

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031924\
 Data File : VV034745.D
 Acq On : 19 Mar 2024 19:09
 Operator : SY/MD
 Sample : P1756-06MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 20 01:26:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 01:19:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	343273	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	325189	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	172393	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	147044	49.413	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.820%
7) Chloroethane-d5	1.526	69	123718	53.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.720%
11) 1,1-Dichloroethene-d2	2.056	65	67393	50.076	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.160%
21) 2-Butanone-d5	3.783	46	209951	105.501	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.500%
24) Chloroform-d	4.249	84	288758	54.881	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.760%
26) 1,2-Dichloroethane-d4	4.937	65	190871	55.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.020%
32) Benzene-d6	4.957	84	545125	55.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.080%
36) 1,2-Dichloropropane-d6	5.986	67	165599	55.289	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.580%
41) Toluene-d8	7.243	98	500647	56.370	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.740%
43) trans-1,3-Dichloroprop...	7.551	79	84523	56.197	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.400%
47) 2-Hexanone-d5	8.021	63	136152	91.033	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.030%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	225920	57.318	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.640%
66) 1,2-Dichlorobenzene-d4	11.558	152	191768	54.421	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	142391	39.546	ug/L	98
3) Chloromethane	1.214	50	135720	38.360	ug/L	100
5) Vinyl chloride	1.282	62	140244	40.835	ug/L	98
6) Bromomethane	1.484	94	90656	43.995	ug/L	100
8) Chloroethane	1.545	64	89216	43.705	ug/L	97
9) Trichlorofluoromethane	1.712	101	220708	42.913	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	121914	43.981	ug/L	97
12) 1,1-Dichloroethene	2.069	96	112399	43.728	ug/L	97
13) Acetone	2.114	43	188139	78.642	ug/L	99
14) Carbon disulfide	2.240	76	269908	37.836	ug/L	99
15) Methyl Acetate	2.372	43	141272	46.158	ug/L	95
16) Methylene chloride	2.446	84	132386	48.555	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	113659	45.685	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	457822	51.243	ug/L	99
19) 1,1-Dichloroethane	3.111	63	258885	53.120	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	137617	50.981	ug/L	97
22) 2-Butanone	3.867	43	198921	84.203	ug/L	99
23) Bromochloromethane	4.146	128	70833	50.746	ug/L	96
25) Chloroform	4.275	83	252241	49.935	ug/L	99

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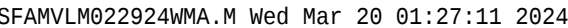
Instrument :
 MSVOA_V
 ClientSampleId :

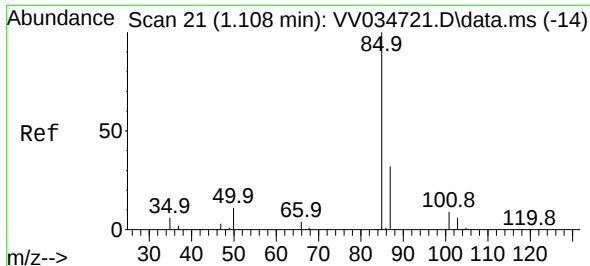
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	206910	50.415	ug/L	97
29) Cyclohexane	4.580	56	181223	42.369	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	223223	47.870	ug/L	99
31) Carbon tetrachloride	4.735	117	191017	46.267	ug/L	99
33) Benzene	5.008	78	493431	48.884	ug/L	100
34) Trichloroethene	5.831	95	131583	45.860	ug/L	97
35) Methylcyclohexane	6.047	83	182787	41.905	ug/L	99
37) 1,2-Dichloropropane	6.092	63	134309	50.823	ug/L	99
38) Bromodichloromethane	6.429	83	189786	51.056	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	220481	51.494	ug/L	97
40) 4-Methyl-2-pentanone	7.153	43	401365	102.999	ug/L	97
42) Toluene	7.314	91	522888	48.947	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	209793	50.946	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	135371	53.090	ug/L	99
46) Tetrachloroethene	7.902	164	97411	45.651	ug/L	98
48) 2-Hexanone	8.072	43	309905	99.804	ug/L	98
49) Dibromochloromethane	8.175	129	140453	52.198	ug/L	98
50) 1,2-Dibromoethane	8.281	107	139735	51.644	ug/L	99
51) Chlorobenzene	8.812	112	344211	49.841	ug/L	100
52) Ethylbenzene	8.944	91	588578	49.171	ug/L	100
53) m,p-Xylene	9.072	106	221218	48.702	ug/L	99
54) o-Xylene	9.477	106	223904	50.339	ug/L	99
55) Styrene	9.493	104	383315	50.899	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	209752	54.769	ug/L	99
59) Bromoform	9.664	173	100577	52.621	ug/L	97
60) Isopropylbenzene	9.866	105	603220	49.475	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	170384	51.776	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	503386	48.944	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	508469	49.986	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	273535	48.522	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	275530	48.130	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	279576	49.493	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	49733	50.734	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	194722	46.044	ug/L	98
70) 1,2,4-trichlorobenzene	13.198	180	174456	45.845	ug/L	100
71) Naphthalene	13.435	128	438239	43.053	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	175437	47.259	ug/L	98

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

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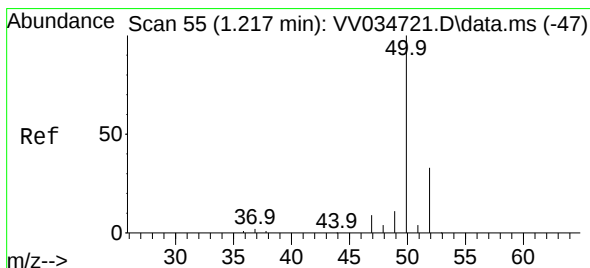
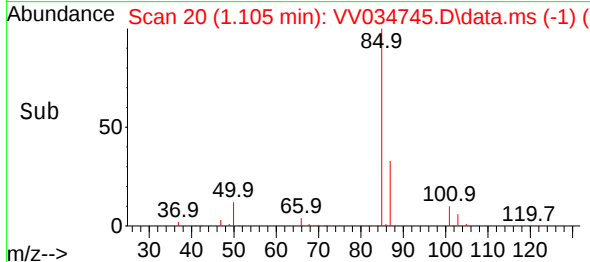
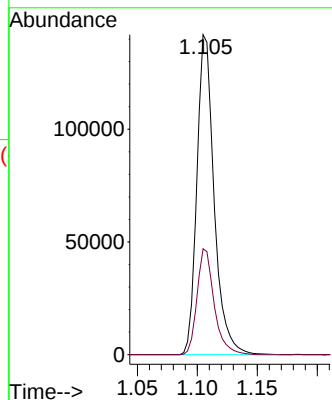
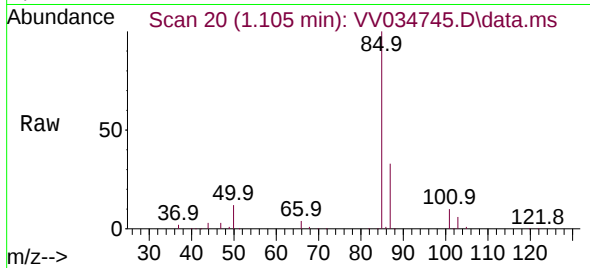




#2
 Dichlorodifluoromethane
 Concen: 39.546 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV034745.D
 Acq: 19 Mar 2024 19:09

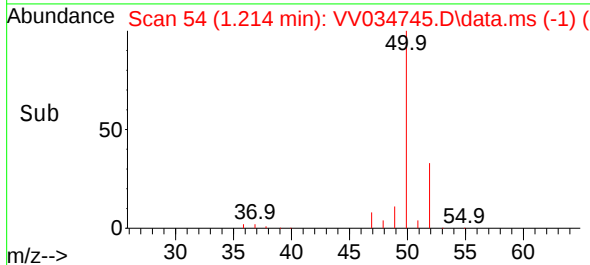
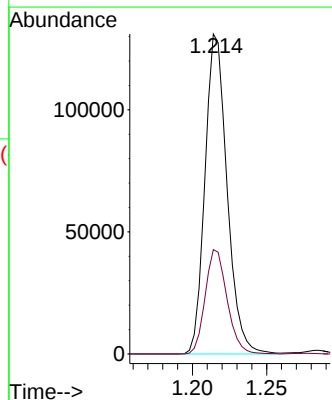
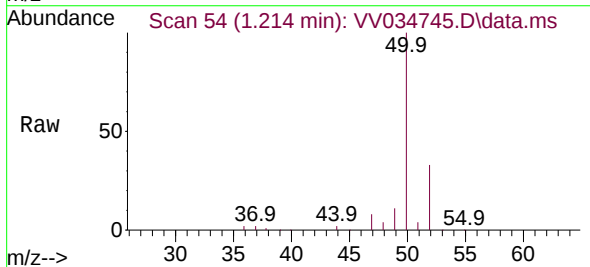
Instrument :
 MSVOA_V
 ClientSampleId :

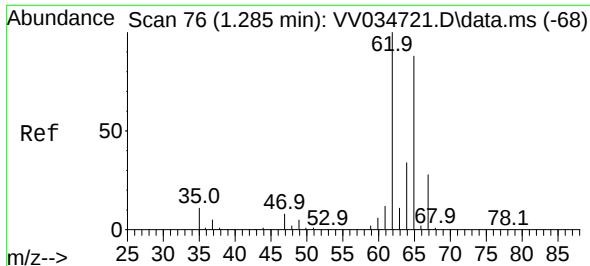
Tgt Ion: 85 Resp: 142391
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.5 38.3



#3
 Chloromethane
 Concen: 38.360 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV034745.D
 Acq: 19 Mar 2024 19:09

Tgt Ion: 50 Resp: 135720
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.0 42.8

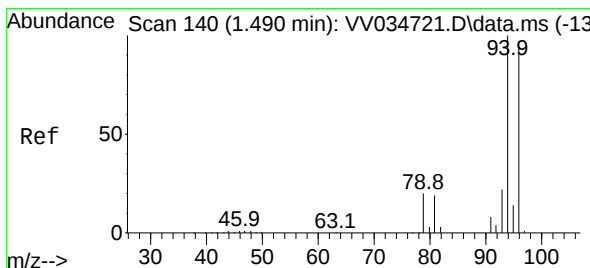
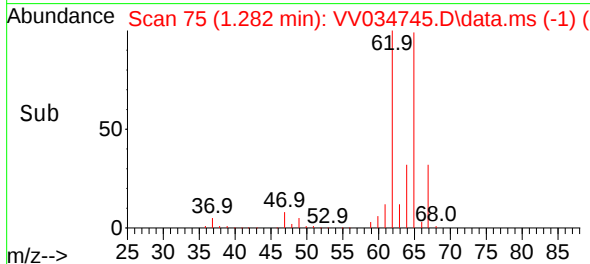
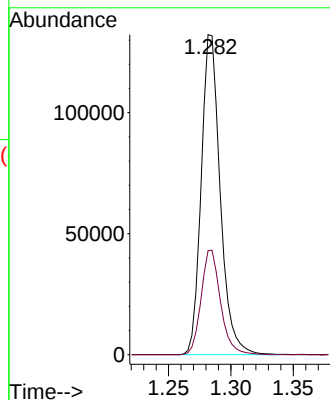
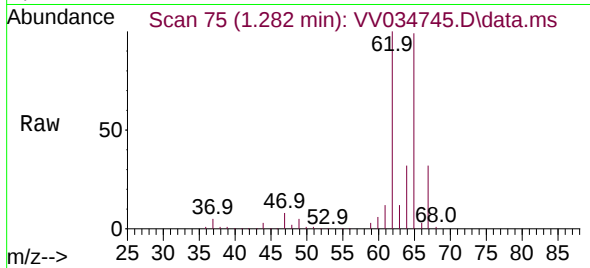




#5
 Vinyl chloride
 Concen: 40.835 ug/L
 RT: 1.282 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV034745.D
 Acq: 19 Mar 2024 19:09

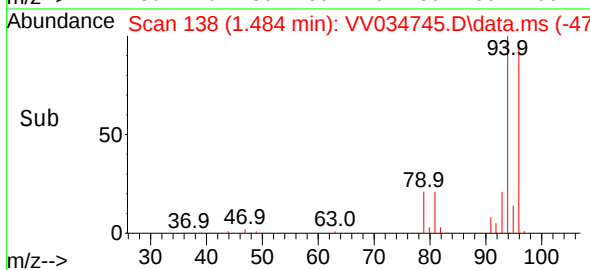
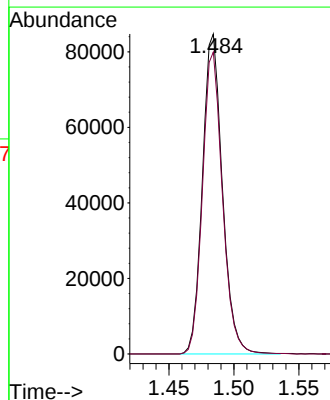
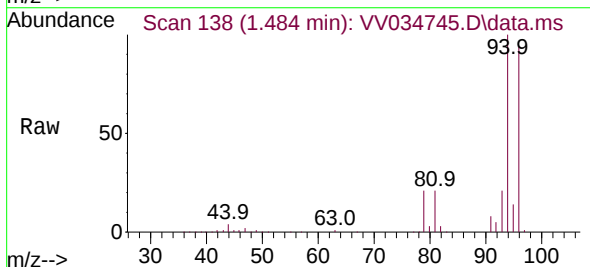
Instrument :
 MSVOA_V
 ClientSampleId :

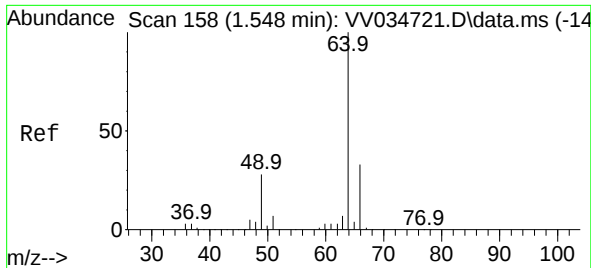
Tgt Ion: 62 Resp: 140244
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.4 43.6



#6
 Bromomethane
 Concen: 43.995 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.006 min
 Lab File: VV034745.D
 Acq: 19 Mar 2024 19:09

Tgt Ion: 94 Resp: 90656
 Ion Ratio Lower Upper
 94 100
 96 94.3 66.0 122.6

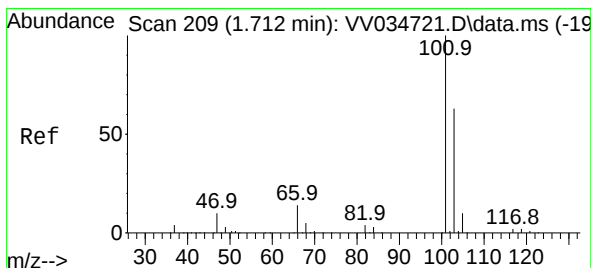
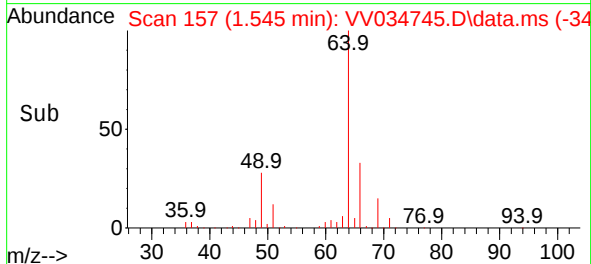
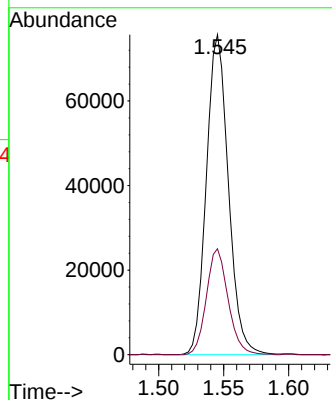
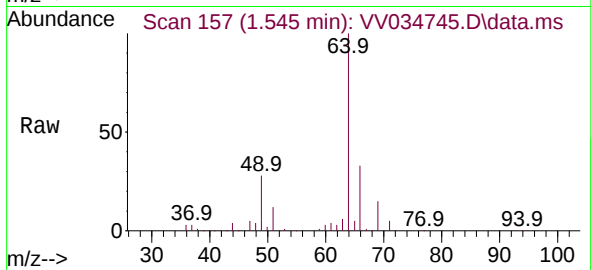




#8
Chloroethane
Concen: 43.705 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

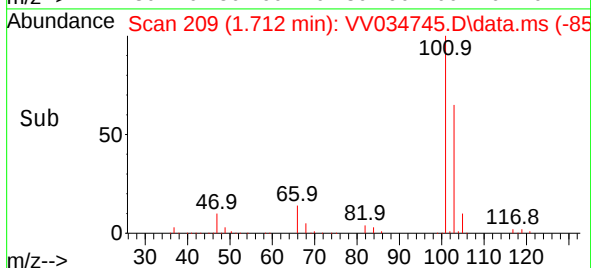
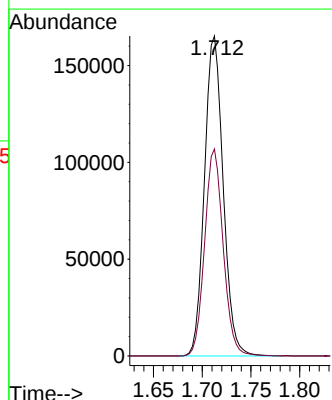
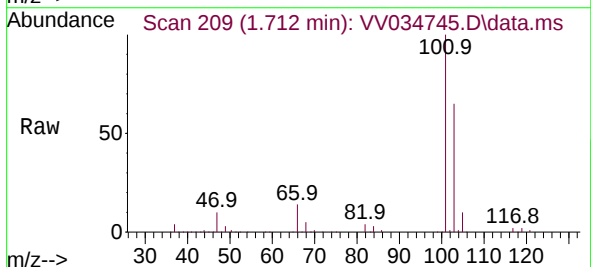
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MSVOA_V
ClientSampleId :

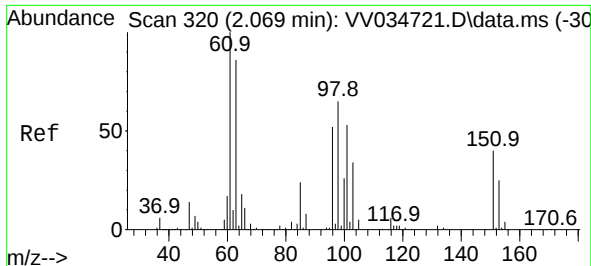
Tgt Ion: 64 Resp: 89216
Ion Ratio Lower Upper
64 100
66 33.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 42.913 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion:101 Resp: 220708
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8





#10

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

Concen: 43.981 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

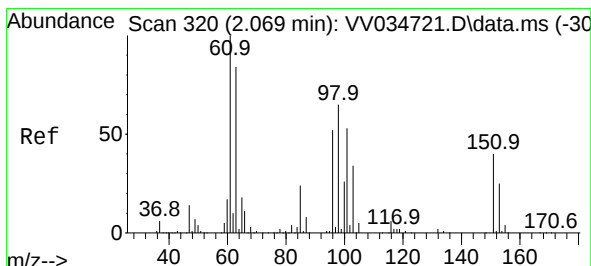
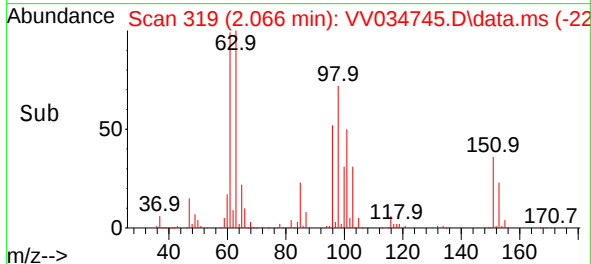
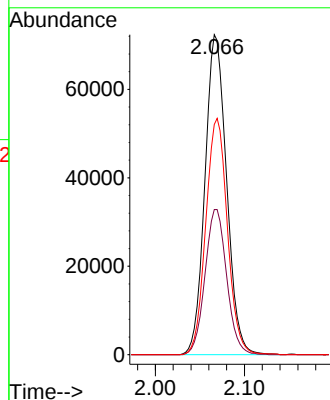
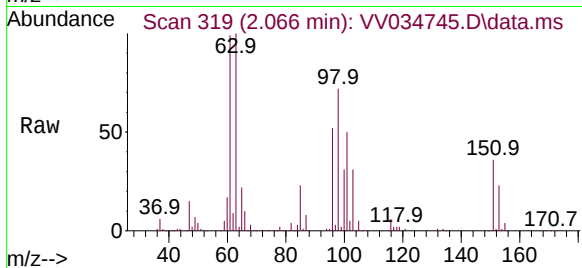
Tgt Ion:101 Resp: 121914

Ion Ratio Lower Upper

101 100

85 45.5 37.4 56.0

151 73.9 61.4 92.2



#12

1,1-Dichloroethene

Concen: 43.728 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

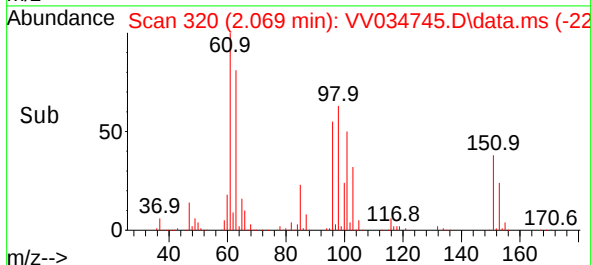
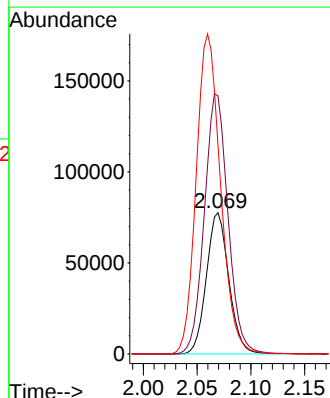
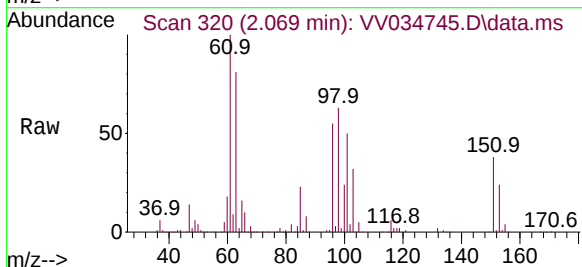
Tgt Ion: 96 Resp: 112399

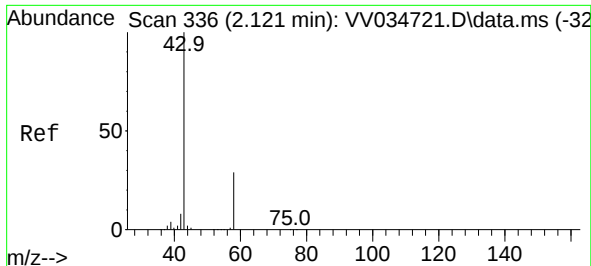
Ion Ratio Lower Upper

96 100

61 182.6 128.9 239.3

63 148.1 98.0 182.0





#13

Acetone

Concen: 78.642 ug/L

RT: 2.114 min Scan# 336

Delta R.T. -0.006 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

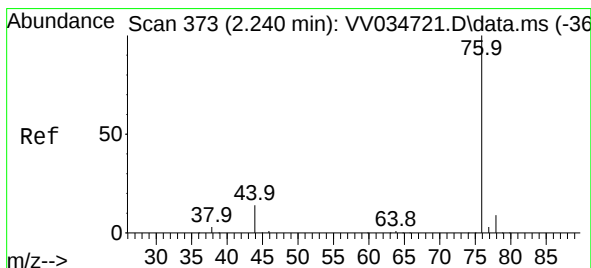
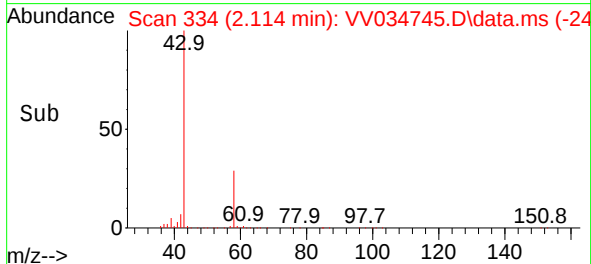
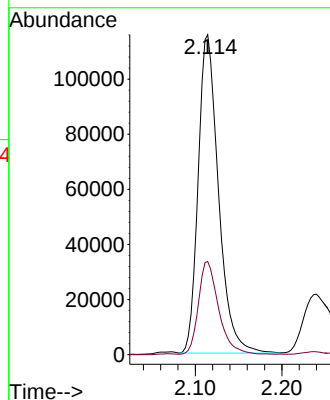
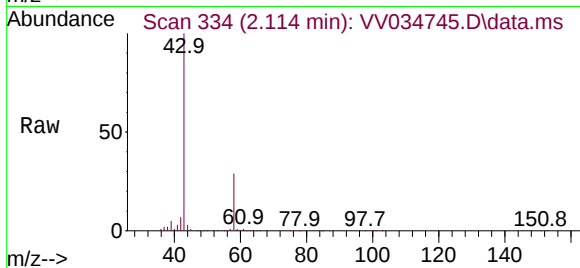
ClientSampleId :

Tgt Ion: 43 Resp: 188139

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.2



#14

Carbon disulfide

Concen: 37.836 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV034745.D

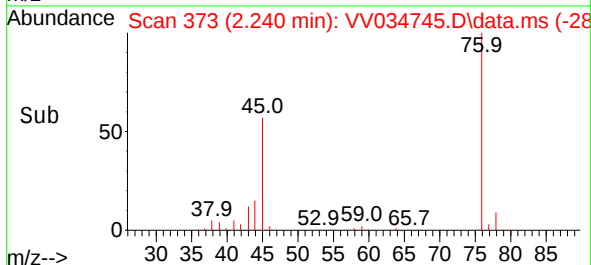
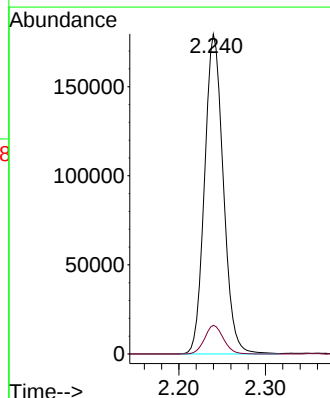
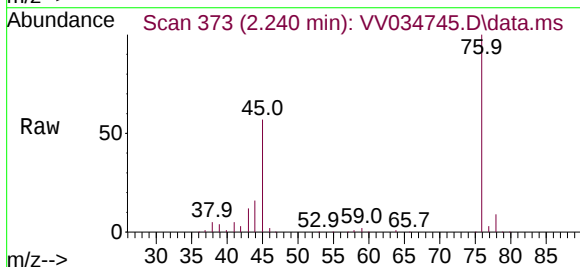
Acq: 19 Mar 2024 19:09

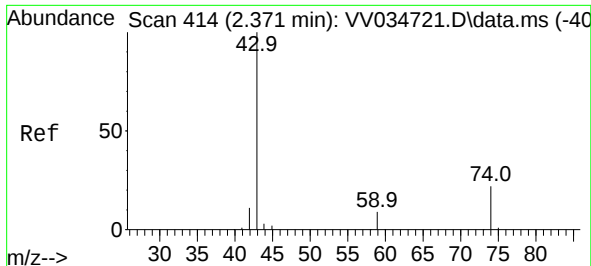
Tgt Ion: 76 Resp: 269908

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 46.158 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

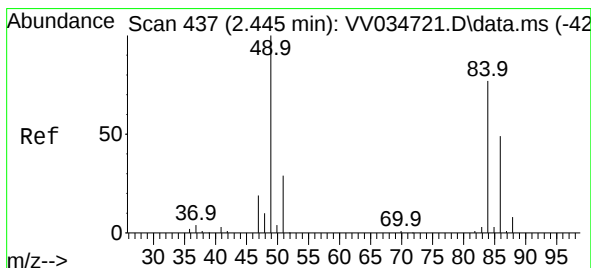
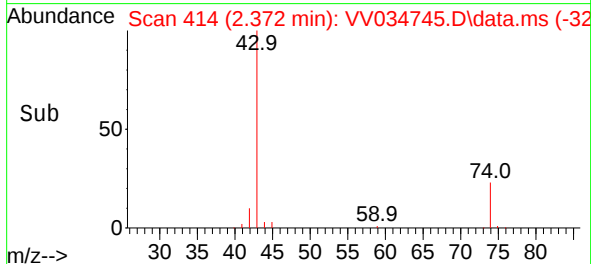
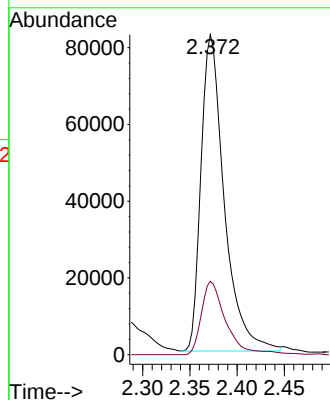
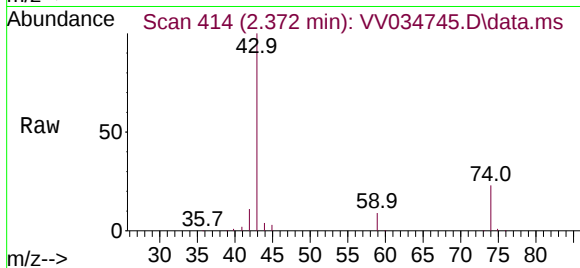
ClientSampleId :

Tgt Ion: 43 Resp: 141272

Ion Ratio Lower Upper

43 100

74 24.5 17.8 26.8



#16

Methylene chloride

Concen: 48.555 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

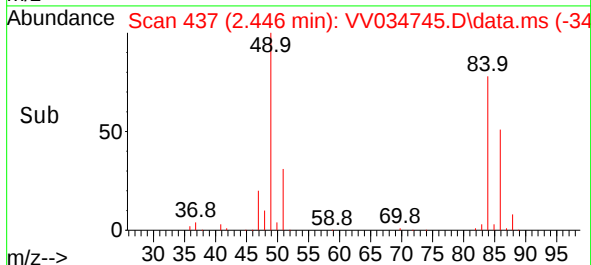
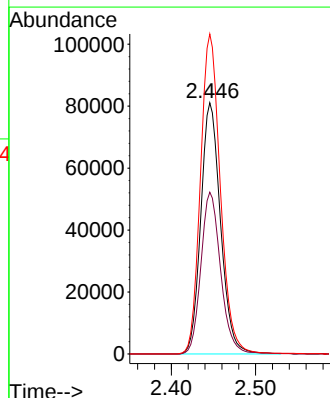
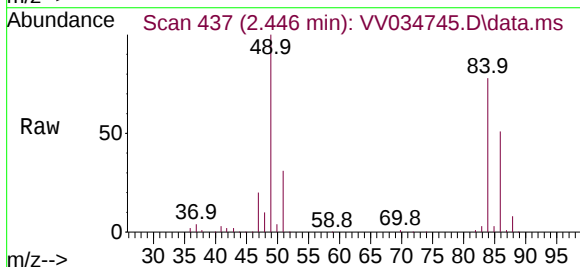
Tgt Ion: 84 Resp: 132386

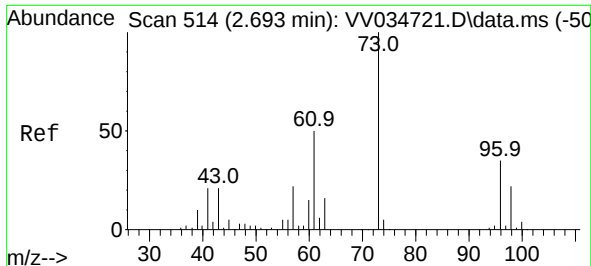
Ion Ratio Lower Upper

84 100

86 64.4 45.6 84.6

49 127.4 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 45.685 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

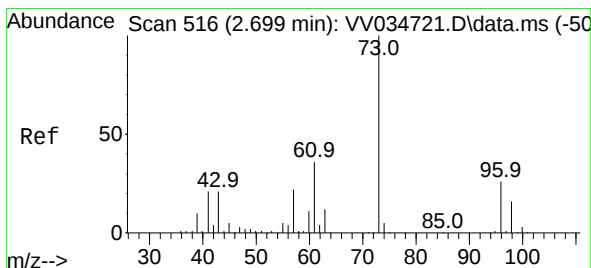
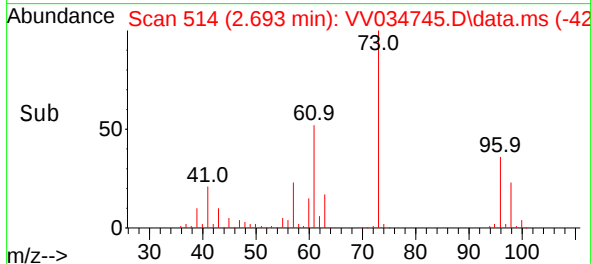
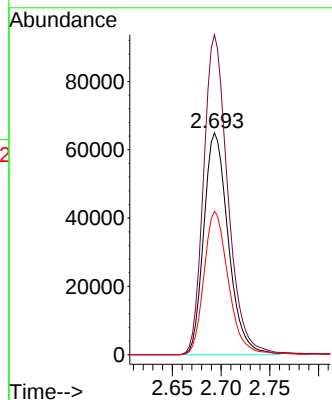
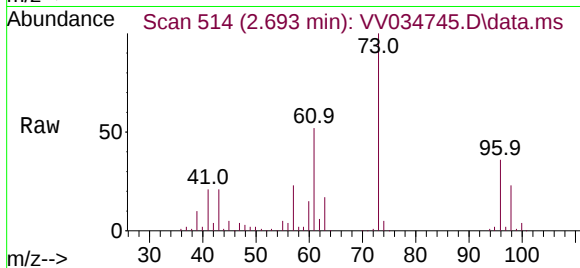
Tgt Ion: 96 Resp: 113659

Ion Ratio Lower Upper

96 100

61 144.3 98.8 183.4

98 64.7 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 51.243 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

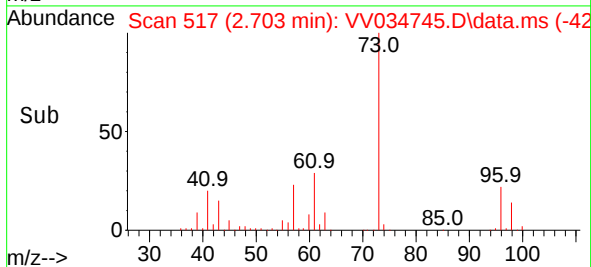
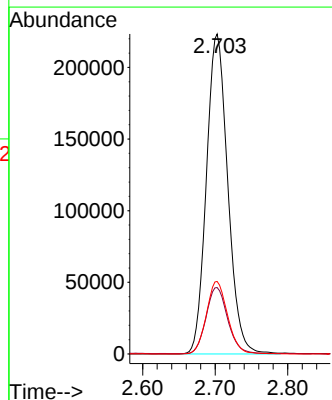
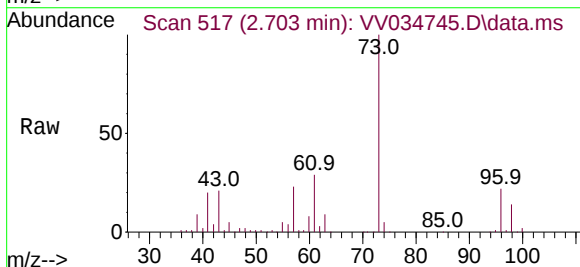
Tgt Ion: 73 Resp: 457822

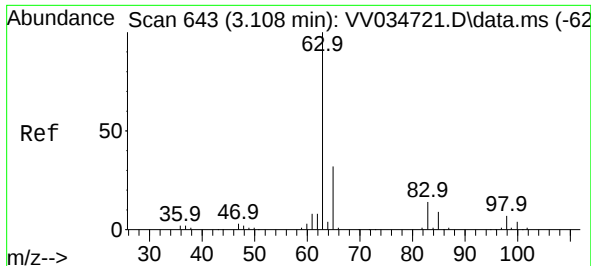
Ion Ratio Lower Upper

73 100

43 20.8 17.1 25.7

57 22.5 17.6 26.4





#19

1,1-Dichloroethane

Concen: 53.120 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

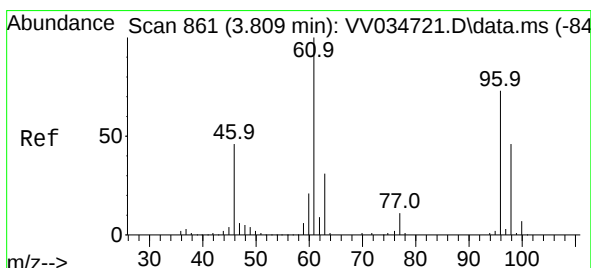
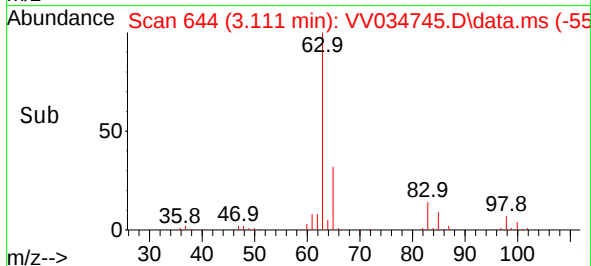
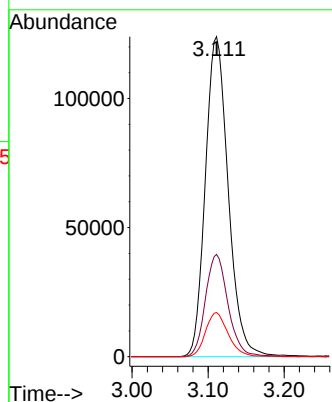
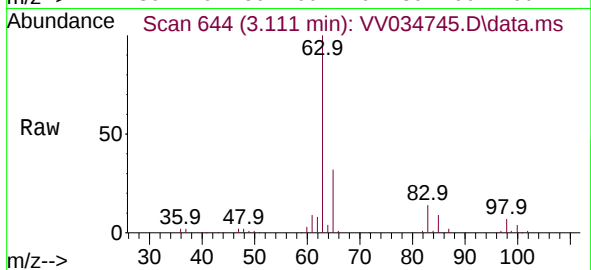
Tgt Ion: 63 Resp: 258885

Ion Ratio Lower Upper

63 100

65 31.9 22.1 41.1

83 13.8 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 50.981 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

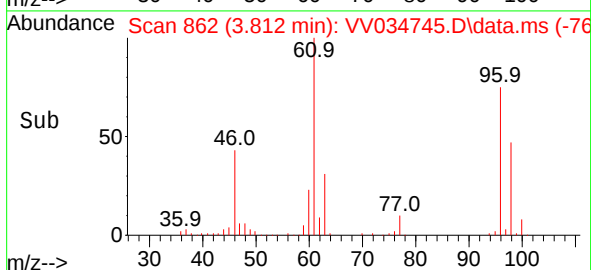
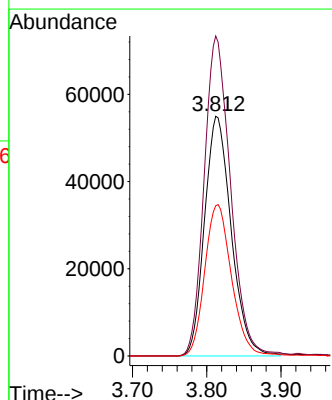
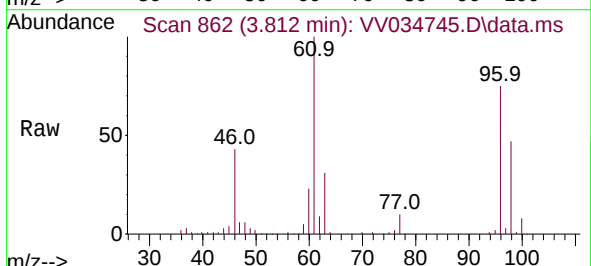
Tgt Ion: 96 Resp: 137617

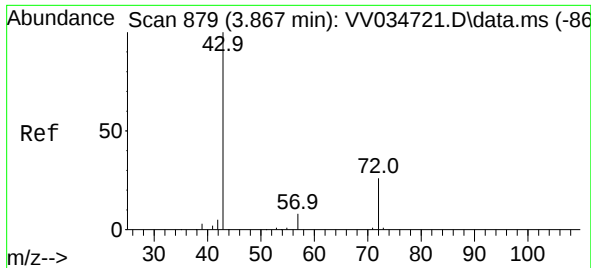
Ion Ratio Lower Upper

96 100

61 133.5 96.0 178.4

98 62.7 46.0 85.4

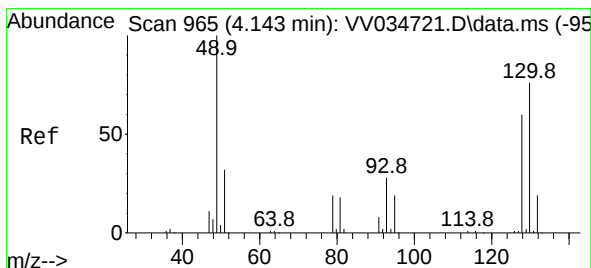
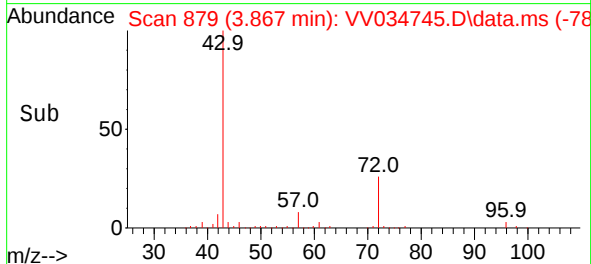
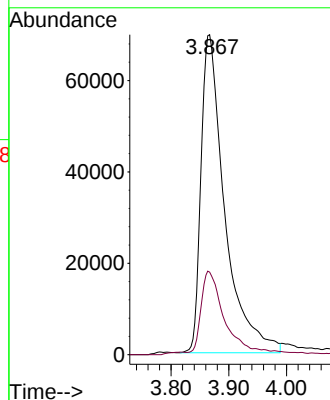
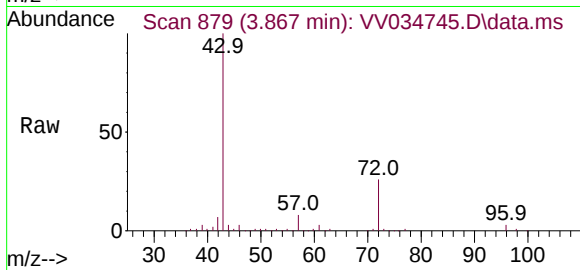




#22
2-Butanone
Concen: 84.203 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

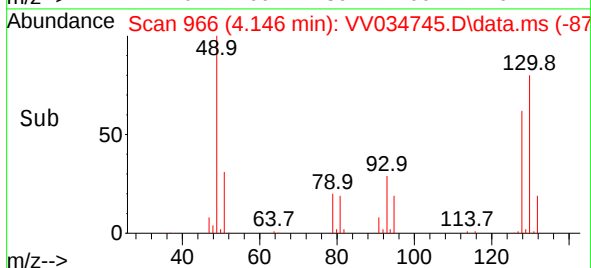
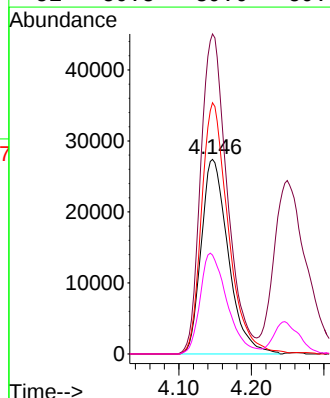
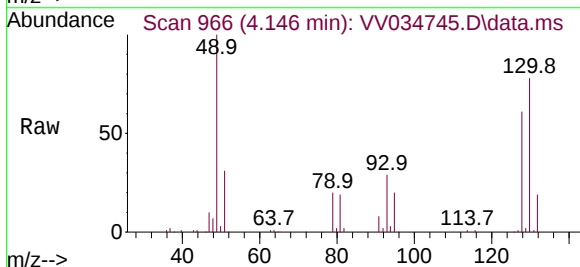
Instrument :
MSVOA_V
ClientSampleId :

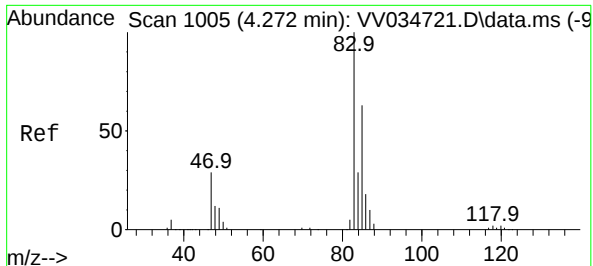
Tgt Ion: 43 Resp: 198921
Ion Ratio Lower Upper
43 100
72 23.4 11.5 34.4



#23
Bromochloromethane
Concen: 50.746 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion:128 Resp: 70833
Ion Ratio Lower Upper
128 100
49 164.4 109.4 203.2
130 129.0 87.7 162.9
51 50.8 39.6 59.4





#25

Chloroform

Concen: 49.935 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

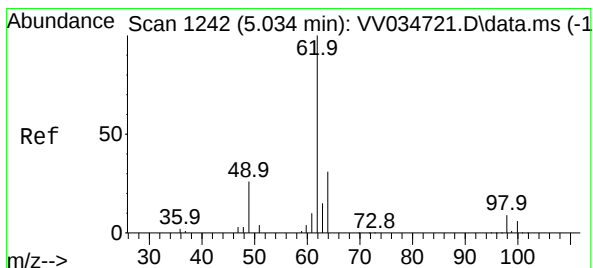
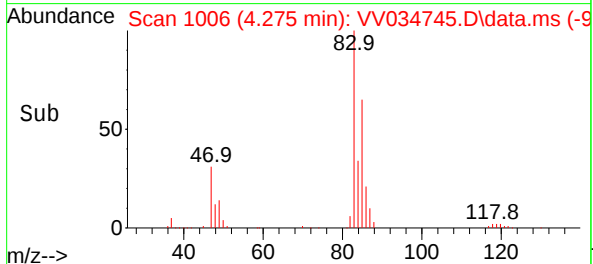
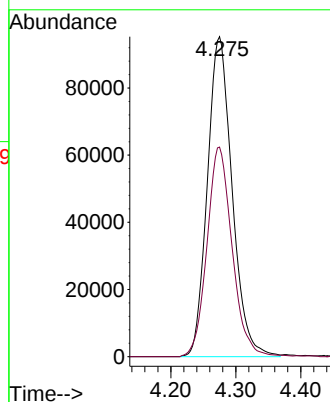
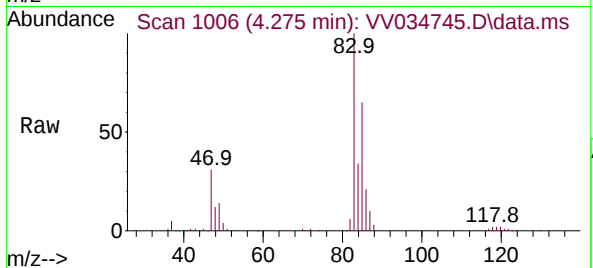
ClientSampleId :

Tgt Ion: 83 Resp: 252241

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 50.415 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.007 min

Lab File: VV034745.D

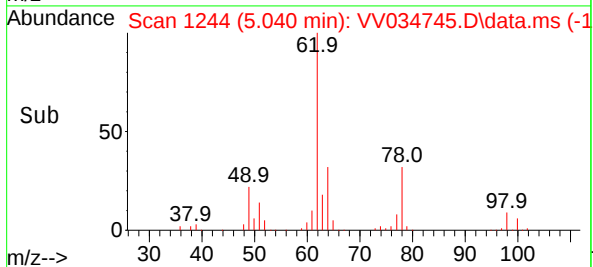
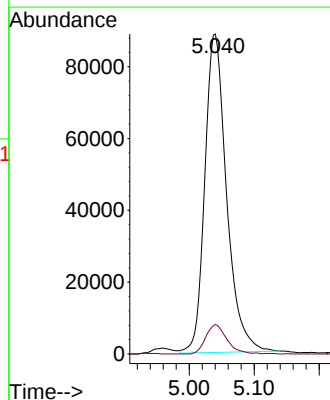
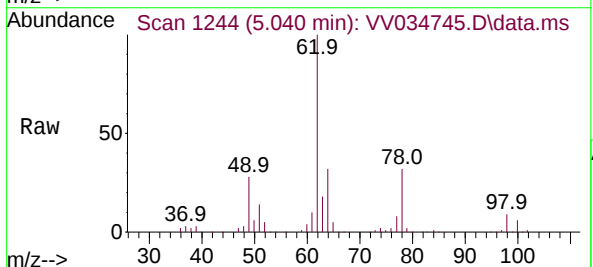
Acq: 19 Mar 2024 19:09

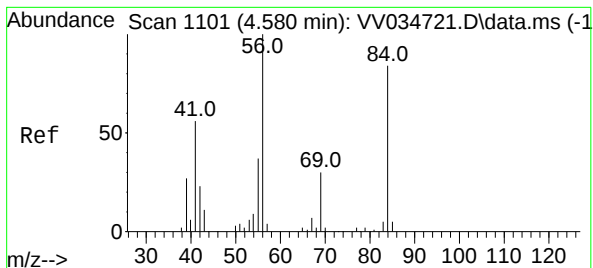
Tgt Ion: 62 Resp: 206910

Ion Ratio Lower Upper

62 100

98 9.2 6.6 10.0





#29

Cyclohexane

Concen: 42.369 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

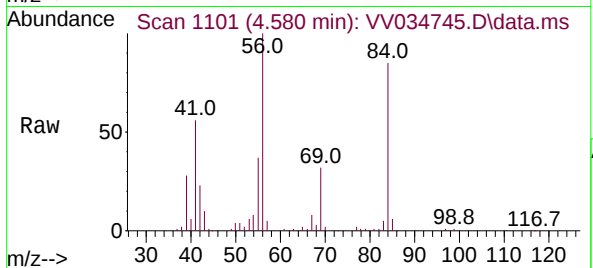
Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :



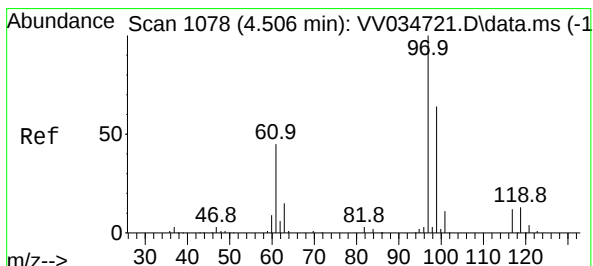
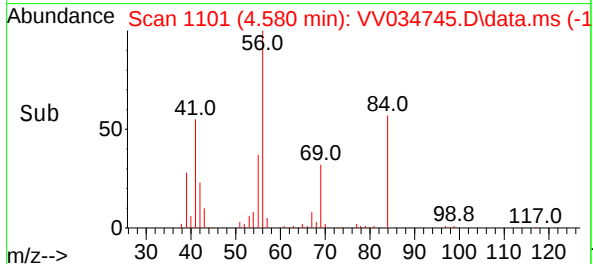
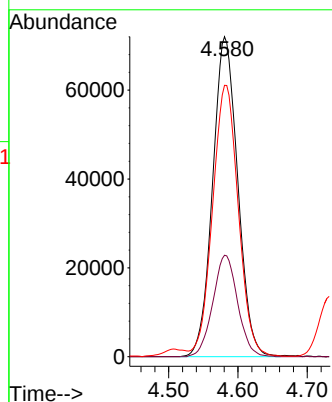
Tgt Ion: 56 Resp: 181223

Ion Ratio Lower Upper

56 100

69 31.3 24.2 36.4

84 87.2 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 47.870 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

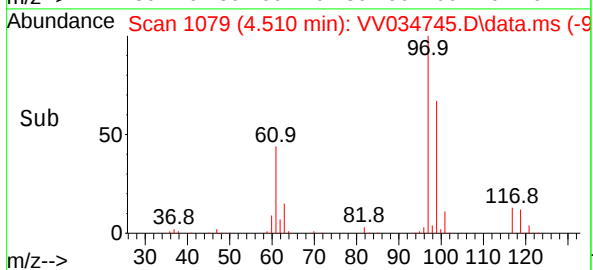
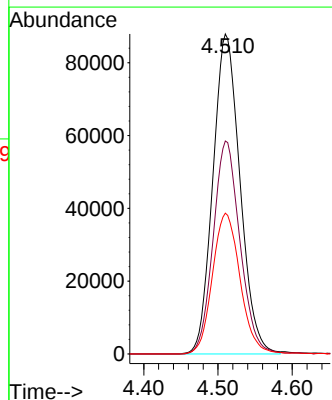
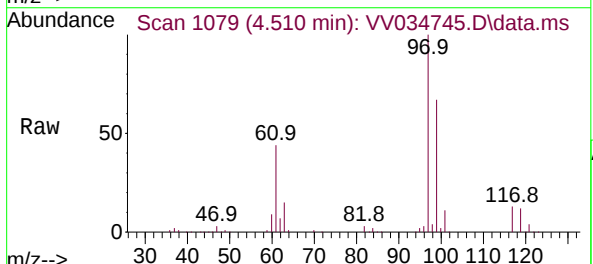
Tgt Ion: 97 Resp: 223223

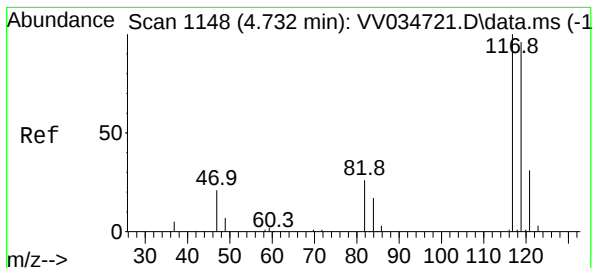
Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

61 44.9 36.0 54.0





#31

Carbon tetrachloride

Concen: 46.267 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

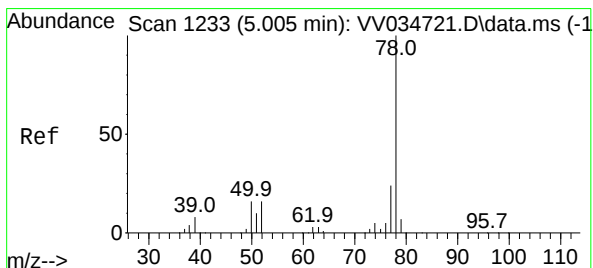
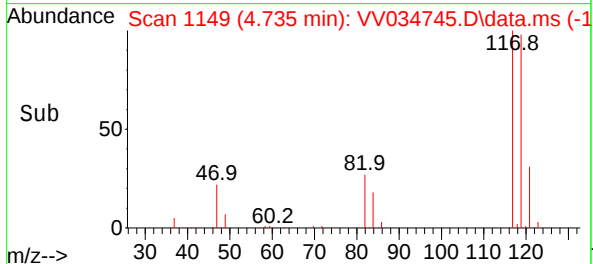
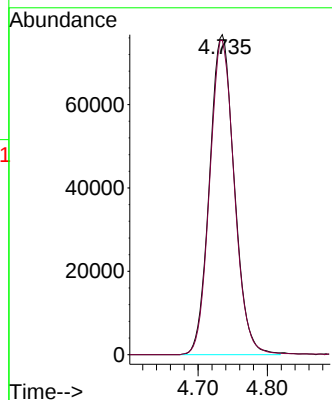
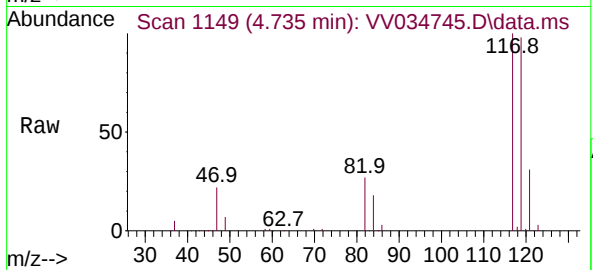
ClientSampleId :

Tgt Ion:117 Resp: 191017

Ion Ratio Lower Upper

117 100

119 97.6 77.5 116.3



#33

Benzene

Concen: 48.884 ug/L

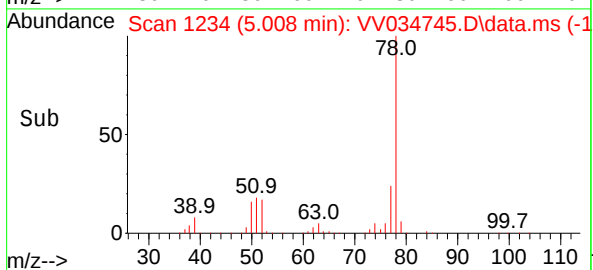
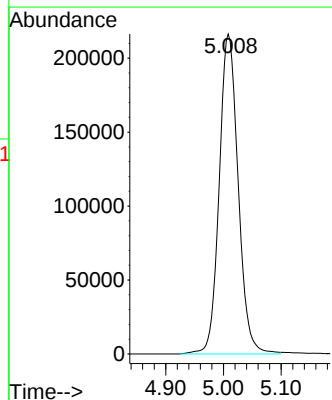
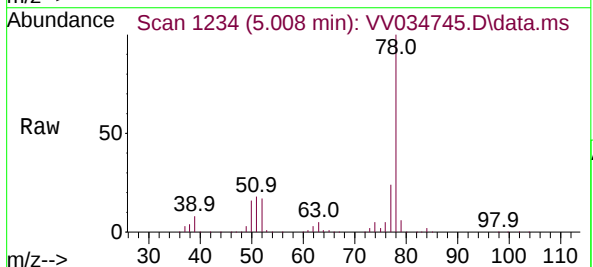
RT: 5.008 min Scan# 1234

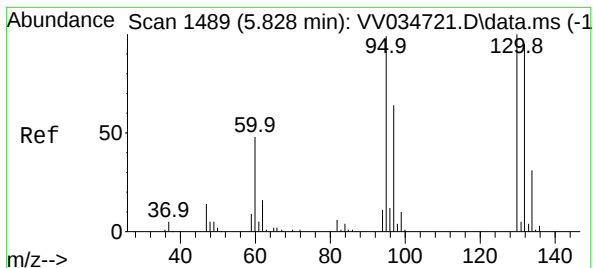
Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Tgt Ion: 78 Resp: 493431





#34

Trichloroethene

Concen: 45.860 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 131583

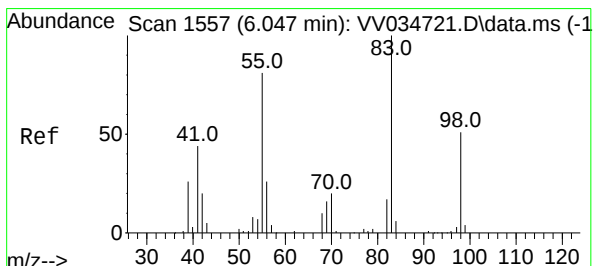
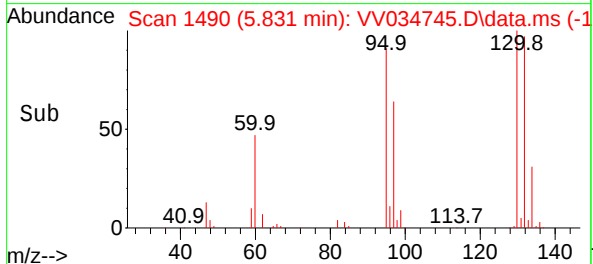
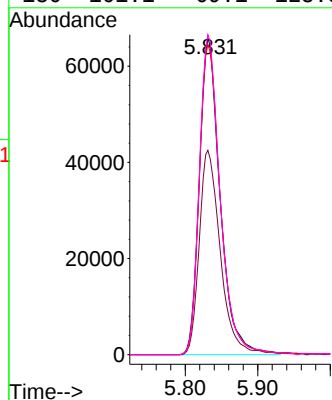
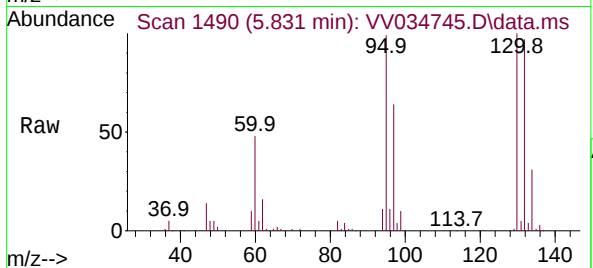
Ion Ratio Lower Upper

95 100

97 64.6 44.7 83.1

132 98.1 65.3 121.3

130 101.1 69.1 128.3



#35

Methylcyclohexane

Concen: 41.905 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

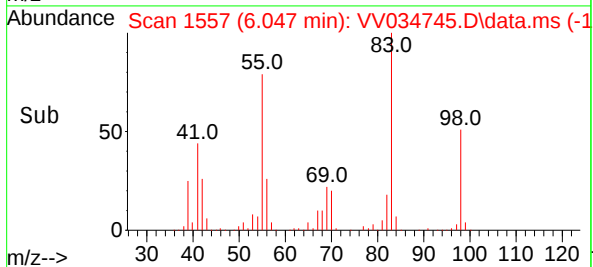
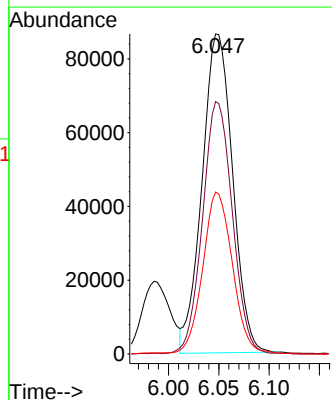
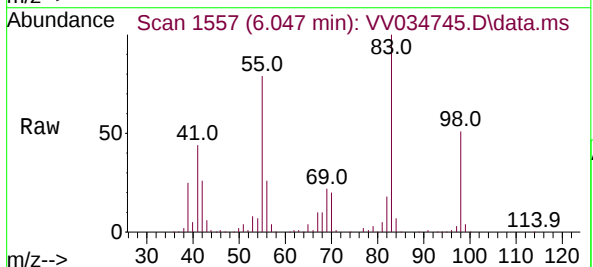
Tgt Ion: 83 Resp: 182787

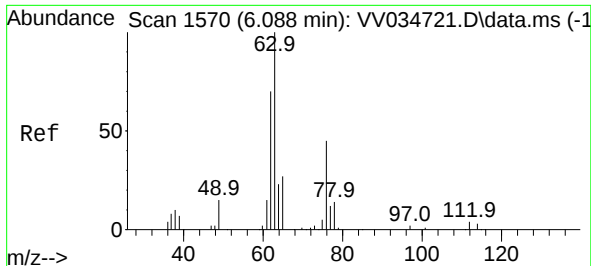
Ion Ratio Lower Upper

83 100

55 77.1 62.6 94.0

98 49.0 39.5 59.3

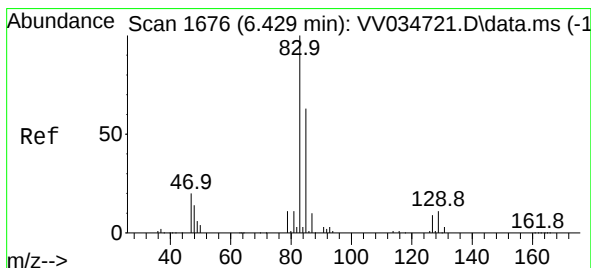
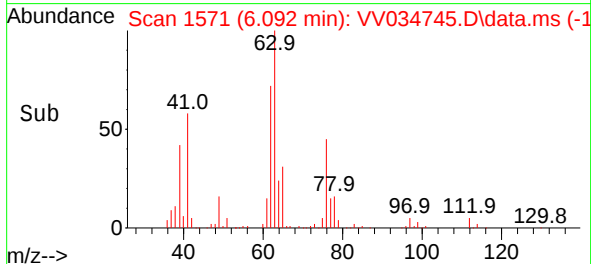
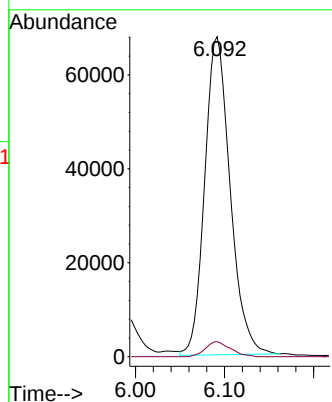
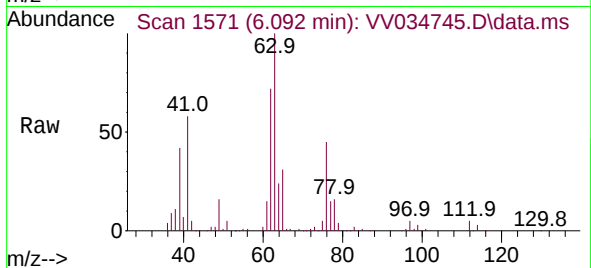




#37
1,2-Dichloropropane
Concen: 50.823 ug/L
RT: 6.092 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

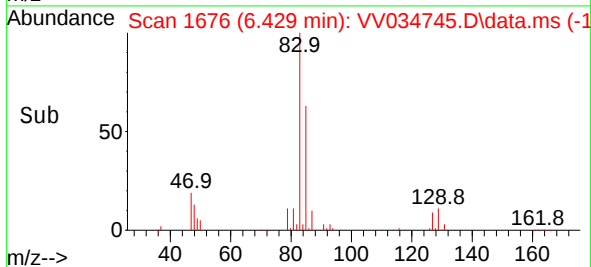
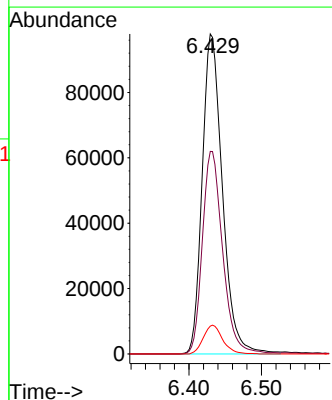
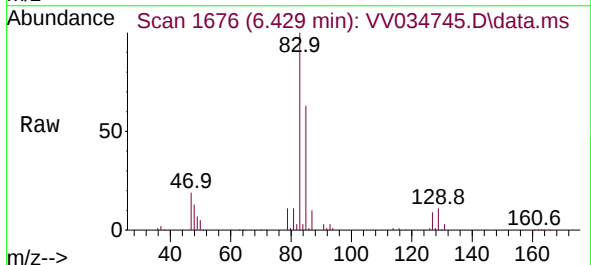
Instrument :
MSVOA_V
ClientSampleId :

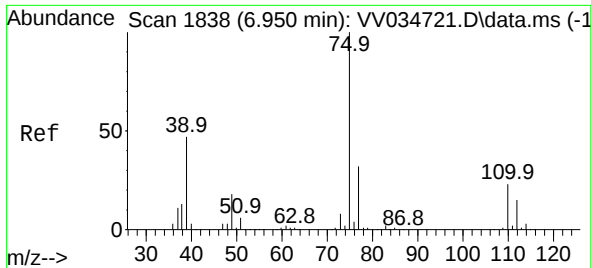
Tgt Ion: 63 Resp: 134309
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 51.056 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion: 83 Resp: 189786
Ion Ratio Lower Upper
83 100
85 63.3 44.6 82.8
127 8.7 6.9 10.3

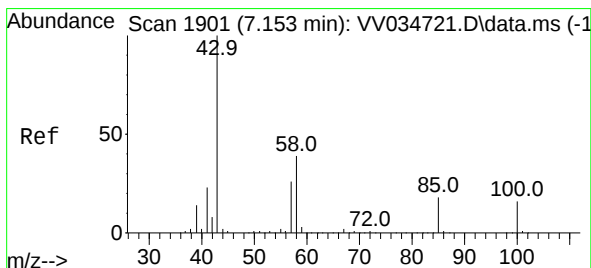
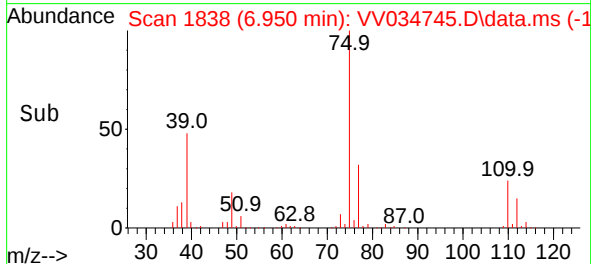
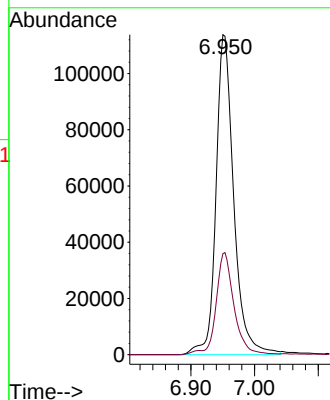
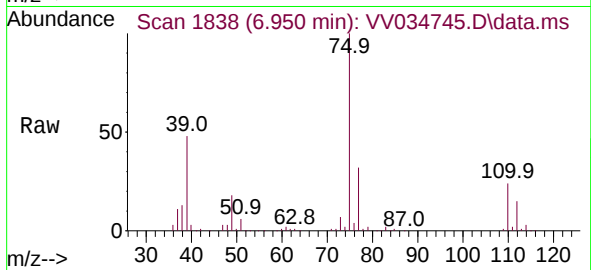




#39
 cis-1,3-Dichloropropene
 Concen: 51.494 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV034745.D
 Acq: 19 Mar 2024 19:09

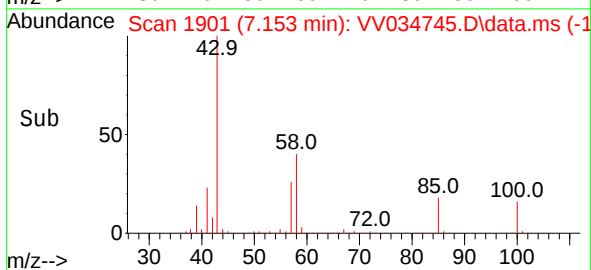
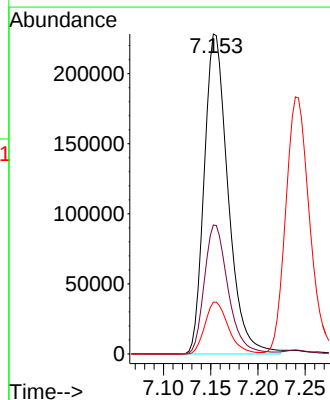
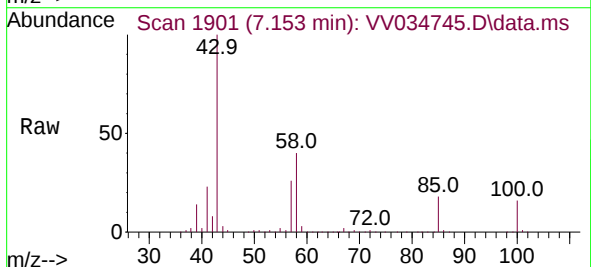
Instrument :
 MSVOA_V
 ClientSampleId :

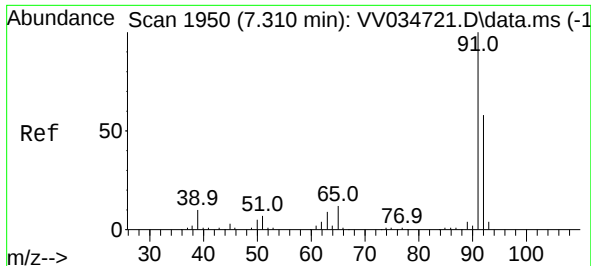
Tgt Ion: 75 Resp: 220481
 Ion Ratio Lower Upper
 75 100
 77 31.6 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 102.999 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VV034745.D
 Acq: 19 Mar 2024 19:09

Tgt Ion: 43 Resp: 401365
 Ion Ratio Lower Upper
 43 100
 58 40.3 30.6 46.0
 100 16.0 12.5 18.7





#42

Toluene

Concen: 48.947 ug/L

RT: 7.314 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

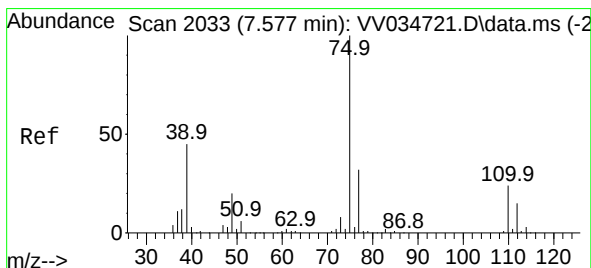
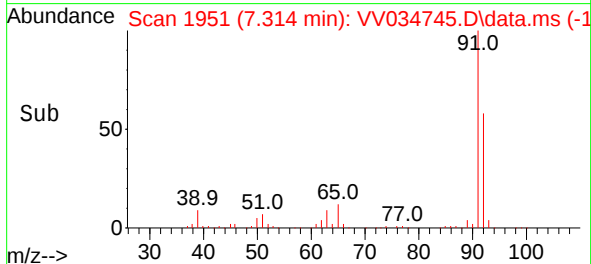
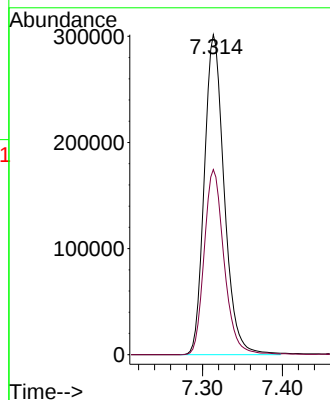
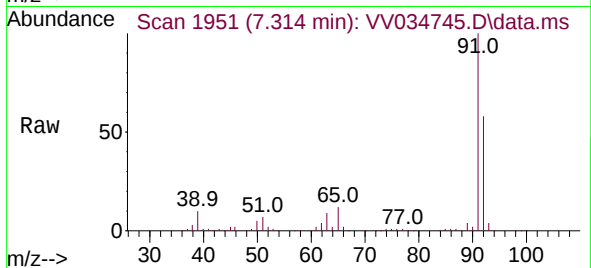
ClientSampleId :

Tgt Ion: 91 Resp: 522888

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 50.946 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034745.D

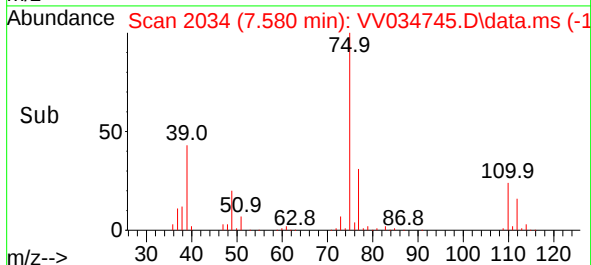
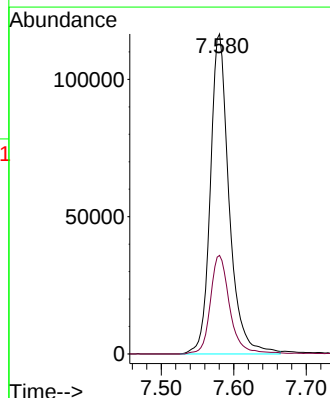
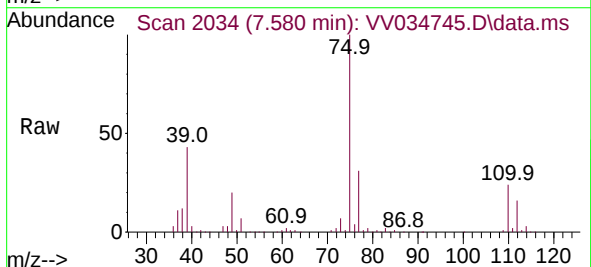
Acq: 19 Mar 2024 19:09

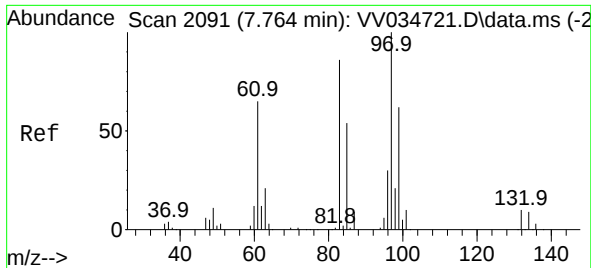
Tgt Ion: 75 Resp: 209793

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 53.090 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 135371

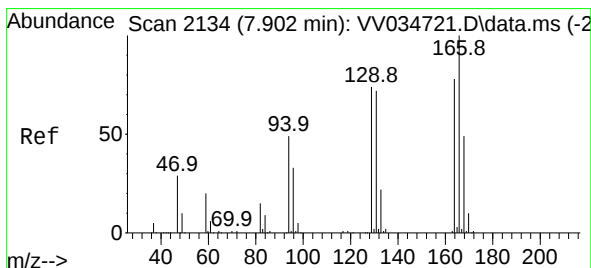
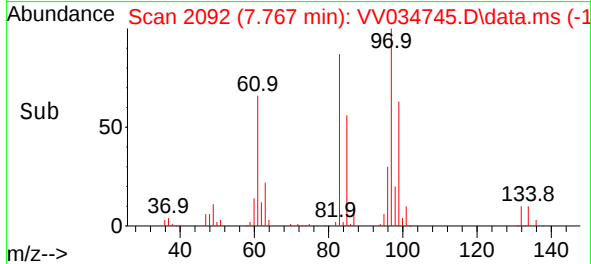
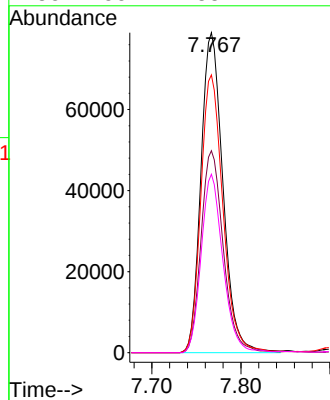
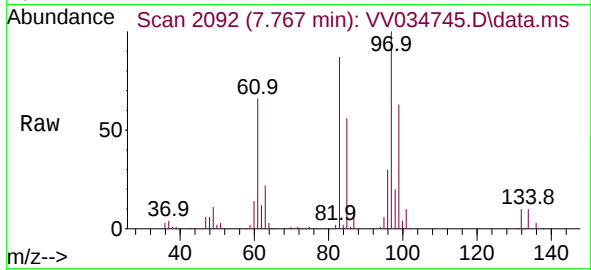
Ion Ratio Lower Upper

97 100

99 63.1 43.8 81.4

83 86.8 59.4 110.2

85 55.7 38.4 71.4



#46

Tetrachloroethene

Concen: 45.651 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Tgt Ion:164 Resp: 97411

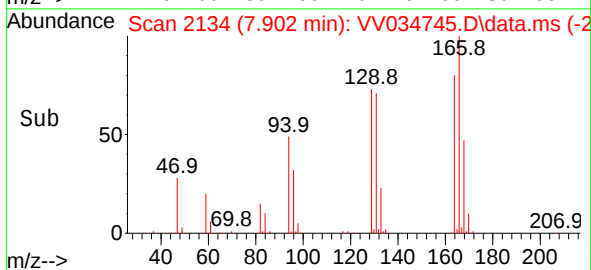
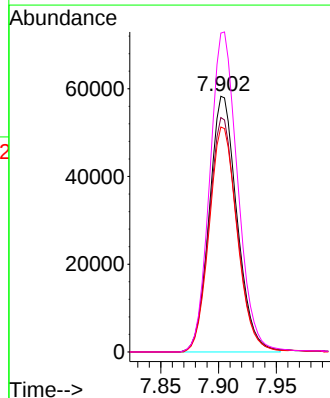
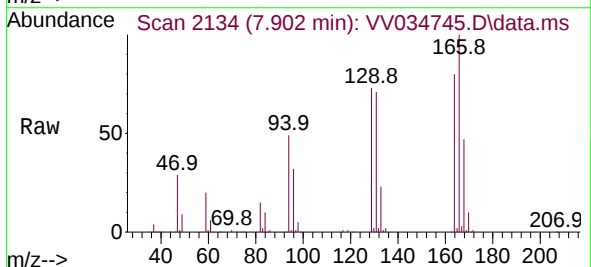
Ion Ratio Lower Upper

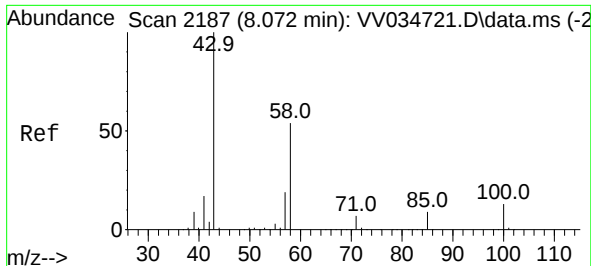
164 100

129 91.6 65.7 121.9

131 88.0 62.2 115.6

166 124.7 89.7 166.7

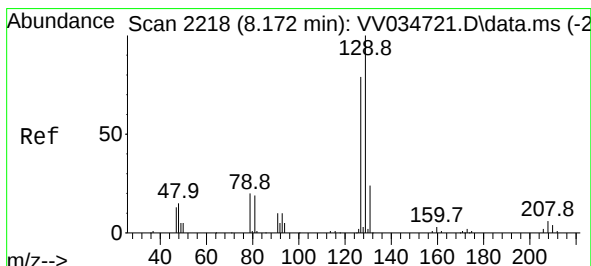
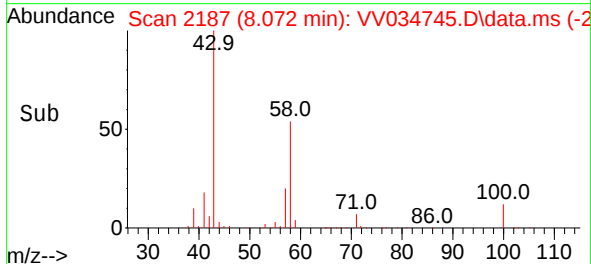
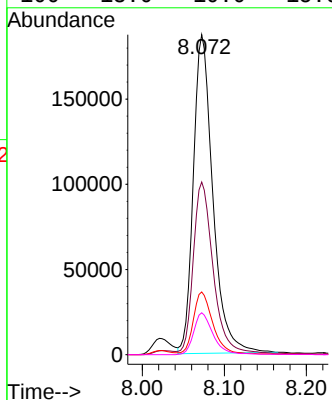
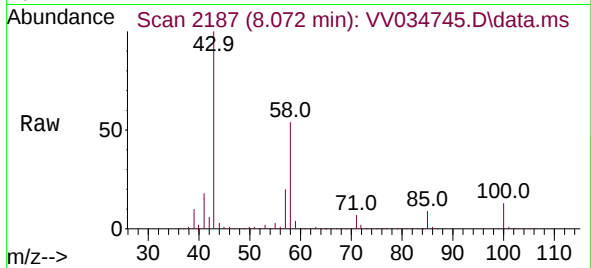




#48
2-Hexanone
Concen: 99.804 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

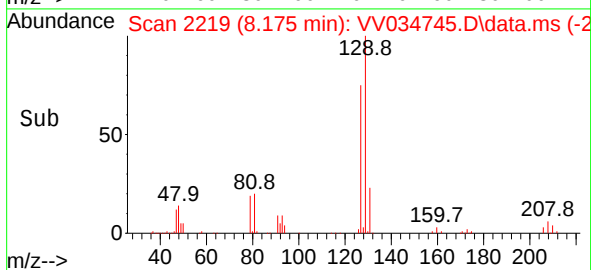
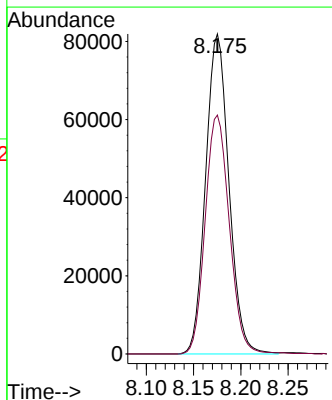
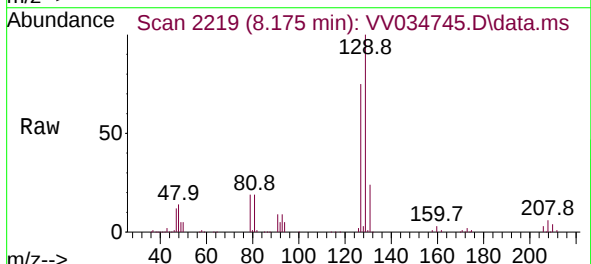
Instrument :
MSVOA_V
ClientSampleId :

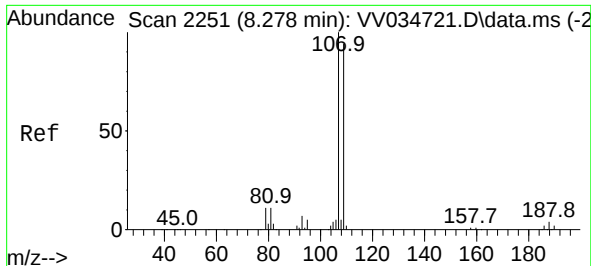
Tgt Ion: 43 Resp: 309905
Ion Ratio Lower Upper
43 100
58 54.7 42.0 63.0
57 18.9 15.2 22.8
100 13.0 10.0 15.0



#49
Dibromochloromethane
Concen: 52.198 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion: 129 Resp: 140453
Ion Ratio Lower Upper
129 100
127 74.6 53.3 98.9

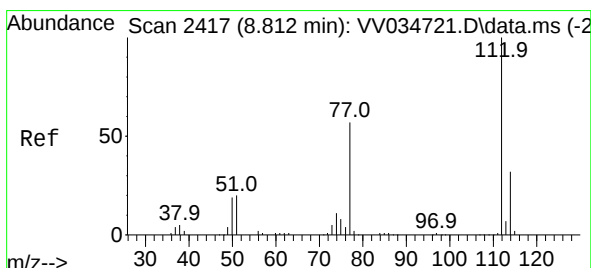
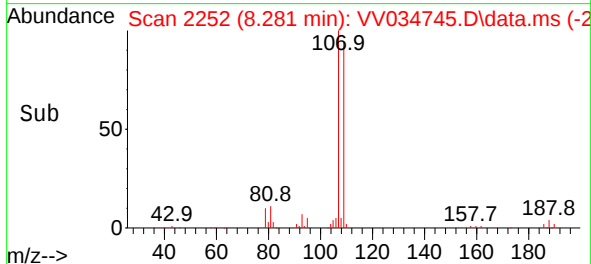
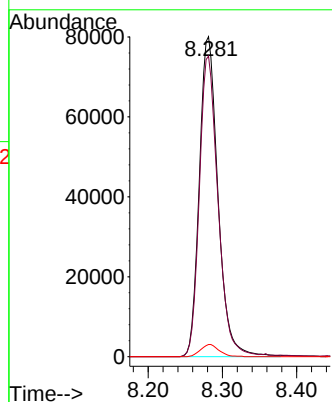
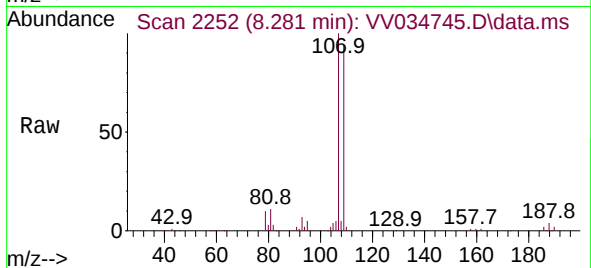




#50
1,2-Dibromoethane
Concen: 51.644 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

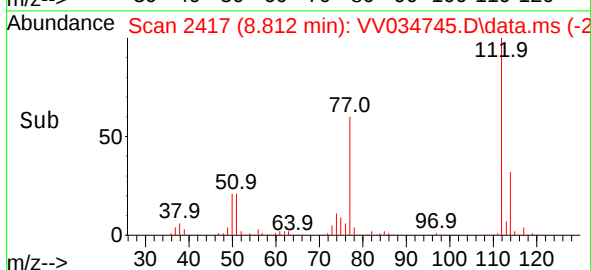
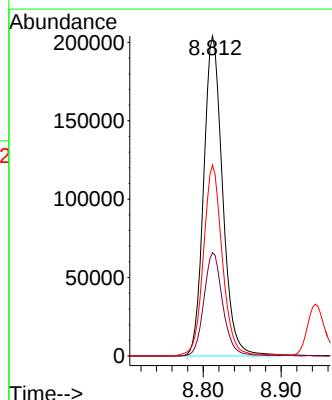
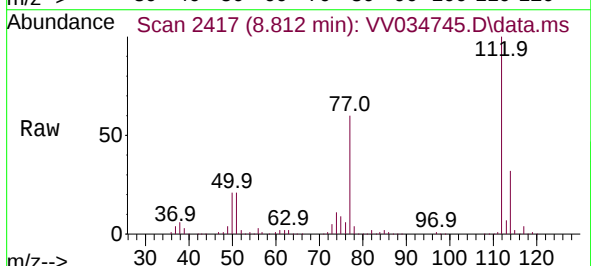
Instrument :
MSVOA_V
ClientSampleId :

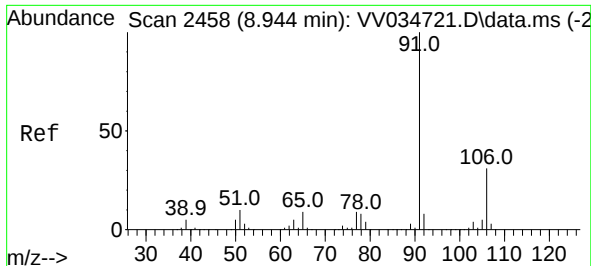
Tgt Ion:107 Resp: 139735
Ion Ratio Lower Upper
107 100
109 94.0 66.5 123.5
188 3.8 3.4 5.2



#51
Chlorobenzene
Concen: 49.841 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion:112 Resp: 344211
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 59.7 47.7 71.5





#52

Ethylbenzene

Concen: 49.171 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

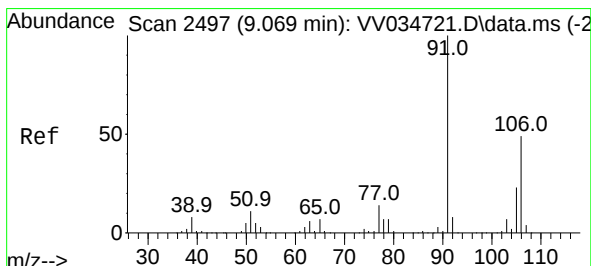
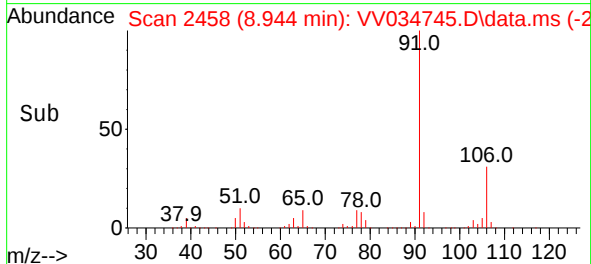
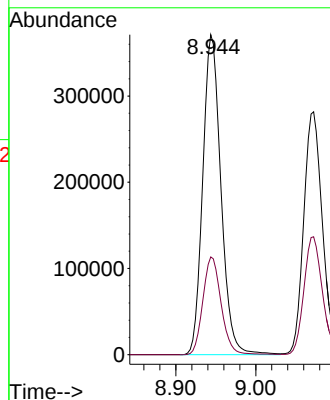
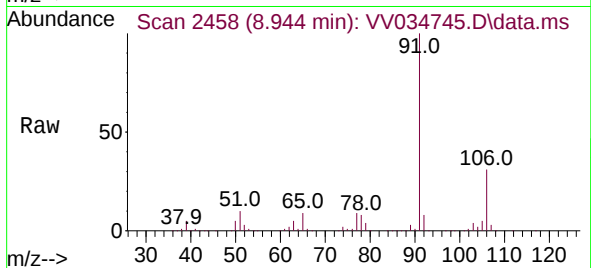
ClientSampleId :

Tgt Ion: 91 Resp: 588578

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.5



#53

m,p-Xylene

Concen: 48.702 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV034745.D

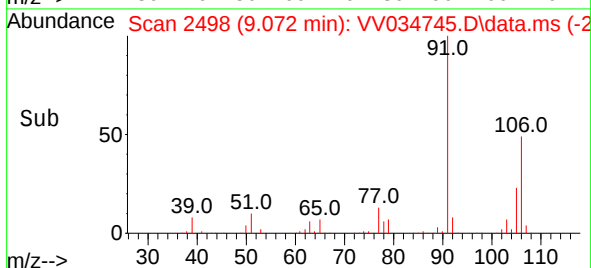
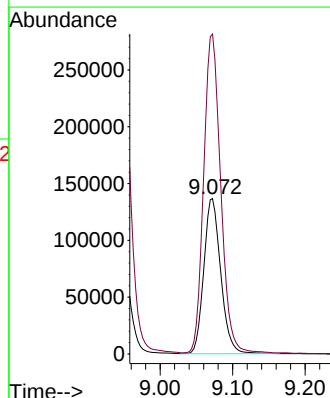
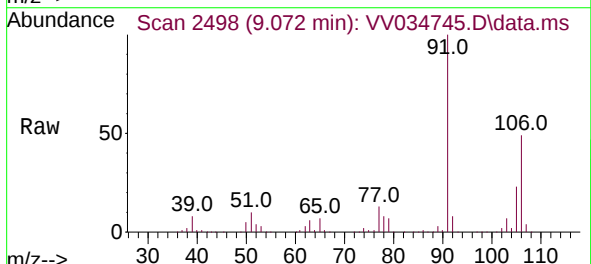
Acq: 19 Mar 2024 19:09

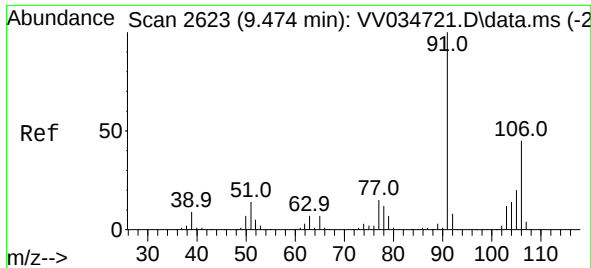
Tgt Ion:106 Resp: 221218

Ion Ratio Lower Upper

106 100

91 206.0 145.3 269.9

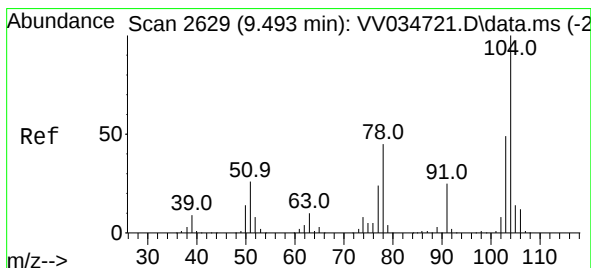
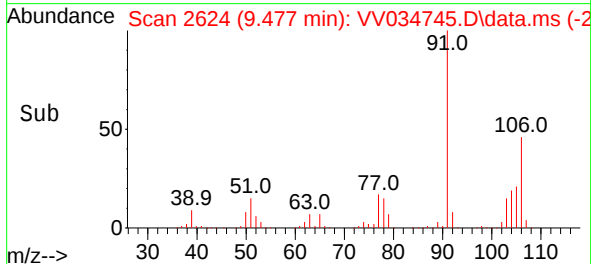
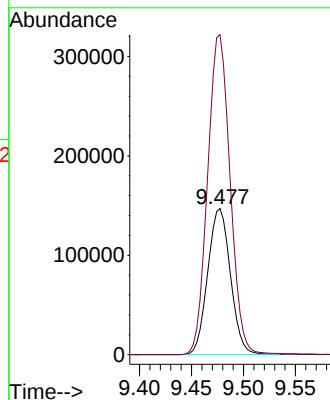
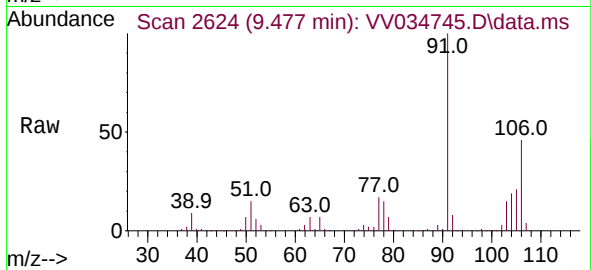




#54
o-Xylene
Concen: 50.339 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

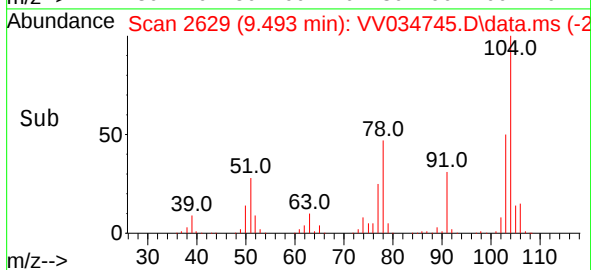
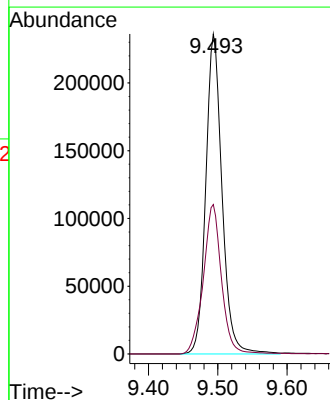
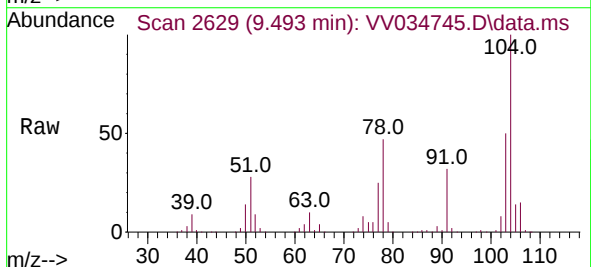
Instrument :
MSVOA_V
ClientSampleId :

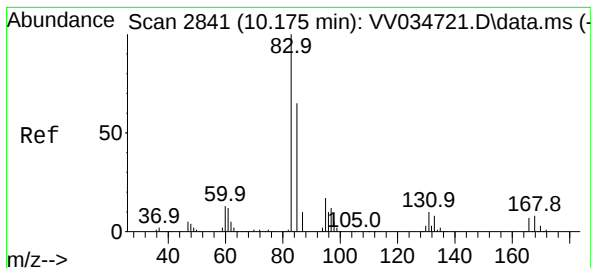
Tgt Ion:106 Resp: 223904
Ion Ratio Lower Upper
106 100
91 218.9 152.2 282.7



#55
Styrene
Concen: 50.899 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion:104 Resp: 383315
Ion Ratio Lower Upper
104 100
78 46.7 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 54.769 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

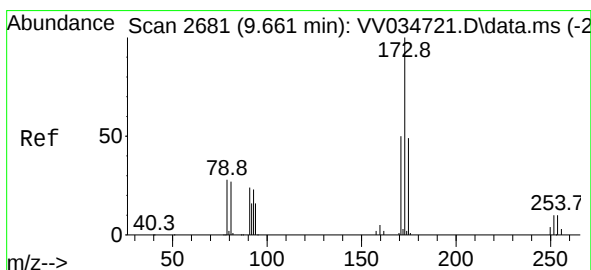
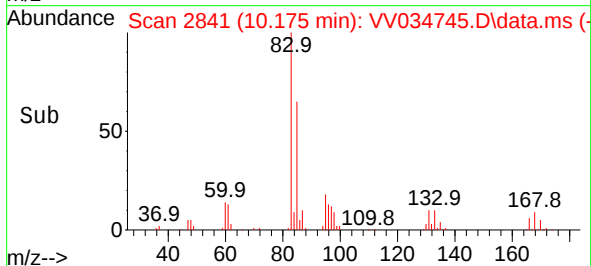
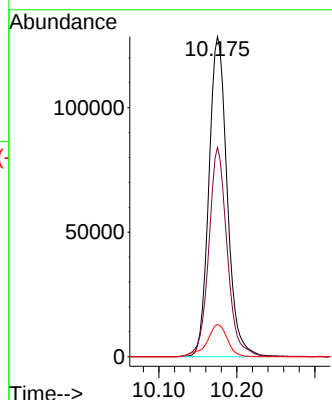
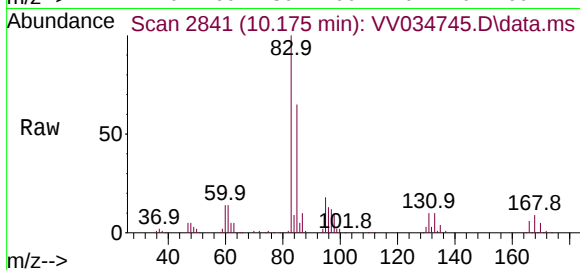
Tgt Ion: 83 Resp: 209752

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2

131 10.1 8.3 12.5



#59

Bromoform

Concen: 52.621 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

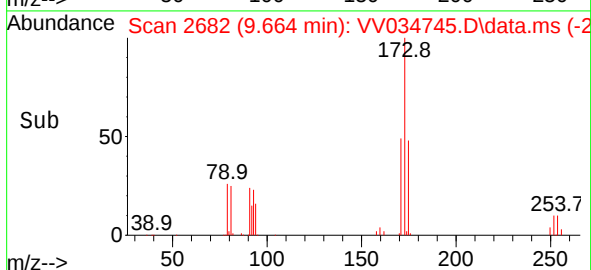
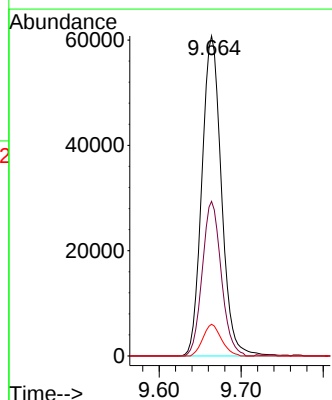
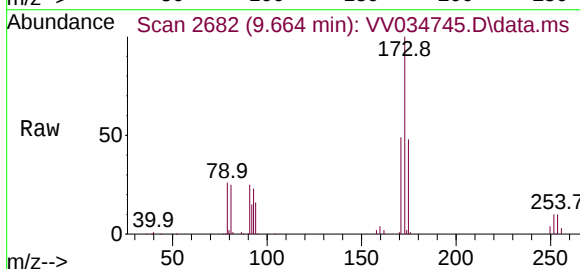
Tgt Ion:173 Resp: 100577

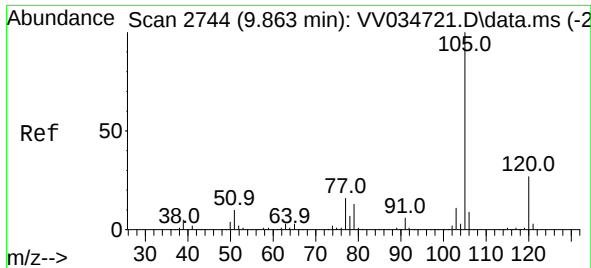
Ion Ratio Lower Upper

173 100

175 46.9 39.1 58.7

254 9.4 7.8 11.8

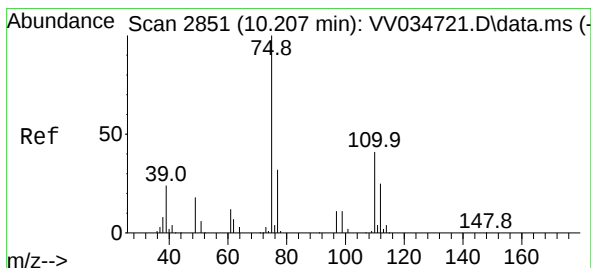
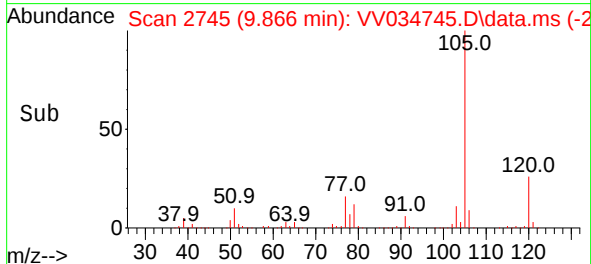
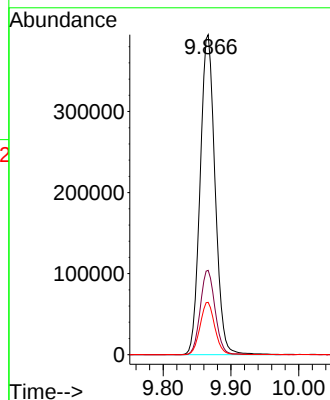
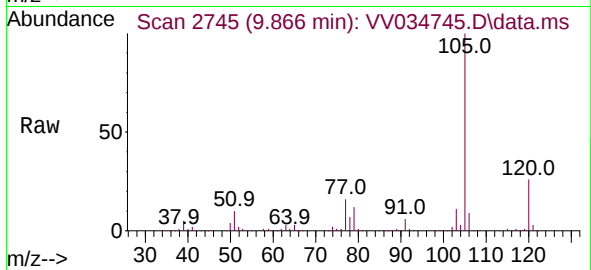




#60
Isopropylbenzene
Concen: 49.475 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

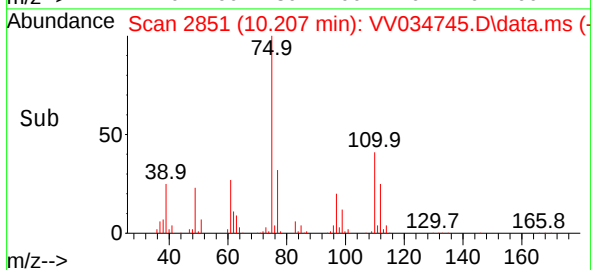
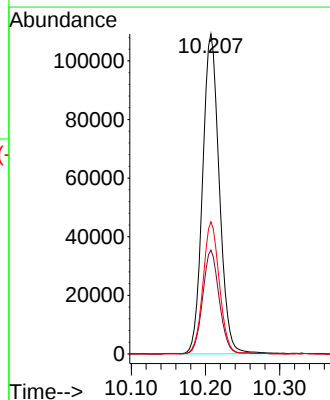
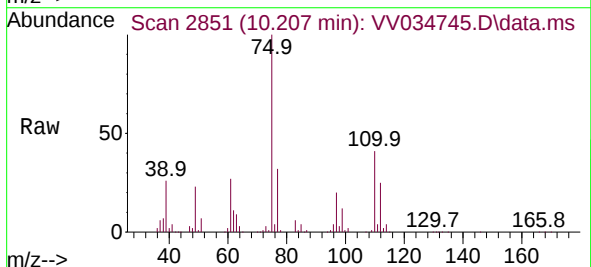
Instrument :
MSVOA_V
ClientSampleId :

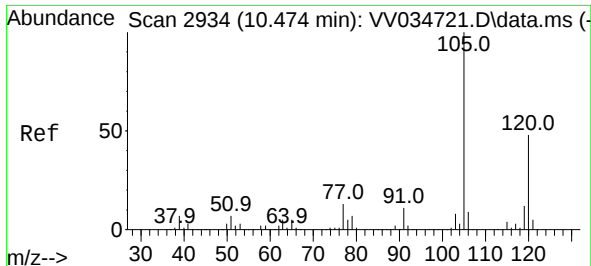
Tgt Ion:105 Resp: 603220
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 51.776 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion: 75 Resp: 170384
Ion Ratio Lower Upper
75 100
77 31.7 25.9 38.9
110 40.3 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 48.944 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

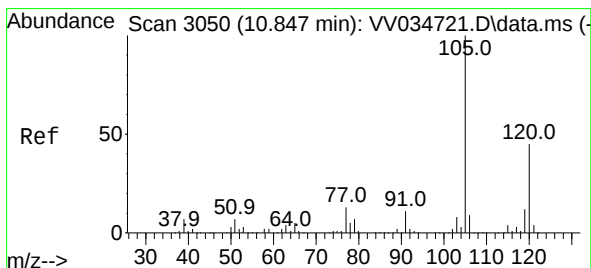
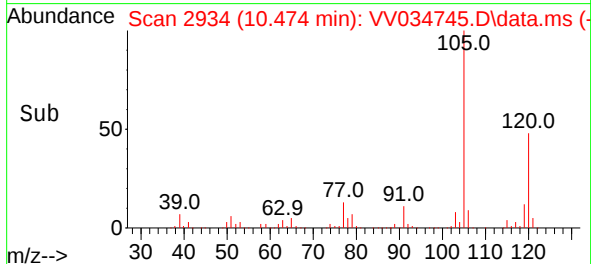
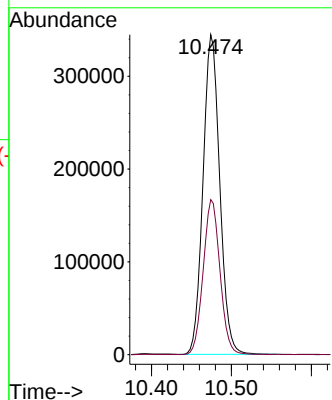
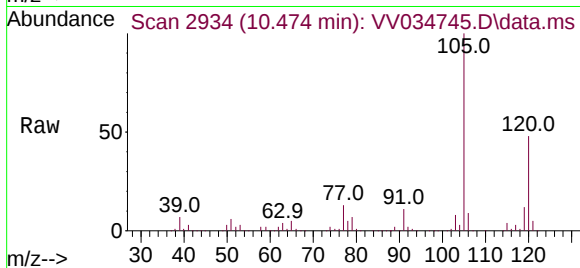
ClientSampleId :

Tgt Ion:105 Resp: 503386

Ion Ratio Lower Upper

105 100

120 48.5 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 49.986 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV034745.D

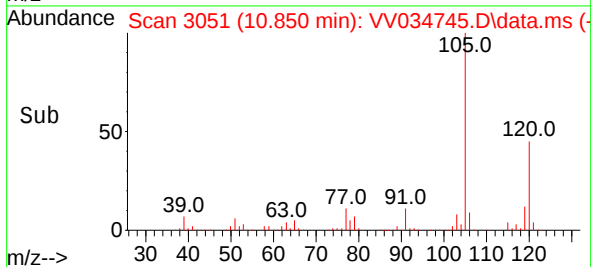
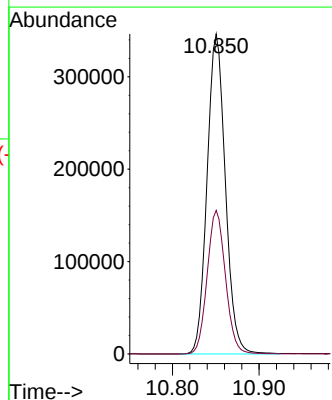
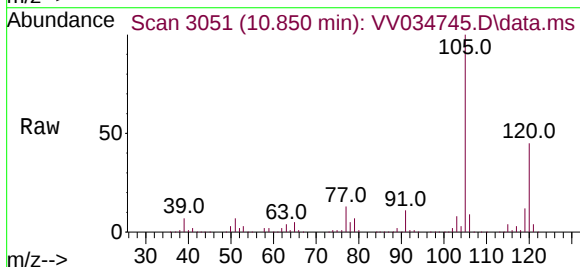
Acq: 19 Mar 2024 19:09

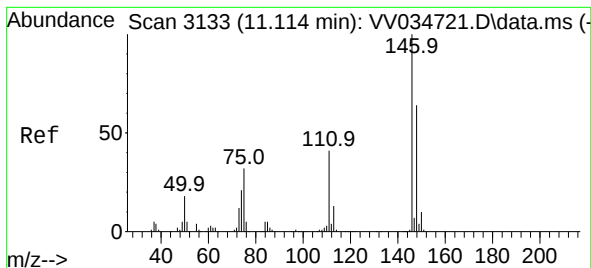
Tgt Ion:105 Resp: 508469

Ion Ratio Lower Upper

105 100

120 44.9 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 48.522 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

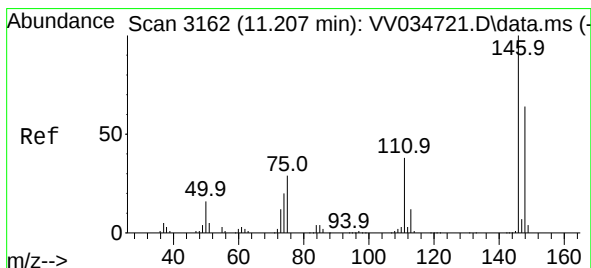
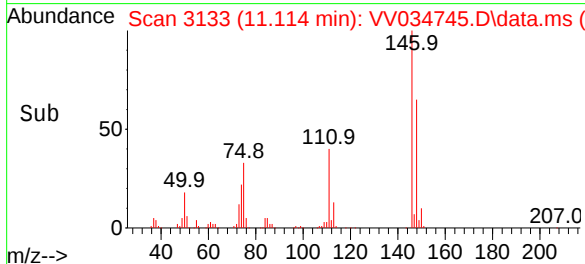
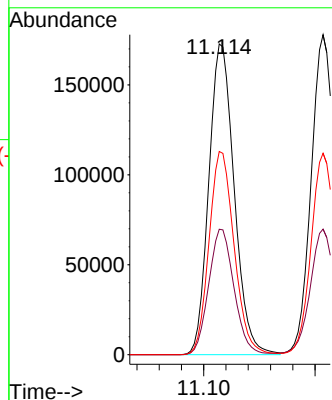
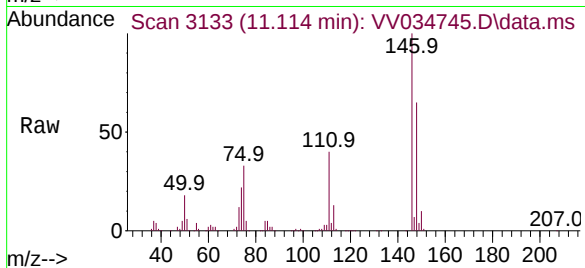
Tgt Ion:146 Resp: 273535

Ion Ratio Lower Upper

146 100

111 40.4 27.9 51.7

148 65.4 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 48.130 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

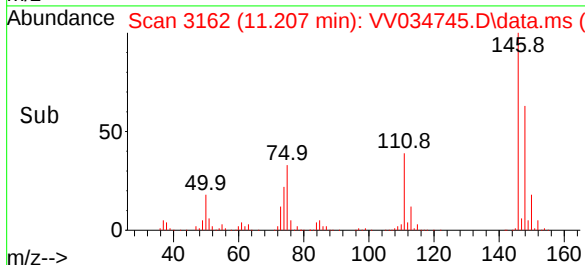
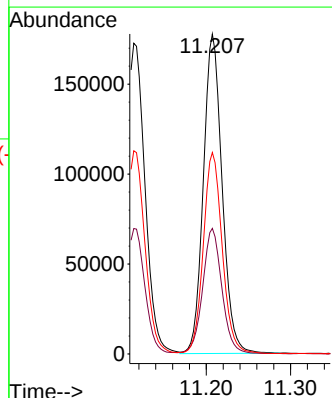
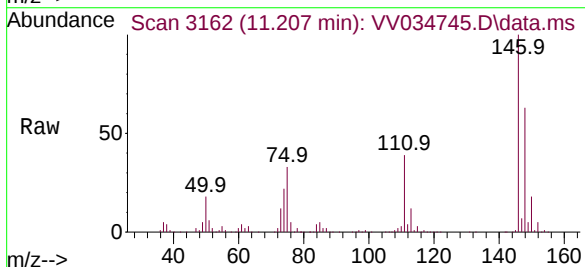
Tgt Ion:146 Resp: 275530

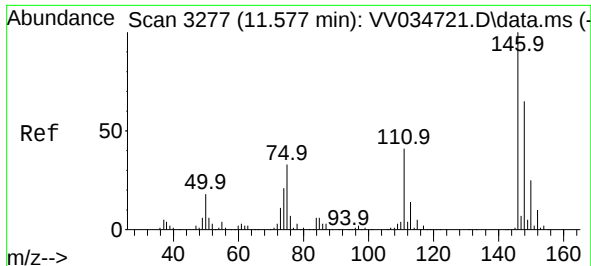
Ion Ratio Lower Upper

146 100

111 39.2 26.5 49.1

148 63.0 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 49.493 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :

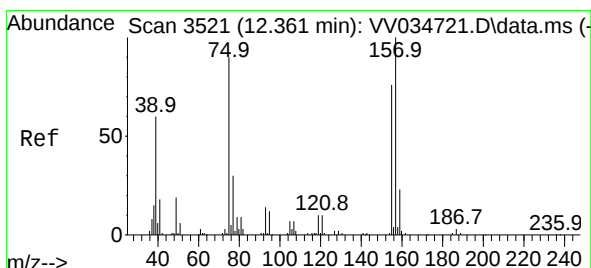
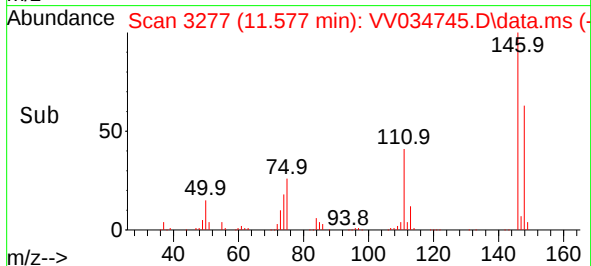
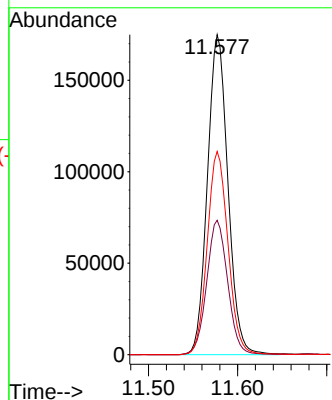
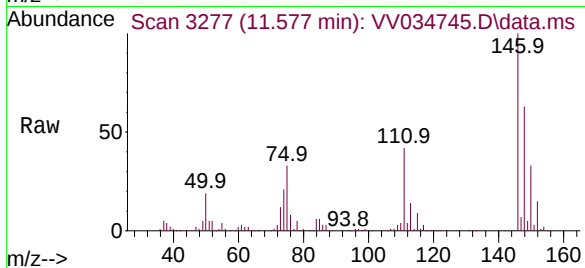
Tgt Ion:146 Resp: 279576

Ion Ratio Lower Upper

146 100

111 42.0 33.8 50.8

148 63.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 50.734 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

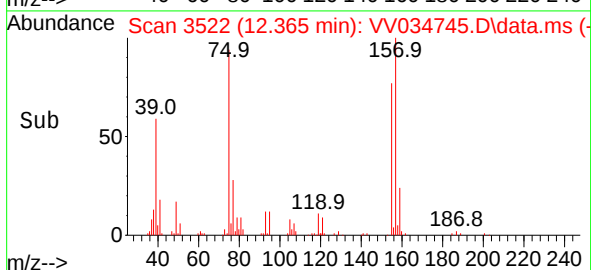
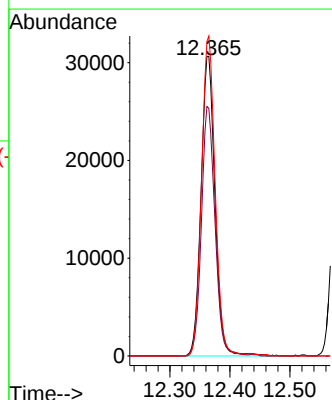
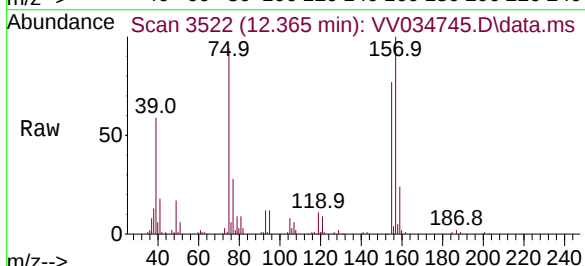
Tgt Ion: 75 Resp: 49733

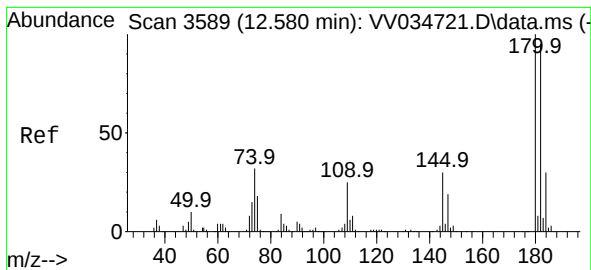
Ion Ratio Lower Upper

75 100

155 82.6 63.3 94.9

157 106.8 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 46.044 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

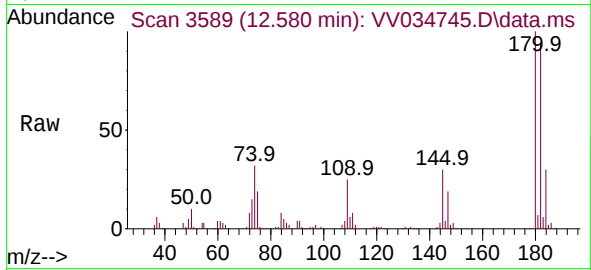
Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 194722

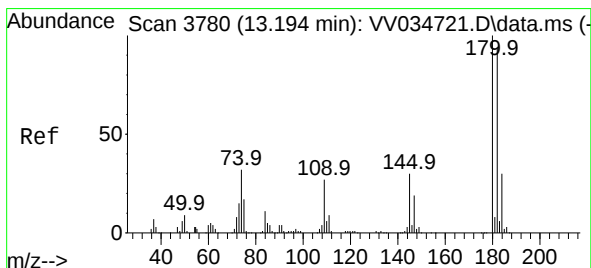
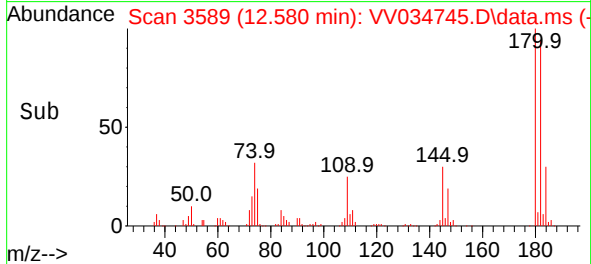
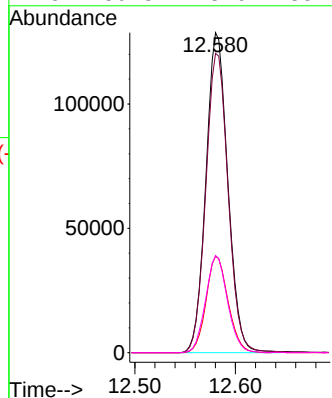
Ion Ratio Lower Upper

180 100

182 95.1 74.6 112.0

184 30.2 23.6 35.4

145 30.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 45.845 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV034745.D

Acq: 19 Mar 2024 19:09

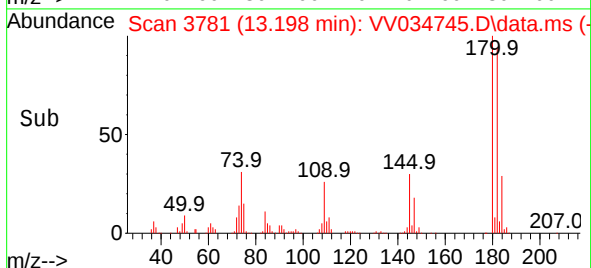
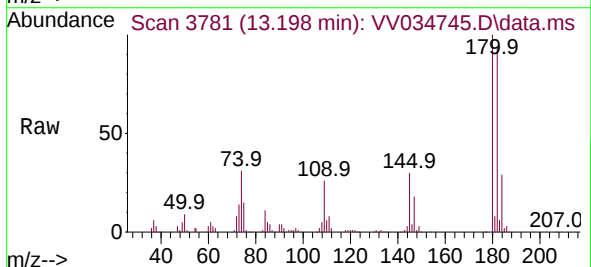
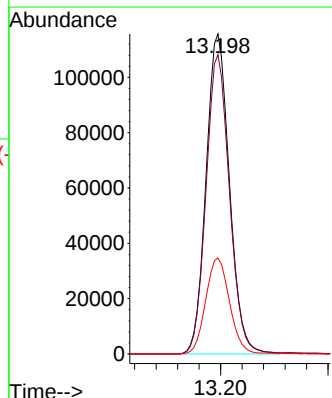
Tgt Ion:180 Resp: 174456

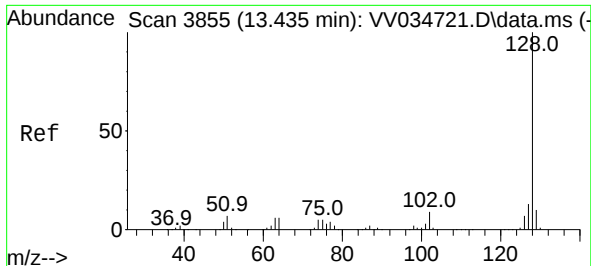
Ion Ratio Lower Upper

180 100

182 93.8 74.8 112.2

145 30.7 24.2 36.4

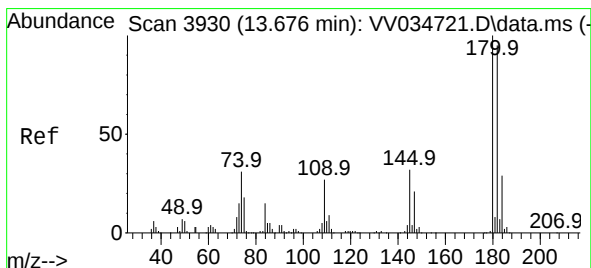
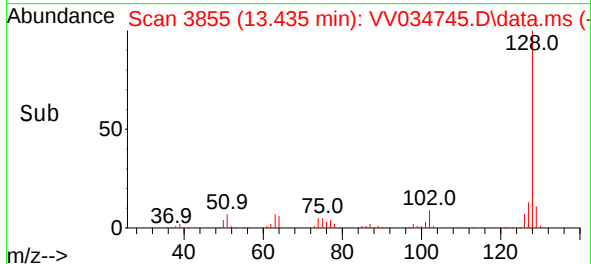
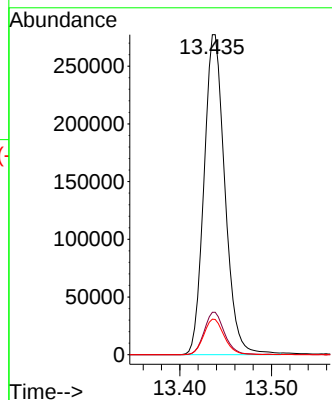
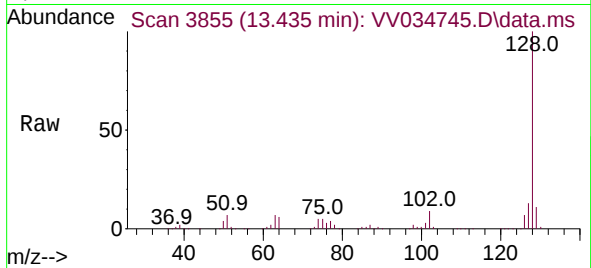




#71
Naphthalene
Concen: 43.053 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 438239
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 47.259 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV034745.D
Acq: 19 Mar 2024 19:09

Tgt Ion:180 Resp: 175437
Ion Ratio Lower Upper
180 100
182 96.4 75.9 113.9
145 33.5 25.5 38.3

