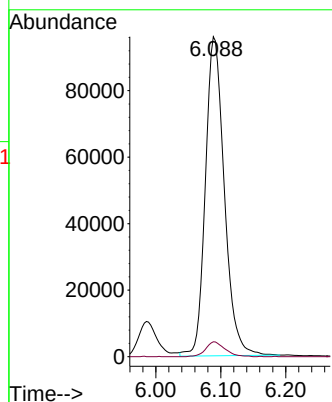
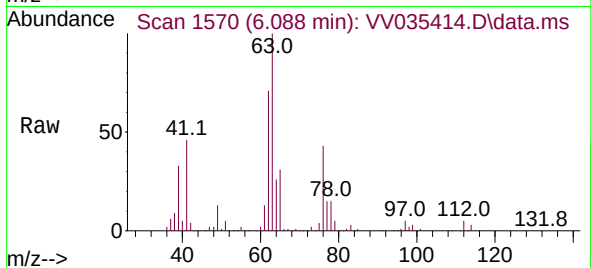




#37
1,2-Dichloropropane
Concen: 54.844 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

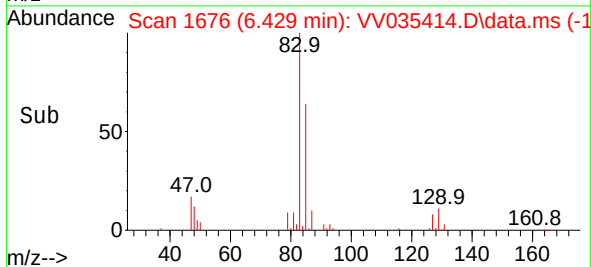
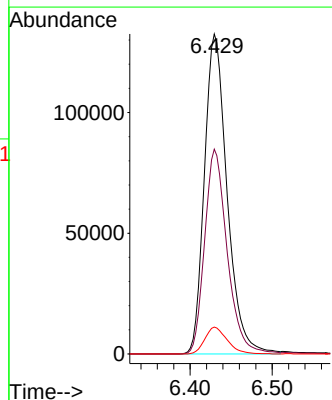
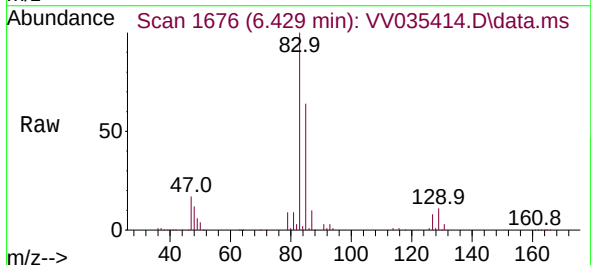
Instrument :
MSVOA_V
ClientSampleId :

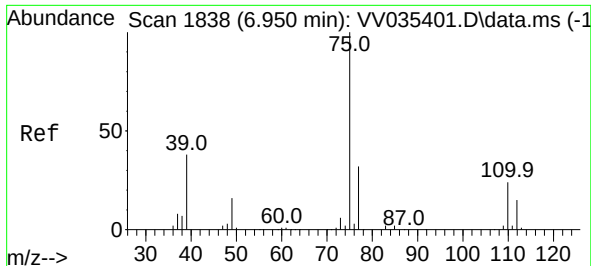
Tgt Ion: 63 Resp: 194838
Ion Ratio Lower Upper
63 100
112 4.8 3.3 4.9



#38
Bromodichloromethane
Concen: 55.711 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

Tgt Ion: 83 Resp: 255361
Ion Ratio Lower Upper
83 100
85 64.0 43.7 81.1
127 8.4 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 52.506 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

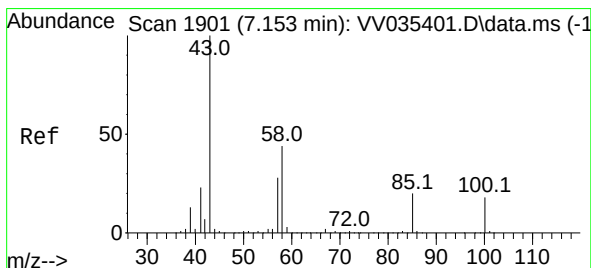
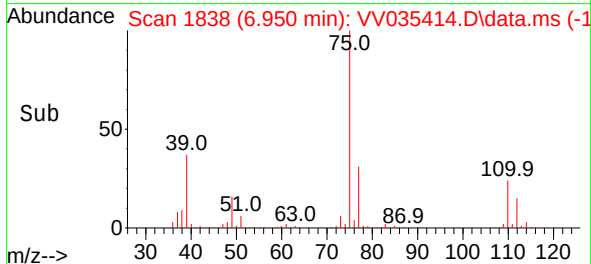
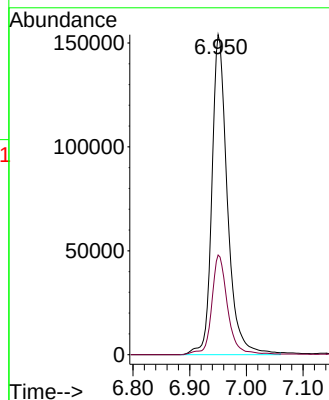
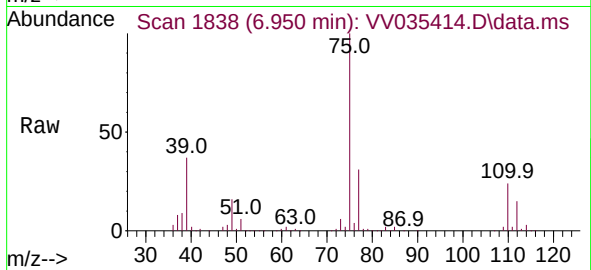
ClientSampleId :

Tgt Ion: 75 Resp: 293842

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 109.063 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

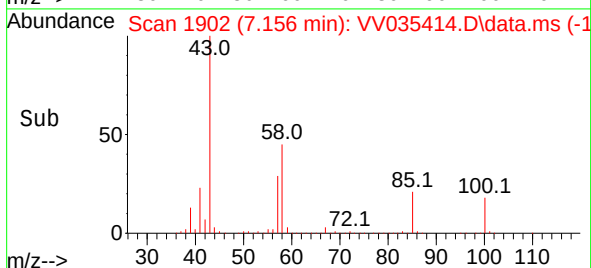
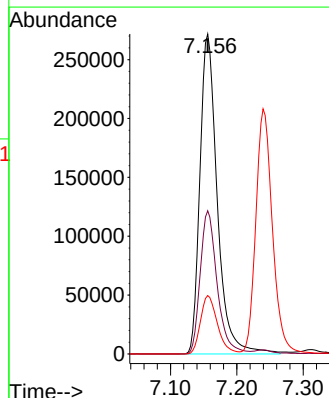
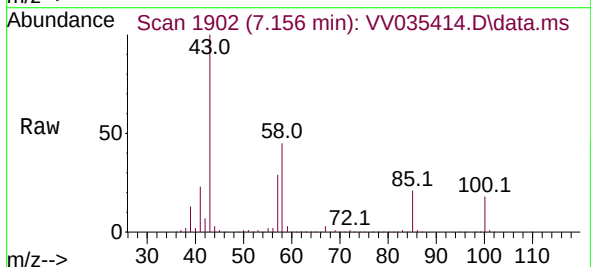
Tgt Ion: 43 Resp: 494686

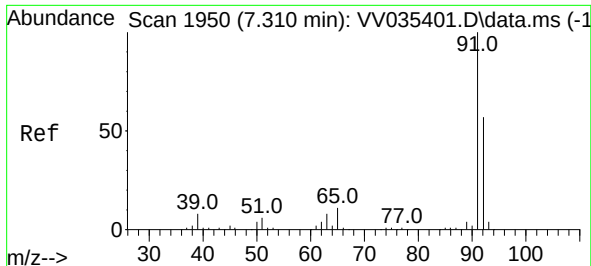
Ion Ratio Lower Upper

43 100

58 43.7 33.8 50.8

100 17.8 13.0 19.4





#42

Toluene

Concen: 54.989 ug/L

RT: 7.314 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

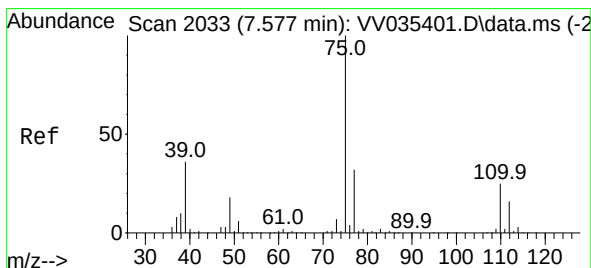
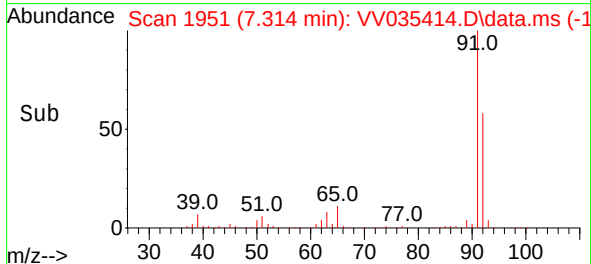
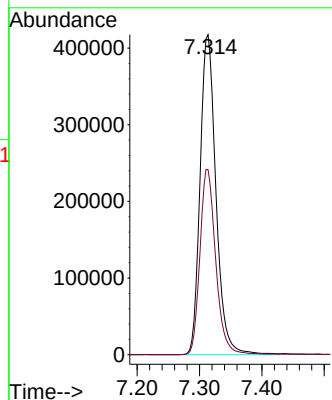
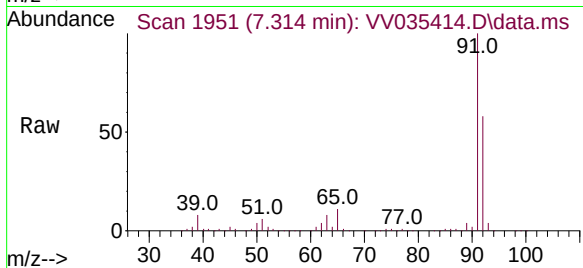
ClientSampleId :

Tgt Ion: 91 Resp: 740073

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 53.287 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035414.D

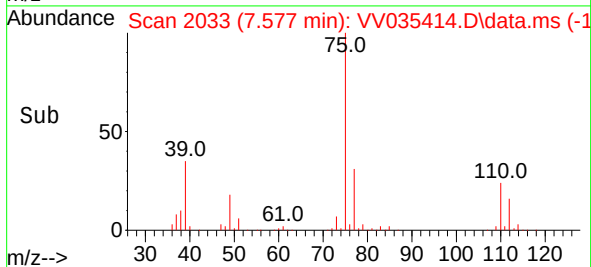
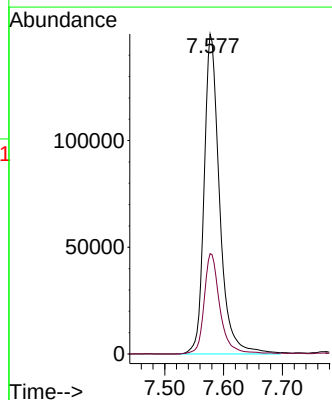
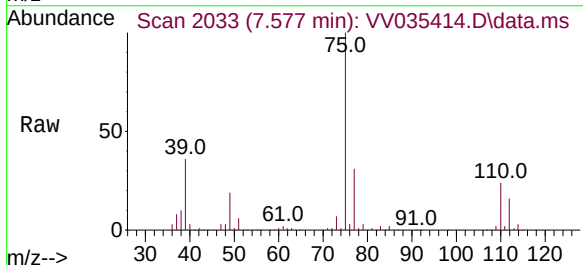
Acq: 25 Apr 2024 19:17

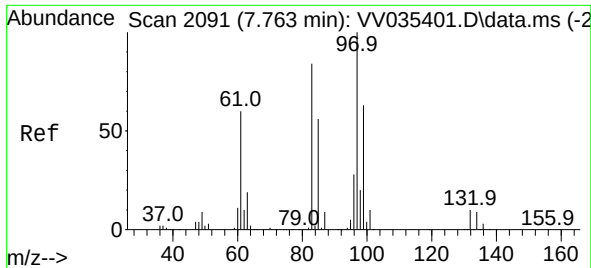
Tgt Ion: 75 Resp: 273973

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 59.136 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 198012

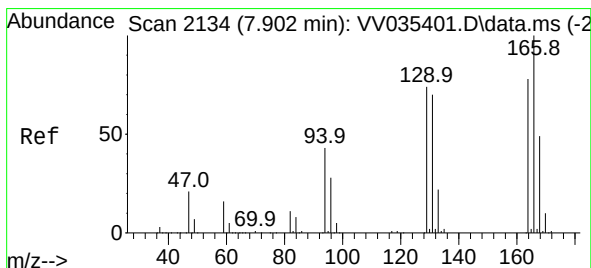
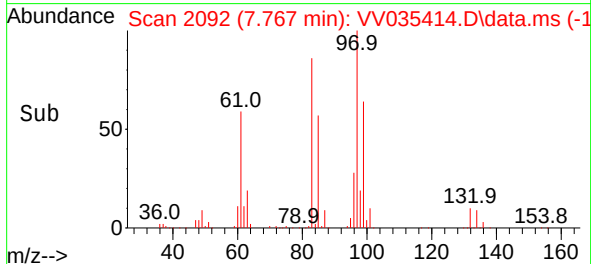
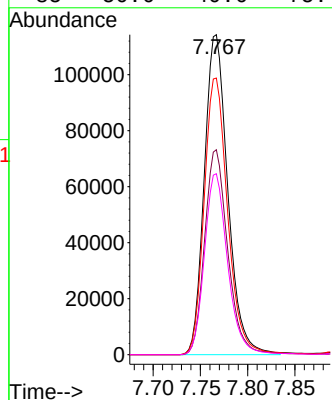
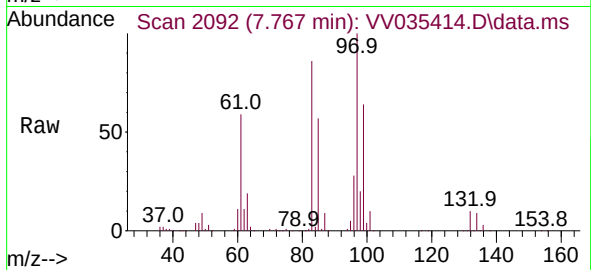
Ion Ratio Lower Upper

97 100

99 64.0 43.3 80.3

83 86.5 61.6 114.4

85 56.6 40.6 75.4



#46

Tetrachloroethene

Concen: 58.921 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Tgt Ion:164 Resp: 142811

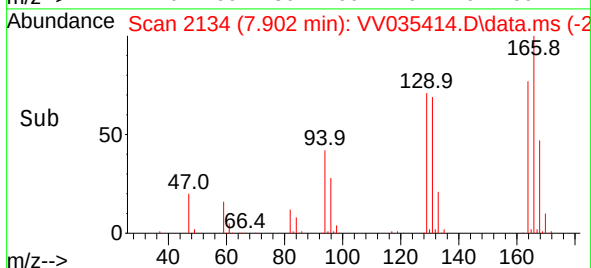
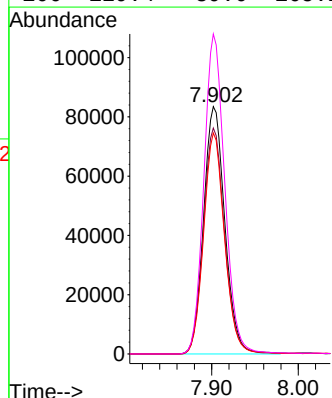
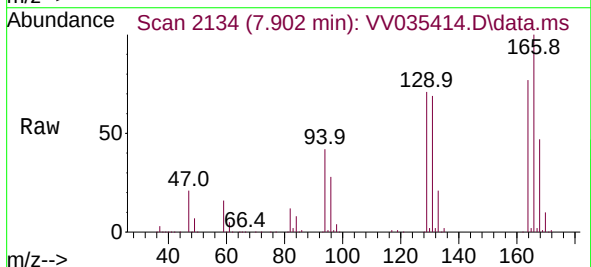
Ion Ratio Lower Upper

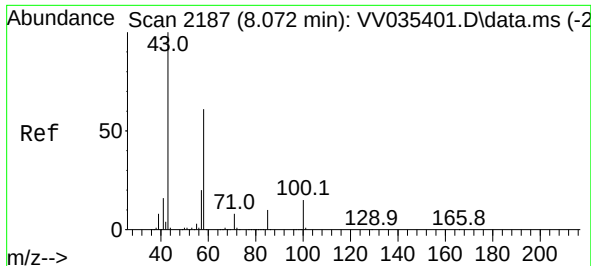
164 100

129 91.3 68.6 127.4

131 89.3 65.7 122.1

166 129.4 89.0 165.2





#48

2-Hexanone

Concen: 107.161 ug/L

RT: 8.076 min Scan# 2187

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 413396

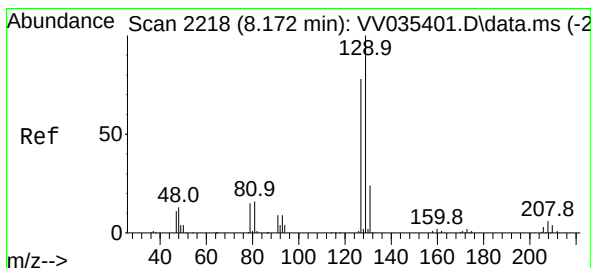
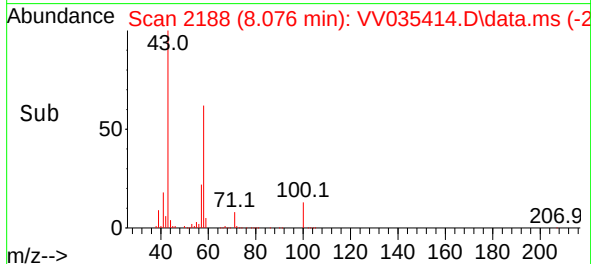
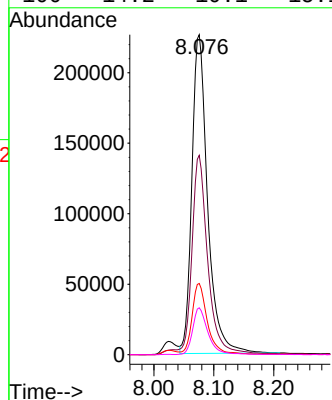
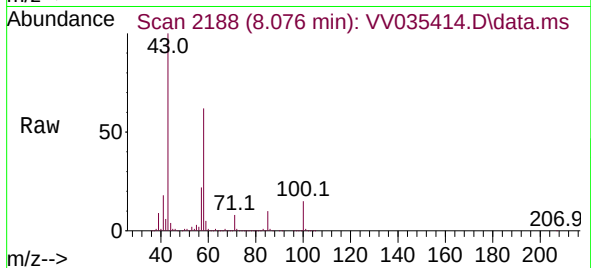
Ion Ratio Lower Upper

43 100

58 61.0 45.4 68.2

57 22.1 16.2 24.4

100 14.2 10.1 15.1



#49

Dibromochloromethane

Concen: 60.144 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV035414.D

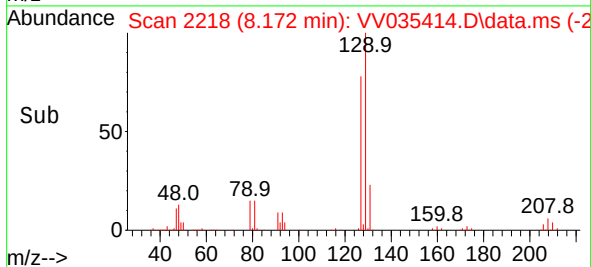
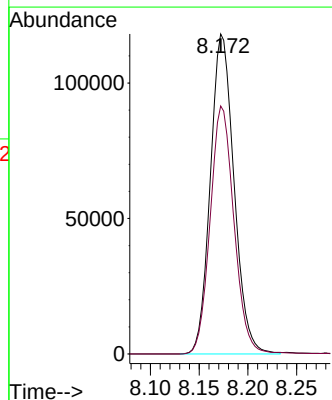
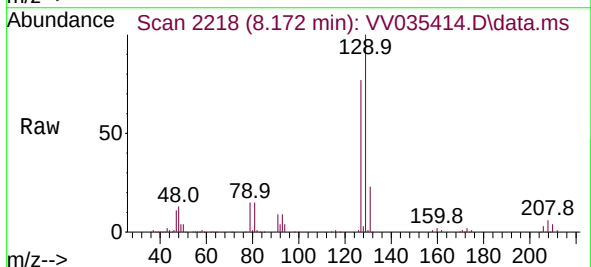
Acq: 25 Apr 2024 19:17

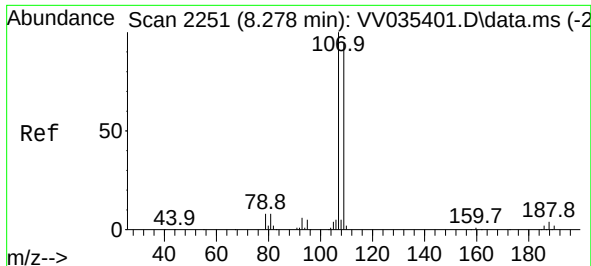
Tgt Ion:129 Resp: 199461

Ion Ratio Lower Upper

129 100

127 77.5 54.1 100.5

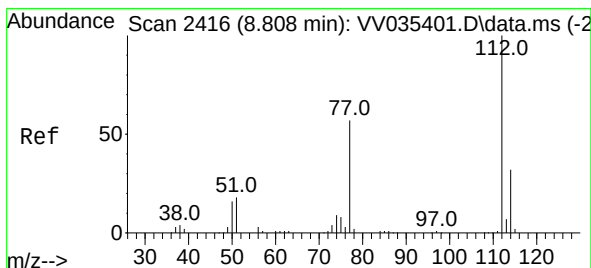
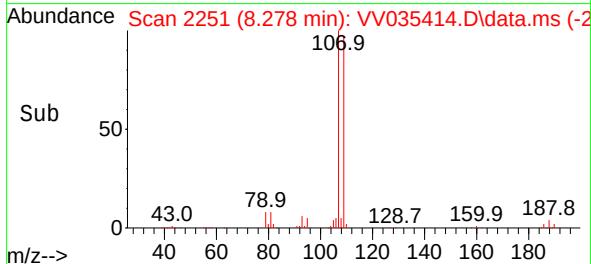
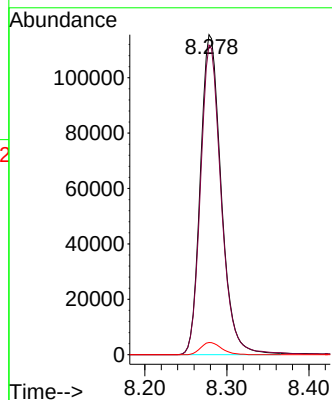
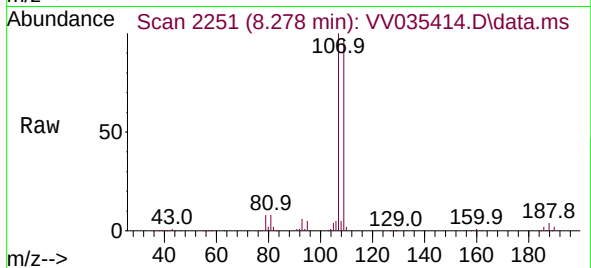




#50
1,2-Dibromoethane
Concen: 56.502 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

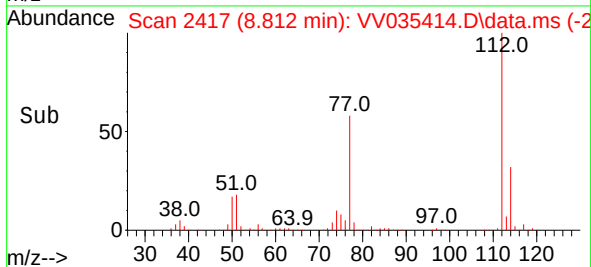
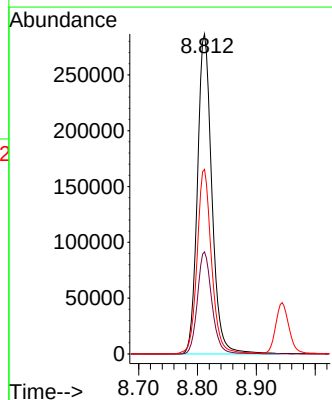
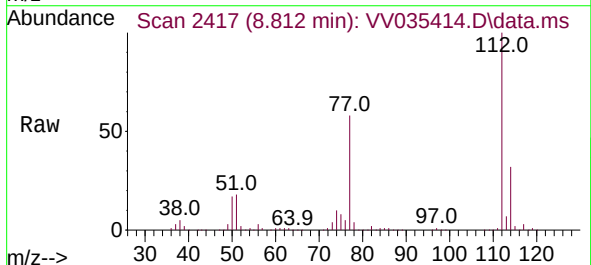
Instrument :
MSVOA_V
ClientSampleId :

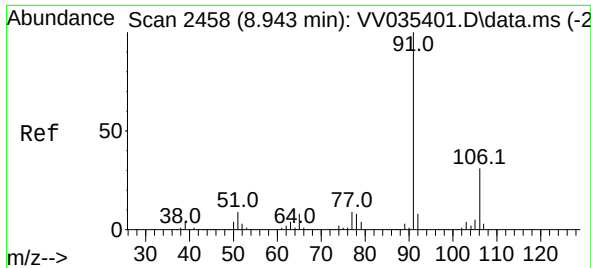
Tgt Ion:107 Resp: 203688
Ion Ratio Lower Upper
107 100
109 96.7 64.5 119.9
188 3.8 2.8 4.2



#51
Chlorobenzene
Concen: 55.961 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

Tgt Ion:112 Resp: 488136
Ion Ratio Lower Upper
112 100
114 31.9 22.0 41.0
77 57.7 47.4 71.2





#52

Ethylbenzene

Concen: 52.977 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

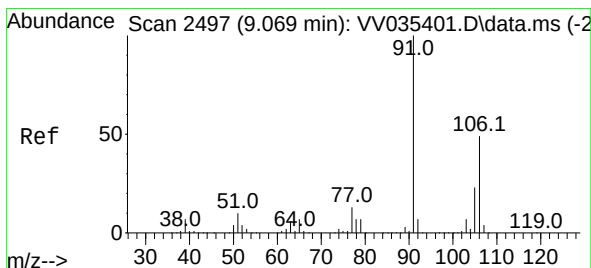
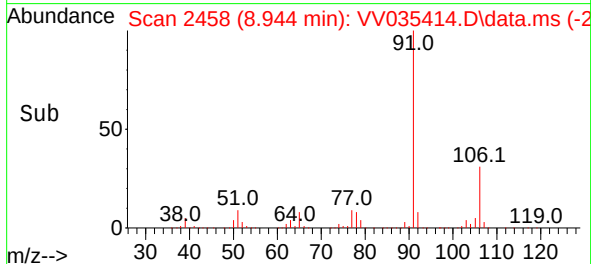
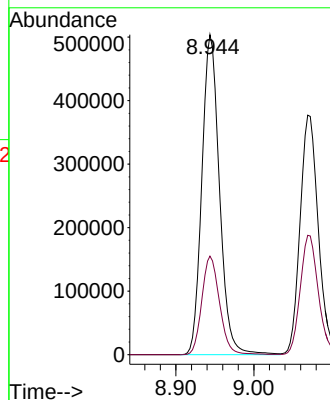
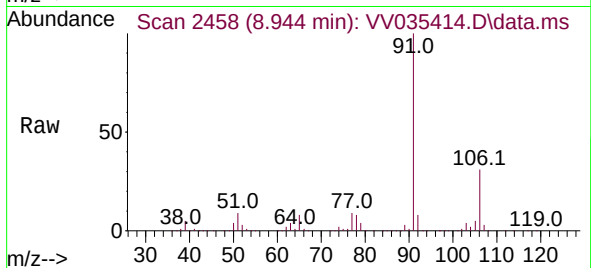
ClientSampleId :

Tgt Ion: 91 Resp: 790191

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



#53

m,p-Xylene

Concen: 55.193 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV035414.D

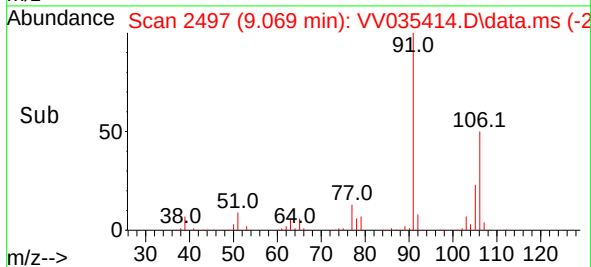
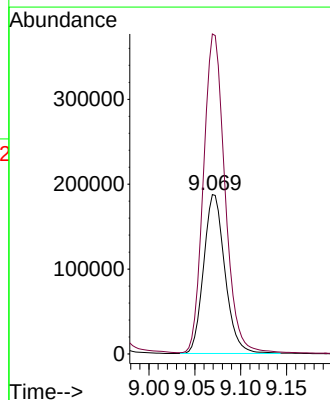
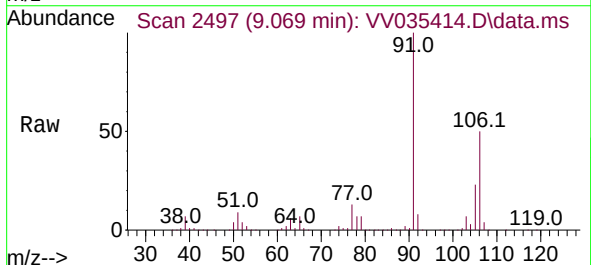
Acq: 25 Apr 2024 19:17

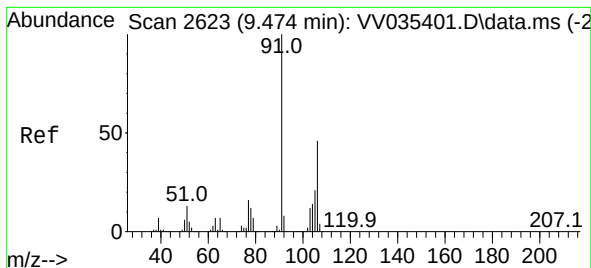
Tgt Ion:106 Resp: 303175

Ion Ratio Lower Upper

106 100

91 200.7 144.8 269.0





#54

o-Xylene

Concen: 54.478 ug/L

RT: 9.477 min Scan# 20

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

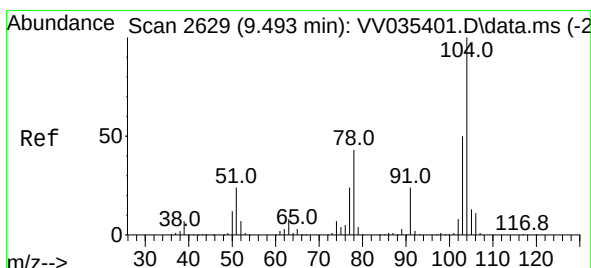
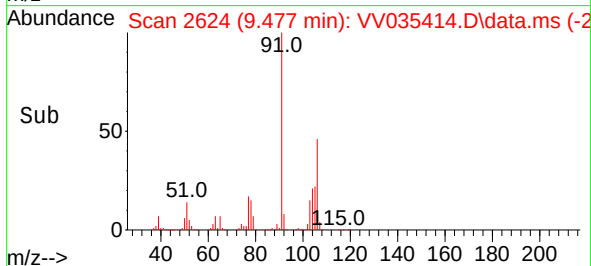
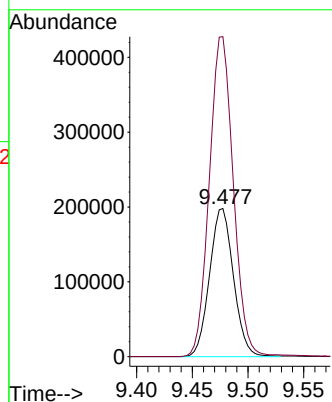
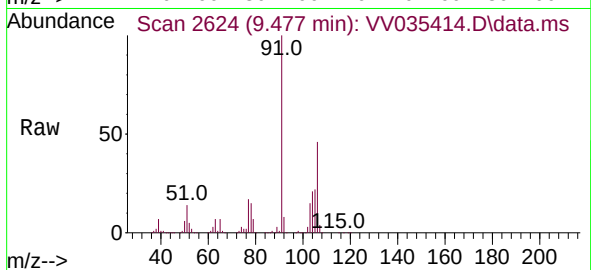
ClientSampleId :

Tgt Ion:106 Resp: 296088

Ion Ratio Lower Upper

106 100

91 216.0 151.3 280.9



#55

Styrene

Concen: 57.851 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV035414.D

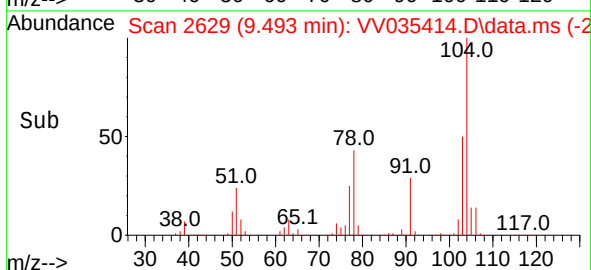
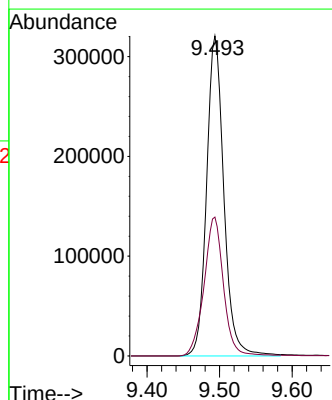
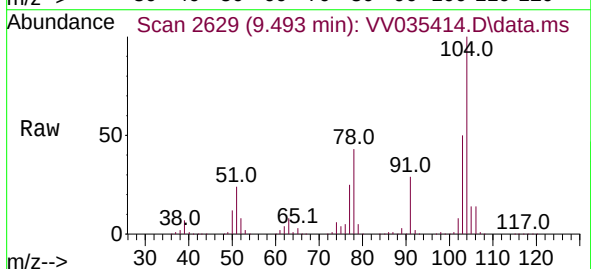
Acq: 25 Apr 2024 19:17

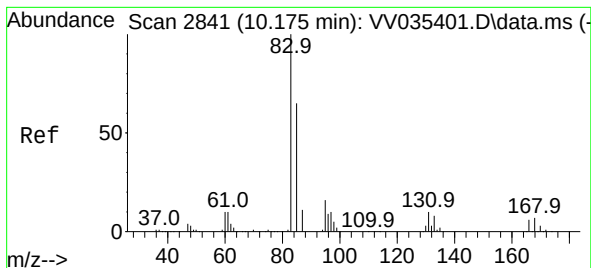
Tgt Ion:104 Resp: 531333

Ion Ratio Lower Upper

104 100

78 43.4 31.5 58.5

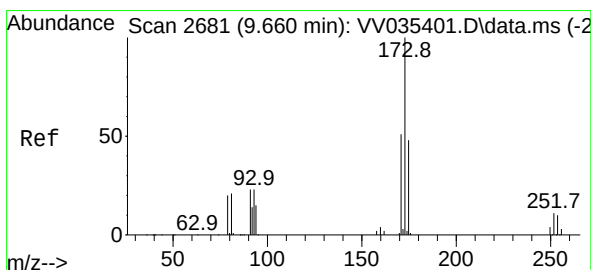
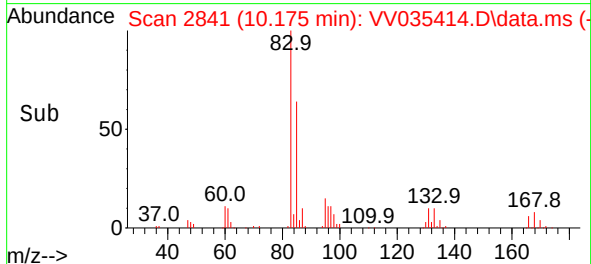
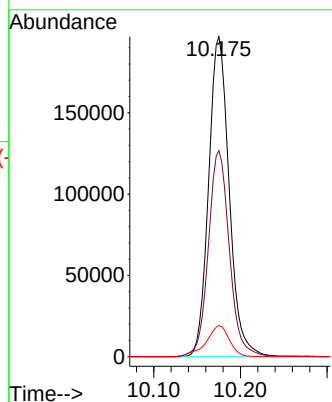
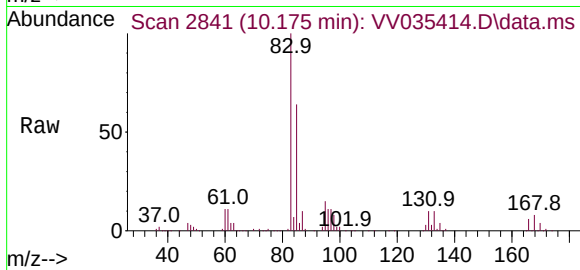




#57
1,1,2,2-Tetrachloroethane
Concen: 59.908 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

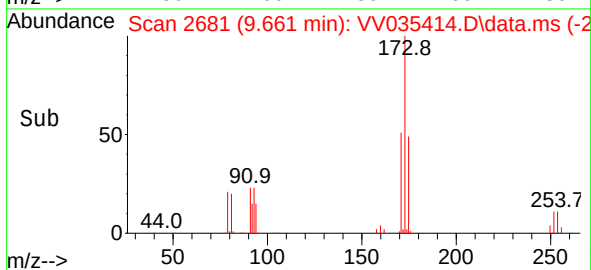
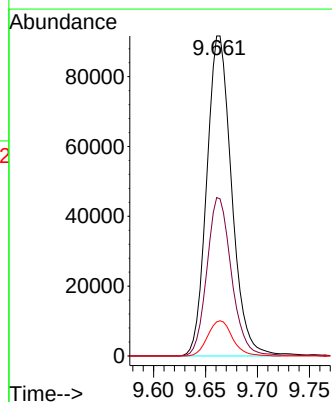
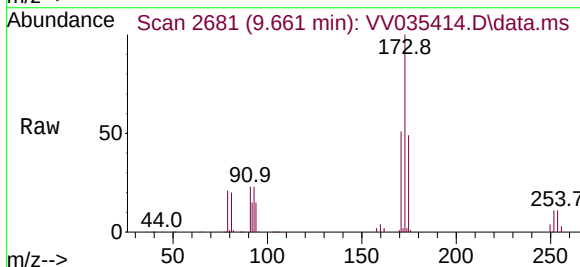
Instrument :
MSVOA_V
ClientSampleId :

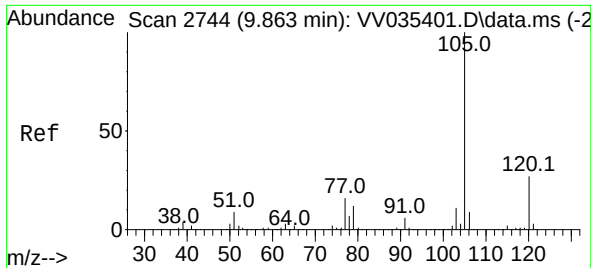
Tgt Ion: 83 Resp: 325015
Ion Ratio Lower Upper
83 100
85 64.4 44.5 82.7
131 9.7 6.9 10.3



#59
Bromoform
Concen: 60.857 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

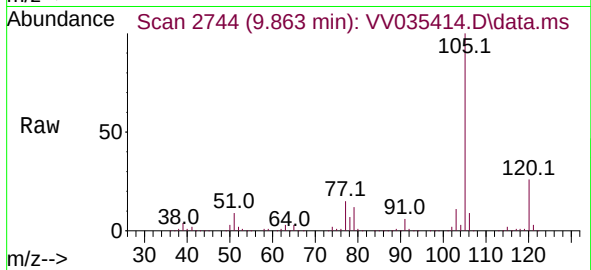
Tgt Ion: 173 Resp: 152509
Ion Ratio Lower Upper
173 100
175 48.8 39.3 58.9
254 10.9 7.5 11.3



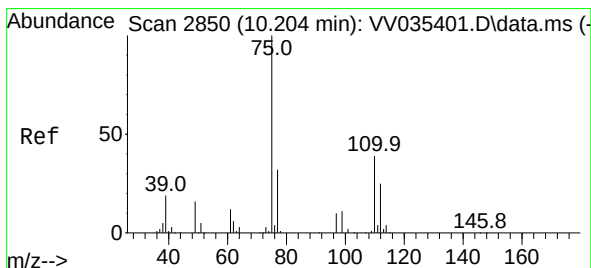
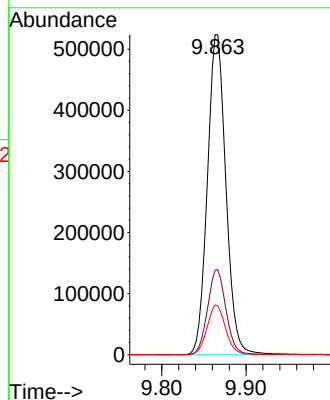
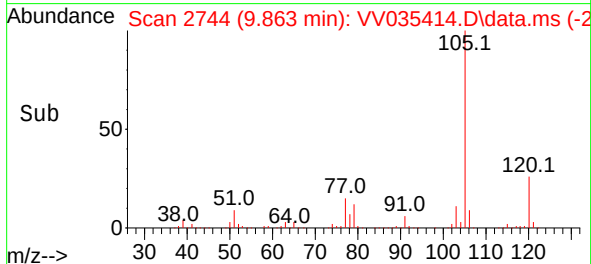


#60
Isopropylbenzene
Concen: 50.850 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17

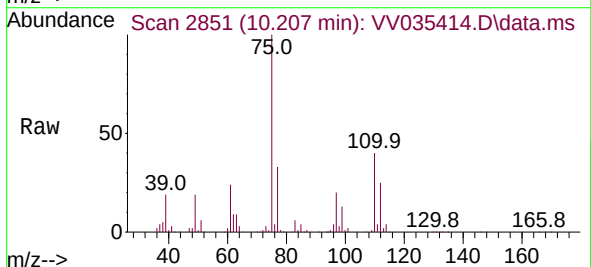
Instrument :
MSVOA_V
ClientSampleId :



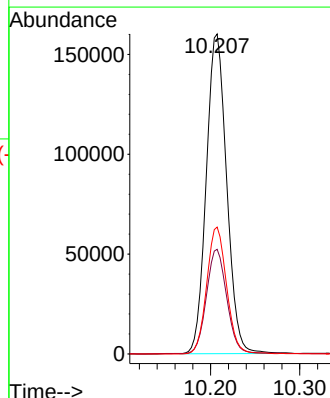
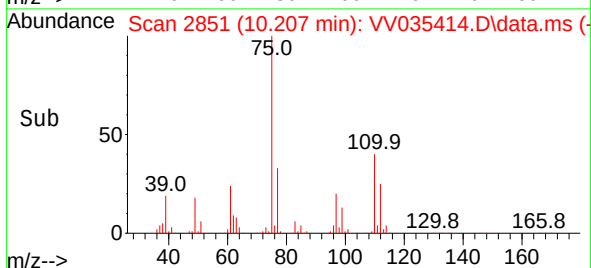
Tgt Ion:105 Resp: 801662
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 15.4 13.1 19.7

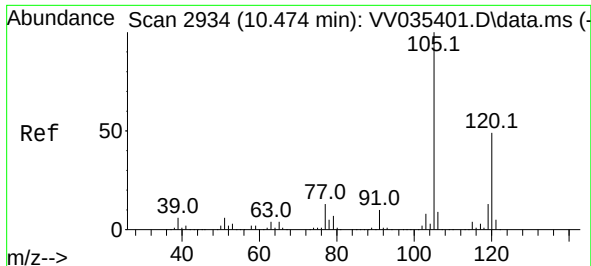


#61
1,2,3-Trichloropropane
Concen: 53.755 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV035414.D
Acq: 25 Apr 2024 19:17



Tgt Ion: 75 Resp: 254731
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 38.6 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 62.504 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

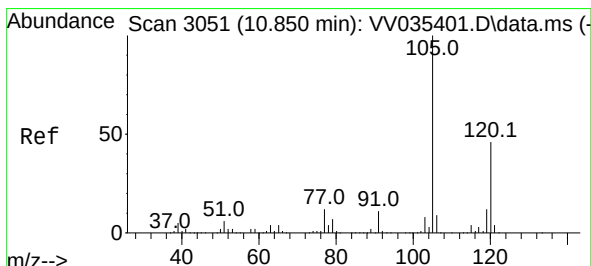
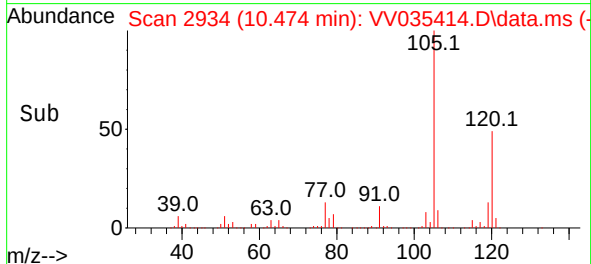
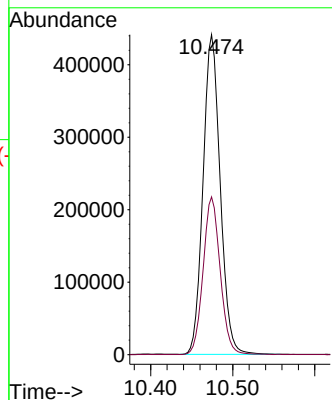
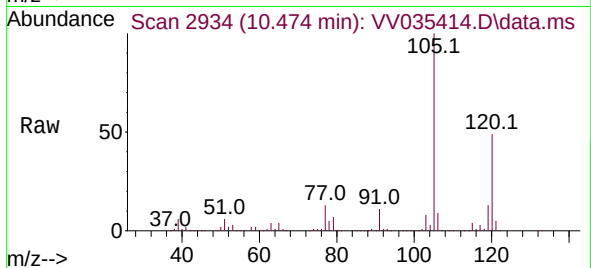
ClientSampleId :

Tgt Ion:105 Resp: 639955

Ion Ratio Lower Upper

105 100

120 49.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 50.541 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035414.D

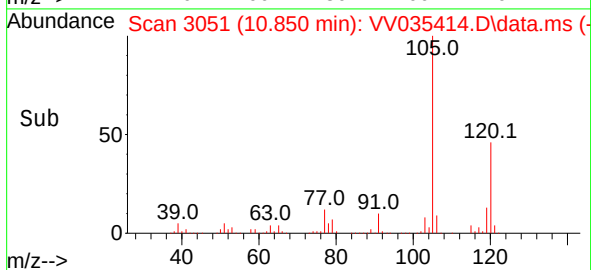
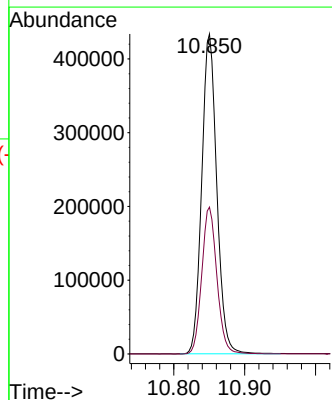
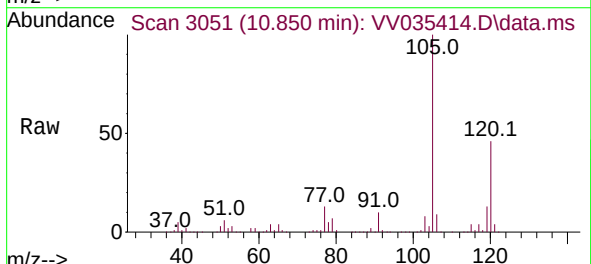
Acq: 25 Apr 2024 19:17

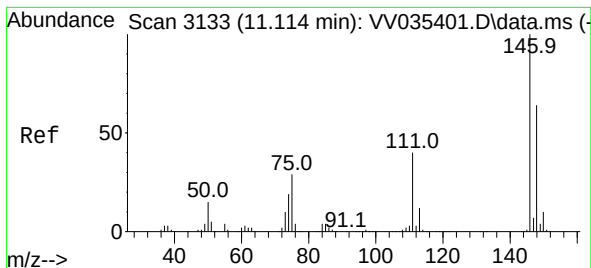
Tgt Ion:105 Resp: 639793

Ion Ratio Lower Upper

105 100

120 46.1 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 52.671 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

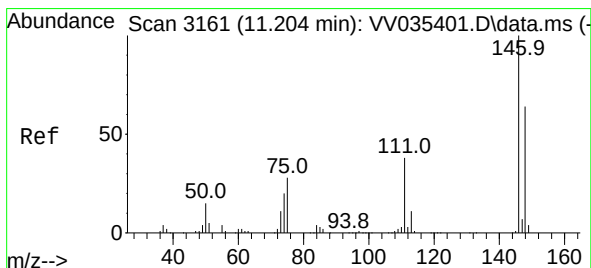
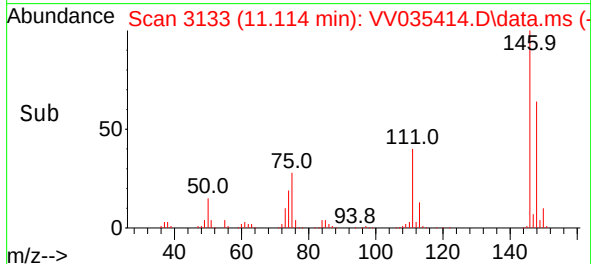
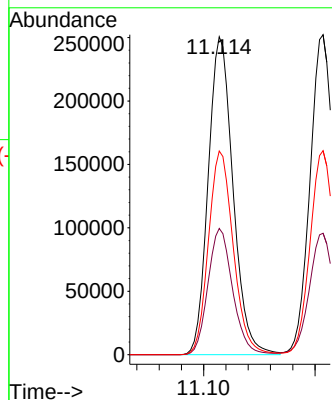
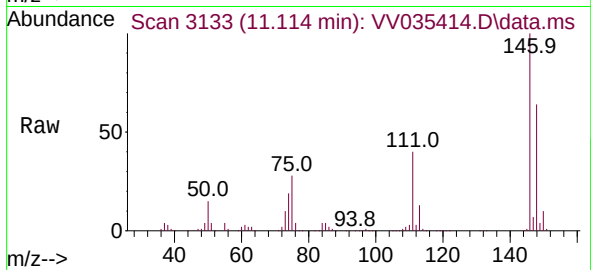
Tgt Ion:146 Resp: 388044

Ion Ratio Lower Upper

146 100

111 39.7 28.7 53.3

148 64.1 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 53.301 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

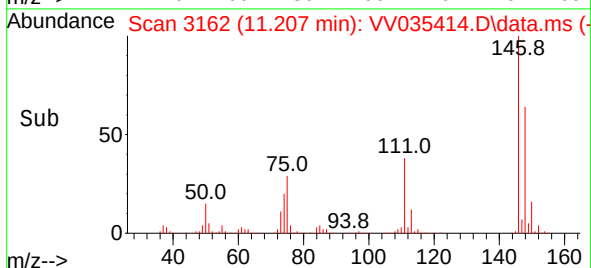
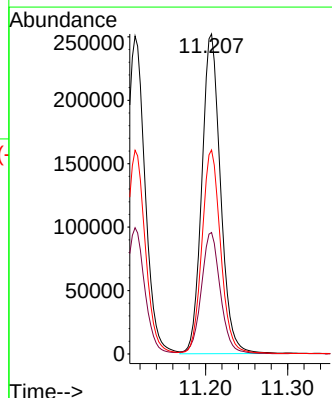
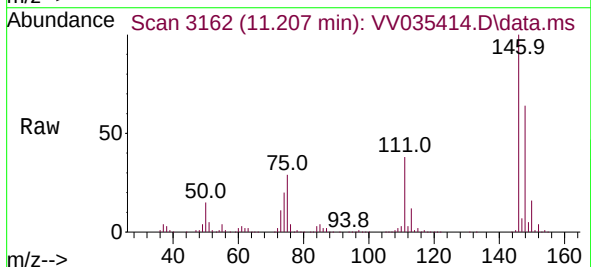
Tgt Ion:146 Resp: 399336

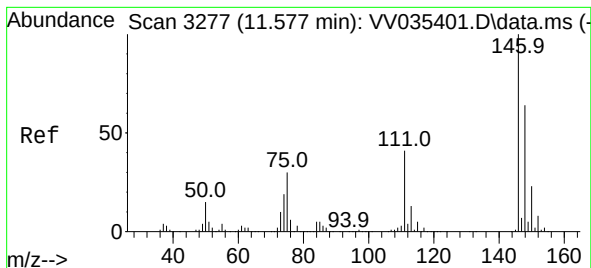
Ion Ratio Lower Upper

146 100

111 37.9 27.4 50.8

148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 55.269 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

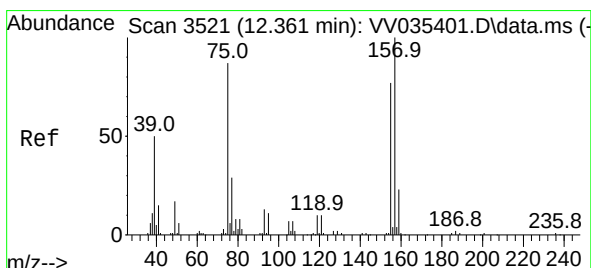
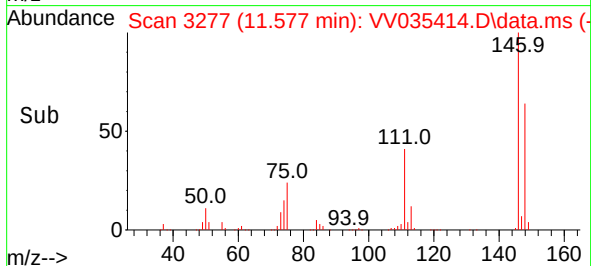
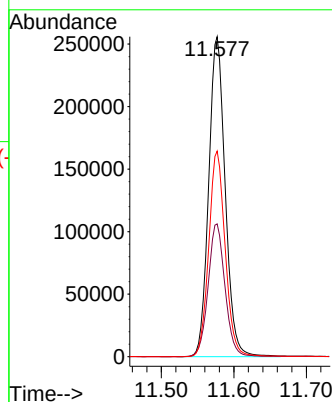
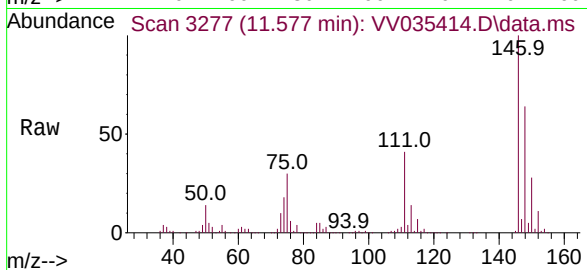
Tgt Ion:146 Resp: 405629

Ion Ratio Lower Upper

146 100

111 41.5 34.6 52.0

148 64.3 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 48.136 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

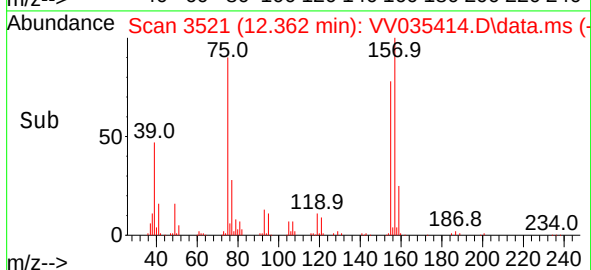
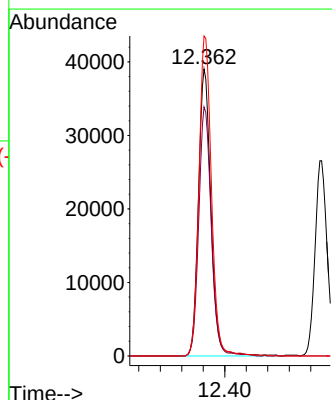
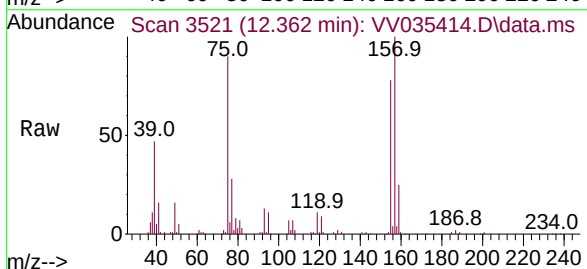
Tgt Ion: 75 Resp: 62842

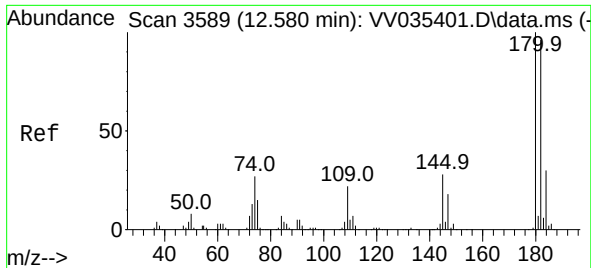
Ion Ratio Lower Upper

75 100

155 86.7 63.0 94.6

157 111.5 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 51.981 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

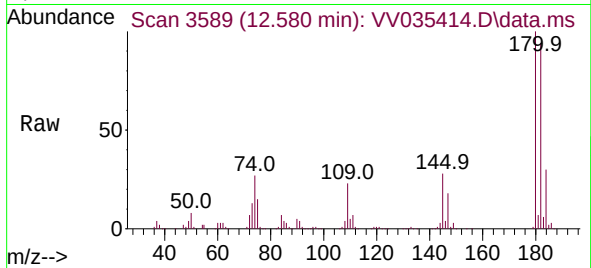
Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 276005

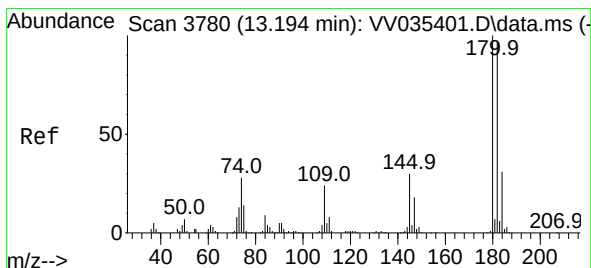
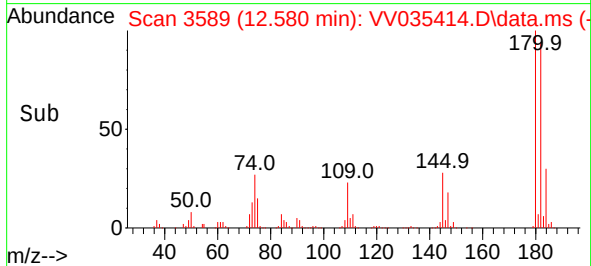
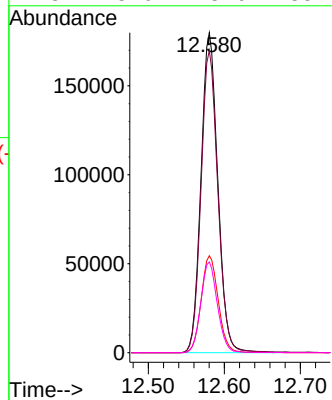
Ion Ratio Lower Upper

180 100

182 94.2 74.7 112.1

184 30.7 24.0 36.0

145 28.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 44.739 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

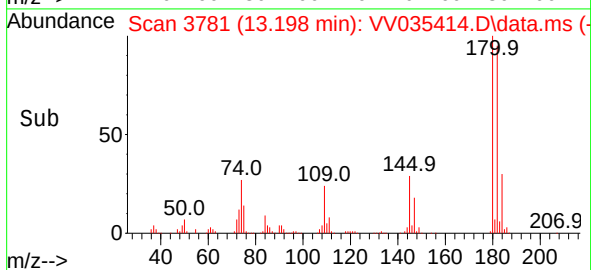
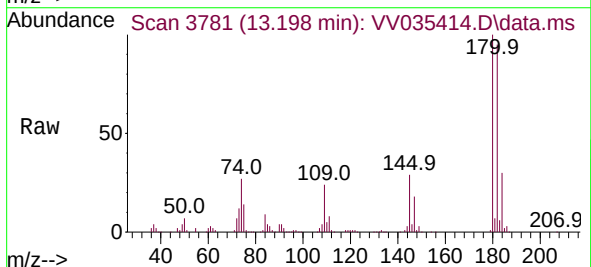
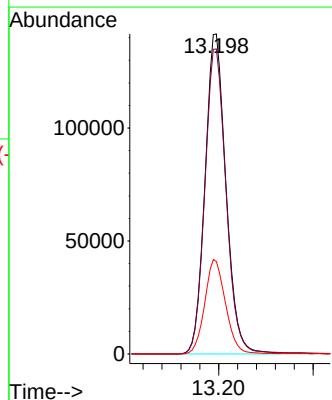
Tgt Ion:180 Resp: 218209

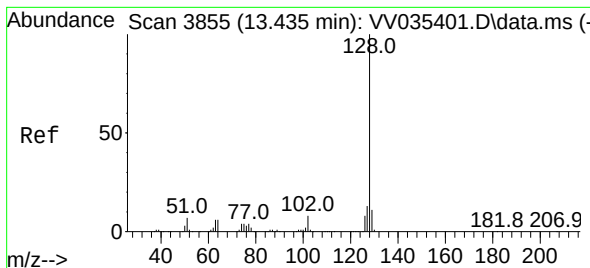
Ion Ratio Lower Upper

180 100

182 96.4 75.6 113.4

145 29.4 24.1 36.1





#71

Naphthalene

Concen: 36.745 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Instrument :

MSVOA_V

ClientSampleId :

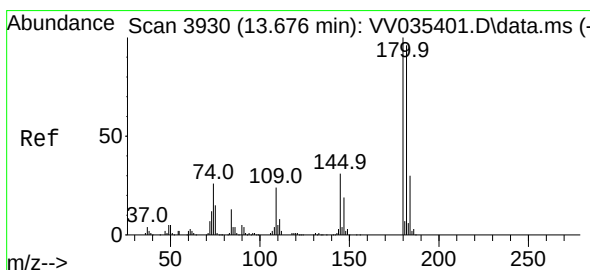
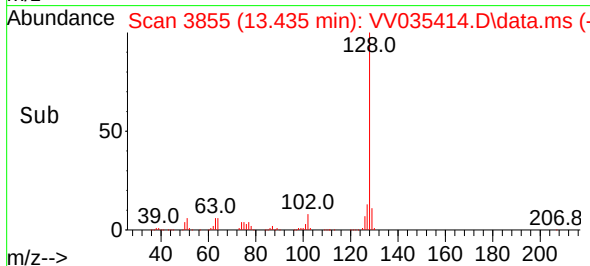
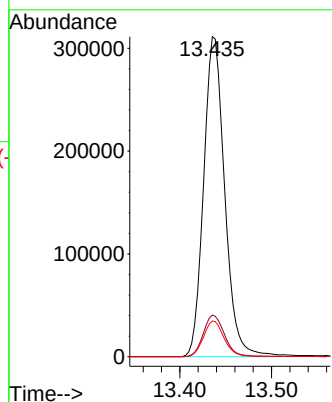
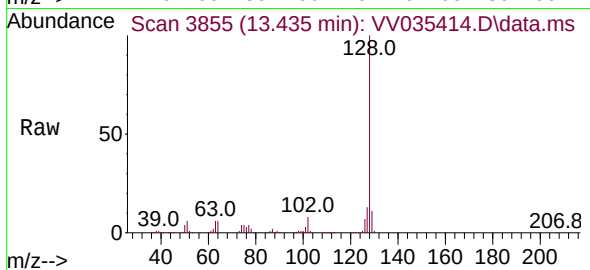
Tgt Ion:128 Resp: 497225

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 48.336 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035414.D

Acq: 25 Apr 2024 19:17

Tgt Ion:180 Resp: 232382

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 31.0 25.8 38.6

