

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020724\
 Data File : VW034043.D
 Acq On : 07 Feb 2024 20:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 08 04:53:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 08 04:46:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	85353	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	78335	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	42208	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	23291	3.523	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.532	69	22311	3.853	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.060	65	12024	3.772	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.400%
20) 2-Butanone-d5	3.799	46	56204	50.625	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.260%
24) Chloroform-d	4.252	84	53757	4.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	4.944	65	26415	4.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	4.963	84	96990	4.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	5.992	67	27965	4.257	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.200%
41) Toluene-d8	7.243	98	90504	4.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.558	79	10480	4.225	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.027	63	47833	54.015	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.020%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	19208	4.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	33445	4.357	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	35390	4.525	ug/L	99
3) Chloromethane	1.214	50	38141	4.470	ug/L	99
5) Vinyl chloride	1.281	62	37526	4.603	ug/L	89
6) Bromomethane	1.487	94	20726	4.827	ug/L	98
8) Chloroethane	1.548	64	23027	4.140	ug/L	95
9) Trichlorofluoromethane	1.712	101	58493	4.979	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	29365	4.781	ug/L	99
12) 1,1-Dichloroethene	2.069	96	29187	4.895	ug/L	93
13) Acetone	2.124	43	39885	47.355	ug/L #	38
14) Carbon disulfide	2.240	76	81585	4.229	ug/L	99
15) Methyl Acetate	2.381	43	9470	4.751	ug/L	98
16) Methylene chloride	2.449	84	27697	4.841	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	65946	5.383	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	28079	4.623	ug/L	97
19) 1,1-Dichloroethane	3.114	63	53328	4.779	ug/L	94
21) 2-Butanone	3.879	43	53099	47.707	ug/L #	50
22) cis-1,2-Dichloroethene	3.815	96	31025	4.503	ug/L	97
23) Bromochloromethane	4.153	128	12418	5.184	ug/L	92
25) Chloroform	4.278	83	55918	4.957	ug/L	96

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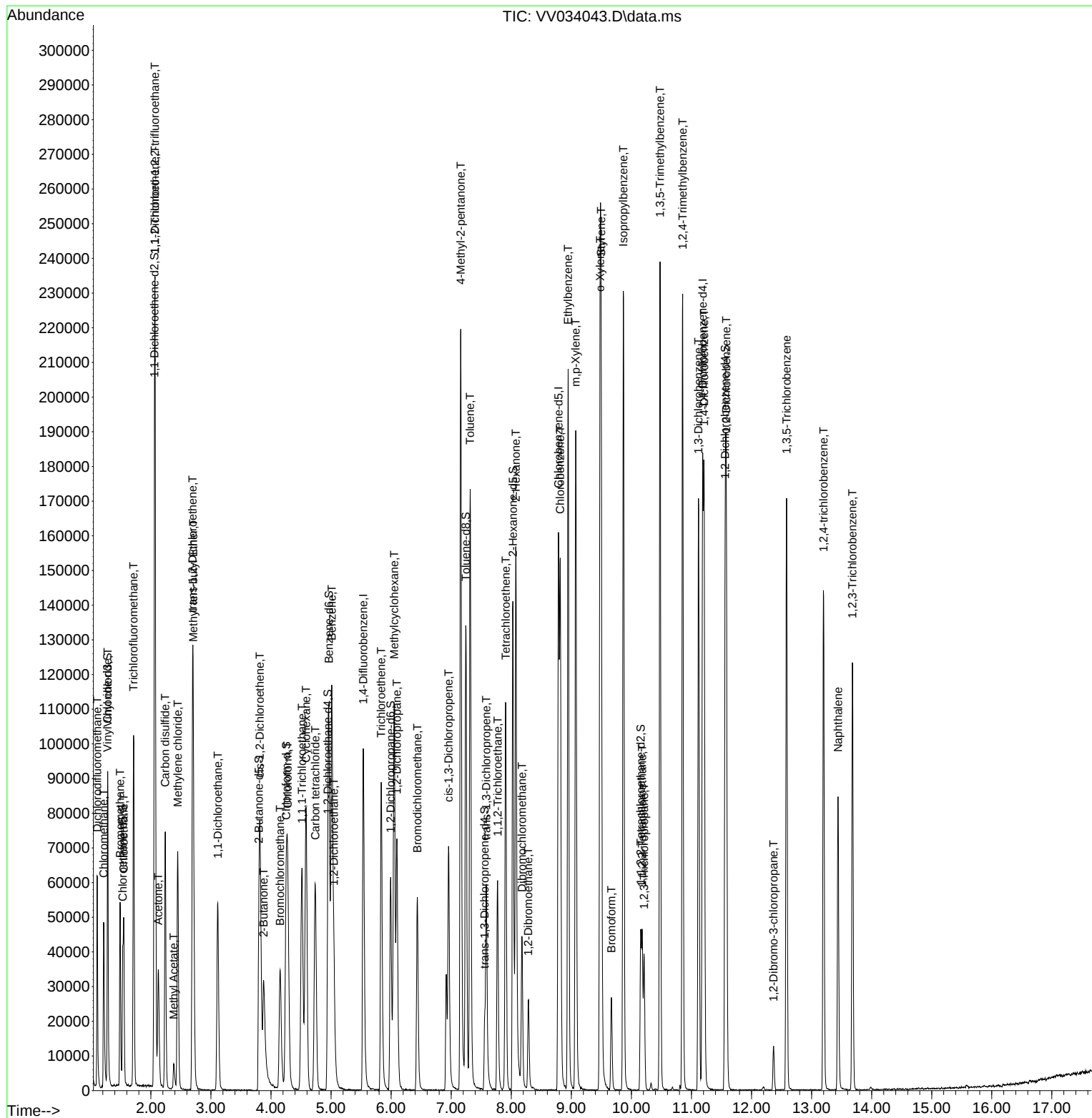
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	33560	5.196	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	53644	5.101	ug/L	99
30) Cyclohexane	4.584	56	45491	4.448	ug/L	97
31) Carbon tetrachloride	4.738	117	45519	4.946	ug/L	99
33) Benzene	5.011	78	113238	4.820	ug/L	100
34) Trichloroethene	5.834	95	31076	4.570	ug/L	98
35) Methylcyclohexane	6.053	83	47431	4.444	ug/L	98
37) 1,2-Dichloropropane	6.095	63	26782	4.706	ug/L	99
38) Bromodichloromethane	6.436	83	37417	5.008	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	42324	4.887	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	146714	53.833	ug/L	99
42) Toluene	7.317	91	124194	4.946	ug/L	97
44) trans-1,3-Dichloropropene	7.583	75	34629	5.208	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	18669	5.312	ug/L	96
47) Tetrachloroethene	7.908	164	24763	4.482	ug/L	97
48) 2-Hexanone	8.075	43	102756	53.489	ug/L	99
49) Dibromochloromethane	8.178	129	21676	5.190	ug/L	100
50) 1,2-Dibromoethane	8.284	107	17412	5.520	ug/L #	99
51) Chlorobenzene	8.815	112	79367	4.999	ug/L	97
52) Ethylbenzene	8.947	91	140876	4.874	ug/L	99
53) m,p-Xylene	9.072	106	53166	4.867	ug/L	99
54) o-Xylene	9.480	106	51824	4.920	ug/L	100
55) Styrene	9.497	104	86915	5.154	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	19550	5.271	ug/L	97
59) Bromoform	9.667	173	11349	4.881	ug/L	98
60) Isopropylbenzene	9.866	105	143851	4.606	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	15079	5.197	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	121564	4.604	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	120039	4.679	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	65200	4.788	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	65268	4.840	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	58632	5.013	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	3415	5.616	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	49513	4.698	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	40974	4.981	ug/L	100
71) Naphthalene	13.442	128	65507	6.077	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	35620	5.404	ug/L	98

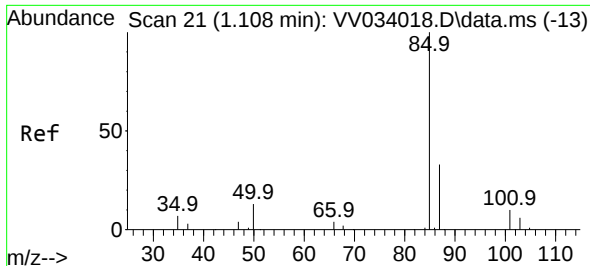
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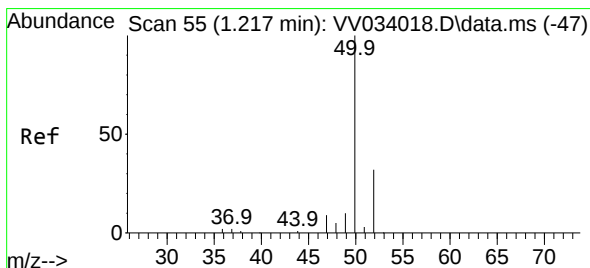
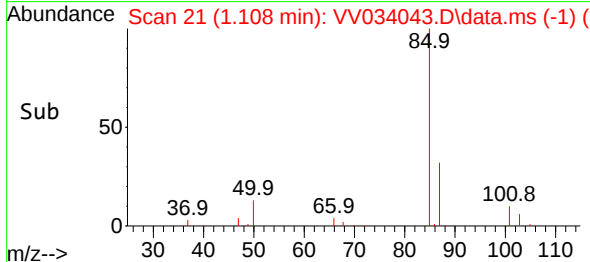
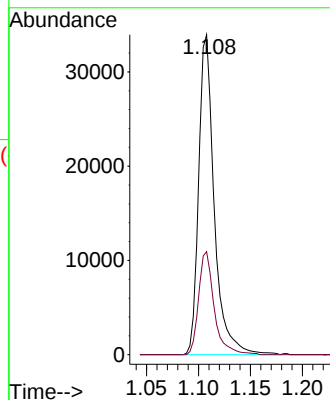
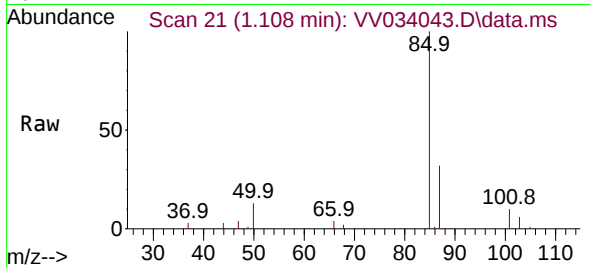




#2
 Dichlorodifluoromethane
 Concen: 4.525 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV034043.D
 Acq: 07 Feb 2024 20:08

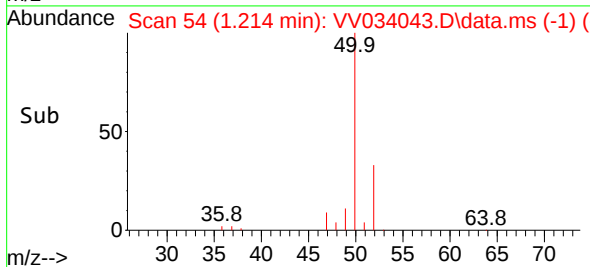
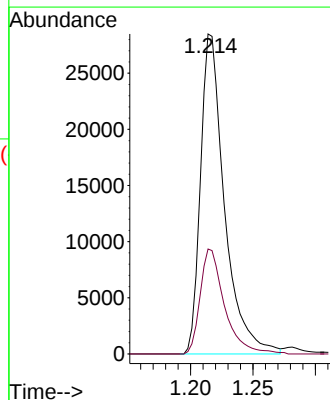
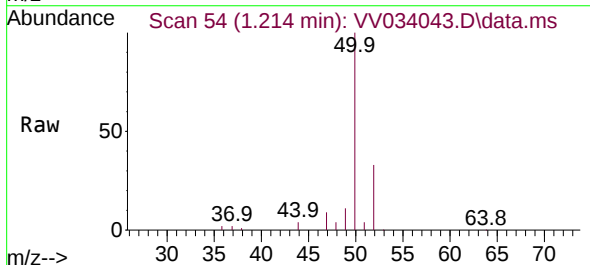
Instrument :
 MSVOA_V
 ClientSampleId :

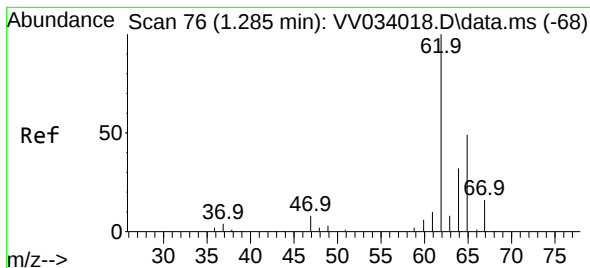
Tgt Ion: 85 Resp: 35390
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.2 39.4



#3
 Chloromethane
 Concen: 4.470 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV034043.D
 Acq: 07 Feb 2024 20:08

Tgt Ion: 50 Resp: 38141
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.4 43.4





#5

Vinyl chloride

Concen: 4.603 ug/L

RT: 1.281 min Scan# 71

Delta R.T. -0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

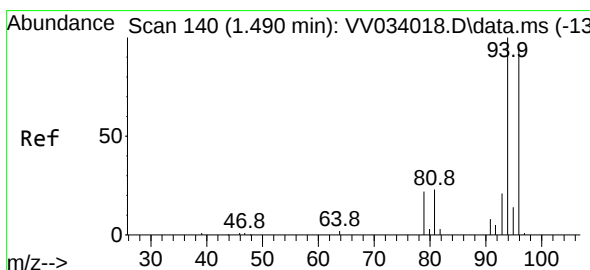
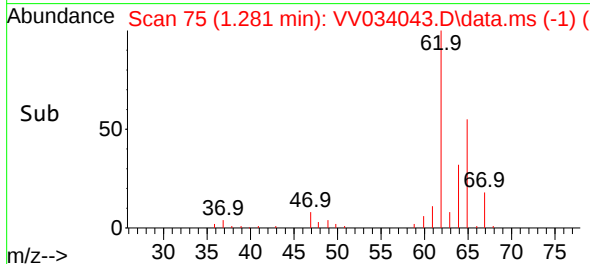
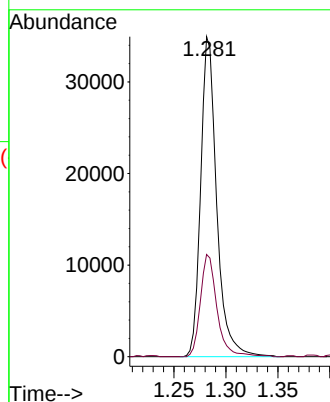
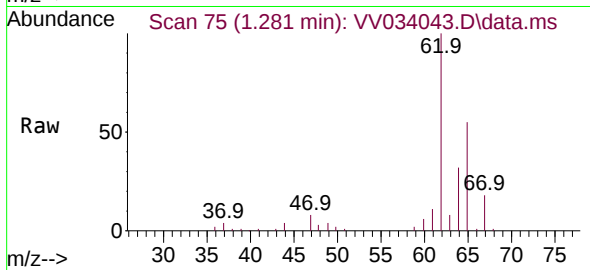
ClientSampleId :

Tgt Ion: 62 Resp: 37526

Ion Ratio Lower Upper

62 100

64 32.0 27.2 50.4



#6

Bromomethane

Concen: 4.827 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV034043.D

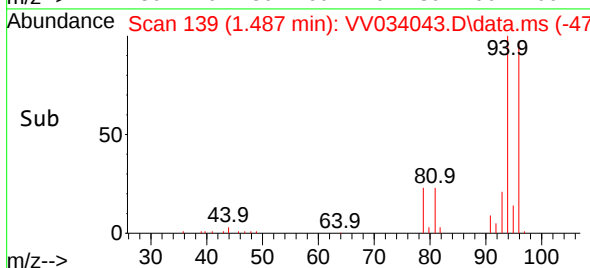
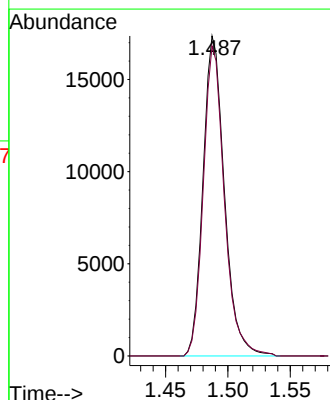
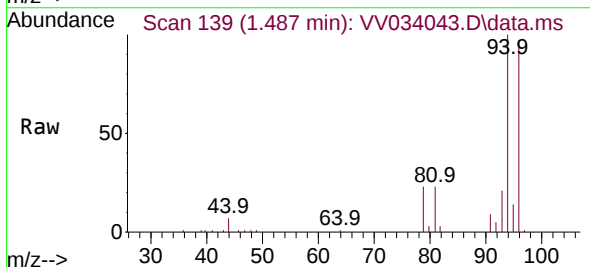
Acq: 07 Feb 2024 20:08

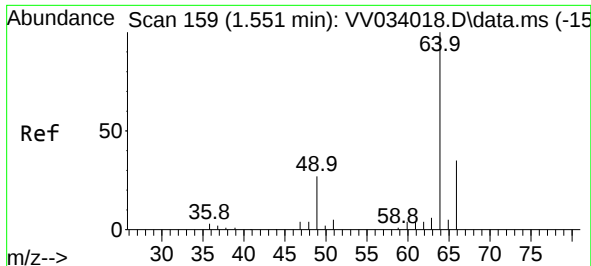
Tgt Ion: 94 Resp: 20726

Ion Ratio Lower Upper

94 100

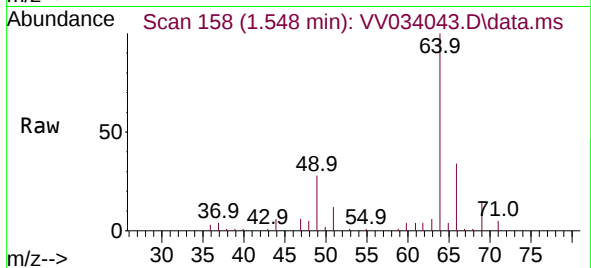
96 96.8 66.6 123.8



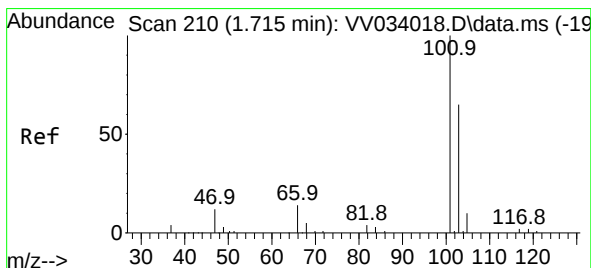
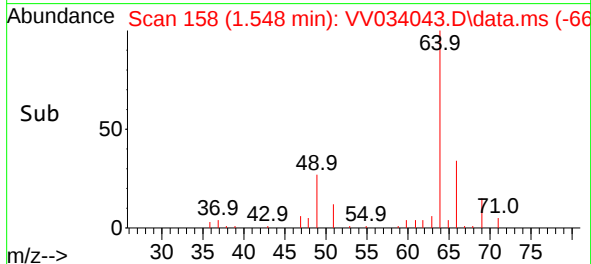
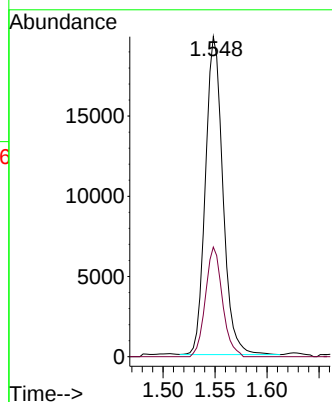


#8
Chloroethane
Concen: 4.140 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Instrument :
MSVOA_V
ClientSampleId :

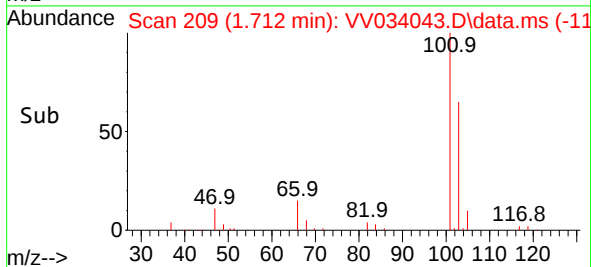
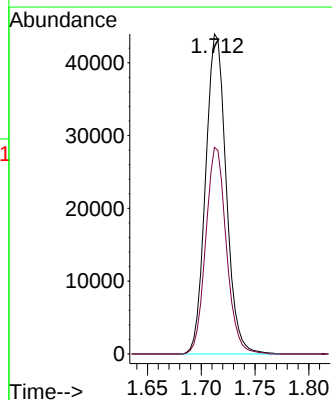
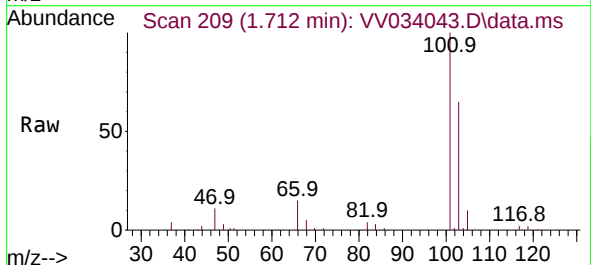


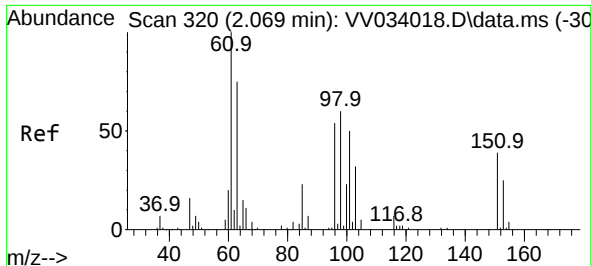
Tgt Ion: 64 Resp: 23027
Ion Ratio Lower Upper
64 100
66 34.3 22.0 41.0



#9
Trichlorofluoromethane
Concen: 4.979 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion:101 Resp: 58493
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.4





#10

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

Concen: 4.781 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

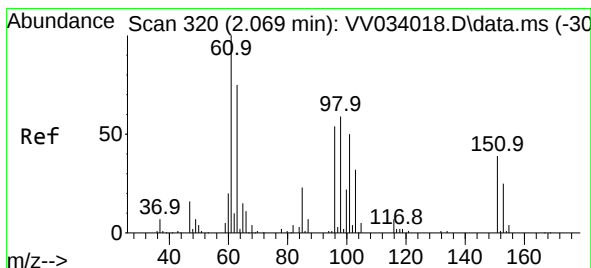
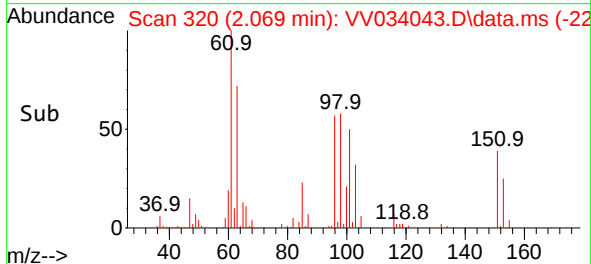
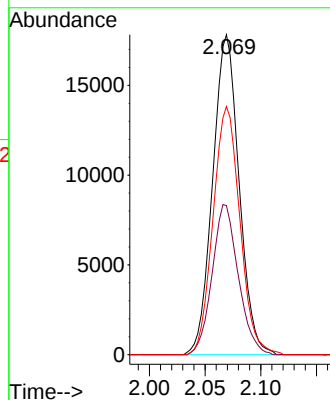
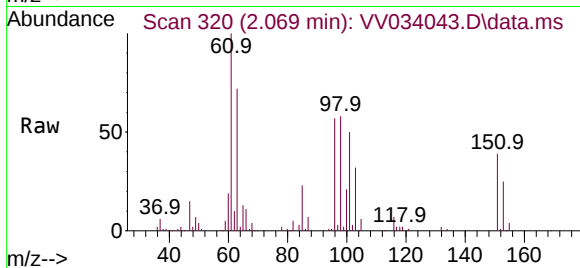
Tgt Ion:101 Resp: 29365

Ion Ratio Lower Upper

101 100

85 46.5 37.1 55.7

151 78.9 61.7 92.5



#12

1,1-Dichloroethene

Concen: 4.895 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

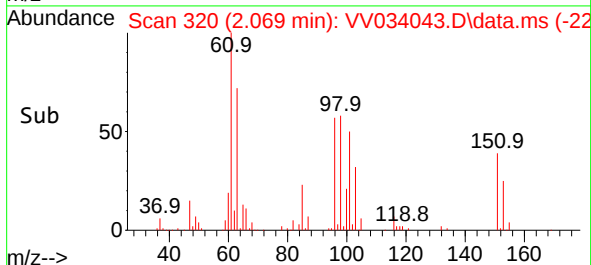
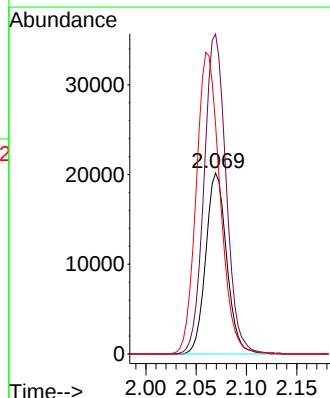
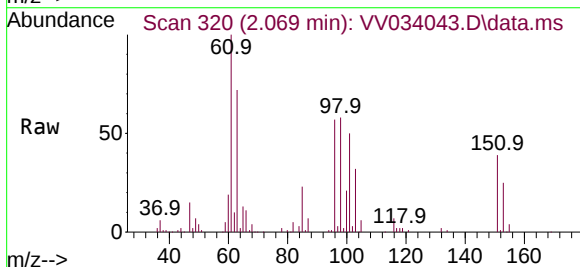
Tgt Ion: 96 Resp: 29187

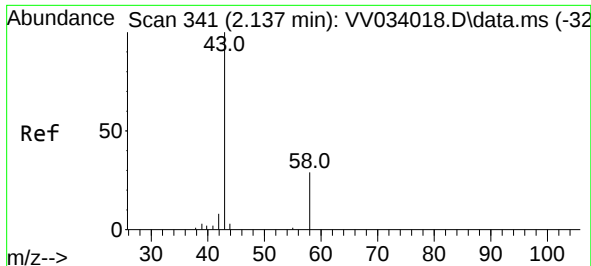
Ion Ratio Lower Upper

96 100

61 176.9 128.8 239.2

63 127.0 97.9 181.9





#13

Acetone

Concen: 47.355 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

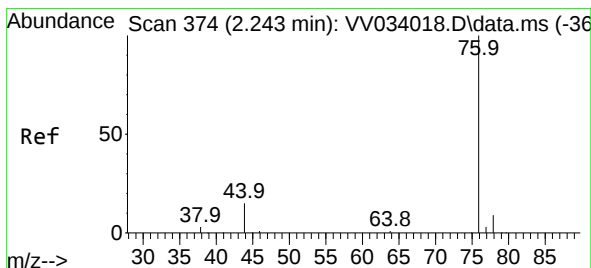
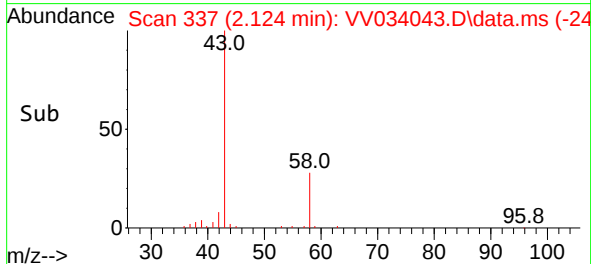
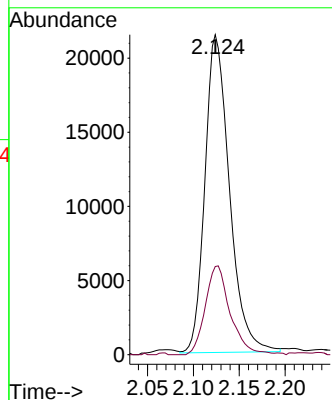
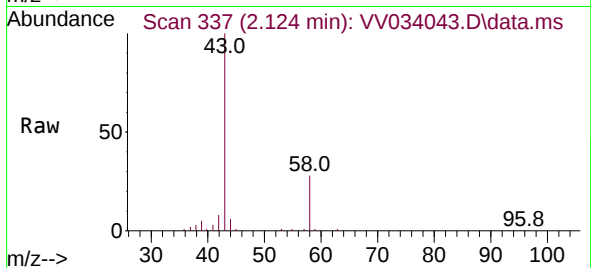
ClientSampleId :

Tgt Ion: 43 Resp: 39885

Ion Ratio Lower Upper

43 100

58 28.3 0.0 13.8#



#14

Carbon disulfide

Concen: 4.229 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV034043.D

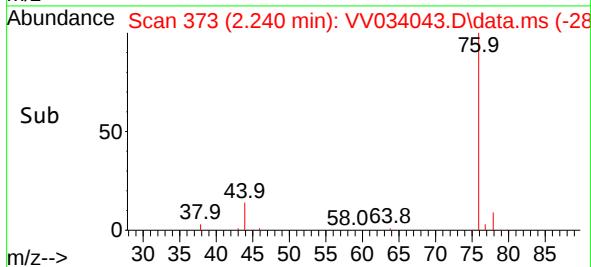
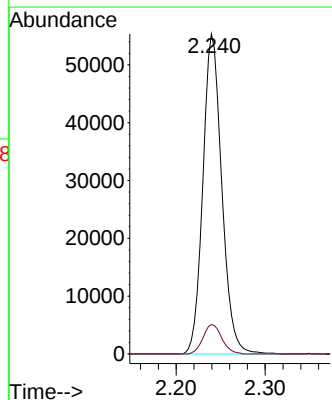
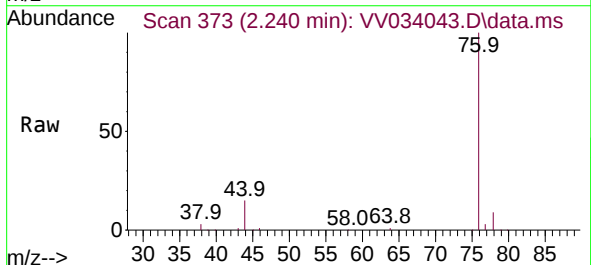
Acq: 07 Feb 2024 20:08

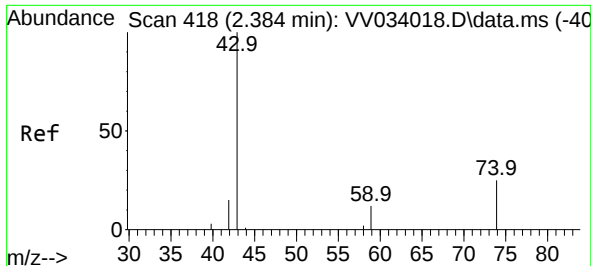
Tgt Ion: 76 Resp: 81585

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 4.751 ug/L

RT: 2.381 min Scan# 418

Delta R.T. -0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

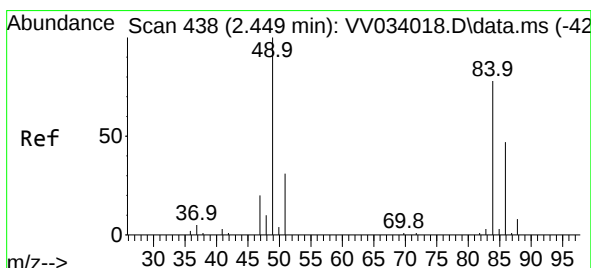
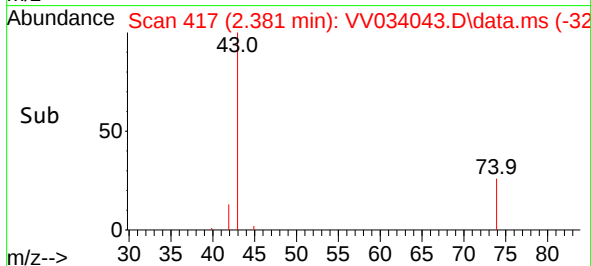
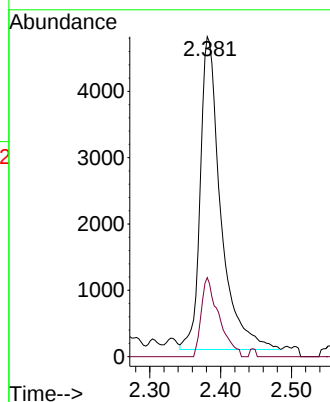
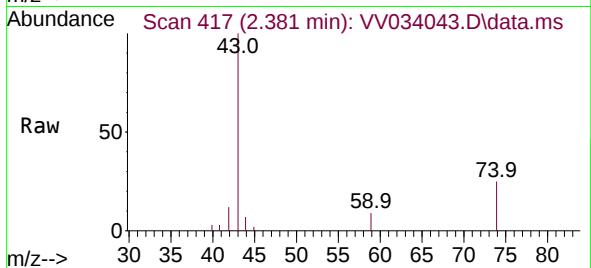
ClientSampleId :

Tgt Ion: 43 Resp: 9470

Ion Ratio Lower Upper

43 100

74 21.7 18.2 27.4



#16

Methylene chloride

Concen: 4.841 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

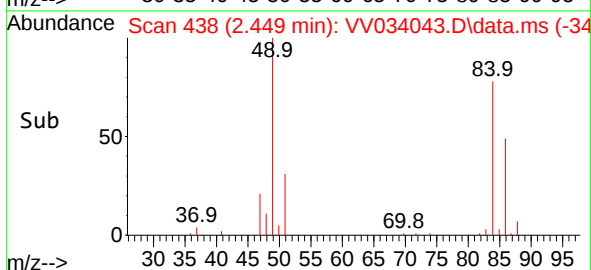
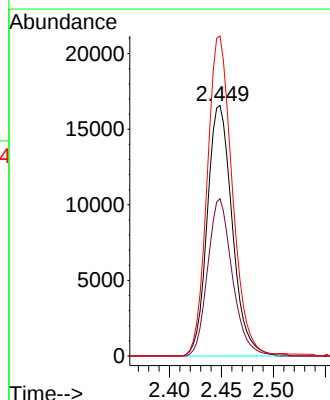
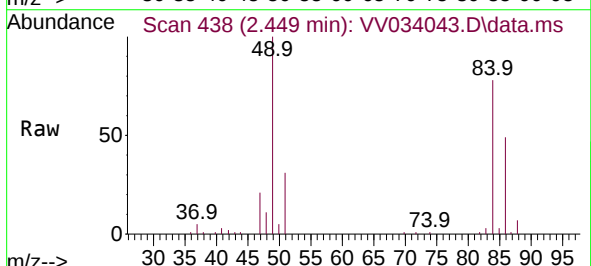
Tgt Ion: 84 Resp: 27697

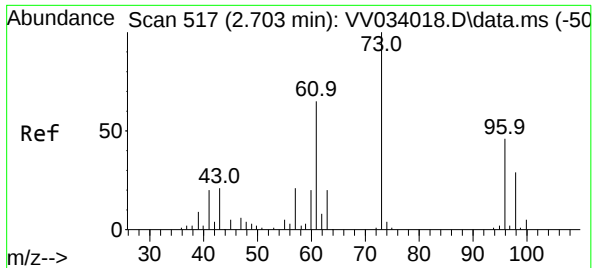
Ion Ratio Lower Upper

84 100

86 62.8 44.7 83.1

49 127.8 93.7 173.9





#17

Methyl tert-butyl Ether

Concen: 5.383 ug/L

RT: 2.706 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

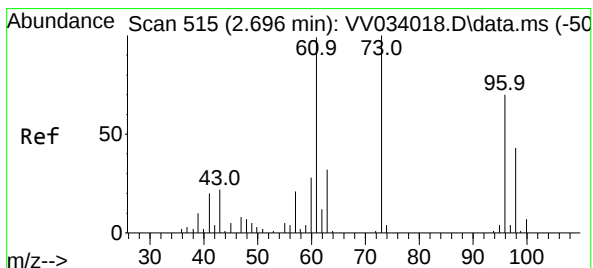
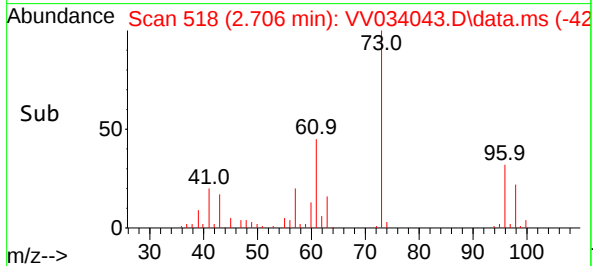
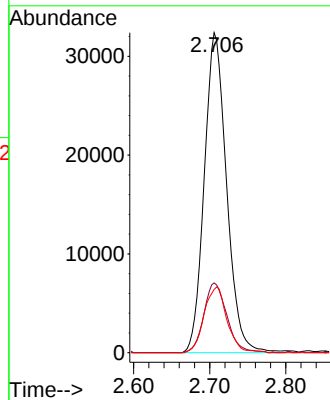
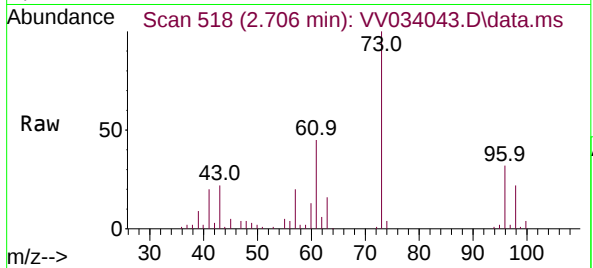
Tgt Ion: 73 Resp: 65946

Ion Ratio Lower Upper

73 100

43 22.5 17.7 26.5

57 21.1 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 4.623 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

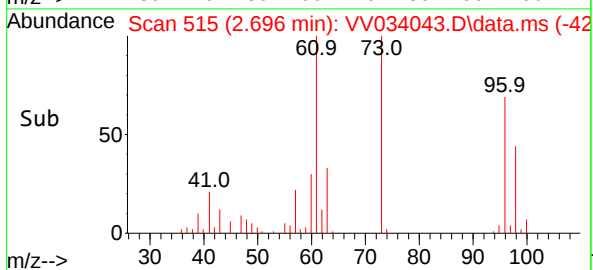
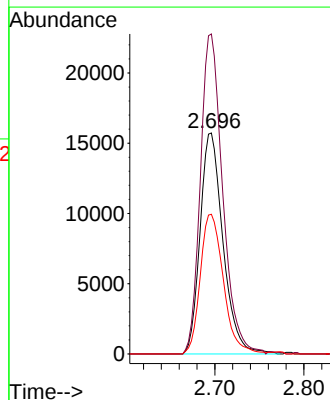
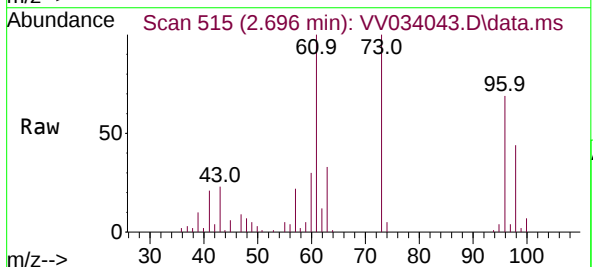
Tgt Ion: 96 Resp: 28079

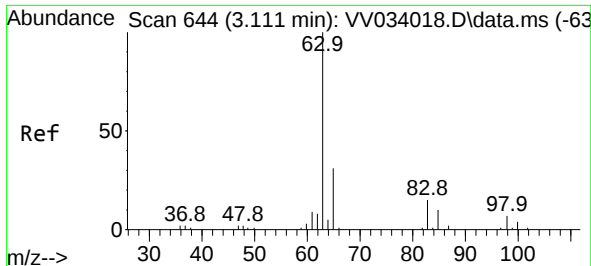
Ion Ratio Lower Upper

96 100

61 144.8 97.6 181.4

98 63.2 44.4 82.5





#19

1,1-Dichloroethane

Concen: 4.779 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

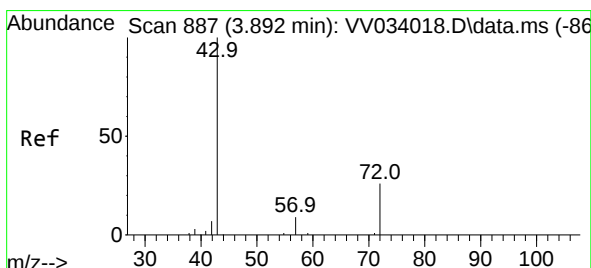
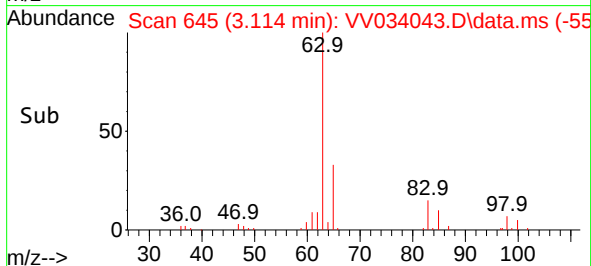
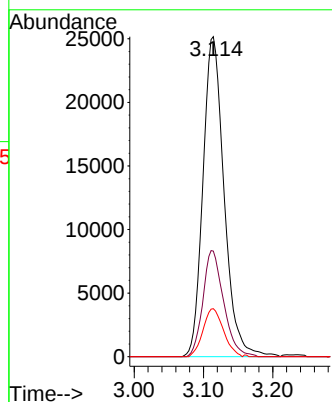
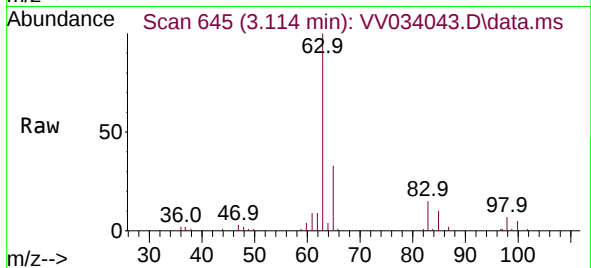
Tgt Ion: 63 Resp: 53328

Ion Ratio Lower Upper

63 100

65 33.8 20.8 38.6

83 15.0 9.4 17.4



#21

2-Butanone

Concen: 47.707 ug/L

RT: 3.879 min Scan# 883

Delta R.T. -0.013 min

Lab File: VV034043.D

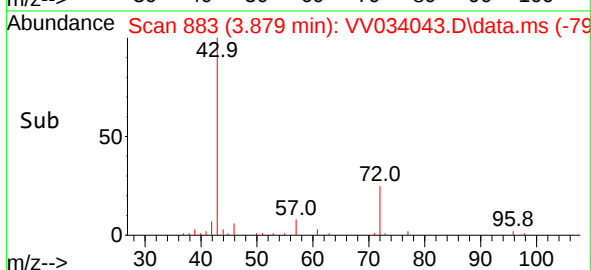
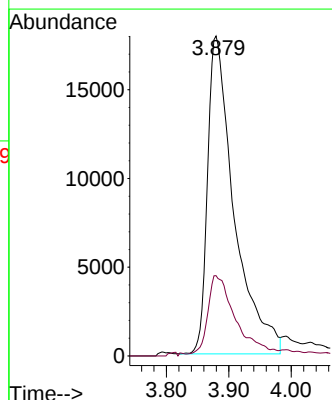
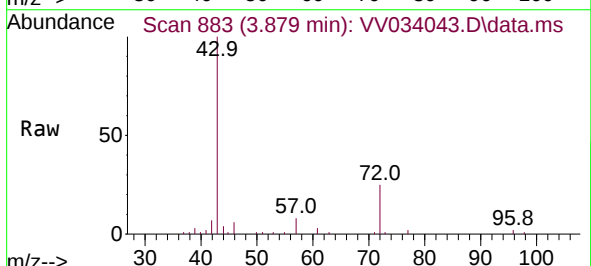
Acq: 07 Feb 2024 20:08

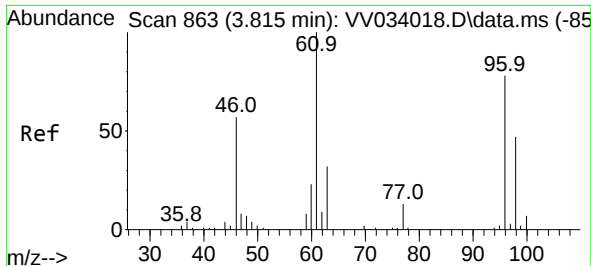
Tgt Ion: 43 Resp: 53099

Ion Ratio Lower Upper

43 100

72 25.6 4.0 11.9#





#22

cis-1,2-Dichloroethene

Concen: 4.503 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

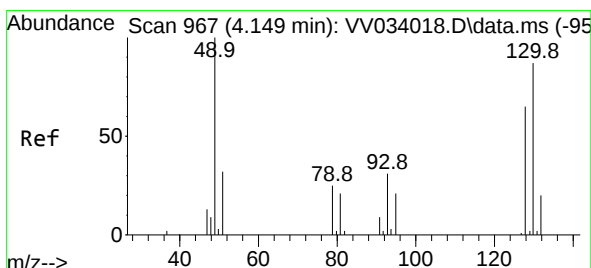
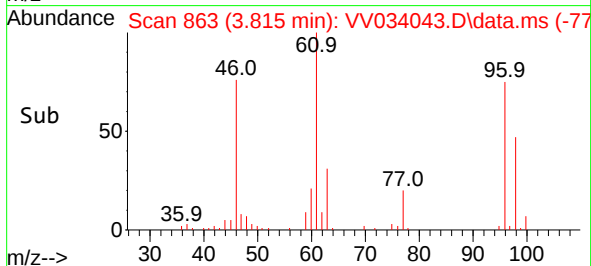
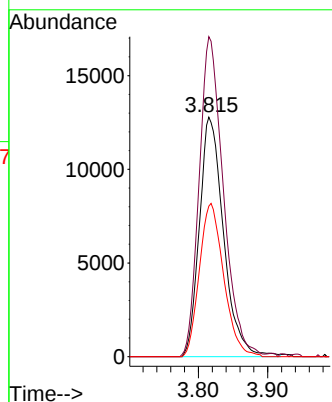
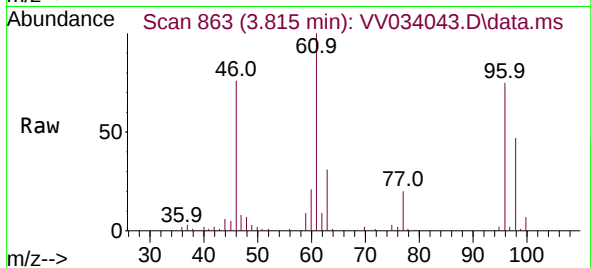
Tgt Ion: 96 Resp: 31025

Ion Ratio Lower Upper

96 100

61 133.6 90.3 167.7

98 62.9 43.2 80.2



#23

Bromochloromethane

Concen: 5.184 ug/L

RT: 4.153 min Scan# 968

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Tgt Ion: 128 Resp: 12418

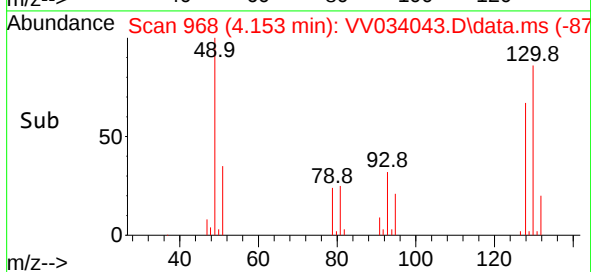
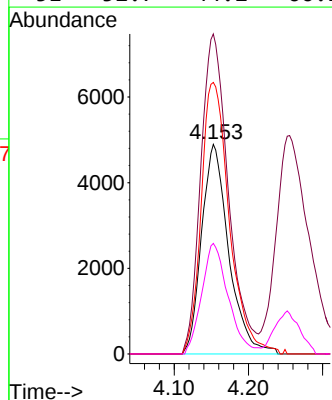
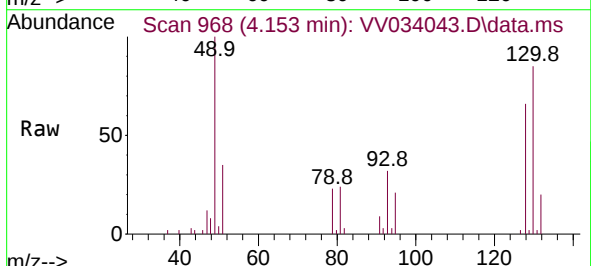
Ion Ratio Lower Upper

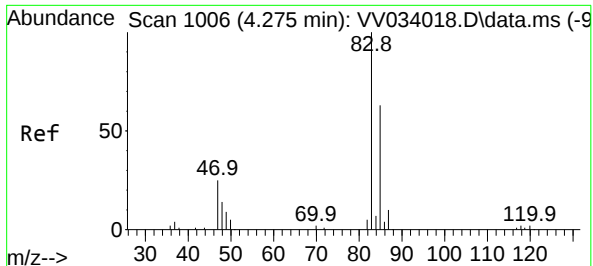
128 100

49 152.6 120.5 223.7

130 129.5 93.4 173.4

51 52.7 44.2 66.2





#25

Chloroform

Concen: 4.957 ug/L

RT: 4.278 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

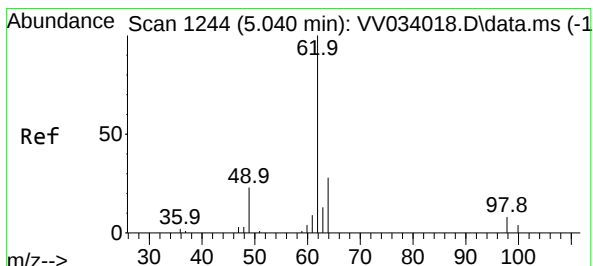
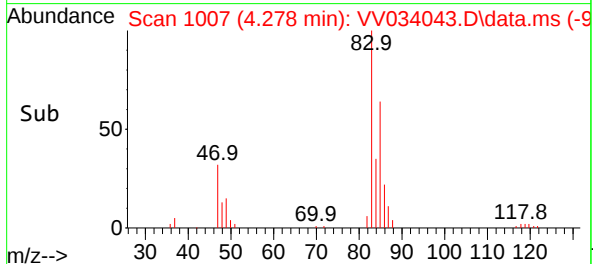
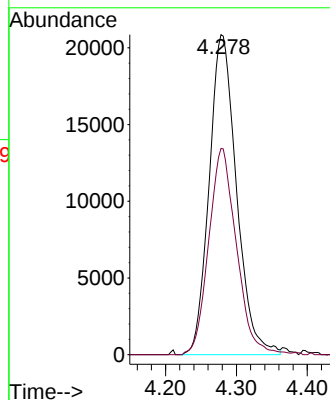
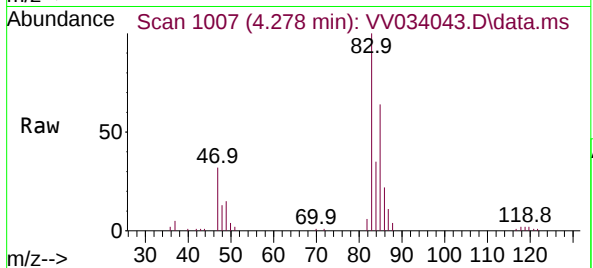
ClientSampleId :

Tgt Ion: 83 Resp: 55918

Ion Ratio Lower Upper

83 100

85 64.4 47.5 88.1



#27

1,2-Dichloroethane

Concen: 5.196 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.006 min

Lab File: VV034043.D

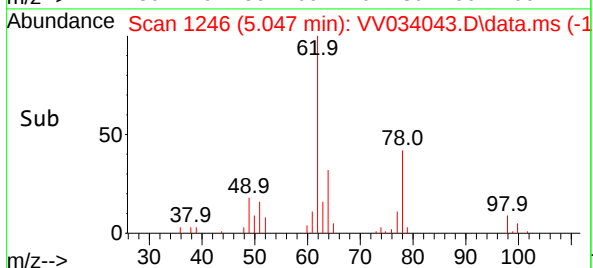
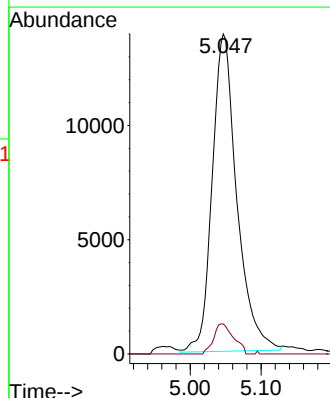
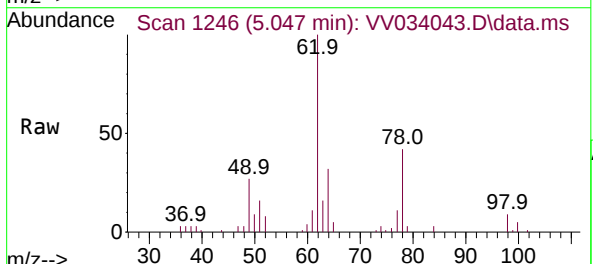
Acq: 07 Feb 2024 20:08

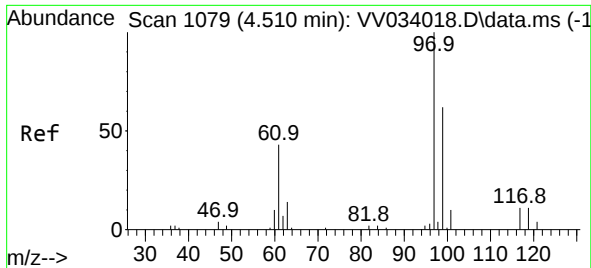
Tgt Ion: 62 Resp: 33560

Ion Ratio Lower Upper

62 100

98 9.3 6.9 10.3

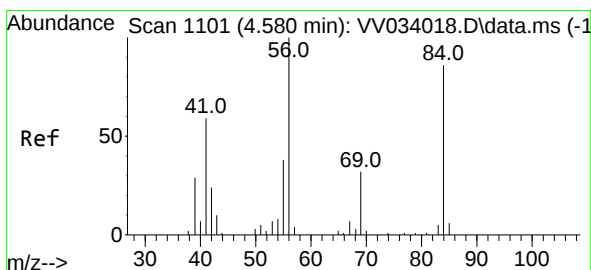
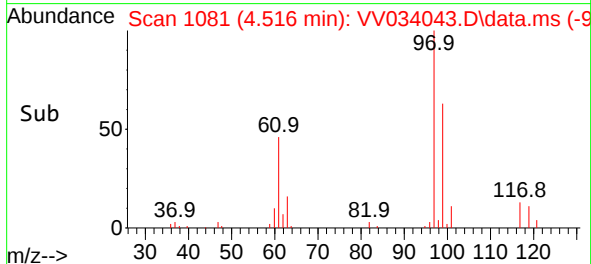
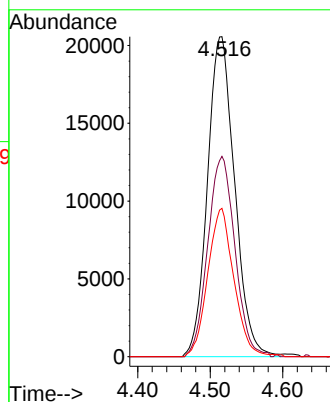
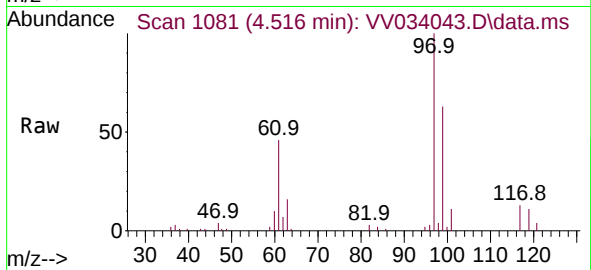




#29
1,1,1-Trichloroethane
Concen: 5.101 ug/L
RT: 4.516 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

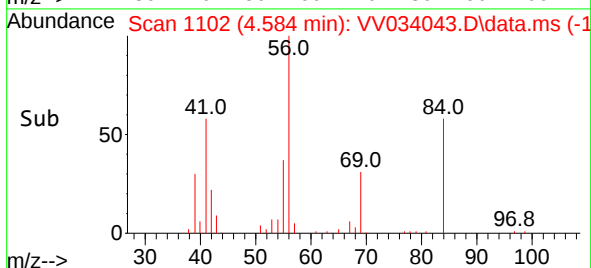
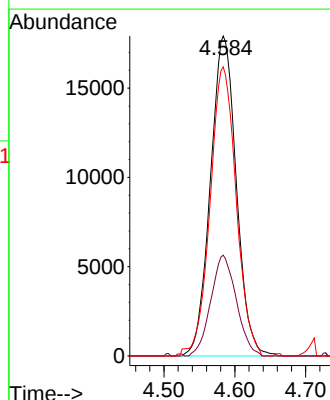
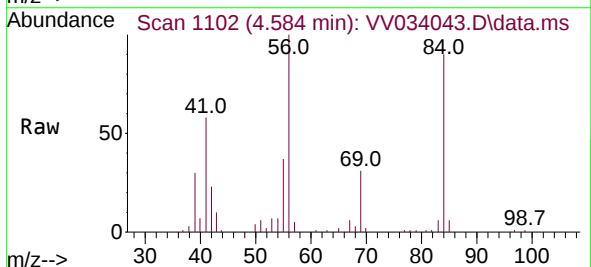
Instrument :
MSVOA_V
ClientSampleId :

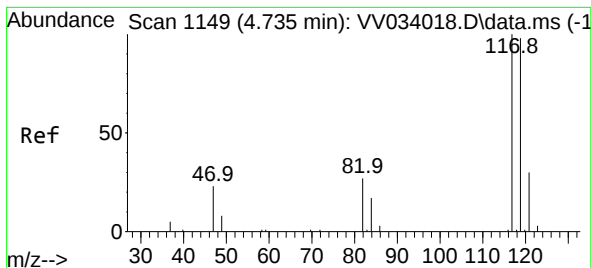
Tgt Ion: 97 Resp: 53644
Ion Ratio Lower Upper
97 100
99 62.5 50.6 75.8
61 44.7 36.8 55.2



#30
Cyclohexane
Concen: 4.448 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion: 56 Resp: 45491
Ion Ratio Lower Upper
56 100
69 31.1 24.2 36.2
84 90.8 70.0 105.0





#31

Carbon tetrachloride

Concen: 4.946 ug/L

RT: 4.738 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

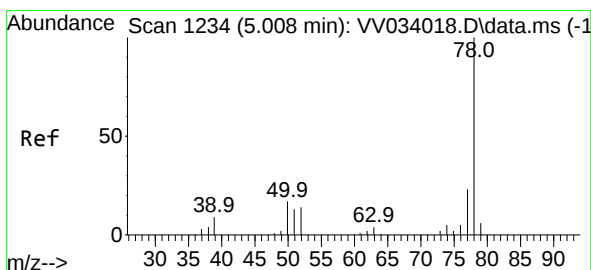
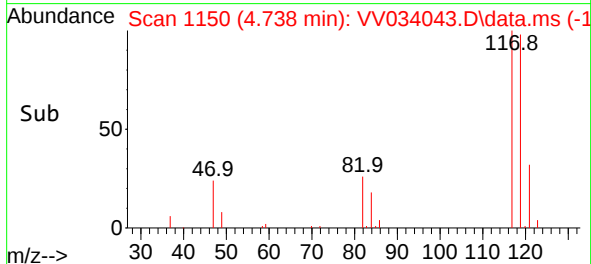
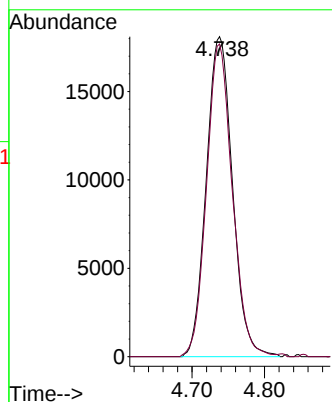
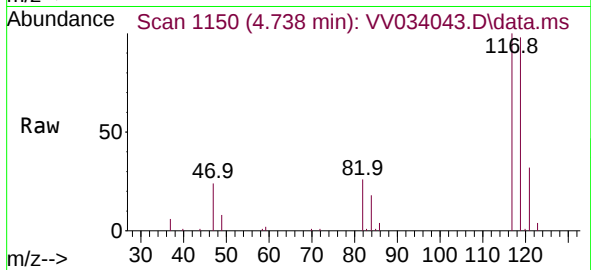
ClientSampleId :

Tgt Ion:117 Resp: 45519

Ion Ratio Lower Upper

117 100

119 96.0 76.1 114.1



#33

Benzene

Concen: 4.820 ug/L

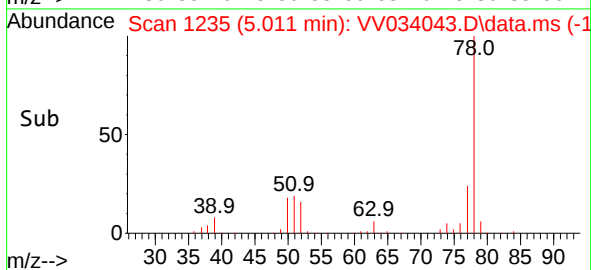
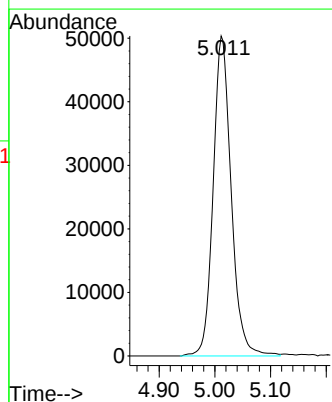
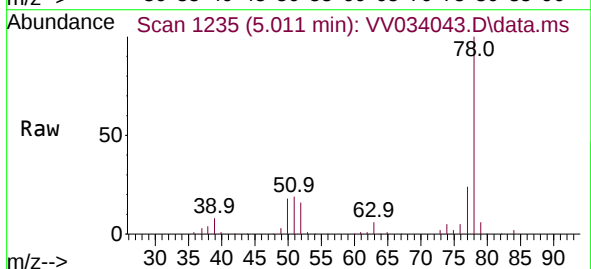
RT: 5.011 min Scan# 1235

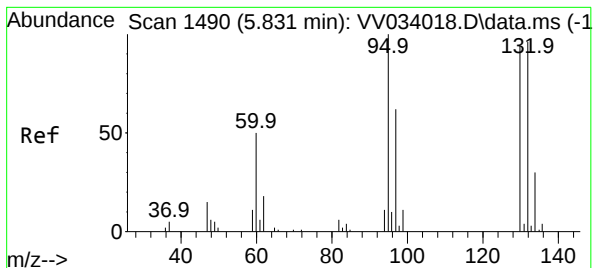
Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Tgt Ion: 78 Resp: 113238





#34

Trichloroethene

Concen: 4.570 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 31076

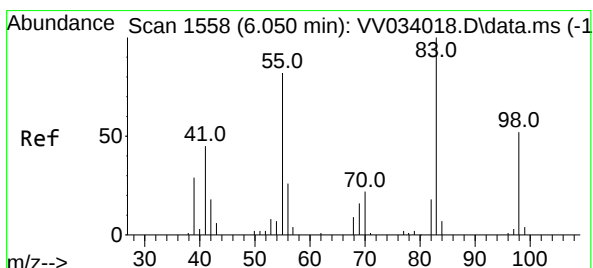
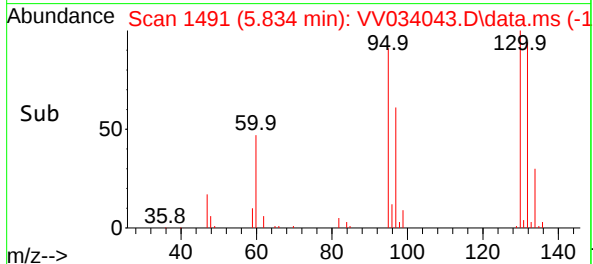
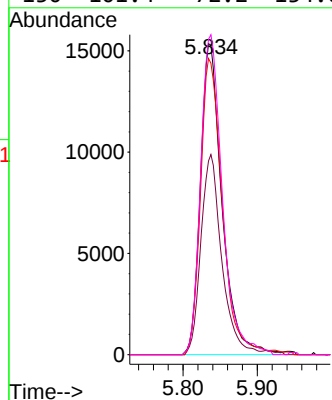
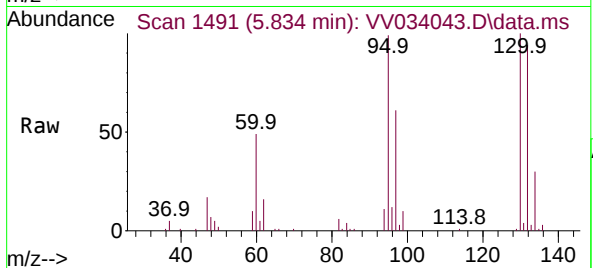
Ion Ratio Lower Upper

95 100

97 62.3 45.1 83.7

132 95.2 66.0 122.6

130 101.4 72.2 134.0



#35

Methylcyclohexane

Concen: 4.444 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

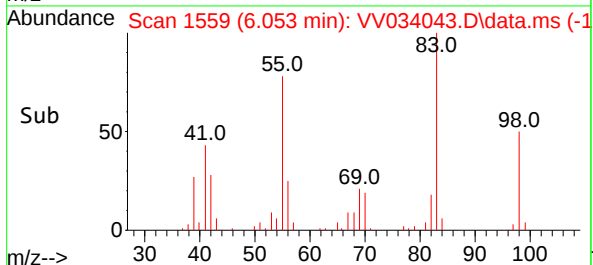
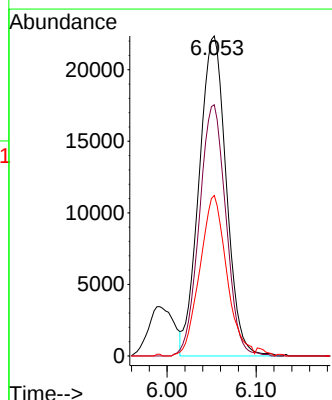
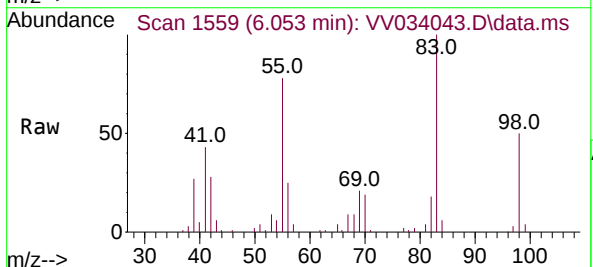
Tgt Ion: 83 Resp: 47431

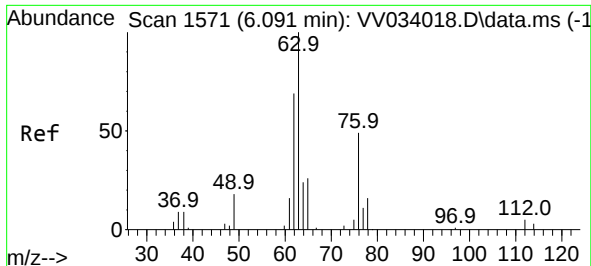
Ion Ratio Lower Upper

83 100

55 76.7 63.5 95.3

98 49.6 39.0 58.4

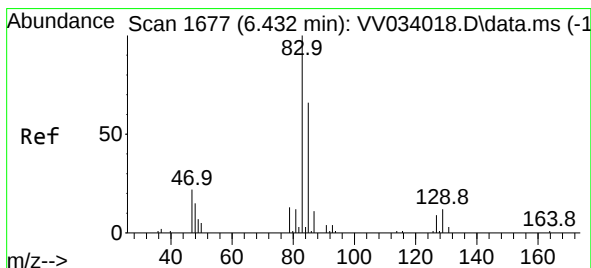
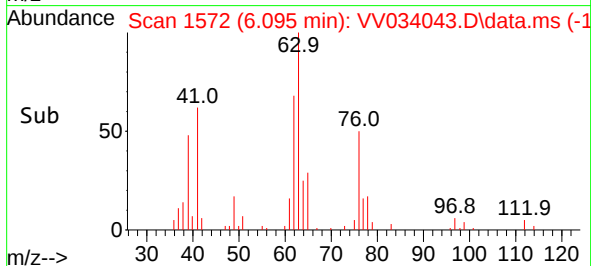
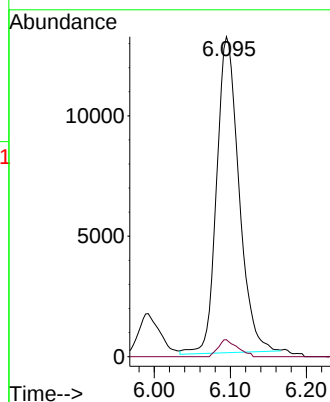
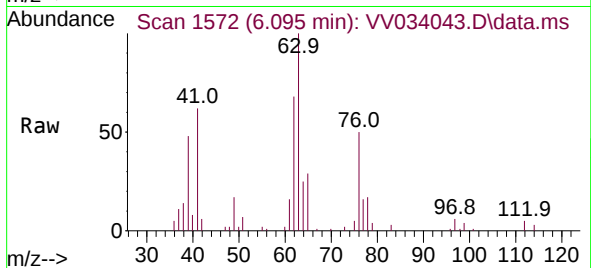




#37
1,2-Dichloropropane
Concen: 4.706 ug/L
RT: 6.095 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

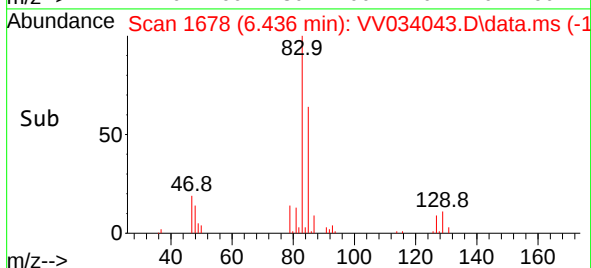
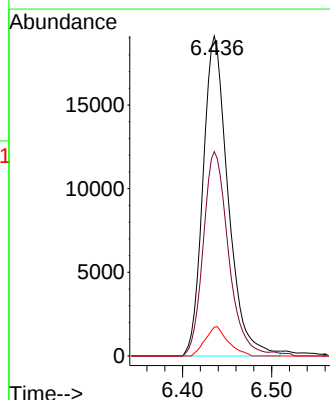
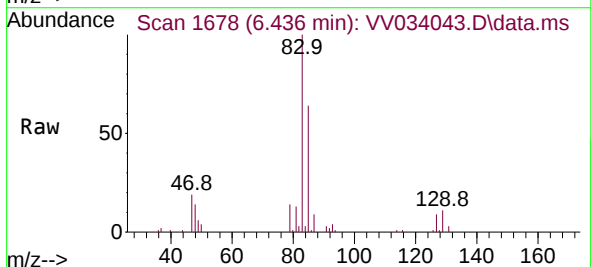
Instrument :
MSVOA_V
ClientSampleId :

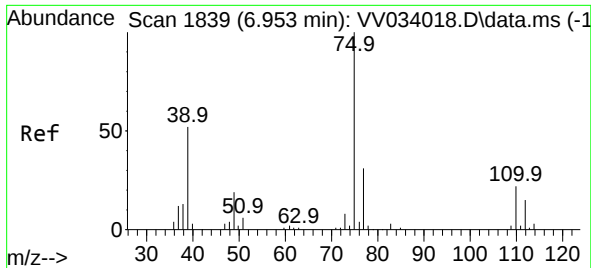
Tgt Ion: 63 Resp: 26782
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.0



#38
Bromodichloromethane
Concen: 5.008 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion: 83 Resp: 37417
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.2
127 9.0 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.887 ug/L

RT: 6.956 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

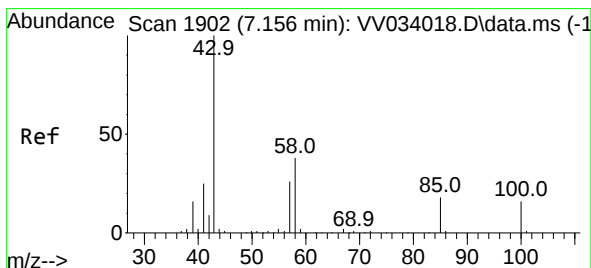
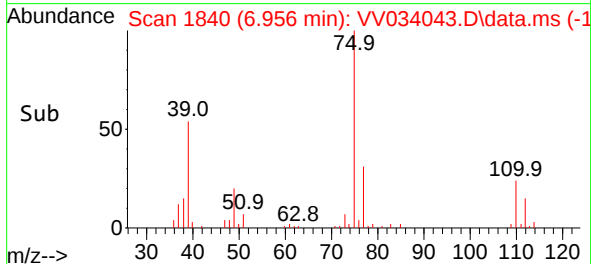
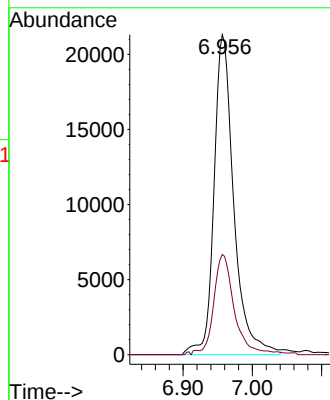
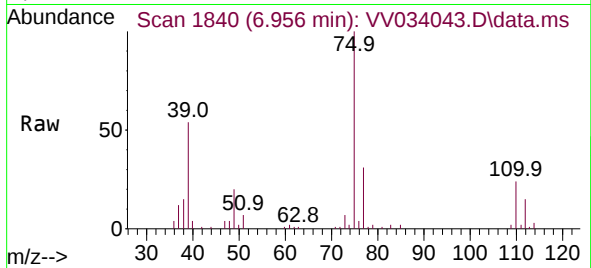
ClientSampleId :

Tgt Ion: 75 Resp: 42324

Ion Ratio Lower Upper

75 100

77 31.3 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 53.833 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

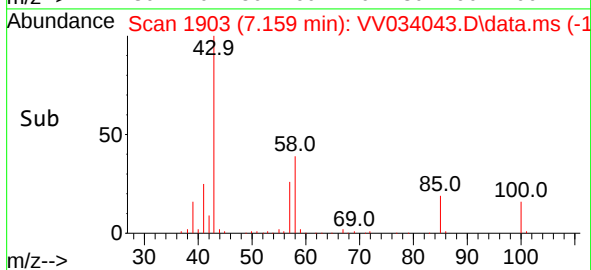
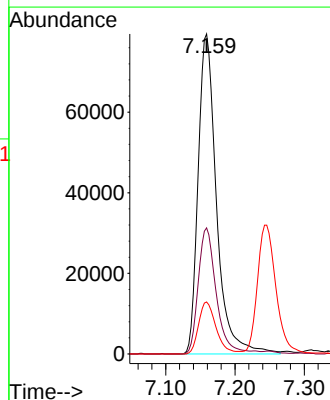
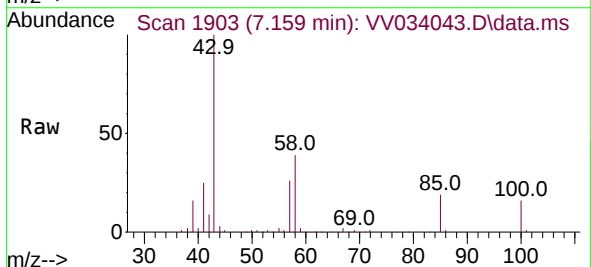
Tgt Ion: 43 Resp: 146714

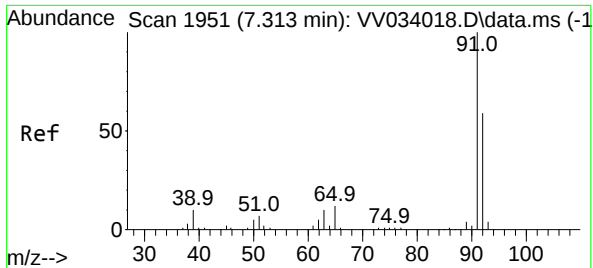
Ion Ratio Lower Upper

43 100

58 38.3 30.2 45.2

100 15.4 12.1 18.1





#42

Toluene

Concen: 4.946 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

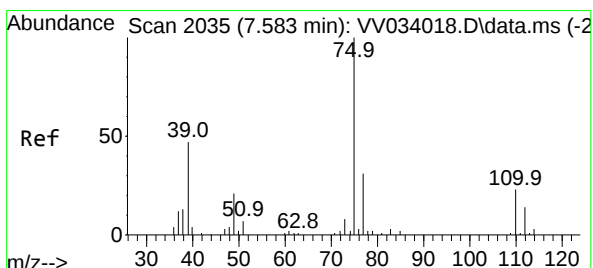
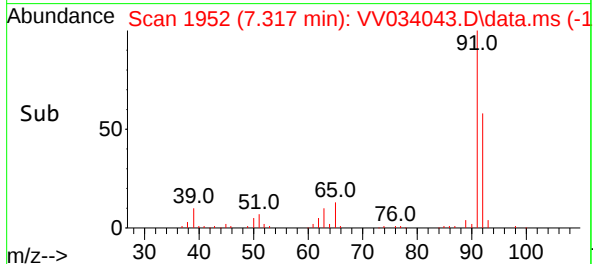
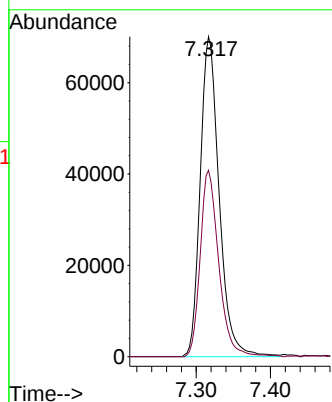
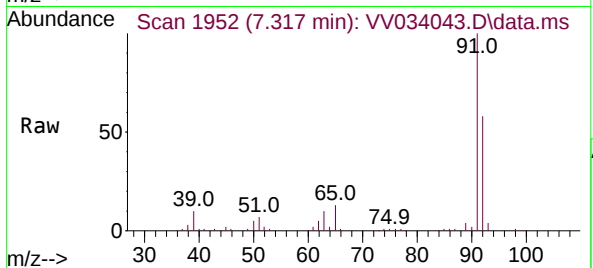
ClientSampleId :

Tgt Ion: 91 Resp: 124194

Ion Ratio Lower Upper

91 100

92 58.2 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 5.208 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV034043.D

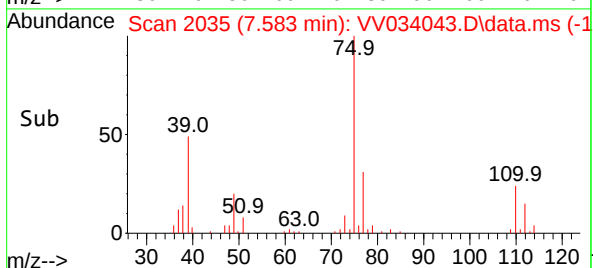
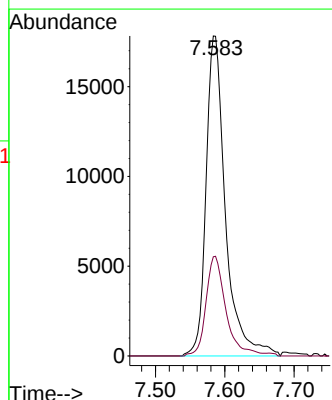
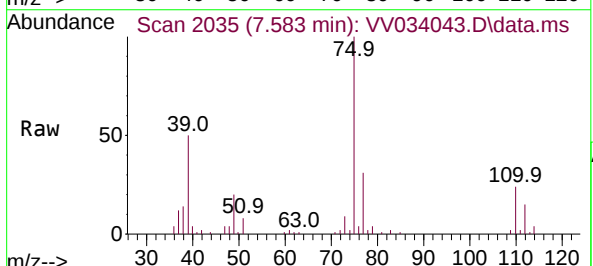
Acq: 07 Feb 2024 20:08

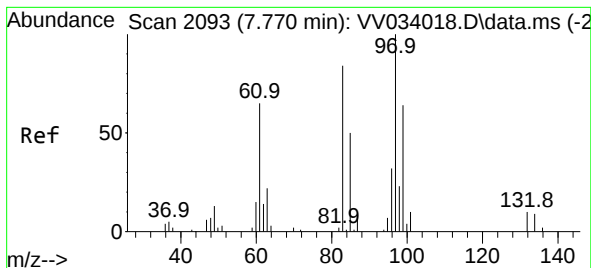
Tgt Ion: 75 Resp: 34629

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.312 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 18669

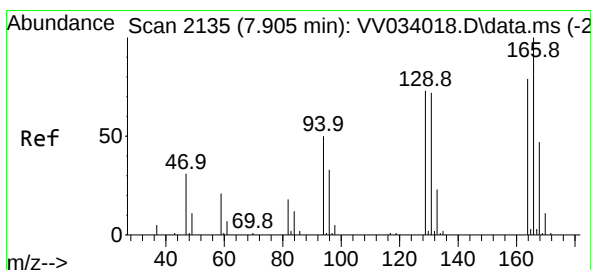
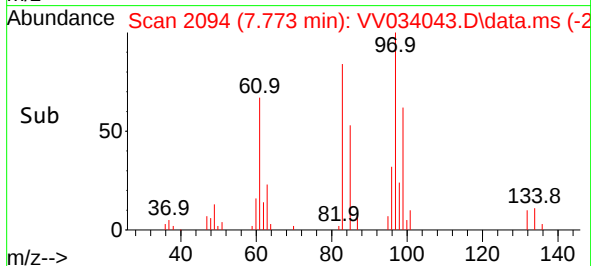
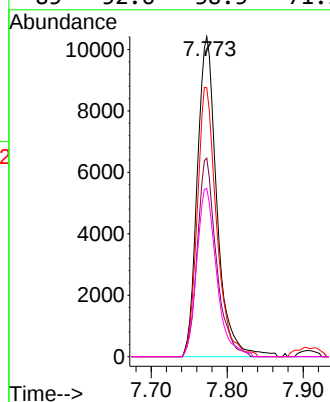
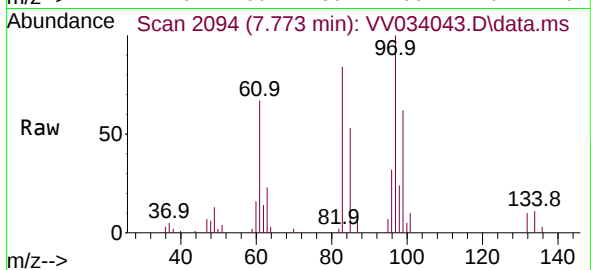
Ion Ratio Lower Upper

97 100

99 62.0 45.6 84.6

83 84.0 62.3 115.7

85 52.6 38.5 71.5



#47

Tetrachloroethene

Concen: 4.482 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Tgt Ion:164 Resp: 24763

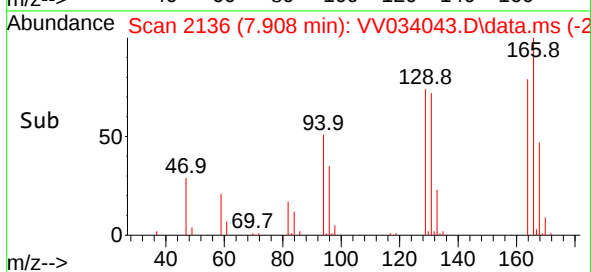
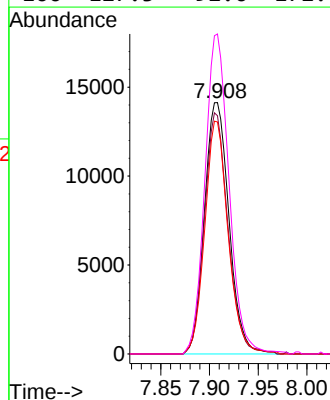
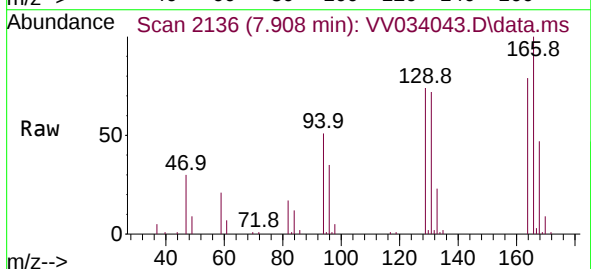
Ion Ratio Lower Upper

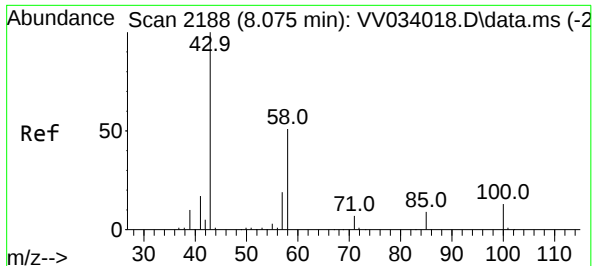
164 100

129 94.7 67.8 125.8

131 92.3 63.0 117.0

166 127.3 92.6 172.0



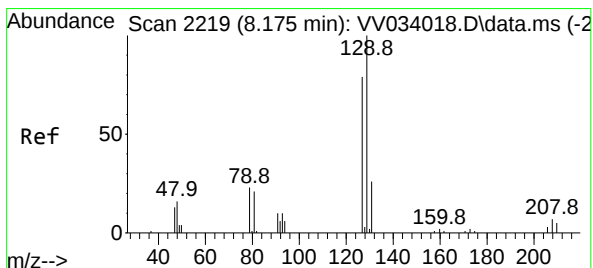
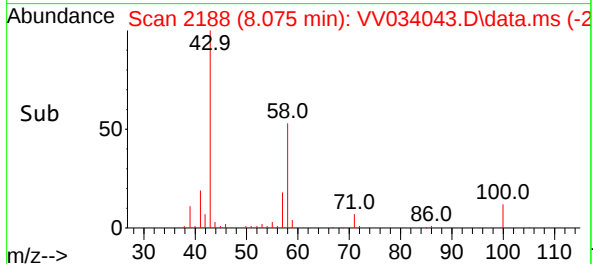
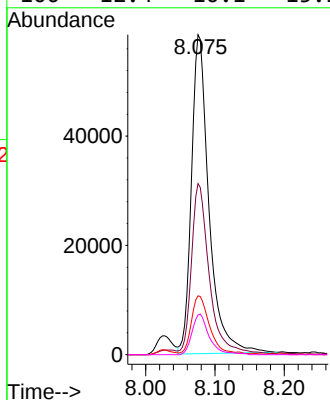
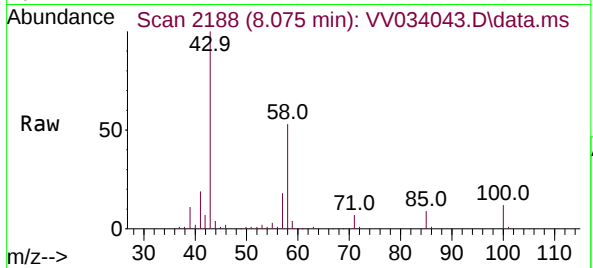


#48
2-Hexanone
Concen: 53.489 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 102756

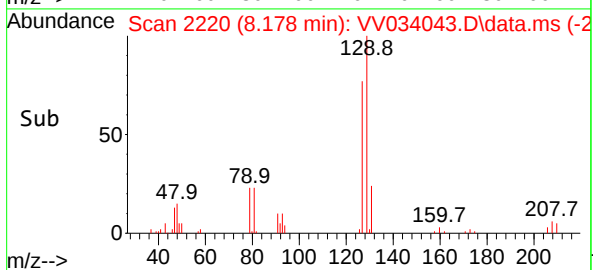
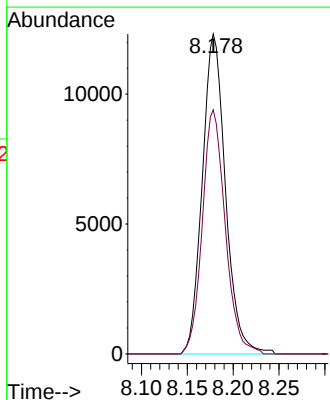
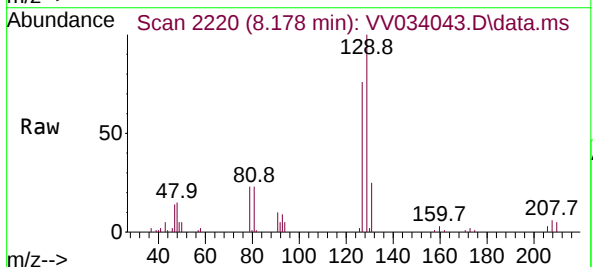
Ion	Ratio	Lower	Upper
43	100		
58	53.9	42.6	64.0
57	18.7	15.5	23.3
100	12.4	10.1	15.1

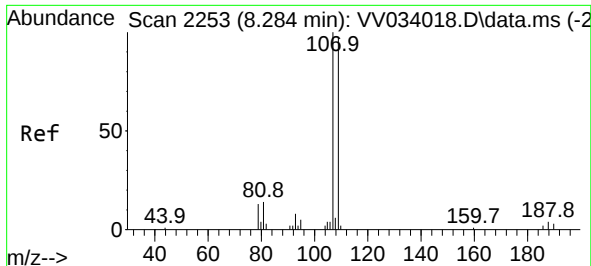


#49
Dibromochloromethane
Concen: 5.190 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion: 129 Resp: 21676

Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.5	99.5

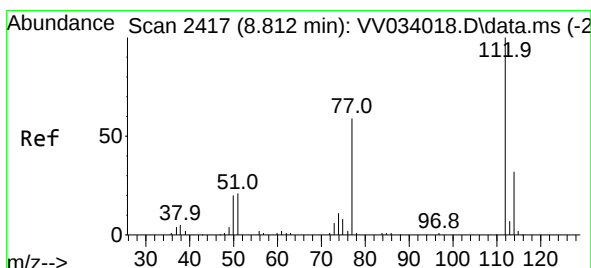
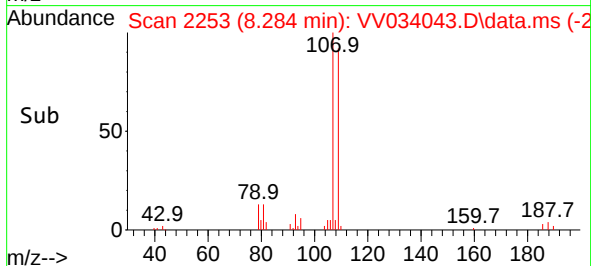
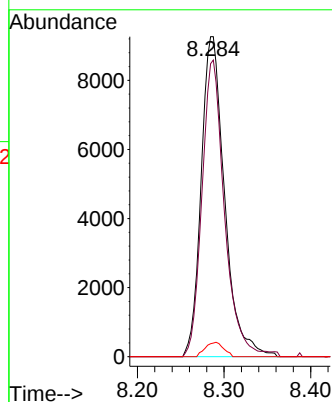
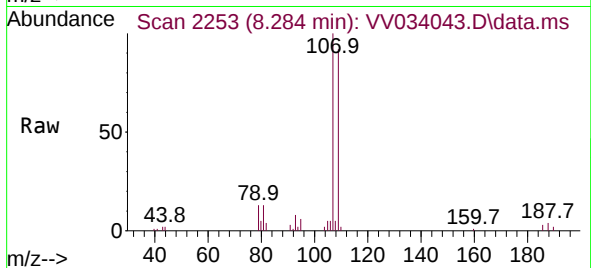




#50
1,2-Dibromoethane
Concen: 5.520 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

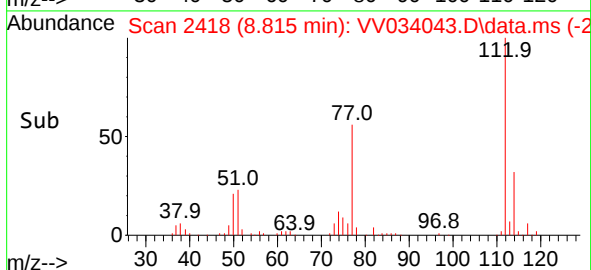
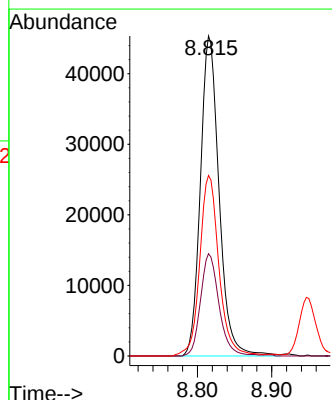
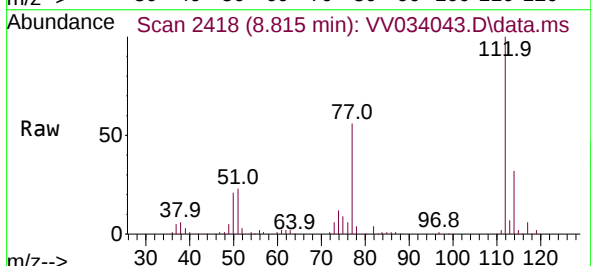
Instrument :
MSVOA_V
ClientSampleId :

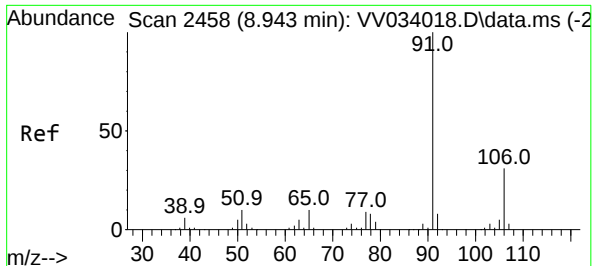
Tgt Ion:107 Resp: 17412
Ion Ratio Lower Upper
107 100
109 91.6 64.5 119.9
188 4.1 2.6 4.0#



#51
Chlorobenzene
Concen: 4.999 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion:112 Resp: 79367
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 56.4 48.1 72.1

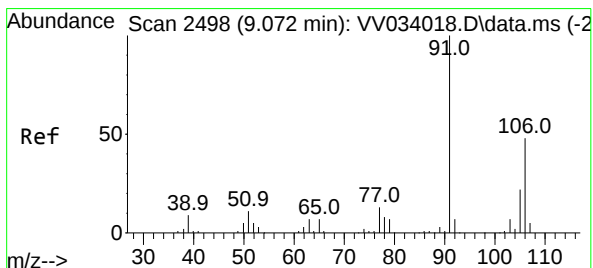
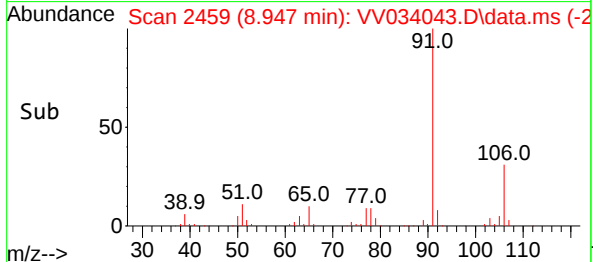
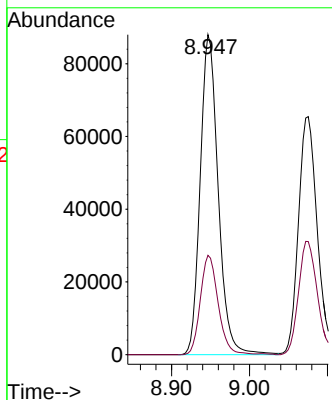
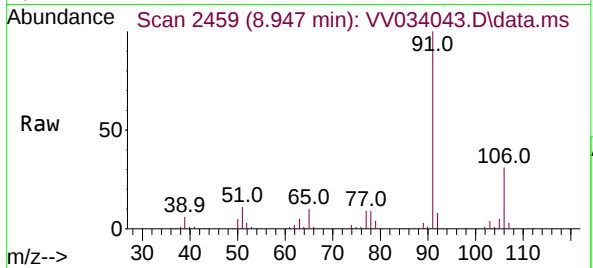




#52
Ethylbenzene
Concen: 4.874 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

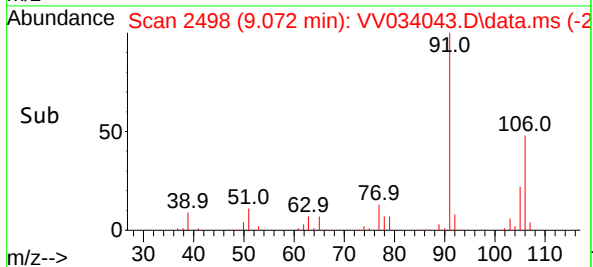
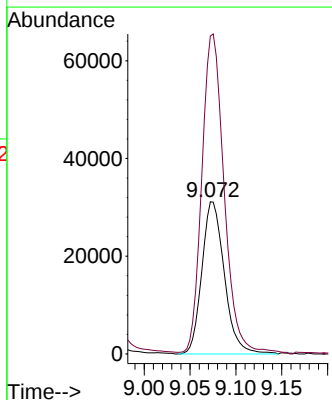
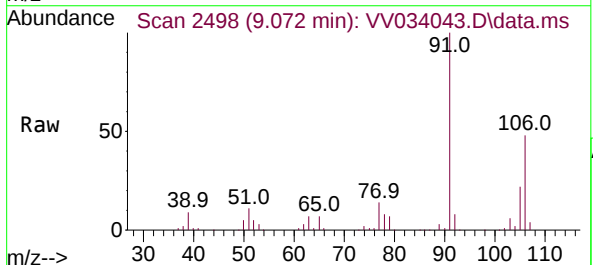
Instrument :
MSVOA_V
ClientSampleId :

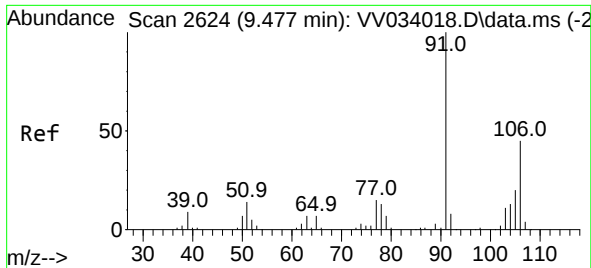
Tgt Ion: 91 Resp: 140876
Ion Ratio Lower Upper
91 100
106 31.1 21.4 39.8



#53
m,p-Xylene
Concen: 4.867 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion:106 Resp: 53166
Ion Ratio Lower Upper
106 100
91 208.9 147.5 273.9

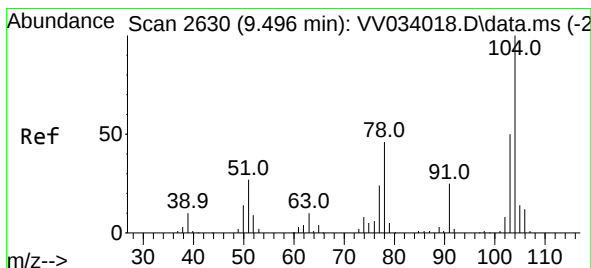
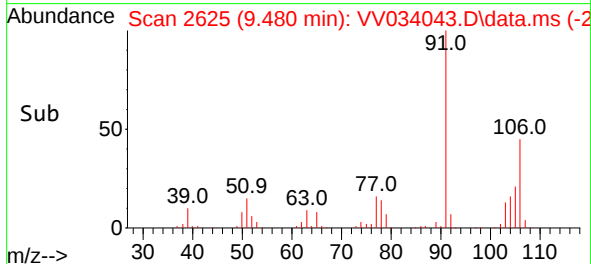
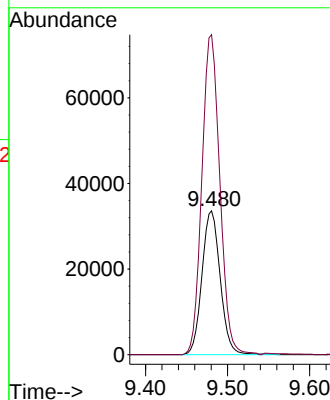
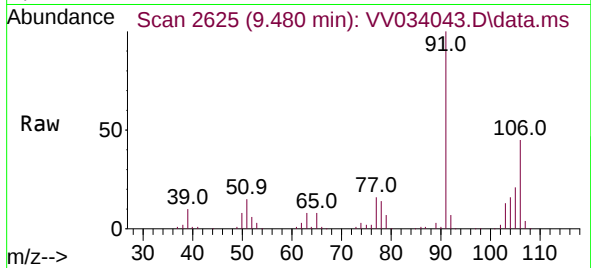




#54
o-Xylene
Concen: 4.920 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

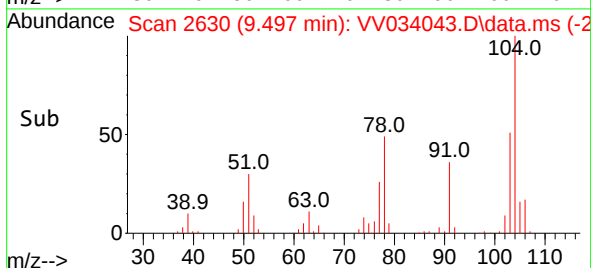
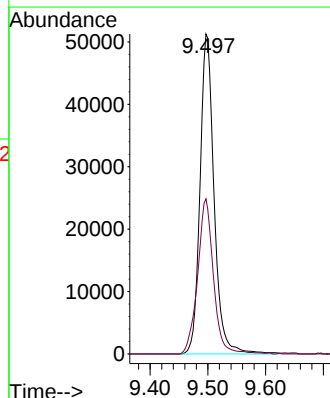
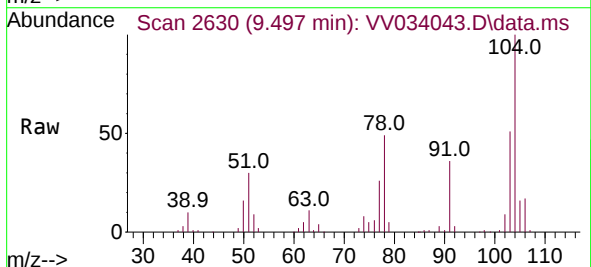
Instrument :
MSVOA_V
ClientSampleId :

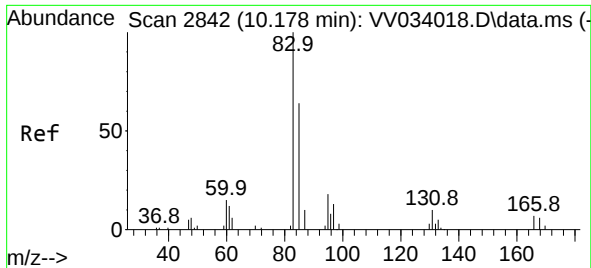
Tgt Ion:106 Resp: 51824
Ion Ratio Lower Upper
106 100
91 222.6 156.2 290.0



#55
Styrene
Concen: 5.154 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion:104 Resp: 86915
Ion Ratio Lower Upper
104 100
78 48.5 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.271 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

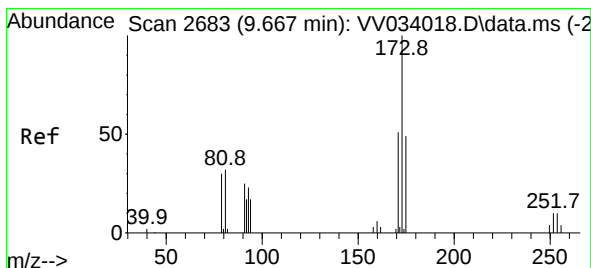
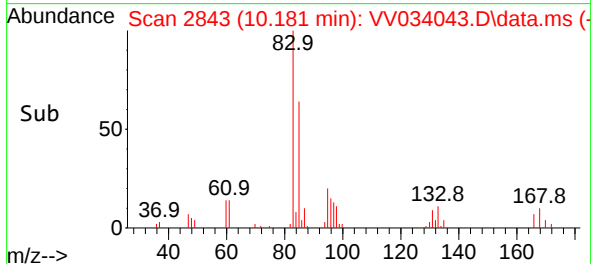
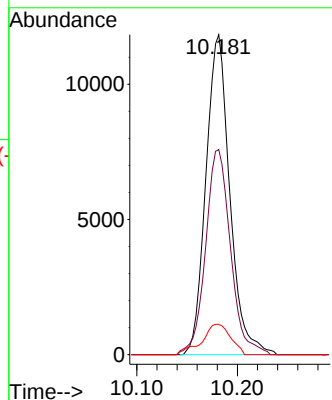
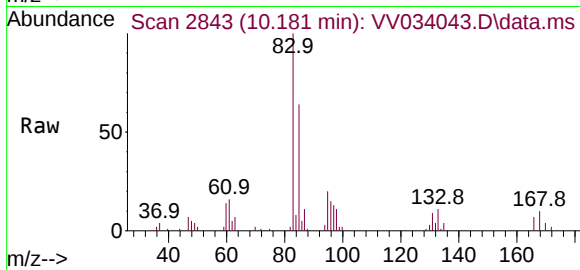
Tgt Ion: 83 Resp: 19550

Ion Ratio Lower Upper

83 100

85 64.1 46.5 86.3

131 9.4 8.4 12.6



#59

Bromoform

Concen: 4.881 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

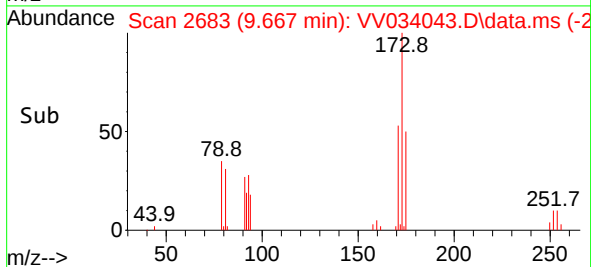
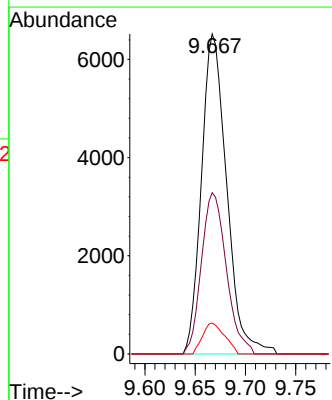
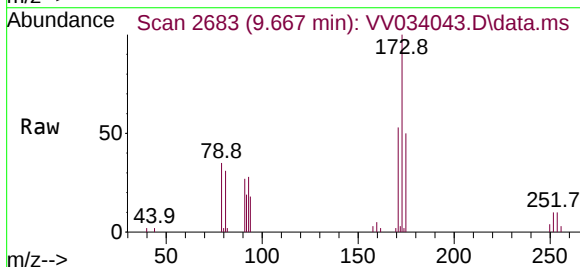
Tgt Ion: 173 Resp: 11349

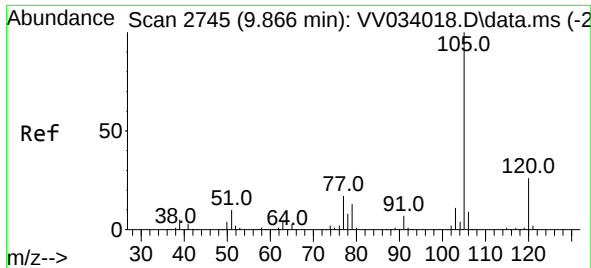
Ion Ratio Lower Upper

173 100

175 49.8 38.6 57.8

254 8.4 7.2 10.8

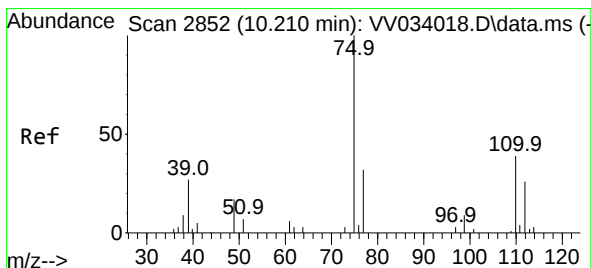
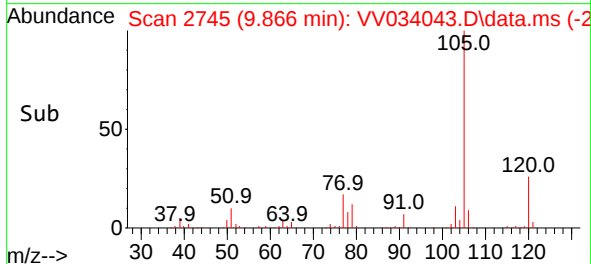
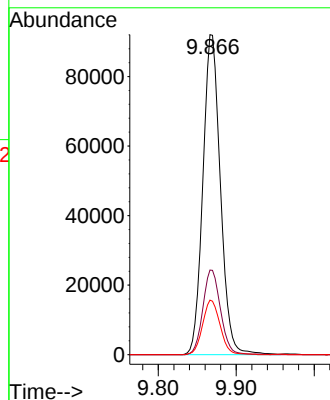
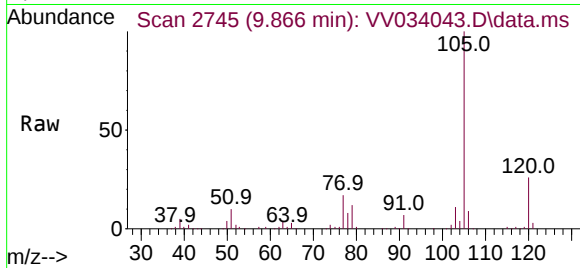




#60
Isopropylbenzene
Concen: 4.606 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

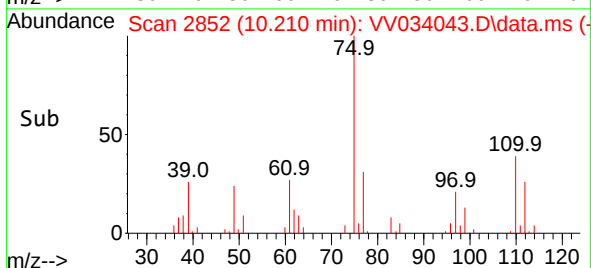
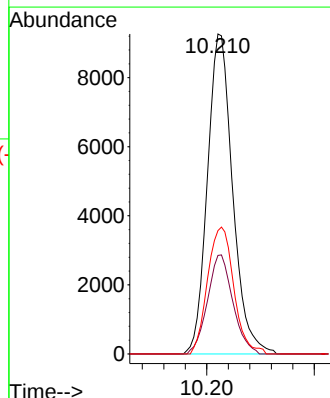
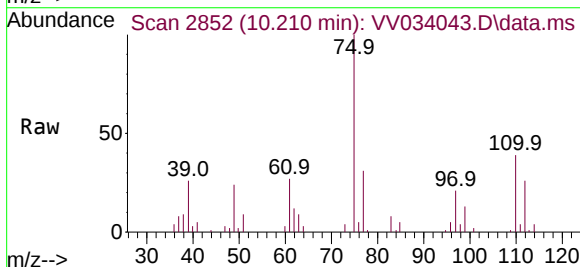
Instrument :
MSVOA_V
ClientSampleId :

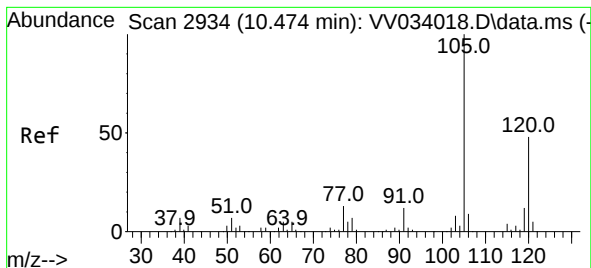
Tgt Ion:105 Resp: 143851
Ion Ratio Lower Upper
105 100
120 26.6 20.7 31.1
77 17.0 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.197 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

Tgt Ion: 75 Resp: 15079
Ion Ratio Lower Upper
75 100
77 31.1 26.9 40.3
110 41.2 33.3 49.9





#62

1,3,5-Trimethylbenzene

Concen: 4.604 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

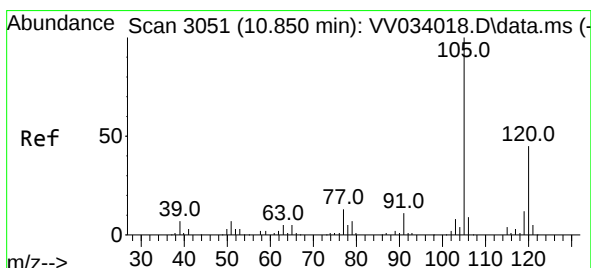
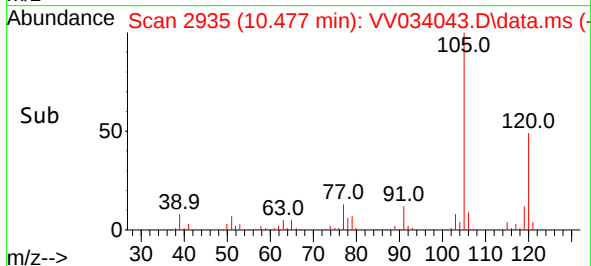
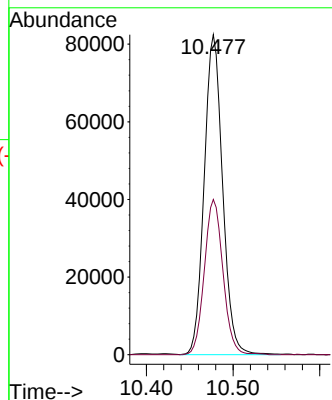
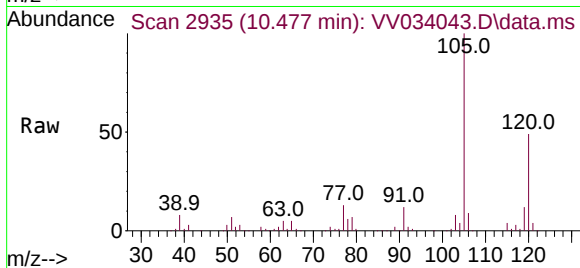
ClientSampleId :

Tgt Ion:105 Resp: 121564

Ion Ratio Lower Upper

105 100

120 49.0 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 4.679 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV034043.D

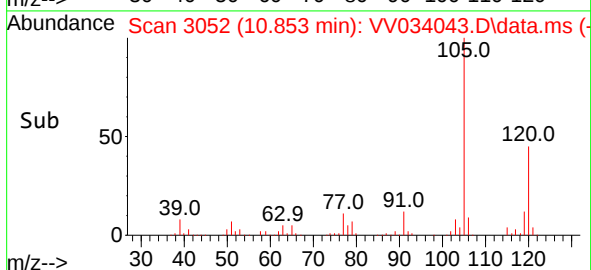
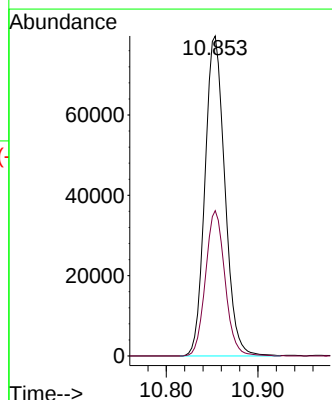
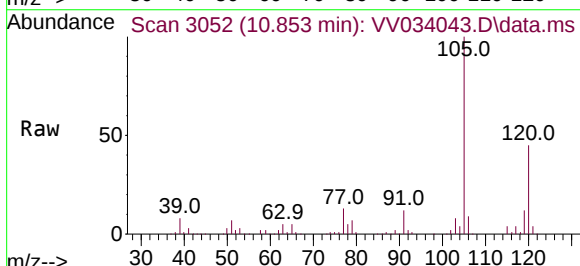
Acq: 07 Feb 2024 20:08

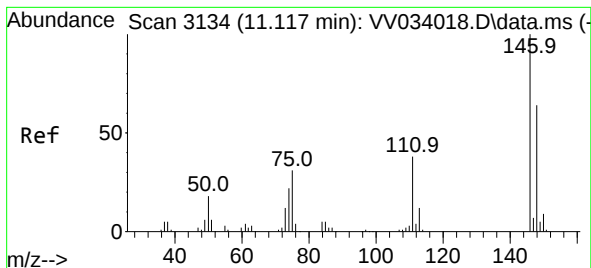
Tgt Ion:105 Resp: 120039

Ion Ratio Lower Upper

105 100

120 44.4 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 4.788 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

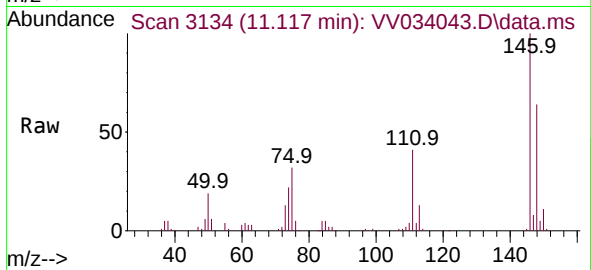
Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :



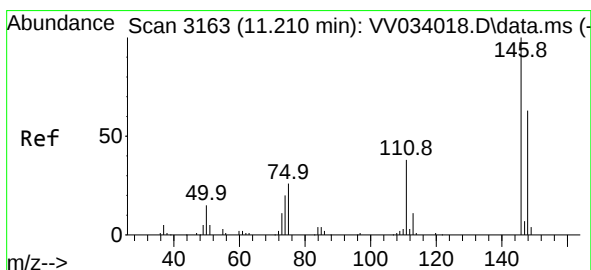
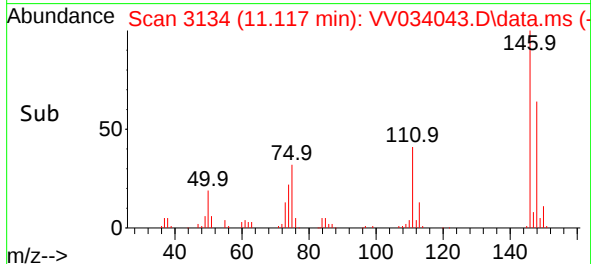
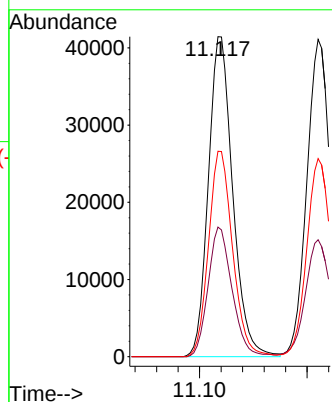
Tgt Ion:146 Resp: 65200

Ion	Ratio	Lower	Upper
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146	100		
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111	40.5	28.5	52.9
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148	64.2	44.4	82.4
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#65

1,4-Dichlorobenzene

Concen: 4.840 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

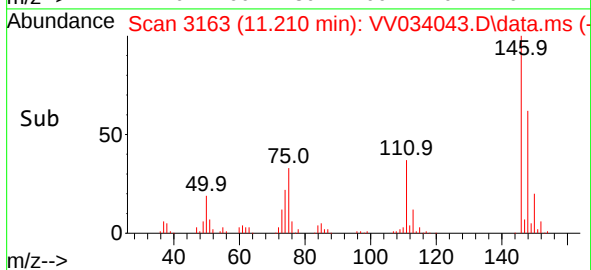
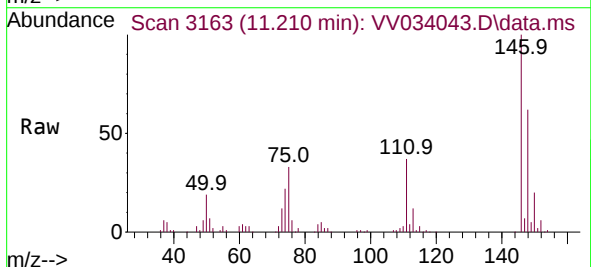
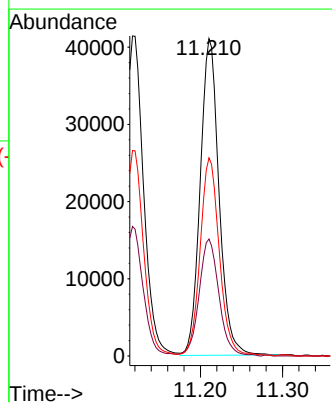
Tgt Ion:146 Resp: 65268

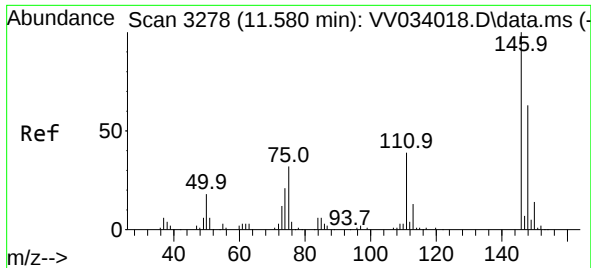
Ion	Ratio	Lower	Upper
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146	100		
-----	-----	--	--

111	36.8	27.6	51.4
-----	------	------	------

148	62.4	44.8	83.2
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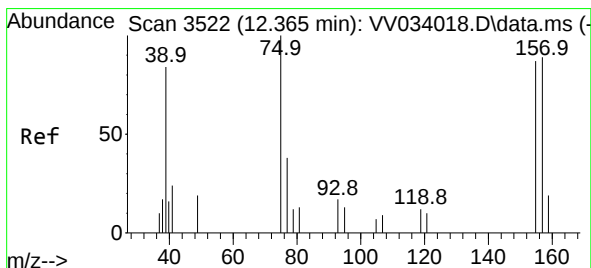
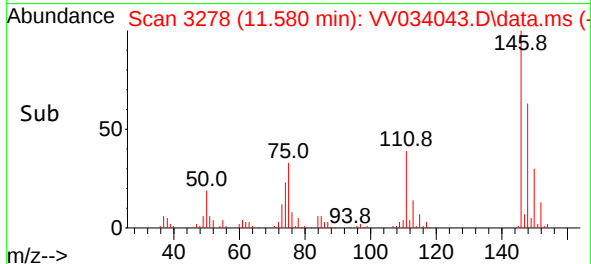
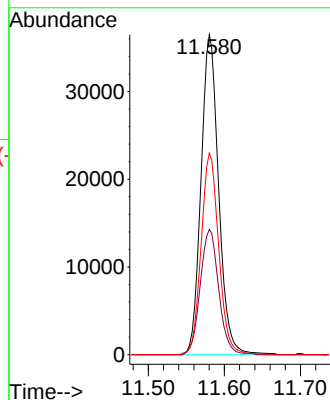
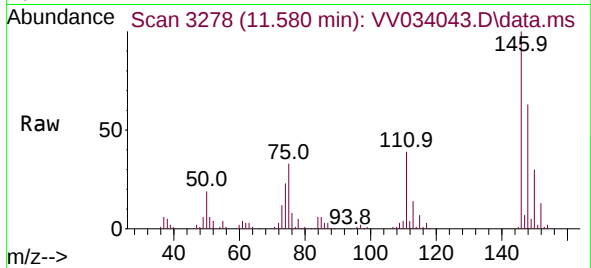




#67
1,2-Dichlorobenzene
Concen: 5.013 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

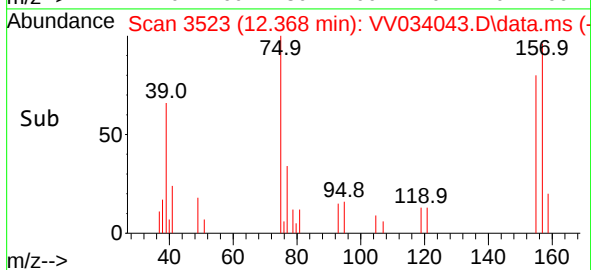
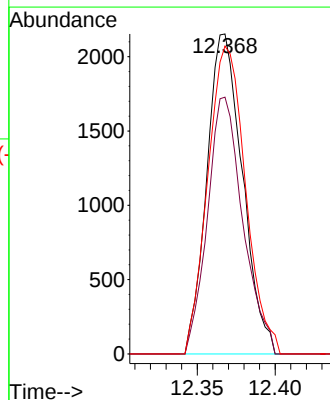
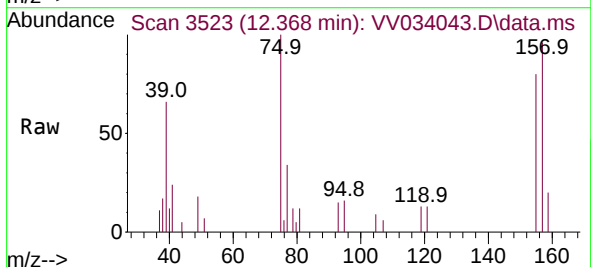
Instrument :
MSVOA_V
ClientSampleId :

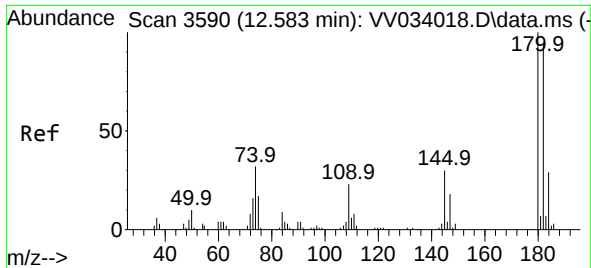
Tgt Ion:146 Resp: 58632
Ion Ratio Lower Upper
146 100
111 39.1 31.2 46.8
148 63.0 49.8 74.8



#68
1,2-Dibromo-3-chloropropane
Concen: 5.616 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.003 min
Lab File: VV034043.D
Acq: 07 Feb 2024 20:08

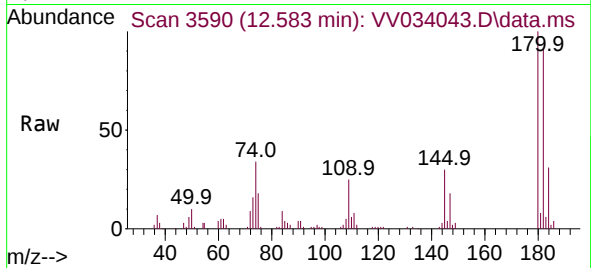
Tgt Ion: 75 Resp: 3415
Ion Ratio Lower Upper
75 100
155 80.3 68.9 103.3
157 96.2 84.6 127.0





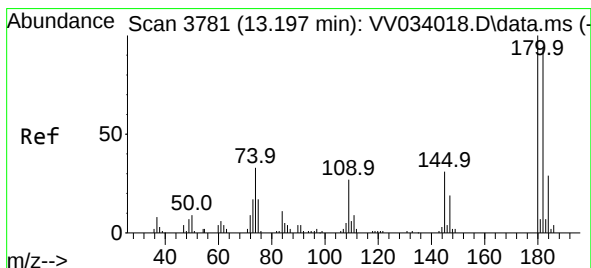
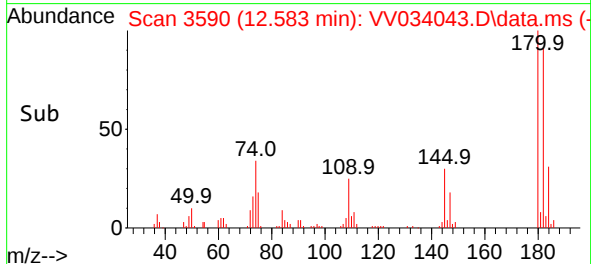
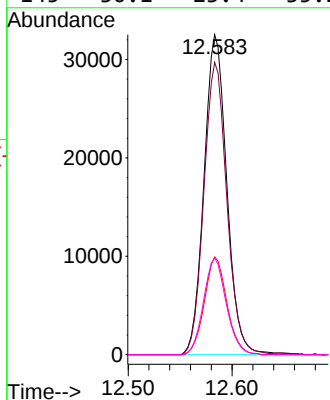
#69
 1,3,5-Trichlorobenzene
 Concen: 4.698 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV034043.D
 Acq: 07 Feb 2024 20:08

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 49513

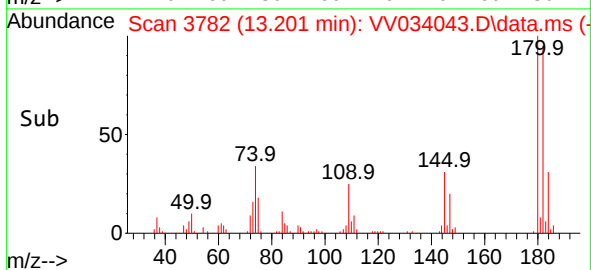
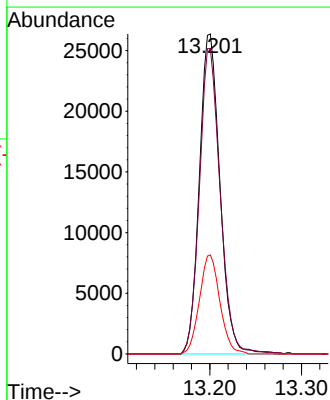
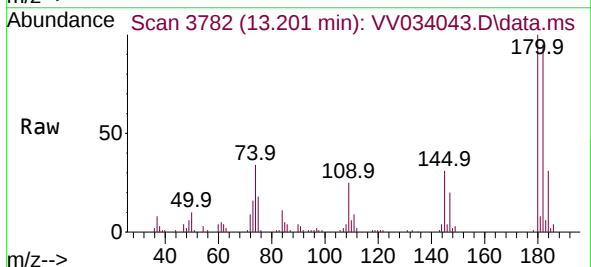
Ion	Ratio	Lower	Upper
180	100		
182	92.0	77.0	115.4
184	30.3	23.8	35.6
145	30.1	23.4	35.2

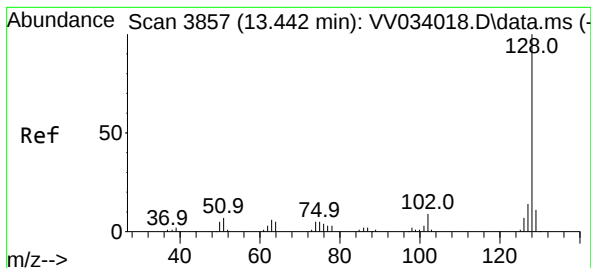


#70
 1,2,4-trichlorobenzene
 Concen: 4.981 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.003 min
 Lab File: VV034043.D
 Acq: 07 Feb 2024 20:08

Tgt Ion:180 Resp: 40974

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
145	30.7	24.8	37.2





#71

Naphthalene

Concen: 6.077 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Instrument :

MSVOA_V

ClientSampleId :

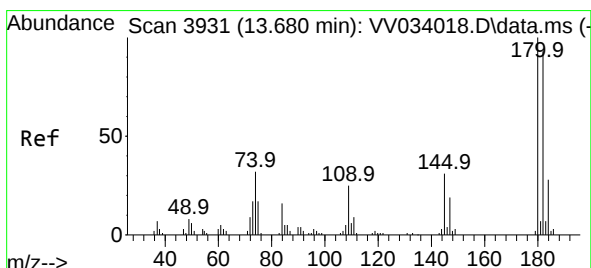
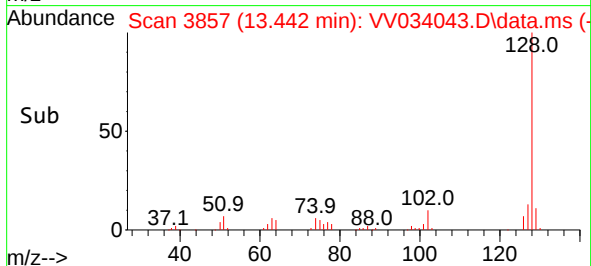
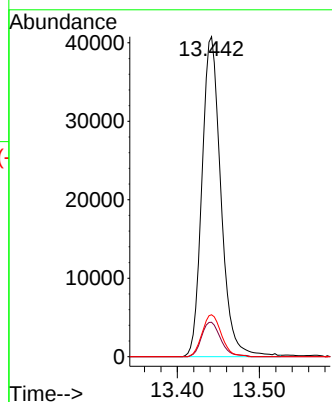
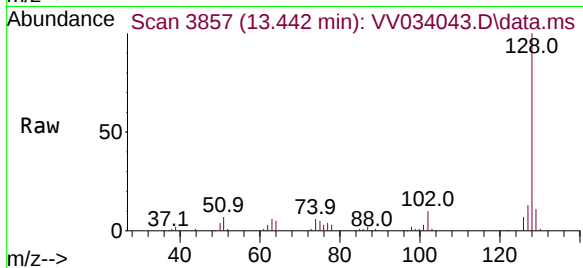
Tgt Ion:128 Resp: 65507

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 13.3 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.404 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV034043.D

Acq: 07 Feb 2024 20:08

Tgt Ion:180 Resp: 35620

Ion Ratio Lower Upper

180 100

182 95.2 75.0 112.6

145 30.5 25.2 37.8

