

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021924\
 Data File : VW034253.D
 Acq On : 19 Feb 2024 19:10
 Operator : SY/MD
 Sample : P1503-04MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 20 03:31:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 20 01:47:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	68533	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	63237	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	33496	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	22649	4.267	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.400%
7) Chloroethane-d5	1.529	69	19634	4.223	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.060	65	11018	4.304	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.000%
20) 2-Butanone-d5	3.796	46	42028	47.148	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.300%
24) Chloroform-d	4.252	84	46451	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	4.944	65	22819	5.063	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	4.960	84	82302	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	5.989	67	22027	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.243	98	77681	4.455	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	7.558	79	8240	4.115	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.027	63	34140	47.756	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.520%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	15791	4.911	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	28462	4.672	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	24343	3.876	ug/L	99
3) Chloromethane	1.217	50	28591	4.173	ug/L	99
5) Vinyl chloride	1.285	62	29265	4.471	ug/L	93
6) Bromomethane	1.487	94	14378	4.171	ug/L	95
8) Chloroethane	1.548	64	21251	4.759	ug/L	95
9) Trichlorofluoromethane	1.712	101	51123	5.419	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	26082	5.289	ug/L	98
12) 1,1-Dichloroethene	2.069	96	24673	5.153	ug/L	97
13) Acetone	2.121	43	35745	52.856	ug/L #	40
14) Carbon disulfide	2.240	76	71805	4.635	ug/L	100
15) Methyl Acetate	2.384	43	7231	4.518	ug/L	99
16) Methylene chloride	2.449	84	23134	5.036	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	54147	5.504	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	24170	4.957	ug/L	98
19) 1,1-Dichloroethane	3.114	63	45569	5.086	ug/L	97
21) 2-Butanone	3.876	43	42359	47.398	ug/L #	46
22) cis-1,2-Dichloroethene	3.815	96	26845	4.852	ug/L	99
23) Bromochloromethane	4.153	128	10566	5.494	ug/L	84
25) Chloroform	4.278	83	47260	5.218	ug/L	96

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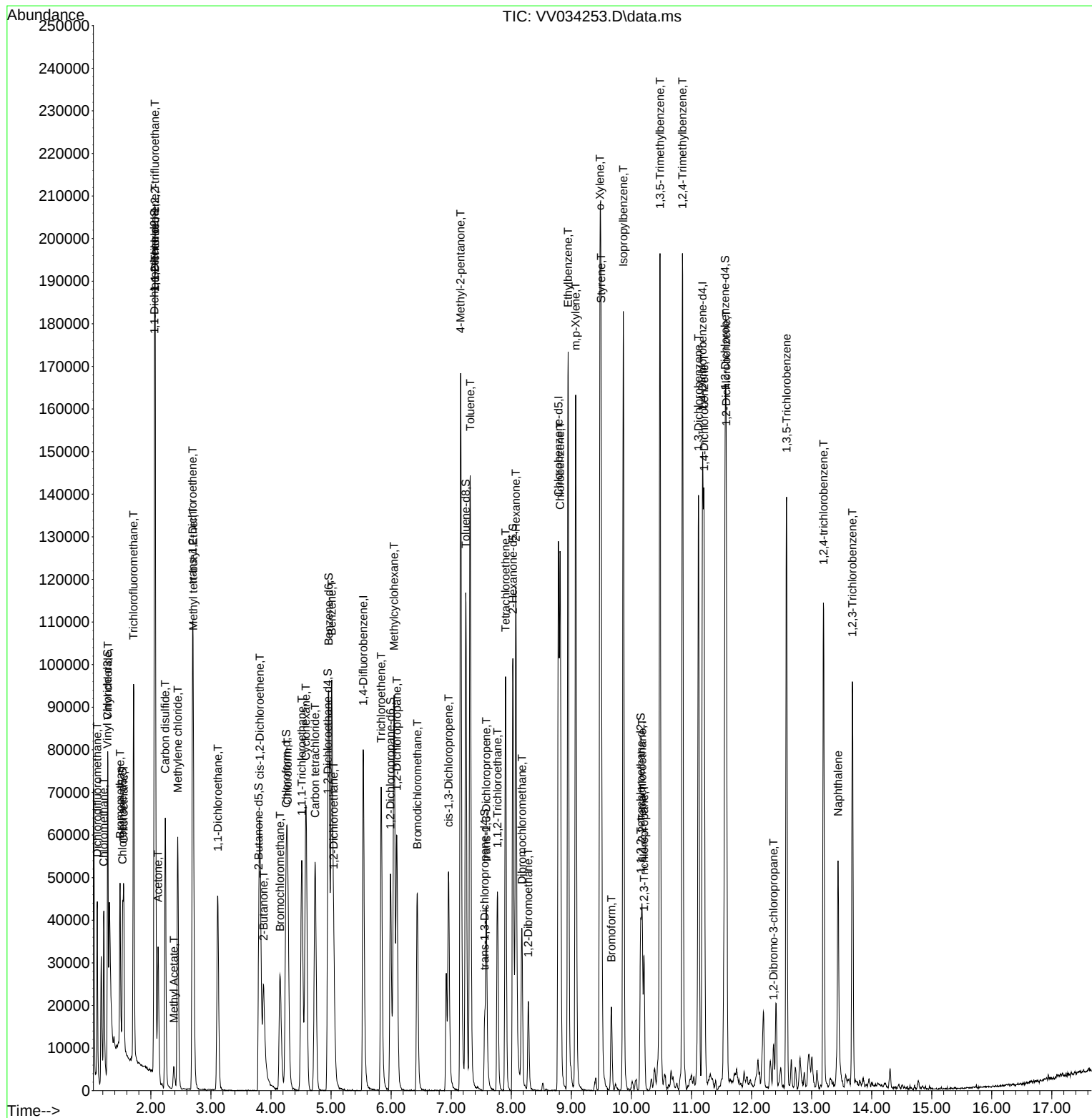
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	28918	5.576	ug/L #	95
29) 1,1,1-Trichloroethane	4.513	97	45350	5.342	ug/L	99
30) Cyclohexane	4.580	56	36489	4.419	ug/L	93
31) Carbon tetrachloride	4.735	117	41101	5.533	ug/L	99
33) Benzene	5.011	78	94973	5.007	ug/L	100
34) Trichloroethene	5.834	95	24888	4.534	ug/L	97
35) Methylcyclohexane	6.050	83	38851	4.509	ug/L	97
37) 1,2-Dichloropropane	6.095	63	21753	4.735	ug/L	100
38) Bromodichloromethane	6.436	83	31250	5.182	ug/L #	99
39) cis-1,3-Dichloropropene	6.957	75	29846	4.269	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	111645	50.746	ug/L	98
42) Toluene	7.317	91	103857	5.123	ug/L	97
44) trans-1,3-Dichloropropene	7.583	75	24600	4.583	ug/L	96
45) 1,1,2-Trichloroethane	7.770	97	14100	4.970	ug/L	97
47) Tetrachloroethene	7.905	164	20827	4.669	ug/L	93
48) 2-Hexanone	8.075	43	77256	49.817	ug/L	98
49) Dibromochloromethane	8.178	129	18418	5.463	ug/L	96
50) 1,2-Dibromoethane	8.284	107	13431	5.275	ug/L #	99
51) Chlorobenzene	8.815	112	65758	5.131	ug/L	98
52) Ethylbenzene	8.947	91	118883	5.095	ug/L	99
53) m,p-Xylene	9.072	106	43667	4.952	ug/L	97
54) o-Xylene	9.477	106	43794	5.151	ug/L	99
55) Styrene	9.497	104	68825	5.055	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	16377	5.470	ug/L	99
59) Bromoform	9.667	173	8514	4.614	ug/L	100
60) Isopropylbenzene	9.866	105	113849	4.594	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	11603	5.039	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	101192	4.829	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	101316	4.976	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	53331	4.935	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	51505	4.813	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	47294	5.096	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	2585	5.356	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	40078	4.792	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	31455	4.818	ug/L	98
71) Naphthalene	13.442	128	41938	4.902	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	27119	5.184	ug/L	97

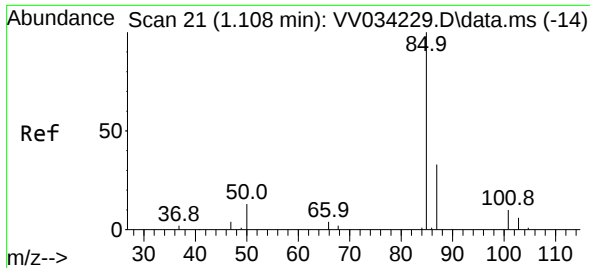
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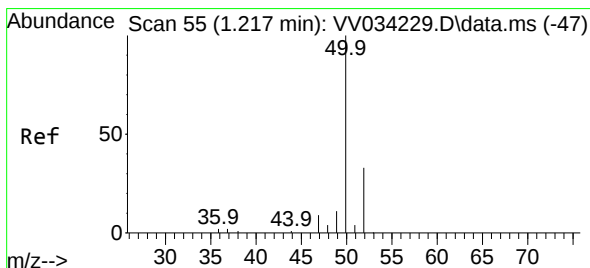
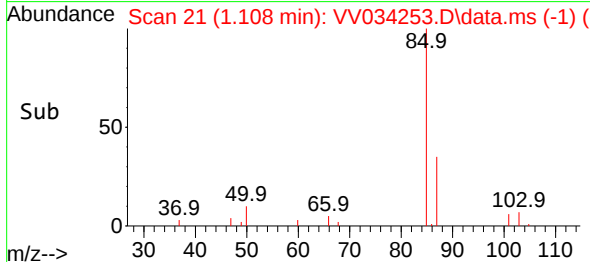
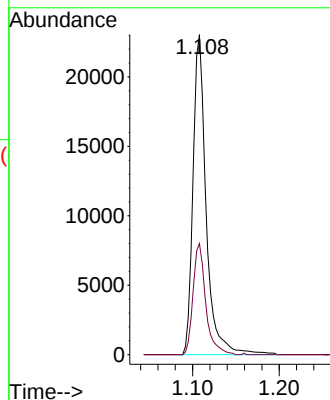
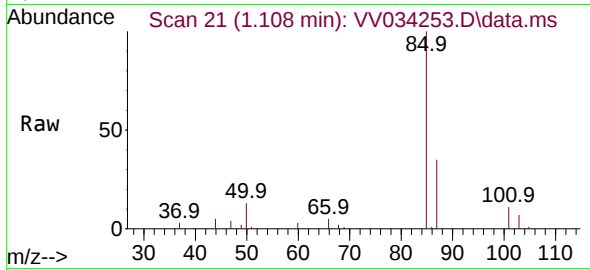




#2
 Dichlorodifluoromethane
 Concen: 3.876 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

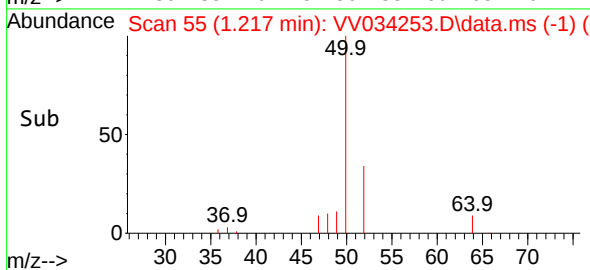
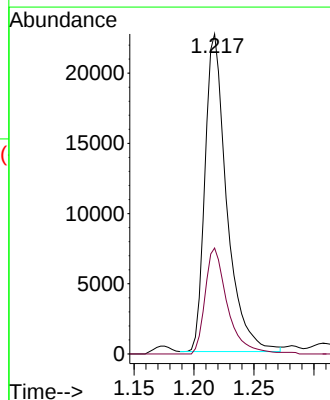
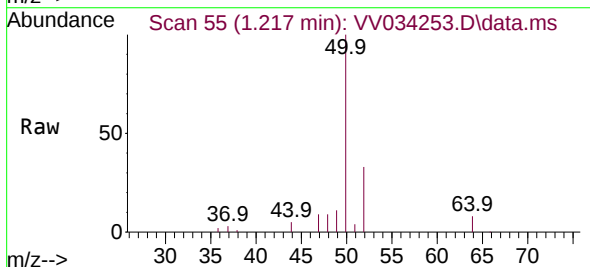
Instrument :
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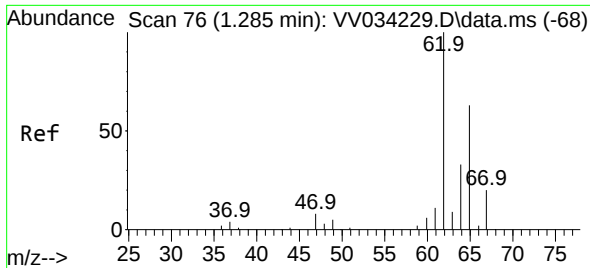
Tgt Ion: 85 Resp: 24343
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.2 39.4



#3
 Chloromethane
 Concen: 4.173 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

Tgt Ion: 50 Resp: 28591
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.4

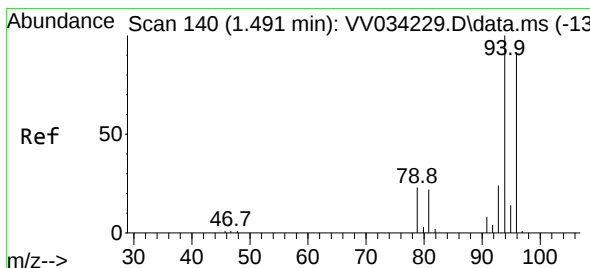
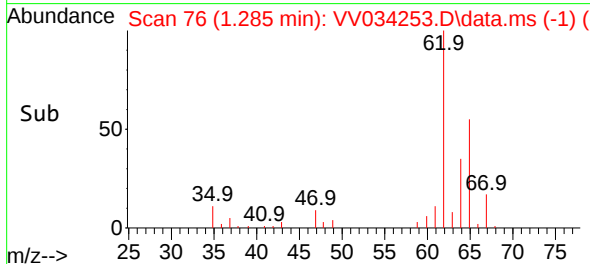
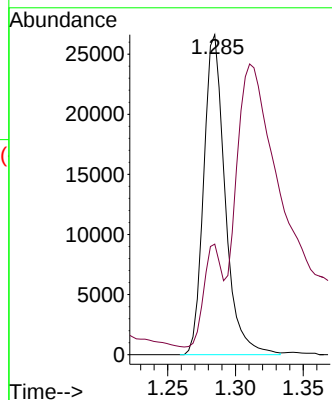
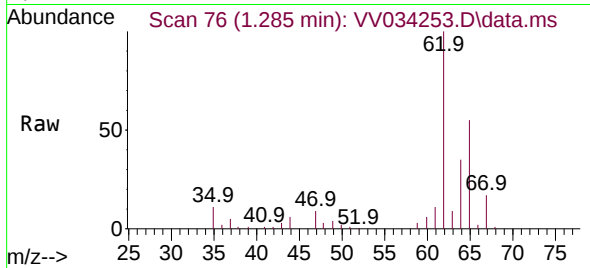




#5
Vinyl chloride
Concen: 4.471 ug/L
RT: 1.285 min Scan# 70
Delta R.T. -0.000 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

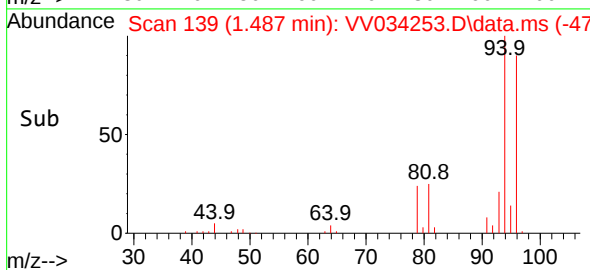
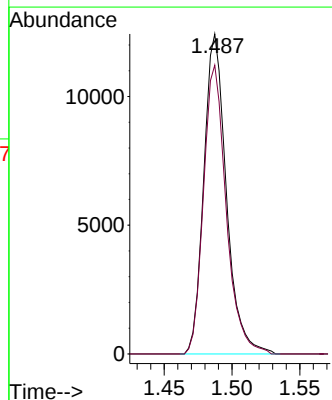
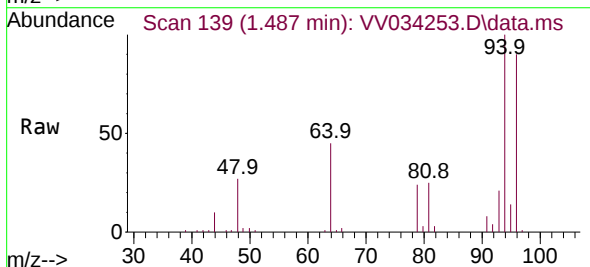
Instrument :
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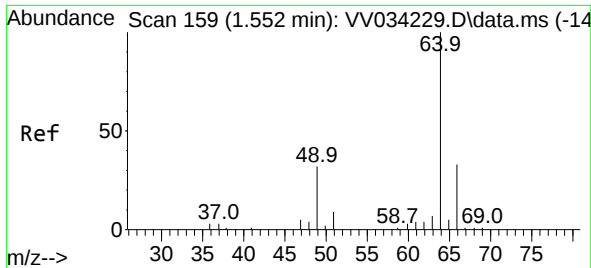
Tgt Ion: 62 Resp: 29265
Ion Ratio Lower Upper
62 100
64 34.6 27.2 50.4



#6
Bromomethane
Concen: 4.171 ug/L
RT: 1.487 min Scan# 139
Delta R.T. -0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion: 94 Resp: 14378
Ion Ratio Lower Upper
94 100
96 90.3 66.6 123.8

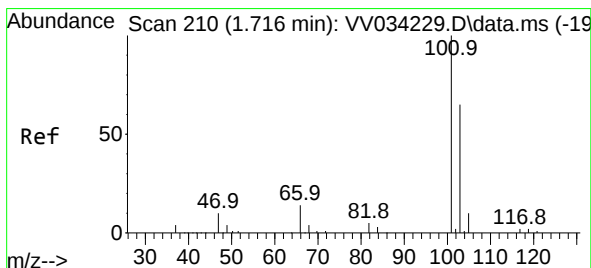
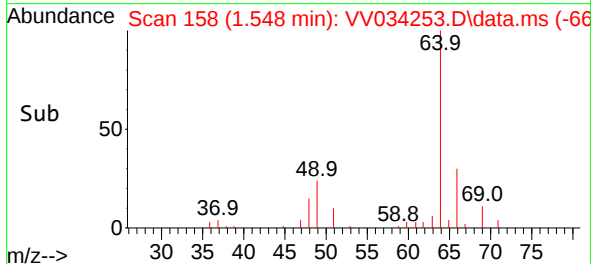
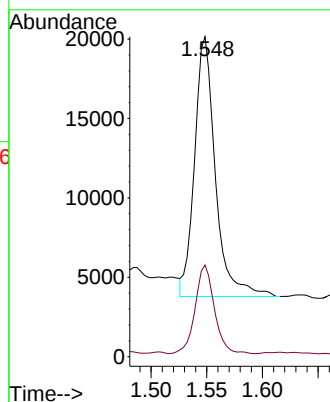
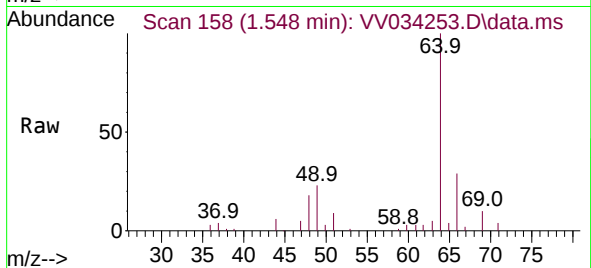




#8
Chloroethane
Concen: 4.759 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

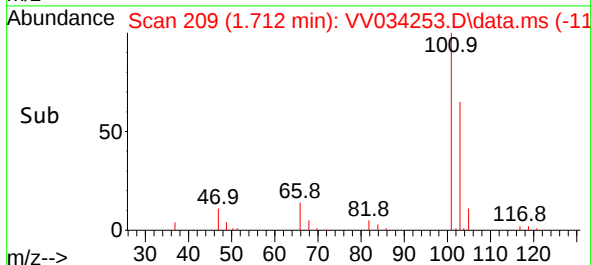
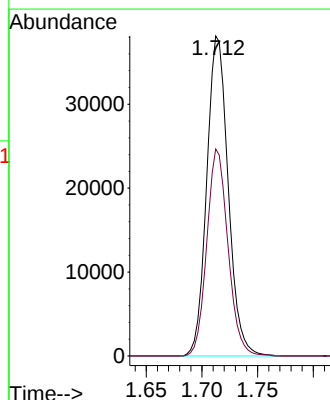
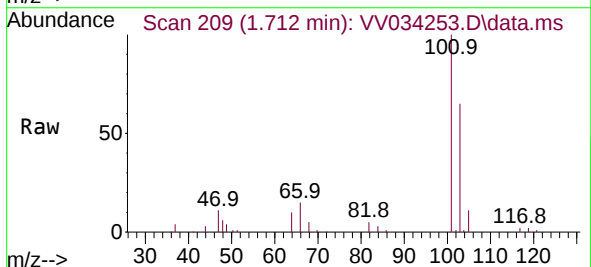
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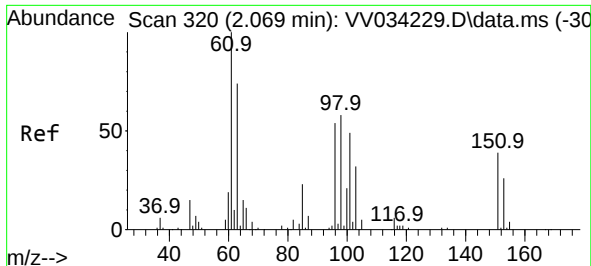
Tgt Ion: 64 Resp: 21251
Ion Ratio Lower Upper
64 100
66 28.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 5.419 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion:101 Resp: 51123
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4

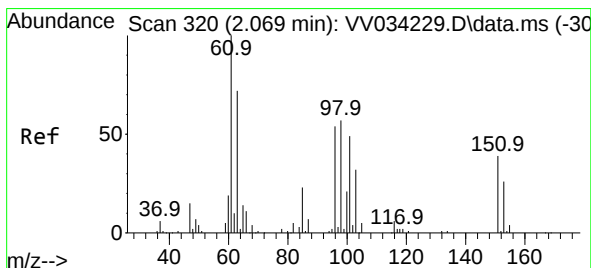
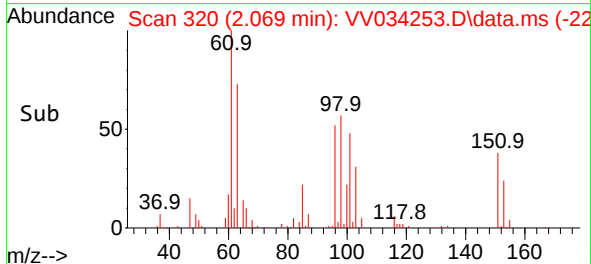
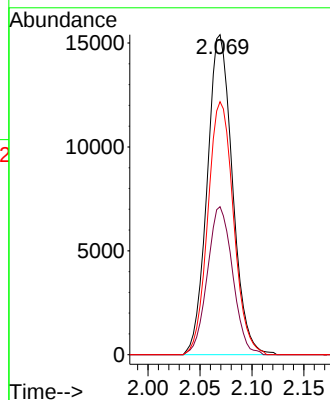
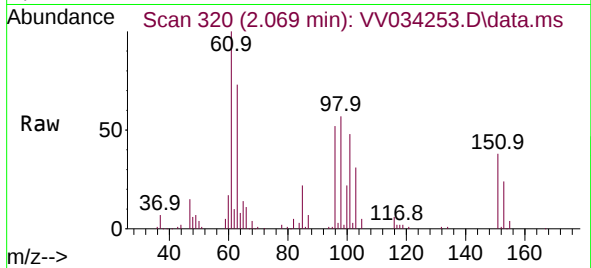




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.289 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

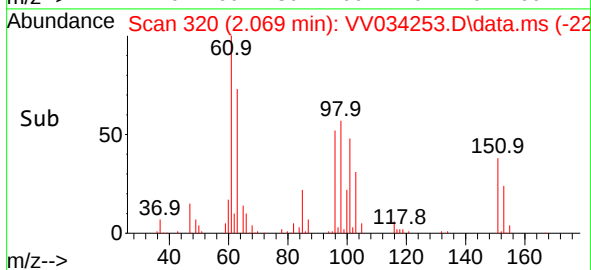
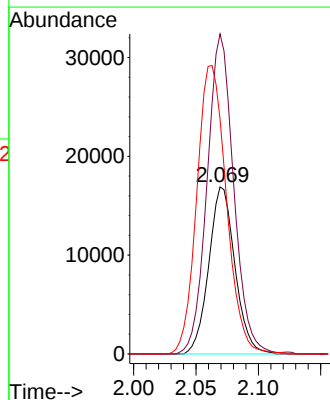
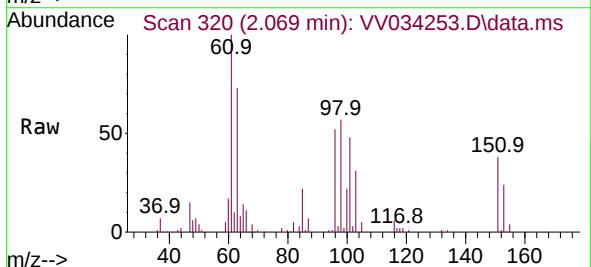
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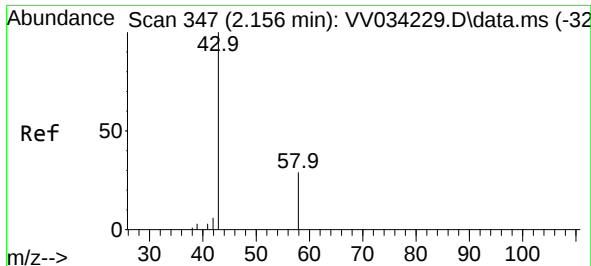
Tgt Ion:101 Resp: 26082
 Ion Ratio Lower Upper
 101 100
 85 46.1 37.1 55.7
 151 80.1 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 5.153 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

Tgt Ion: 96 Resp: 24673
 Ion Ratio Lower Upper
 96 100
 61 191.5 128.8 239.2
 63 140.5 97.9 181.9





#13

Acetone

Concen: 52.856 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.035 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

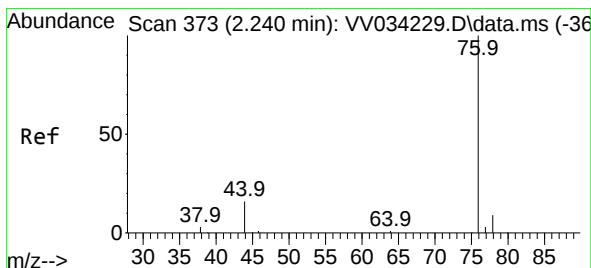
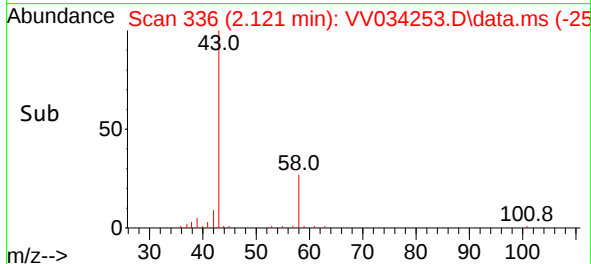
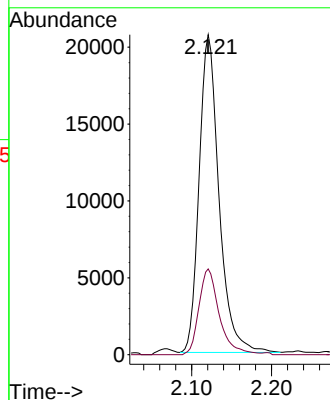
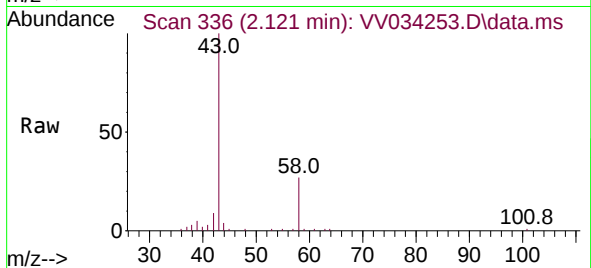
ClientSampleId :

Tgt Ion: 43 Resp: 35745

Ion Ratio Lower Upper

43 100

58 27.7 0.0 13.8#



#14

Carbon disulfide

Concen: 4.635 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV034253.D

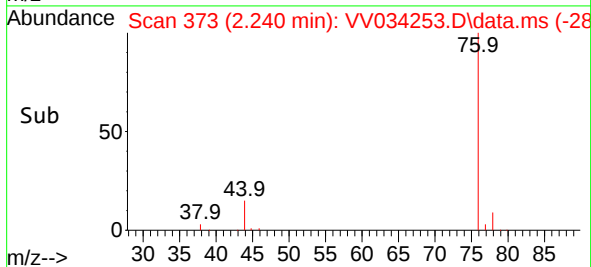
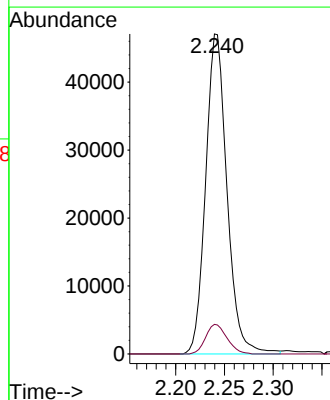
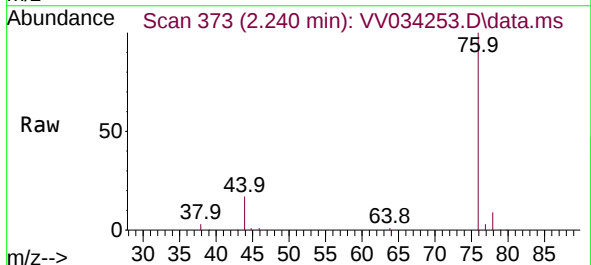
Acq: 19 Feb 2024 19:10

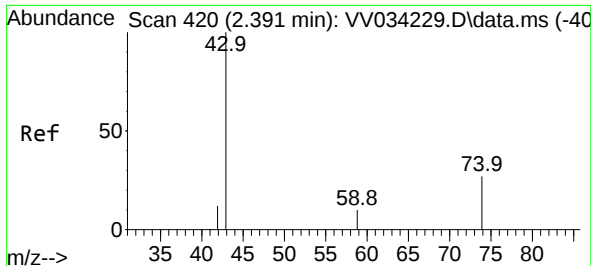
Tgt Ion: 76 Resp: 71805

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

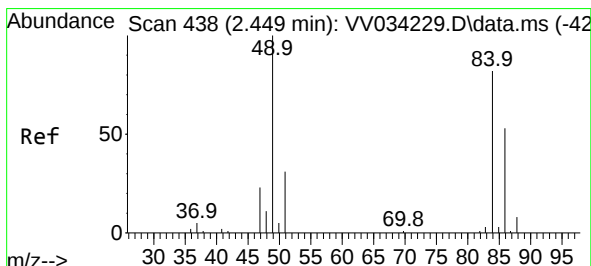
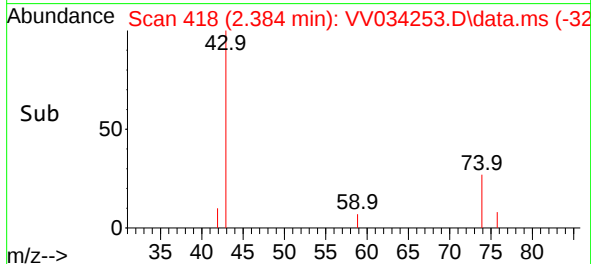
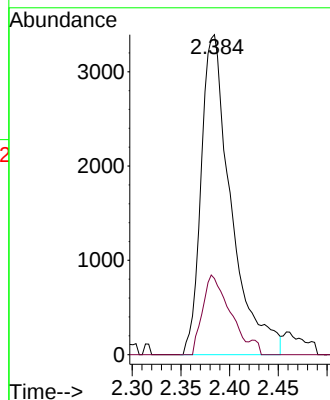
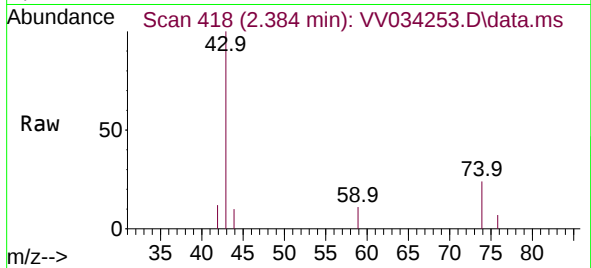




#15
Methyl Acetate
Concen: 4.518 ug/L
RT: 2.384 min Scan# 418
Delta R.T. -0.007 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

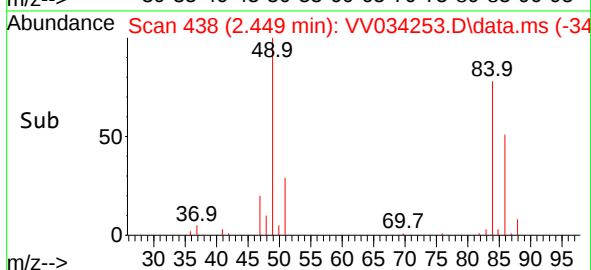
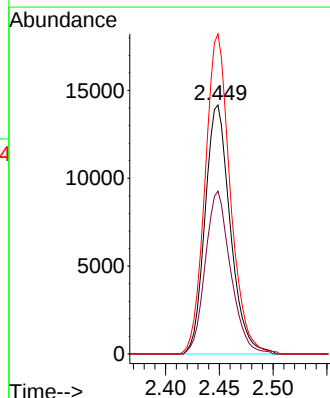
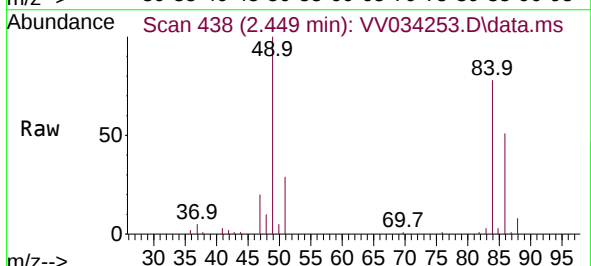
Instrument :
MSVOA_V
ClientSampleId :

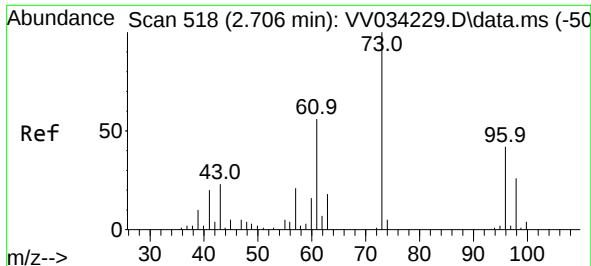
Tgt Ion: 43 Resp: 7231
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.4



#16
Methylene chloride
Concen: 5.036 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion: 84 Resp: 23134
Ion Ratio Lower Upper
84 100
86 65.4 44.7 83.1
49 128.6 93.7 173.9





#17

Methyl tert-butyl Ether

Concen: 5.504 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :

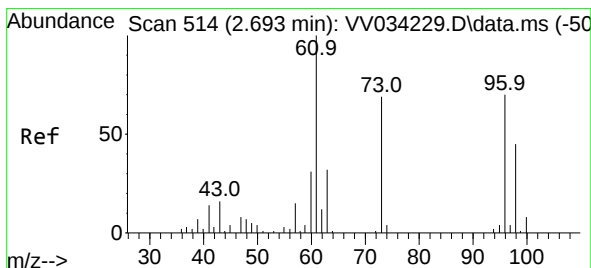
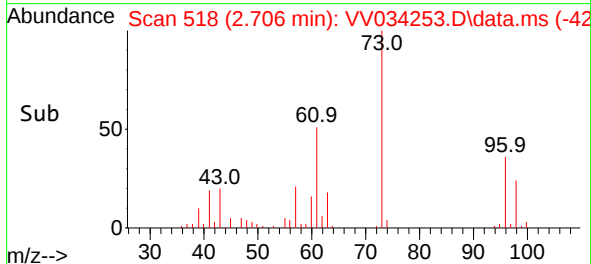
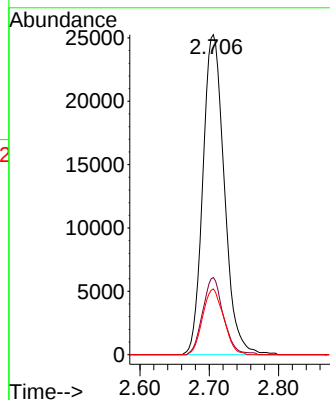
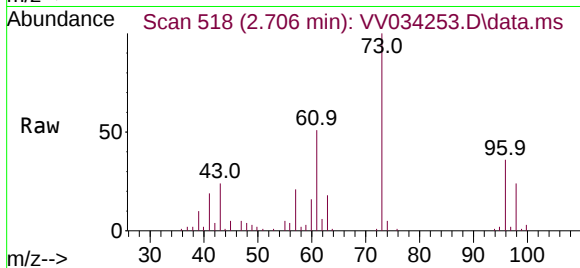
Tgt Ion: 73 Resp: 54147

Ion Ratio Lower Upper

73 100

43 23.2 17.7 26.5

57 20.2 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 4.957 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

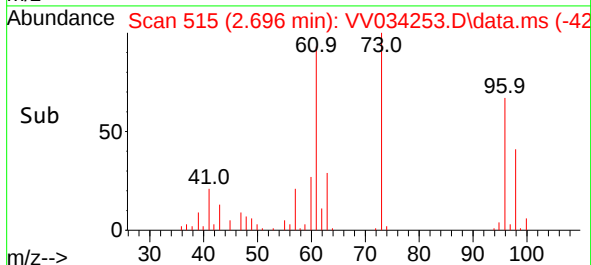
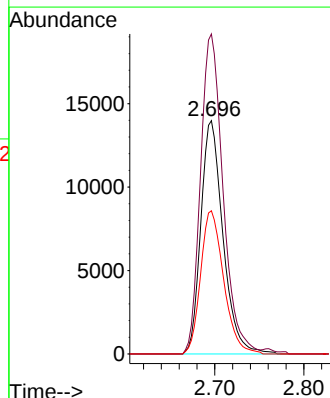
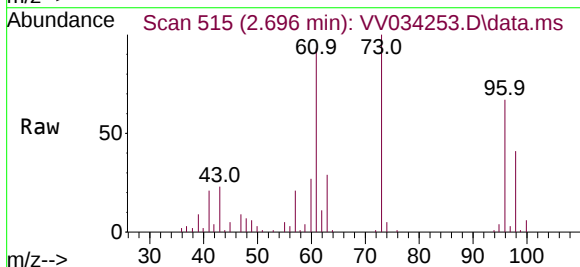
Tgt Ion: 96 Resp: 24170

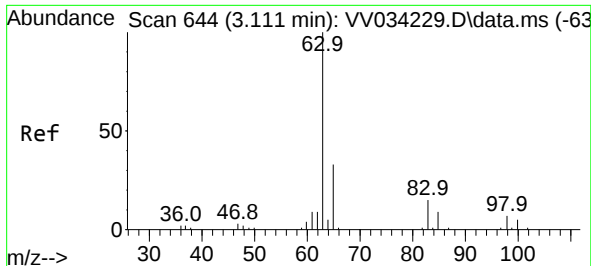
Ion Ratio Lower Upper

96 100

61 137.2 97.6 181.4

98 61.4 44.4 82.5





#19

1,1-Dichloroethane

Concen: 5.086 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

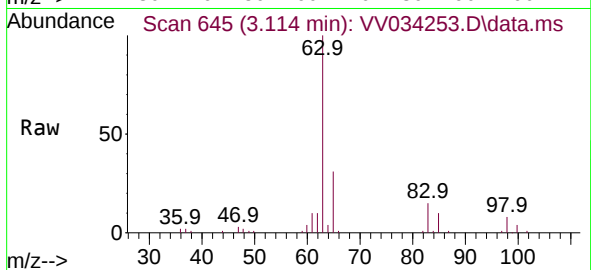
Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :



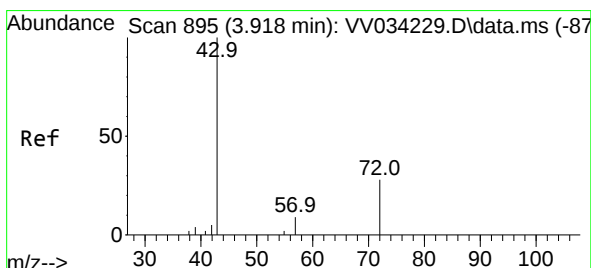
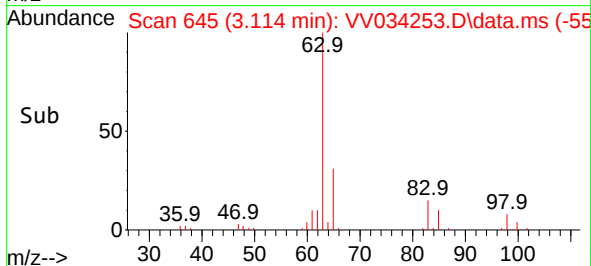
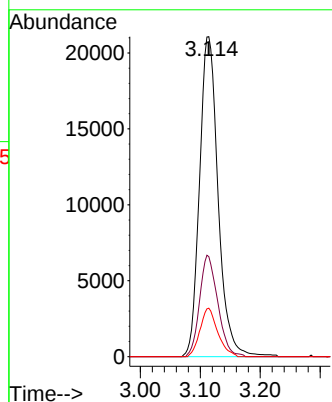
Tgt Ion: 63 Resp: 45569

Ion Ratio Lower Upper

63 100

65 31.3 20.8 38.6

83 15.2 9.4 17.4



#21

2-Butanone

Concen: 47.398 ug/L

RT: 3.876 min Scan# 882

Delta R.T. -0.042 min

Lab File: VV034253.D

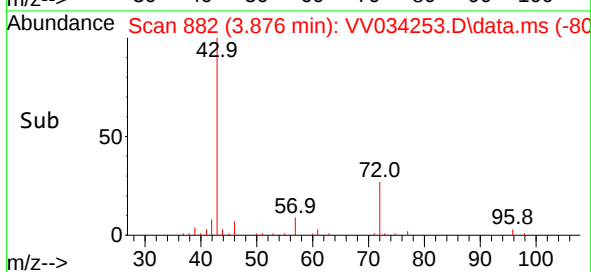
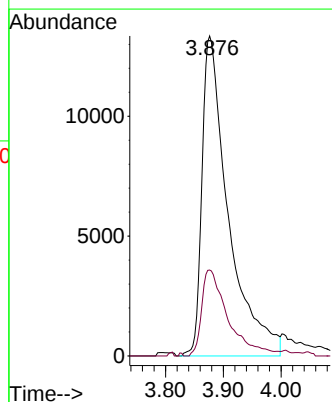
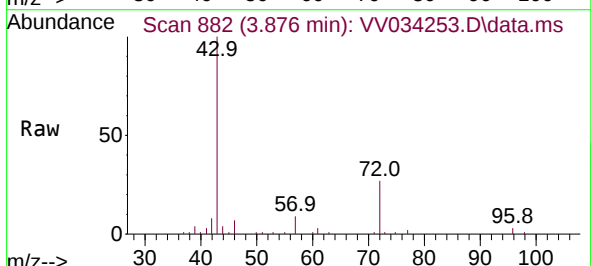
Acq: 19 Feb 2024 19:10

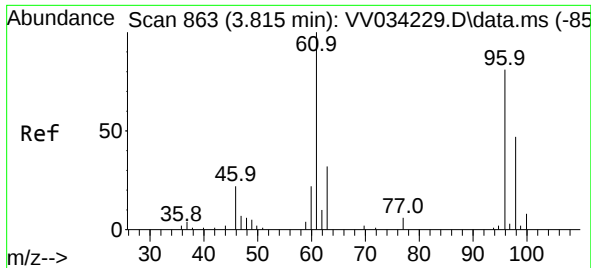
Tgt Ion: 43 Resp: 42359

Ion Ratio Lower Upper

43 100

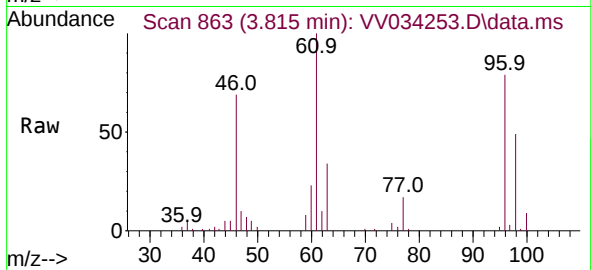
72 26.8 4.0 11.9#



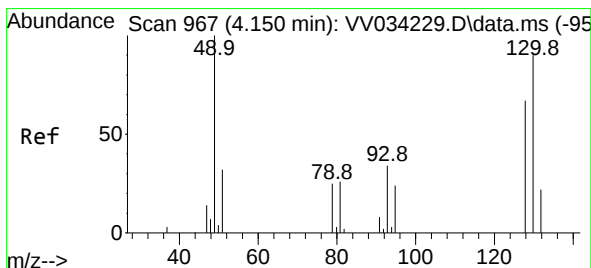
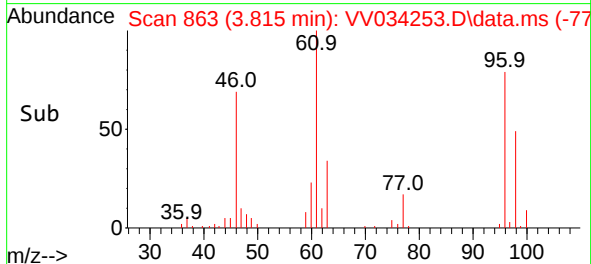
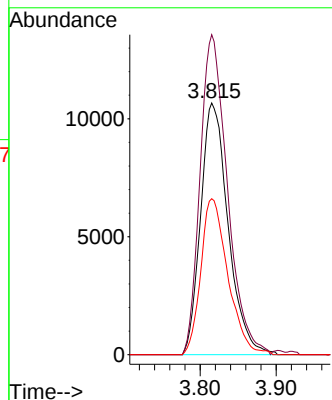


#22
 cis-1,2-Dichloroethene
 Concen: 4.852 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

Instrument :
 MSVOA_V
 ClientSampleId :

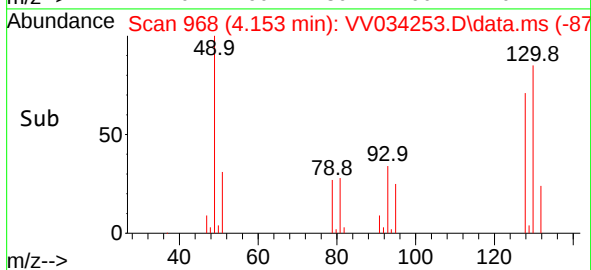
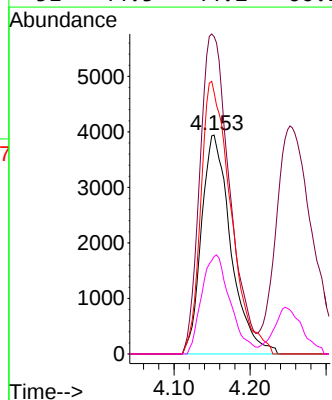
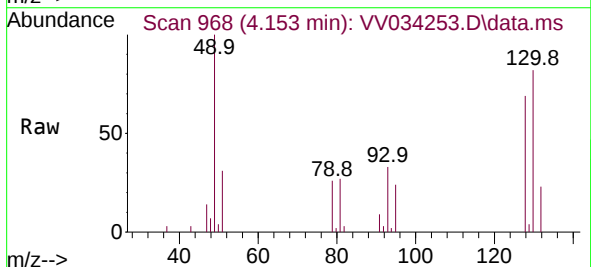


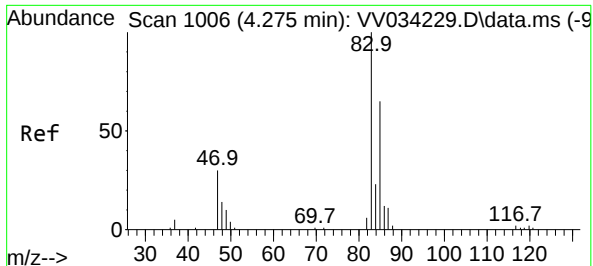
Tgt Ion: 96 Resp: 26845
 Ion Ratio Lower Upper
 96 100
 61 127.1 90.3 167.7
 98 62.0 43.2 80.2



#23
 Bromochloromethane
 Concen: 5.494 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.003 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

Tgt Ion: 128 Resp: 10566
 Ion Ratio Lower Upper
 128 100
 49 144.9 120.5 223.7
 130 119.5 93.4 173.4
 51 44.5 44.2 66.2





#25

Chloroform

Concen: 5.218 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

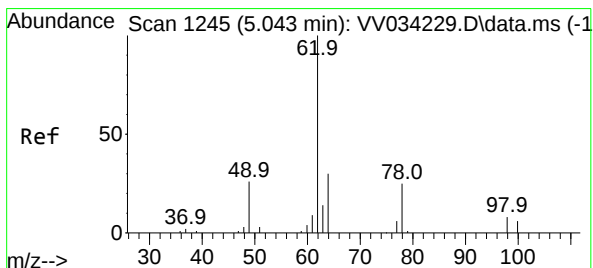
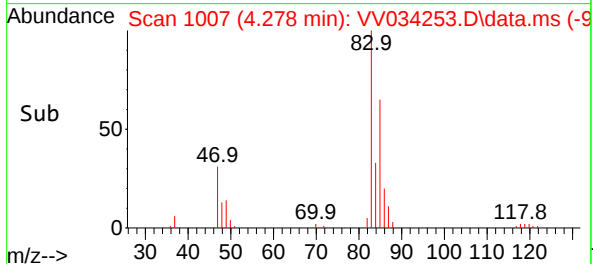
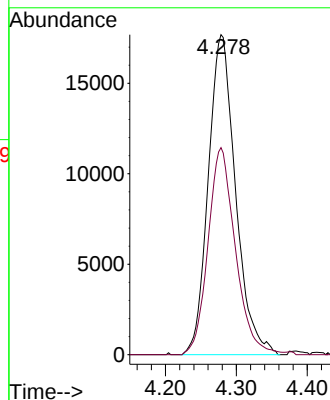
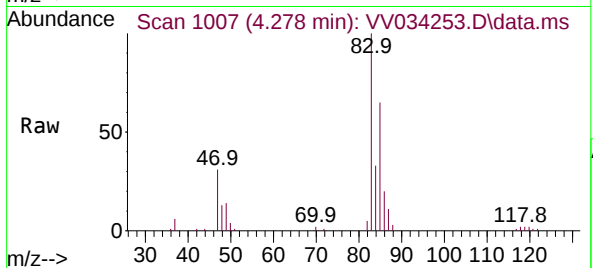
ClientSampleId :

Tgt Ion: 83 Resp: 47260

Ion Ratio Lower Upper

83 100

85 64.7 47.5 88.1



#27

1,2-Dichloroethane

Concen: 5.576 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VV034253.D

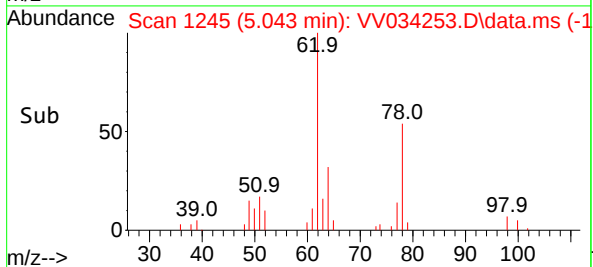
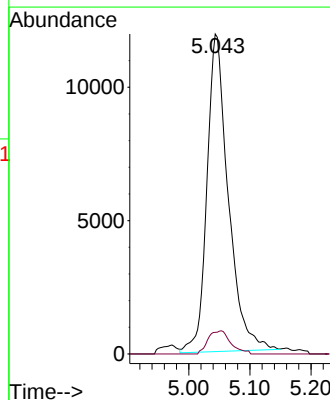
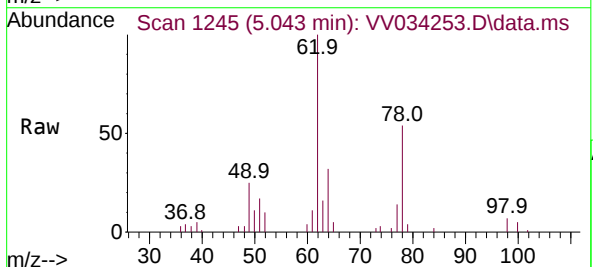
Acq: 19 Feb 2024 19:10

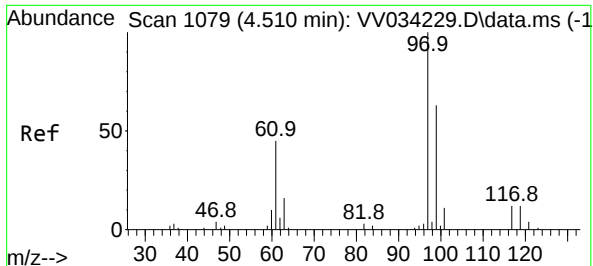
Tgt Ion: 62 Resp: 28918

Ion Ratio Lower Upper

62 100

98 6.7 6.9 10.3#





#29

1,1,1-Trichloroethane

Concen: 5.342 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :

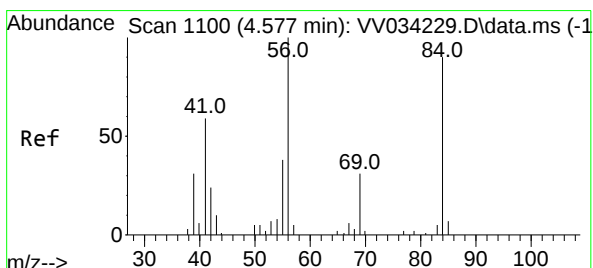
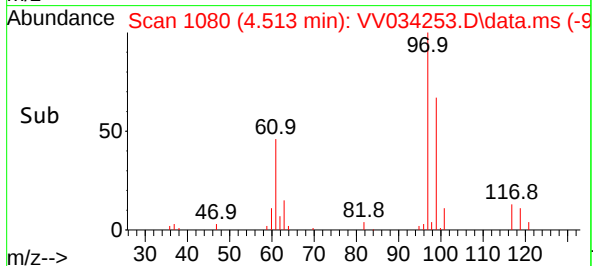
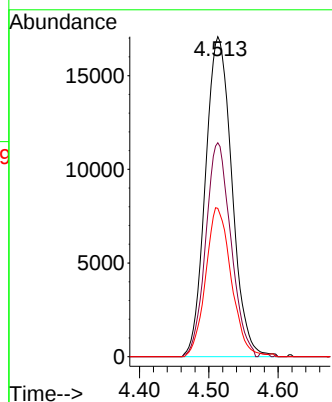
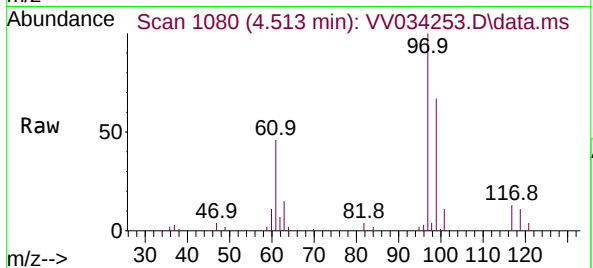
Tgt Ion: 97 Resp: 45350

Ion Ratio Lower Upper

97 100

99 63.5 50.6 75.8

61 44.9 36.8 55.2



#30

Cyclohexane

Concen: 4.419 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

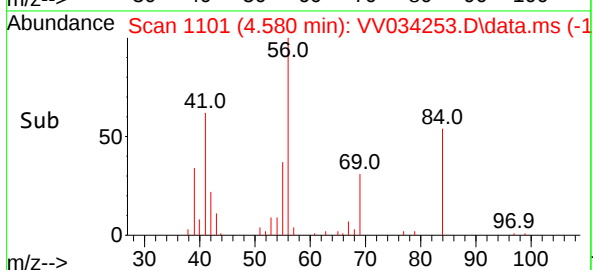
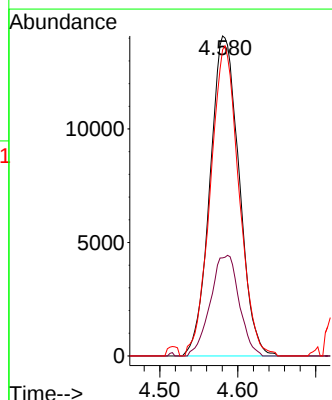
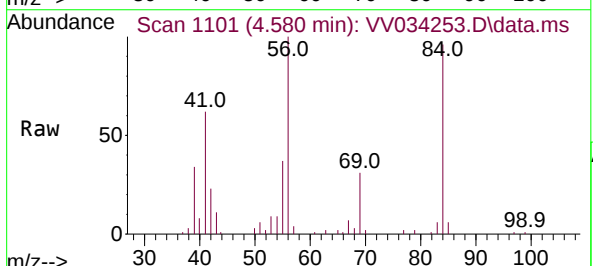
Tgt Ion: 56 Resp: 36489

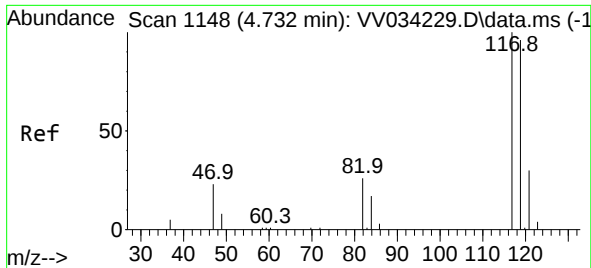
Ion Ratio Lower Upper

56 100

69 31.1 24.2 36.2

84 95.1 70.0 105.0

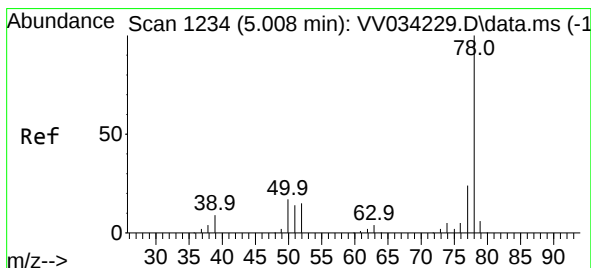
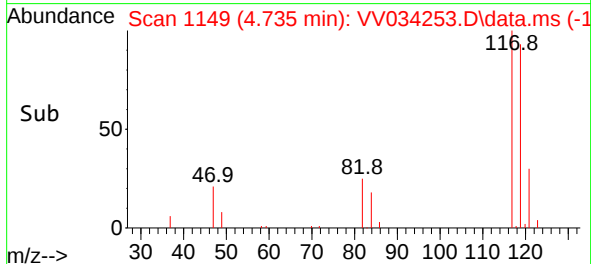
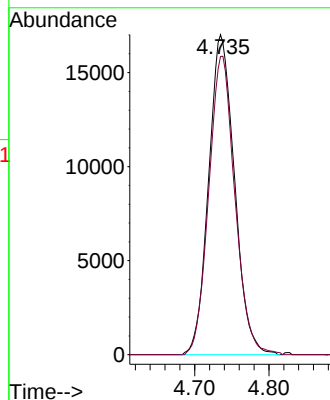
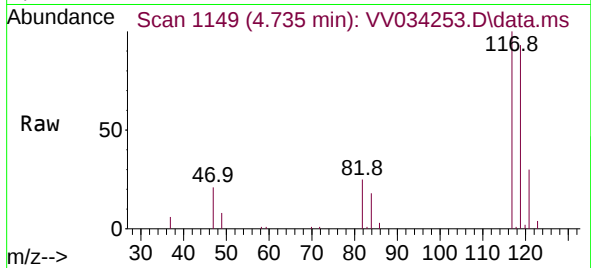




#31
Carbon tetrachloride
Concen: 5.533 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

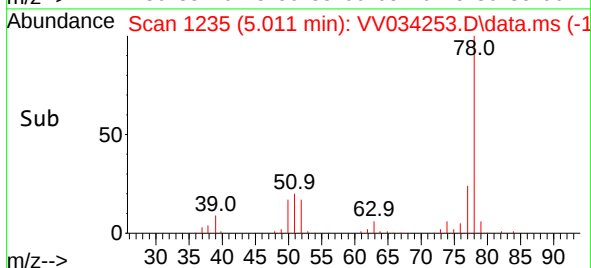
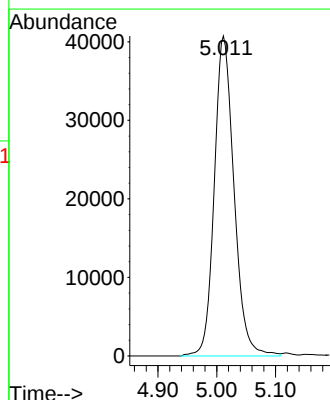
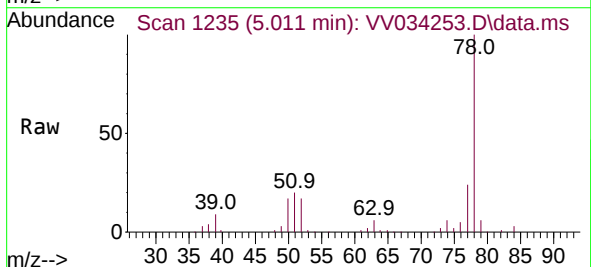
Instrument :
MSVOA_V
ClientSampleId :

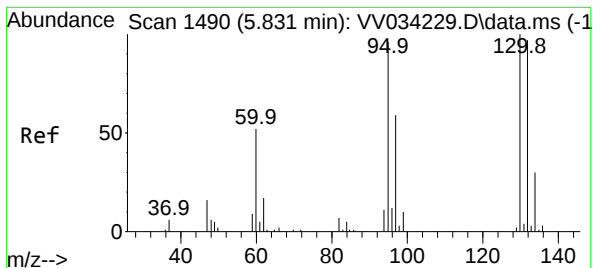
Tgt Ion:117 Resp: 41101
Ion Ratio Lower Upper
117 100
119 94.3 76.1 114.1



#33
Benzene
Concen: 5.007 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion: 78 Resp: 94973





#34

Trichloroethene

Concen: 4.534 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 24888

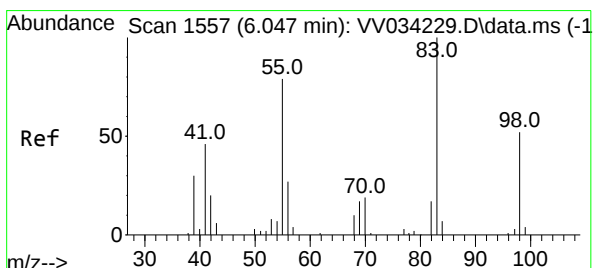
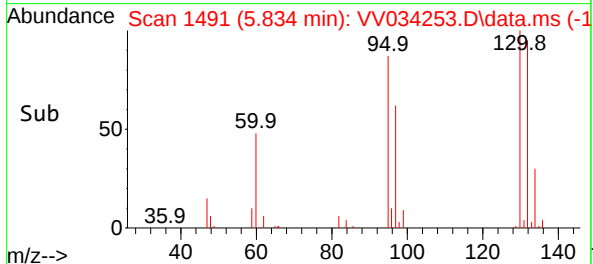
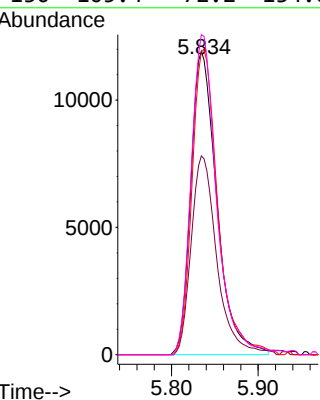
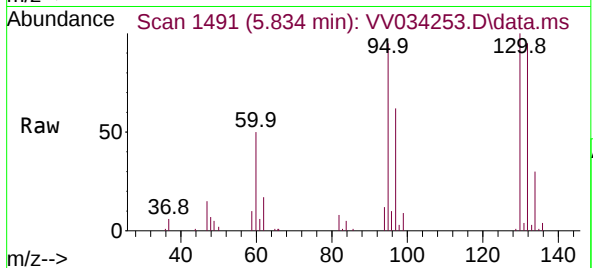
Ion Ratio Lower Upper

95 100

97 65.5 45.1 83.7

132 99.8 66.0 122.6

130 105.4 72.2 134.0



#35

Methylcyclohexane

Concen: 4.509 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

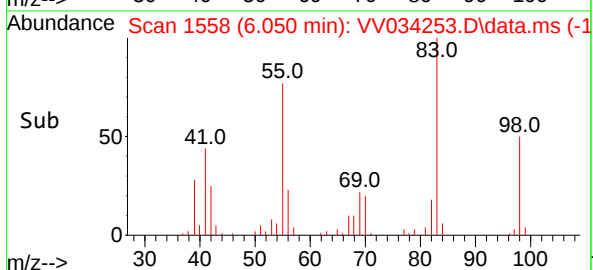
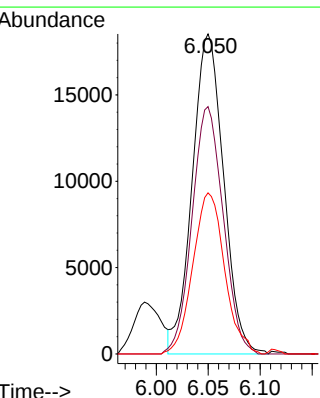
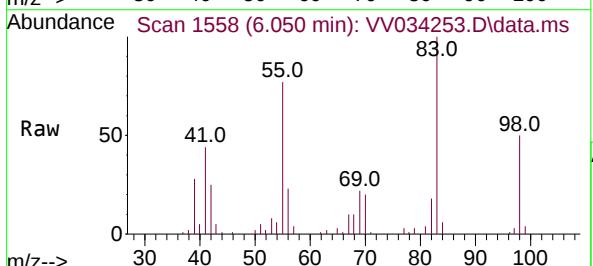
Tgt Ion: 83 Resp: 38851

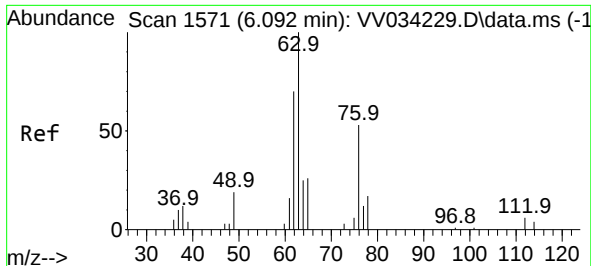
Ion Ratio Lower Upper

83 100

55 76.8 63.5 95.3

98 51.1 39.0 58.4





#37

1,2-Dichloropropane

Concen: 4.735 ug/L

RT: 6.095 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

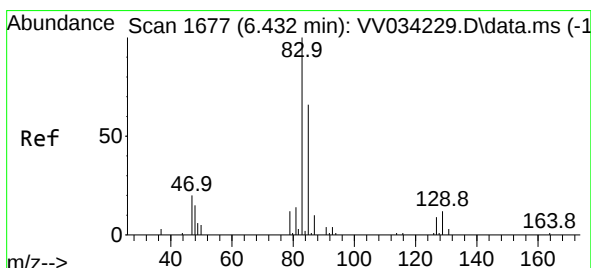
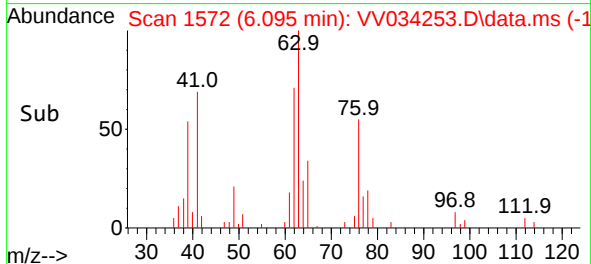
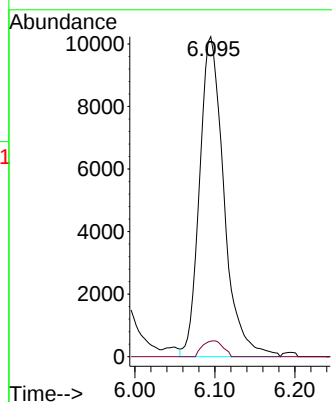
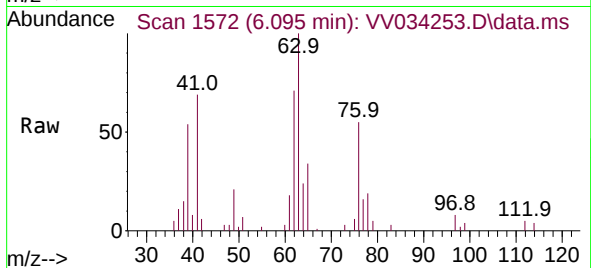
ClientSampleId :

Tgt Ion: 63 Resp: 21753

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 5.182 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

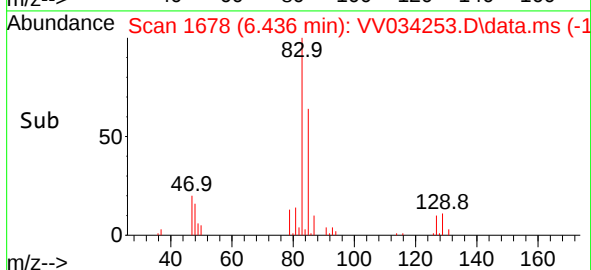
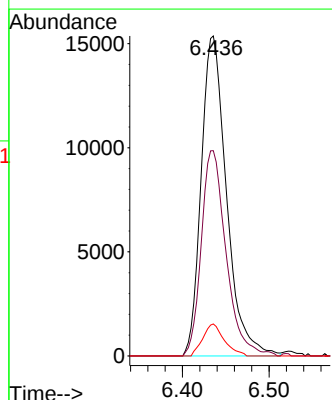
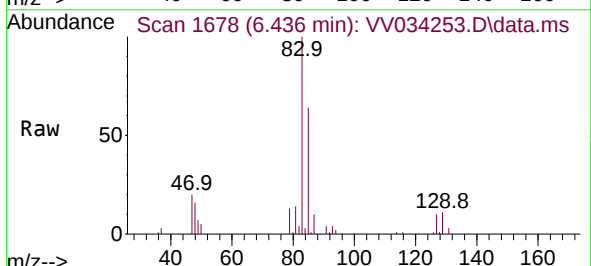
Tgt Ion: 83 Resp: 31250

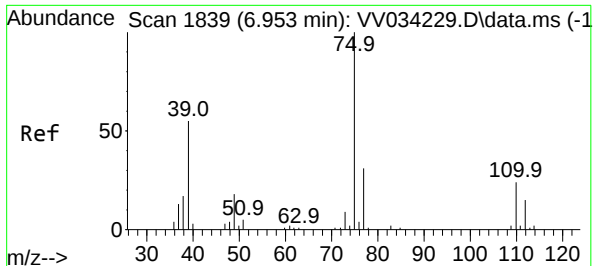
Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.2

127 10.0 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 4.269 ug/L

RT: 6.957 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

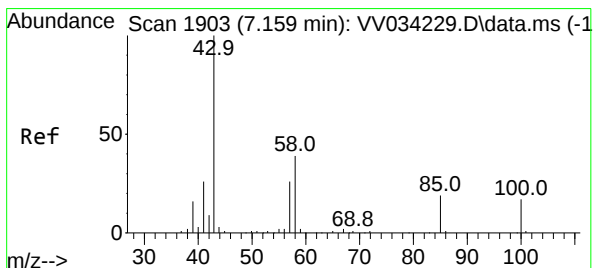
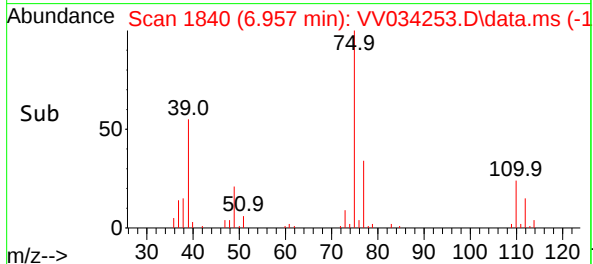
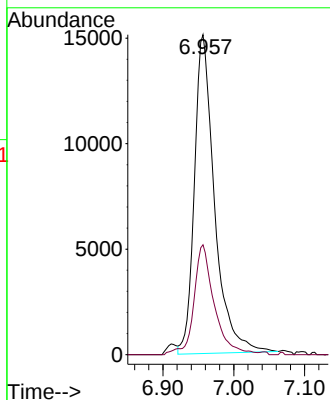
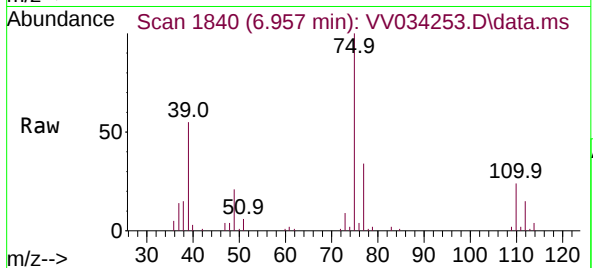
ClientSampleId :

Tgt Ion: 75 Resp: 29846

Ion Ratio Lower Upper

75 100

77 34.4 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 50.746 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

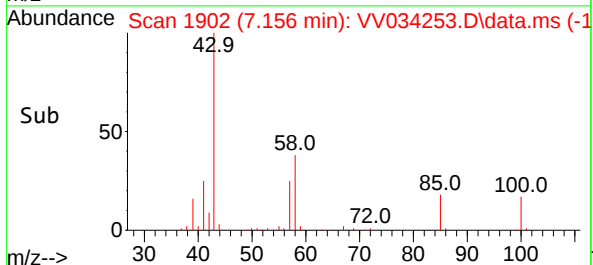
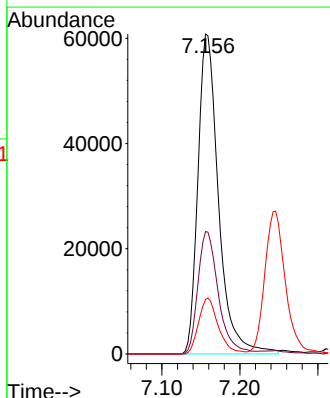
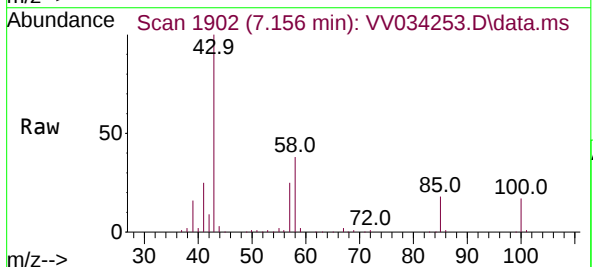
Tgt Ion: 43 Resp: 111645

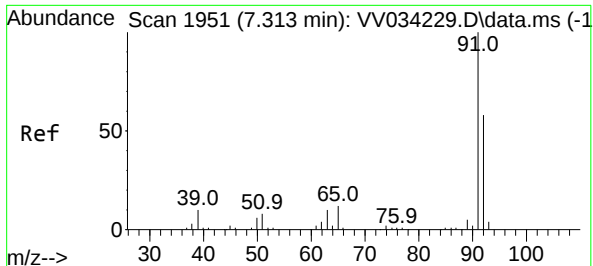
Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.2

100 16.7 12.1 18.1





#42

Toluene

Concen: 5.123 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

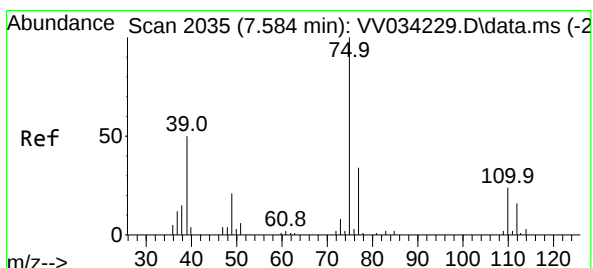
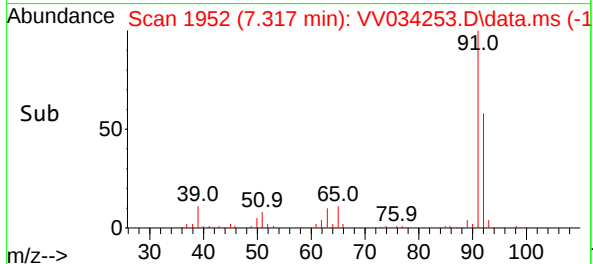
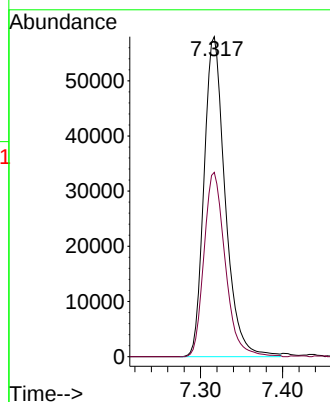
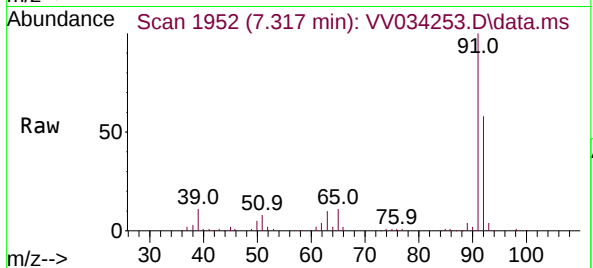
ClientSampleId :

Tgt Ion: 91 Resp: 103857

Ion Ratio Lower Upper

91 100

92 57.6 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 4.583 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV034253.D

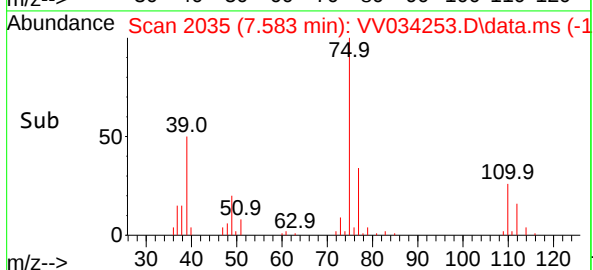
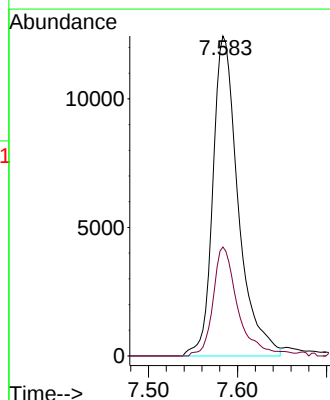
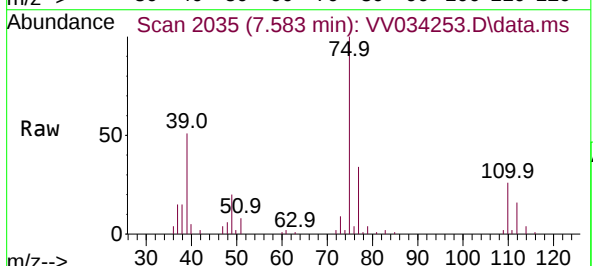
Acq: 19 Feb 2024 19:10

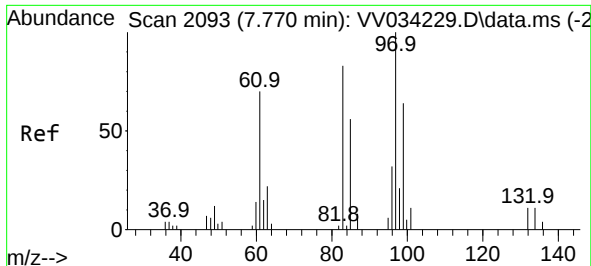
Tgt Ion: 75 Resp: 24600

Ion Ratio Lower Upper

75 100

77 34.1 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 4.970 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 14100

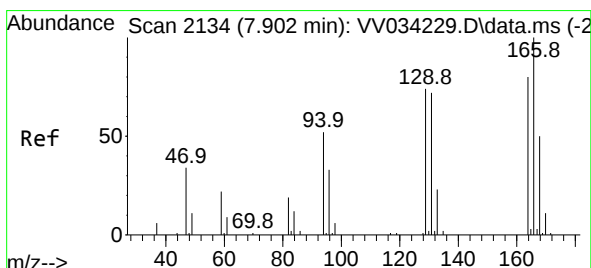
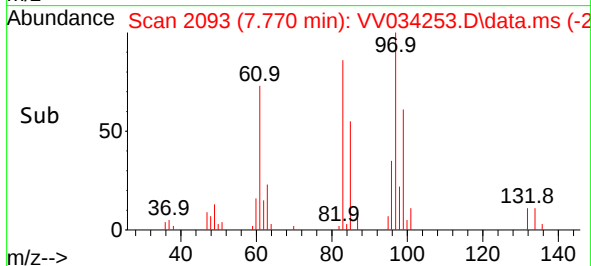
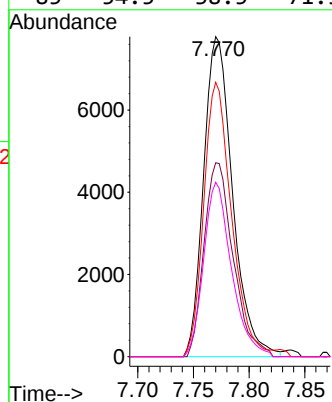
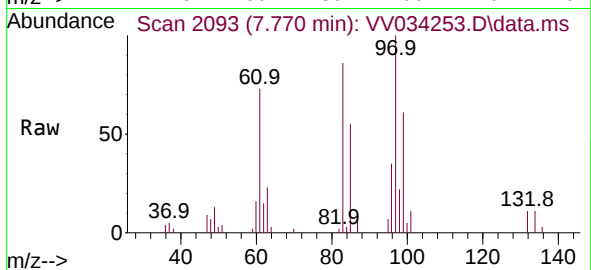
Ion Ratio Lower Upper

97 100

99 60.6 45.6 84.6

83 85.7 62.3 115.7

85 54.5 38.5 71.5



#47

Tetrachloroethene

Concen: 4.669 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Tgt Ion: 164 Resp: 20827

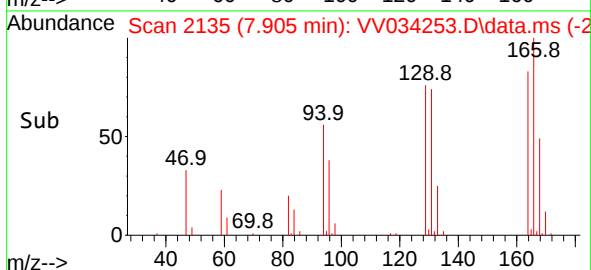
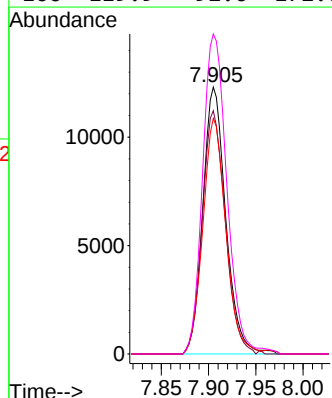
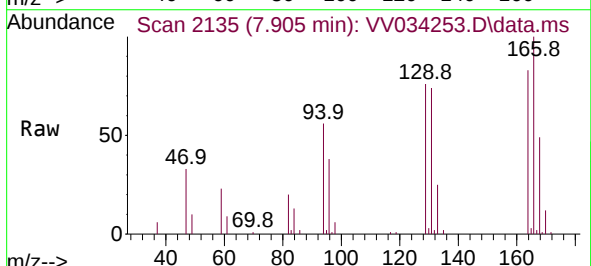
Ion Ratio Lower Upper

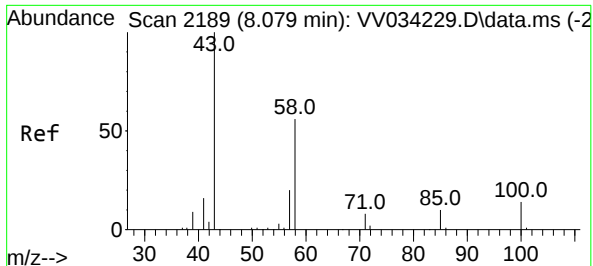
164 100

129 91.1 67.8 125.8

131 88.2 63.0 117.0

166 119.9 92.6 172.0

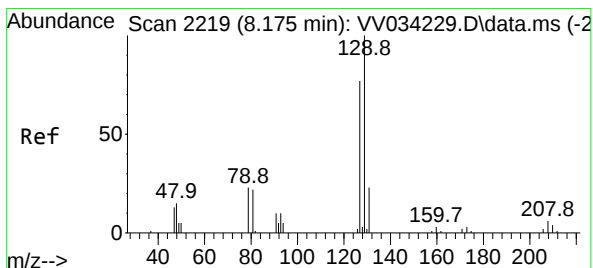
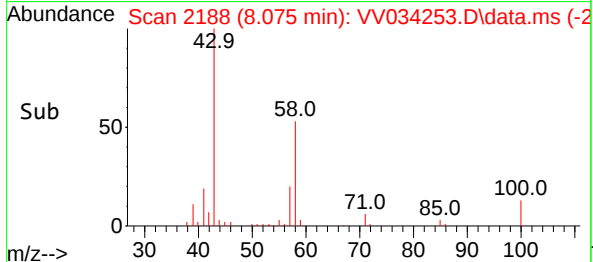
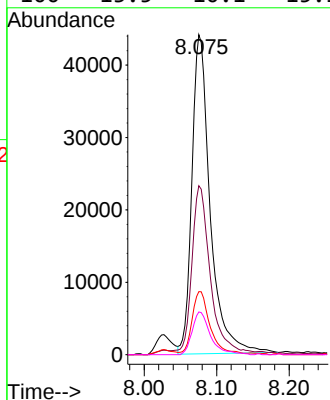
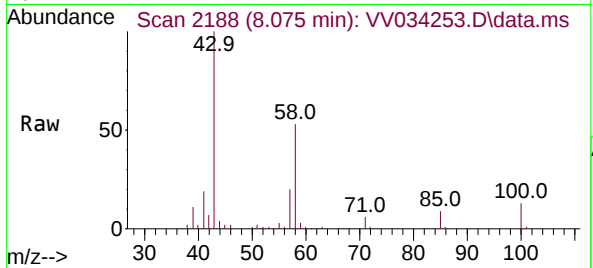




#48
2-Hexanone
Concen: 49.817 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

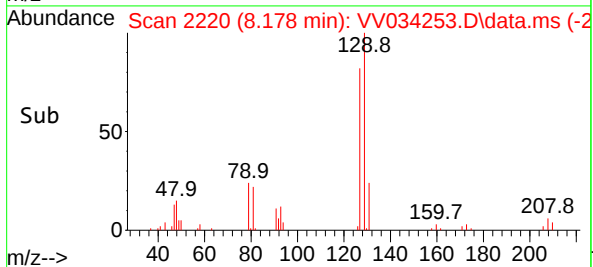
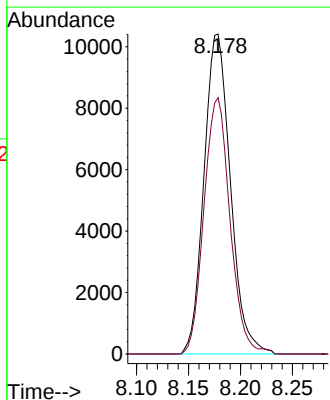
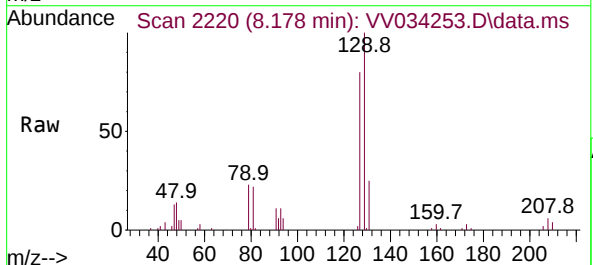
Instrument :
MSVOA_V
ClientSampleId :

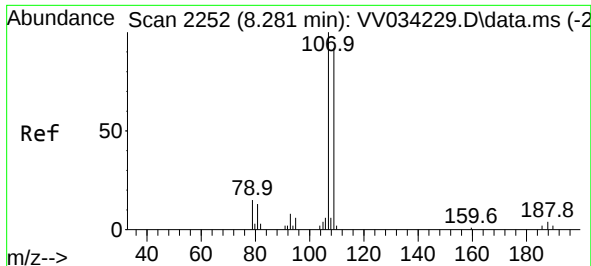
Tgt Ion:	43	Resp:	77256
Ion	Ratio	Lower	Upper
43	100		
58	51.8	42.6	64.0
57	19.6	15.5	23.3
100	13.5	10.1	15.1



#49
Dibromochloromethane
Concen: 5.463 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion:	129	Resp:	18418
Ion	Ratio	Lower	Upper
129	100		
127	80.1	53.5	99.5





#50

1,2-Dibromoethane

Concen: 5.275 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

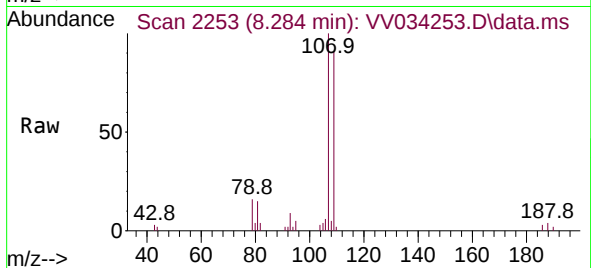
Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :



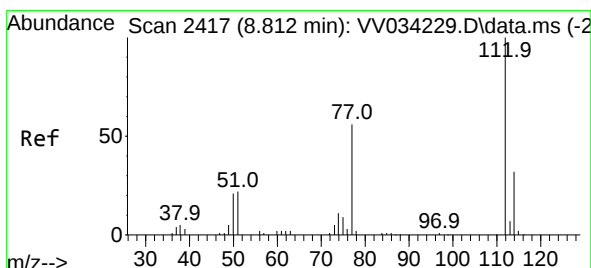
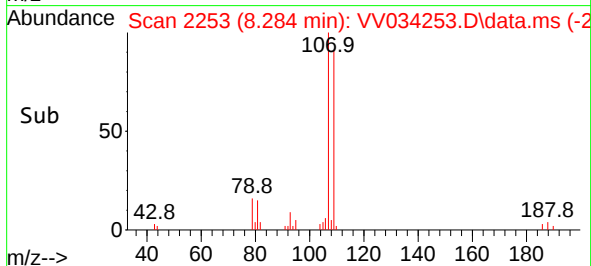
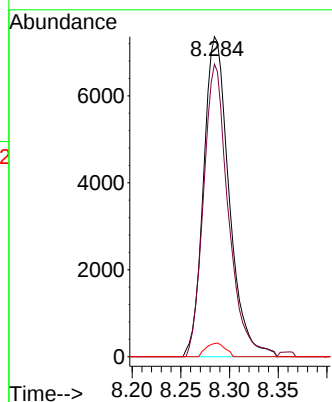
Tgt Ion:107 Resp: 13431

Ion Ratio Lower Upper

107 100

109 91.4 64.5 119.9

188 4.1 2.6 4.0#



#51

Chlorobenzene

Concen: 5.131 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

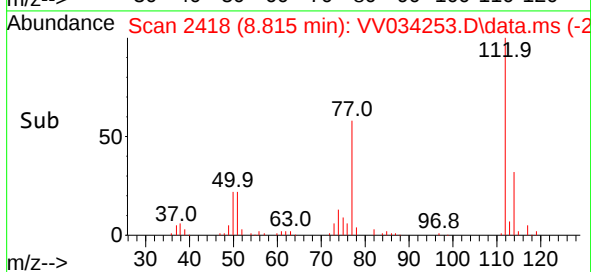
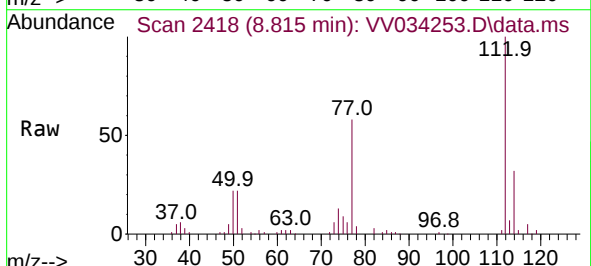
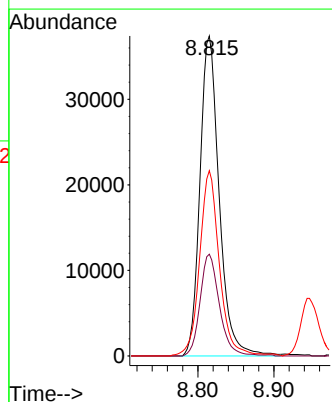
Tgt Ion:112 Resp: 65758

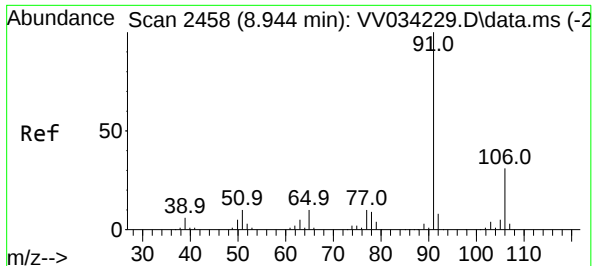
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 57.9 48.1 72.1

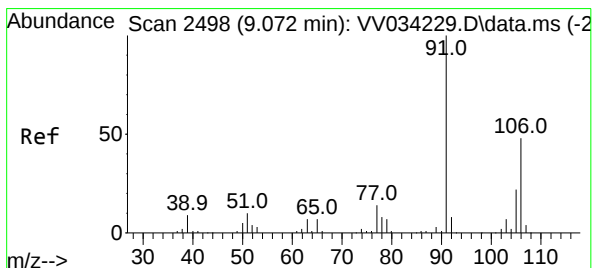
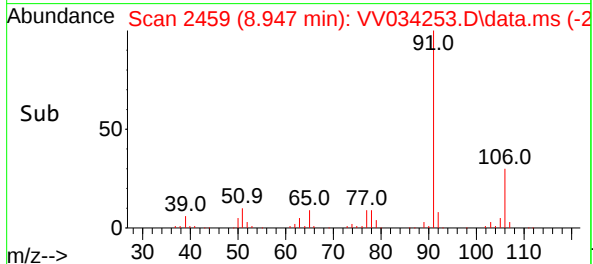
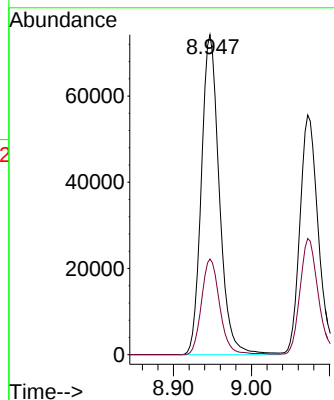
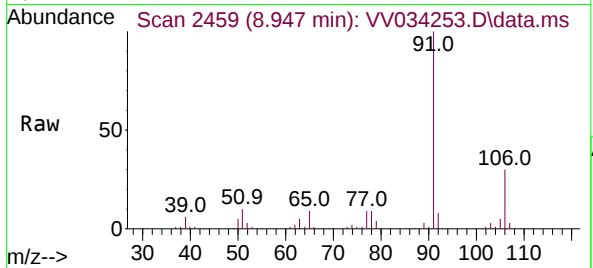




#52
Ethylbenzene
Concen: 5.095 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

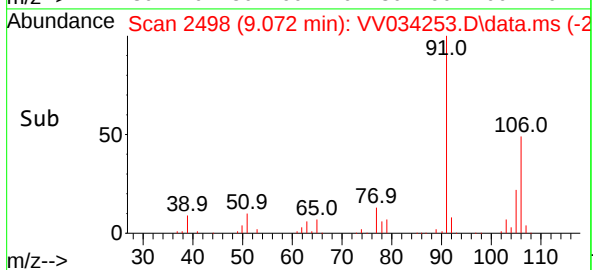
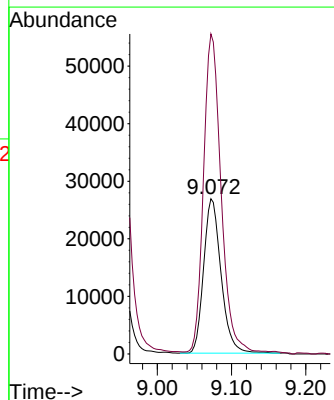
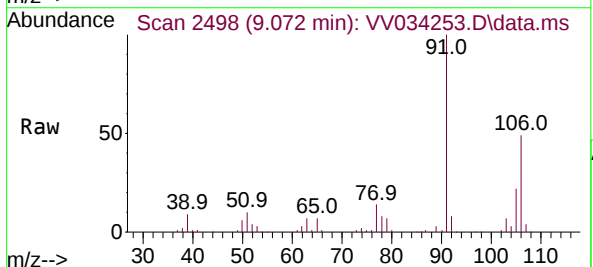
Instrument :
MSVOA_V
ClientSampleId :

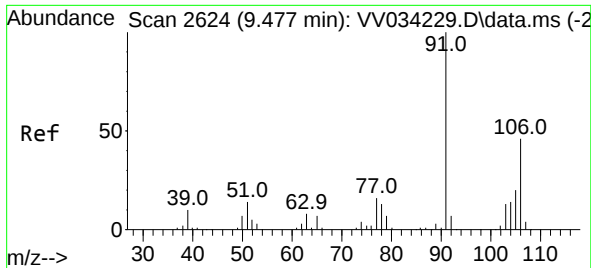
Tgt Ion: 91 Resp: 118883
Ion Ratio Lower Upper
91 100
106 29.9 21.4 39.8



#53
m,p-Xylene
Concen: 4.952 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion: 106 Resp: 43667
Ion Ratio Lower Upper
106 100
91 206.1 147.5 273.9

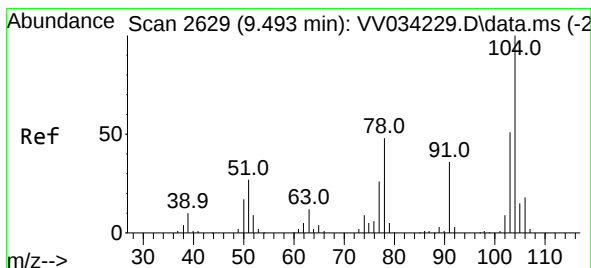
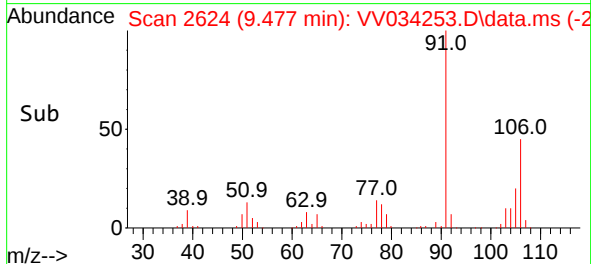
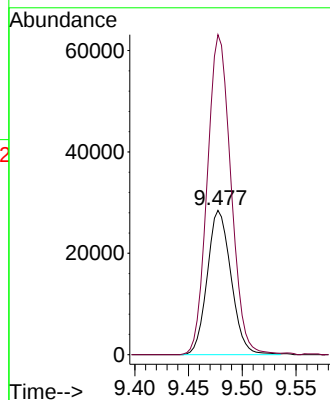
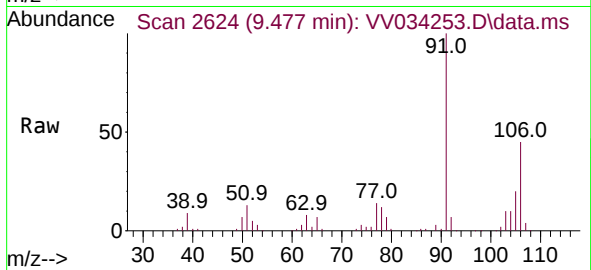




#54
o-Xylene
Concen: 5.151 ug/L
RT: 9.477 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

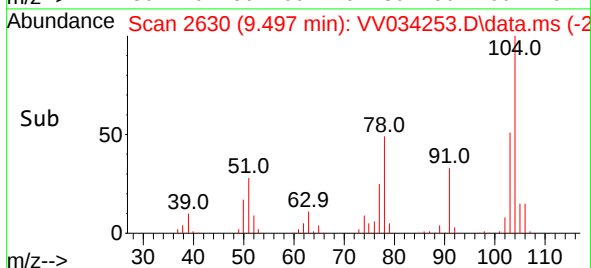
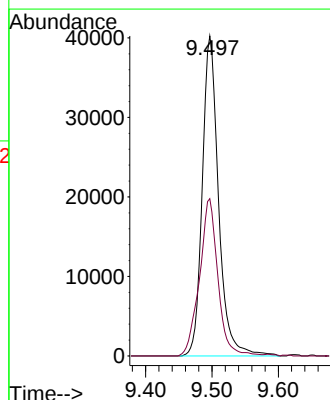
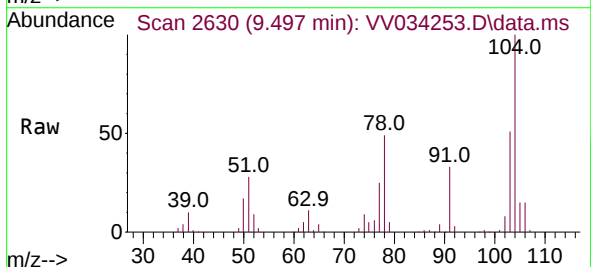
Instrument :
MSVOA_V
ClientSampleId :

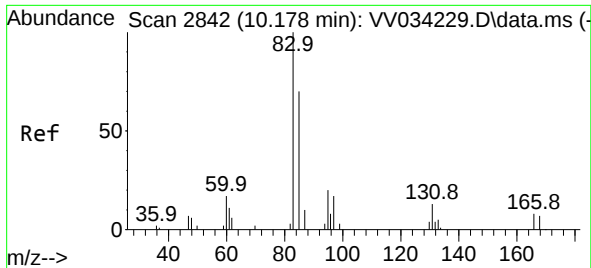
Tgt Ion:106 Resp: 43794
Ion Ratio Lower Upper
106 100
91 221.7 156.2 290.0



#55
Styrene
Concen: 5.055 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion:104 Resp: 68825
Ion Ratio Lower Upper
104 100
78 49.1 32.9 61.1

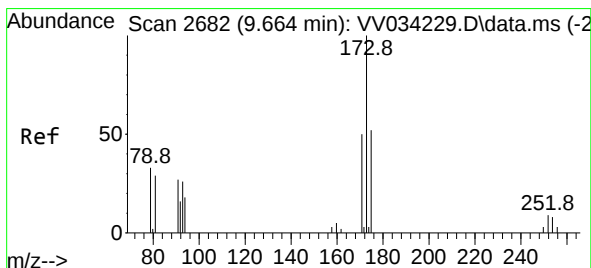
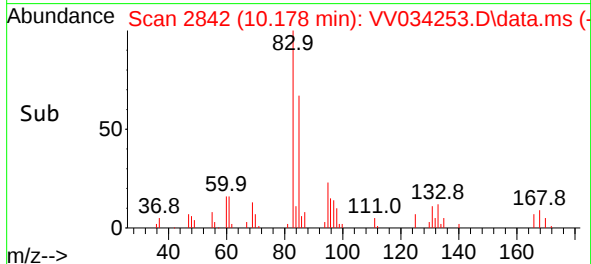
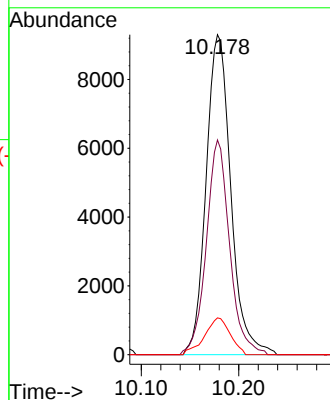
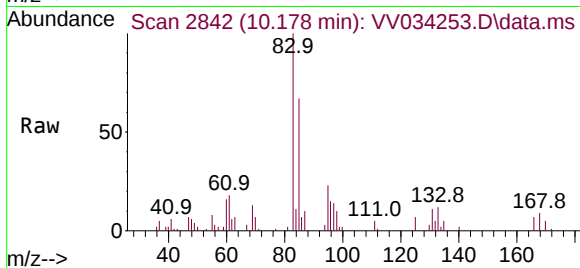




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.470 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. -0.000 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

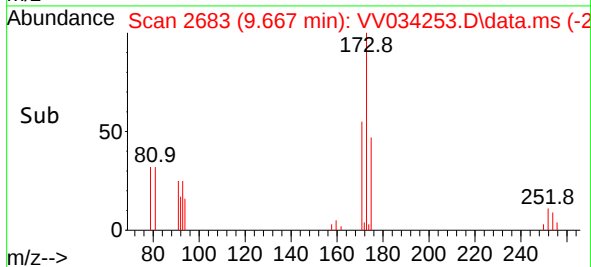
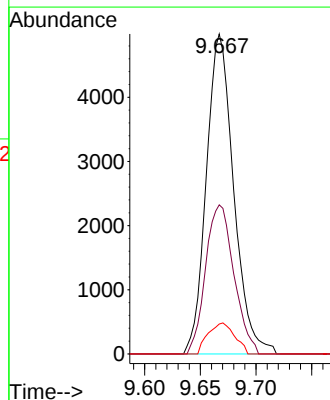
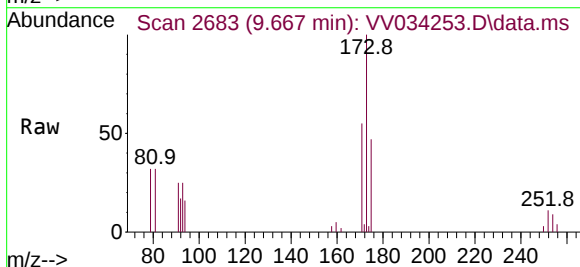
Instrument :
 MSVOA_V
 ClientSampleId :

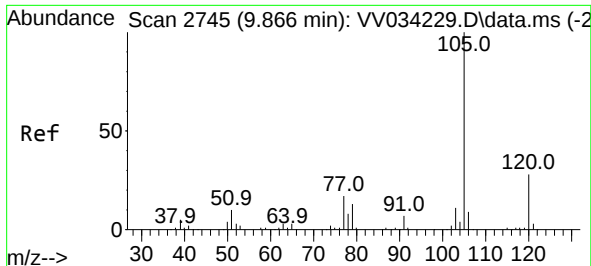
Tgt Ion:	83	Resp:	16377
Ion	Ratio	Lower	Upper
83	100		
85	67.1	46.5	86.3
131	11.5	8.4	12.6



#59
 Bromoform
 Concen: 4.614 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.003 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

Tgt Ion:	173	Resp:	8514
Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.6	57.8
254	9.4	7.2	10.8

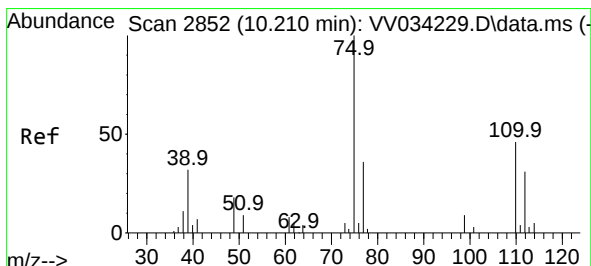
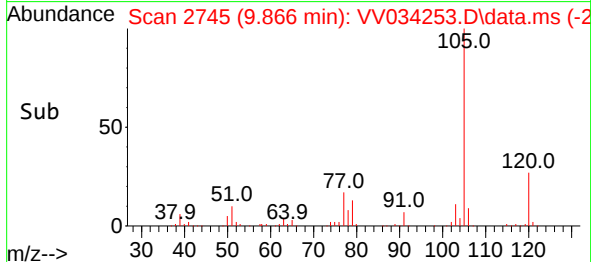
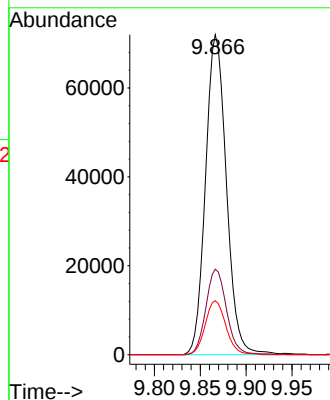
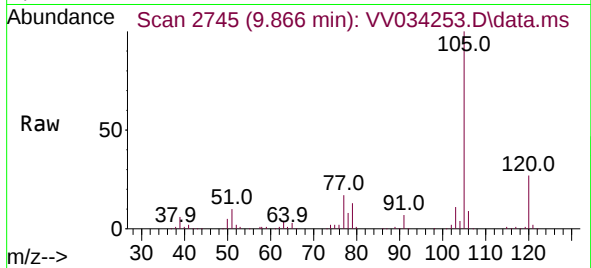




#60
Isopropylbenzene
Concen: 4.594 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

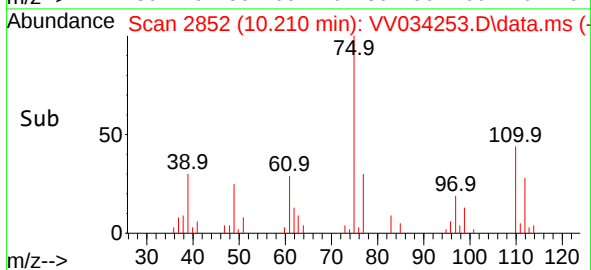
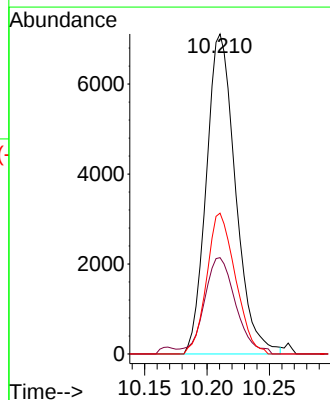
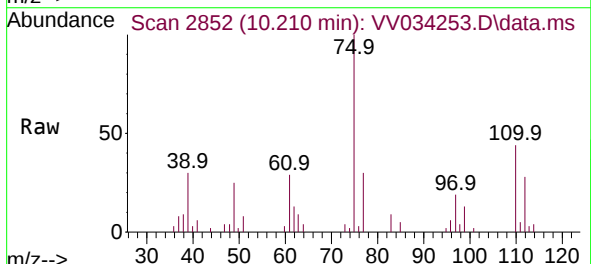
Instrument :
MSVOA_V
ClientSampleId :

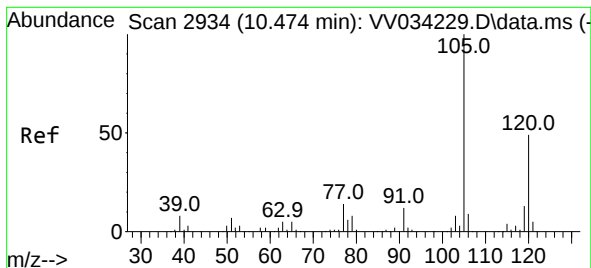
Tgt Ion:105 Resp: 113849
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 16.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.039 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

Tgt Ion: 75 Resp: 11603
Ion Ratio Lower Upper
75 100
77 32.4 26.9 40.3
110 43.3 33.3 49.9





#62

1,3,5-Trimethylbenzene

Concen: 4.829 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

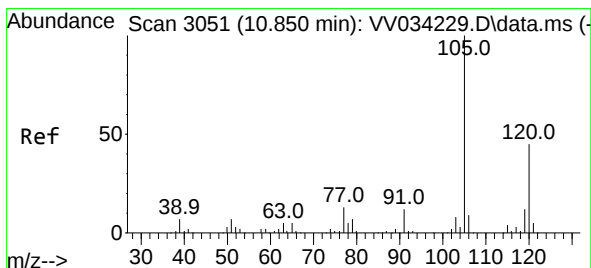
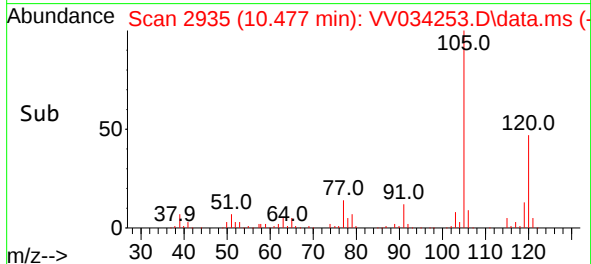
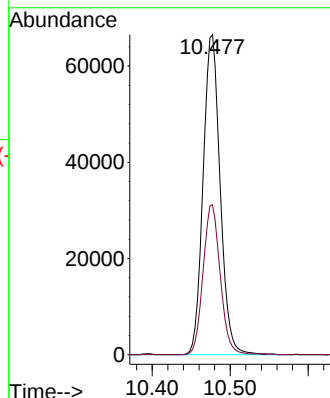
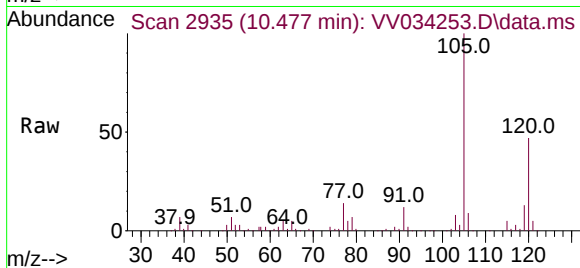
ClientSampleId :

Tgt Ion:105 Resp: 101192

Ion Ratio Lower Upper

105 100

120 47.1 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 4.976 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034253.D

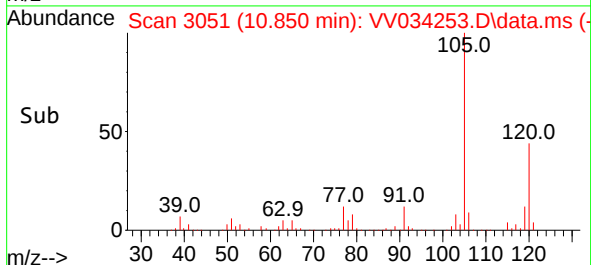
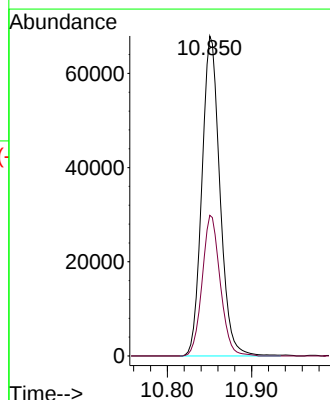
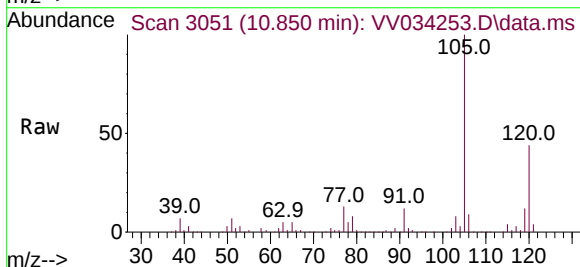
Acq: 19 Feb 2024 19:10

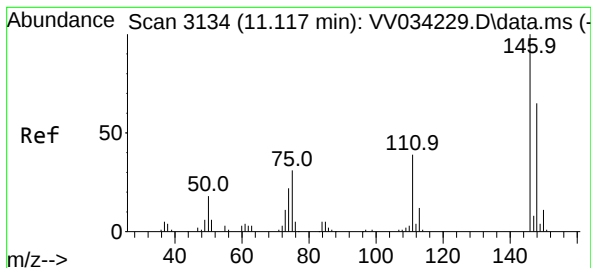
Tgt Ion:105 Resp: 101316

Ion Ratio Lower Upper

105 100

120 44.0 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 4.935 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :

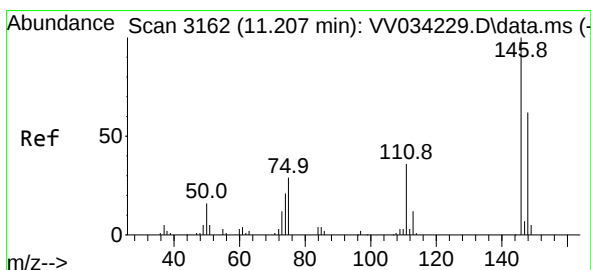
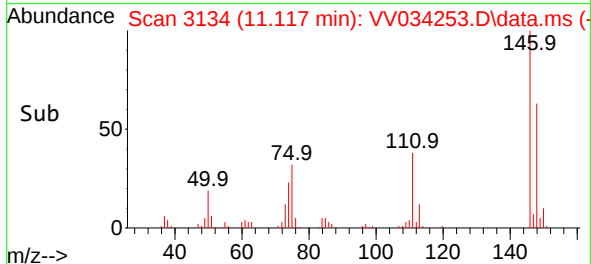
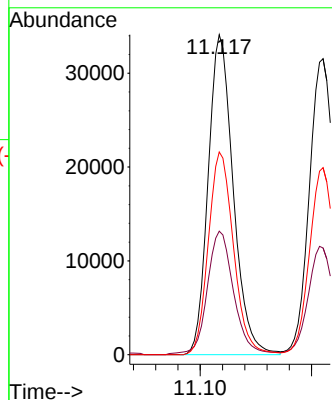
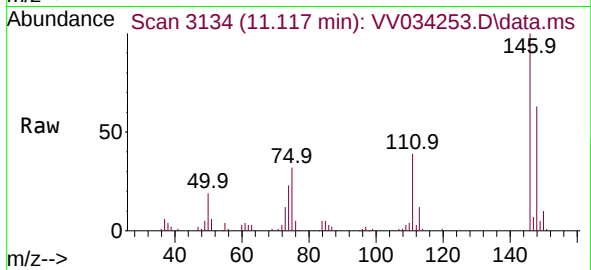
Tgt Ion:146 Resp: 53331

Ion Ratio Lower Upper

146 100

111 38.6 28.5 52.9

148 63.4 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 4.813 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

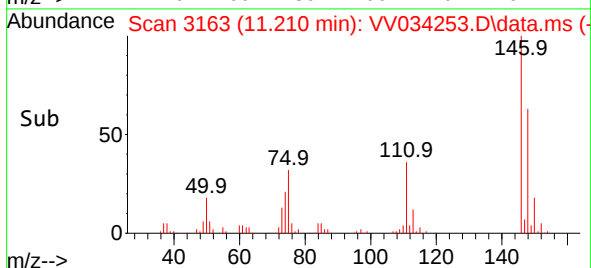
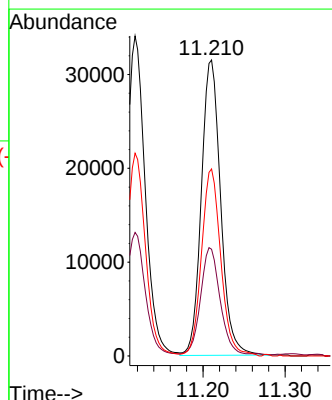
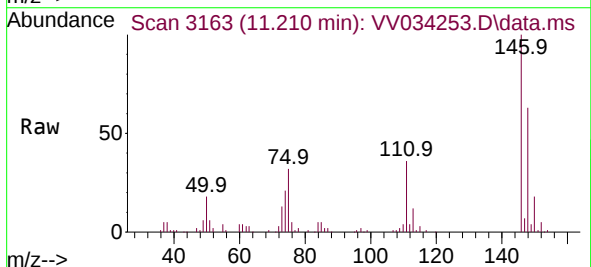
Tgt Ion:146 Resp: 51505

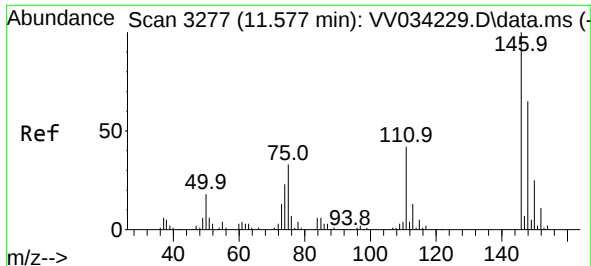
Ion Ratio Lower Upper

146 100

111 36.0 27.6 51.4

148 63.2 44.8 83.2

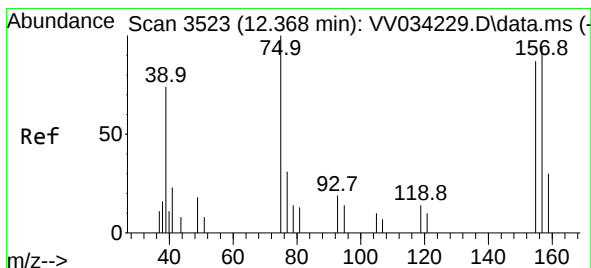
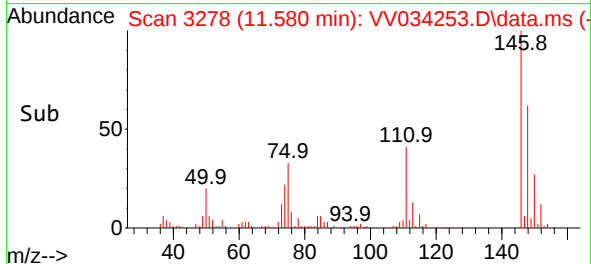
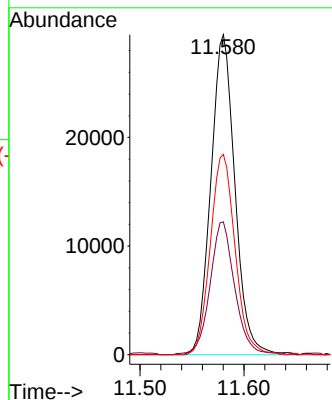
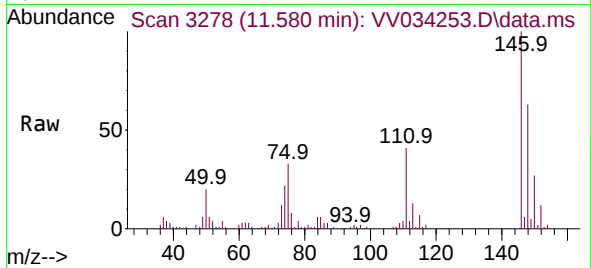




#67
1,2-Dichlorobenzene
Concen: 5.096 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

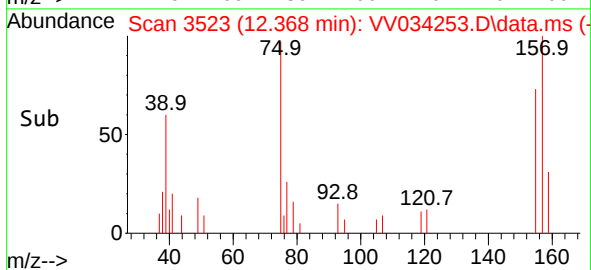
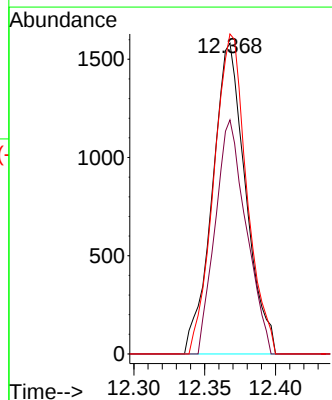
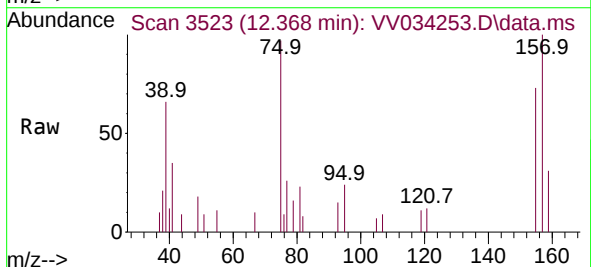
Instrument :
MSVOA_V
ClientSampleId :

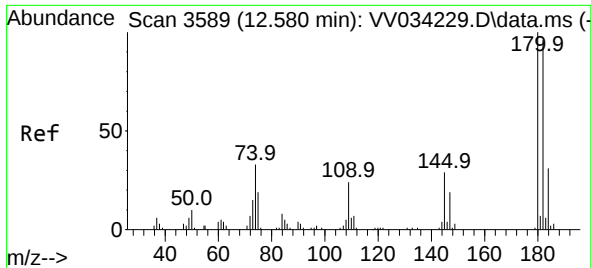
Tgt Ion:146 Resp: 47294
Ion Ratio Lower Upper
146 100
111 41.5 31.2 46.8
148 62.6 49.8 74.8



#68
1,2-Dibromo-3-chloropropane
Concen: 5.356 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. -0.000 min
Lab File: VV034253.D
Acq: 19 Feb 2024 19:10

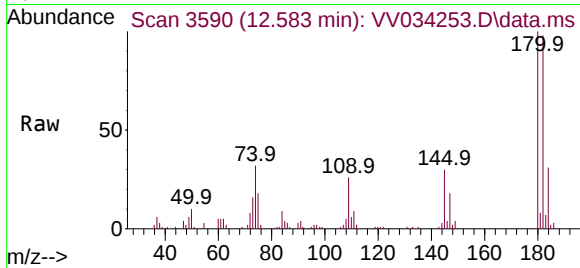
Tgt Ion: 75 Resp: 2585
Ion Ratio Lower Upper
75 100
155 75.3 68.9 103.3
157 103.0 84.6 127.0



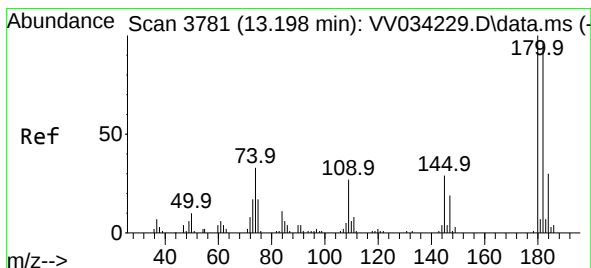
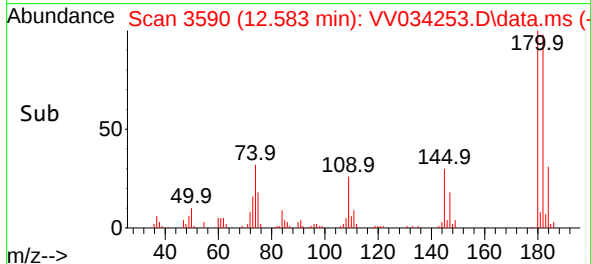
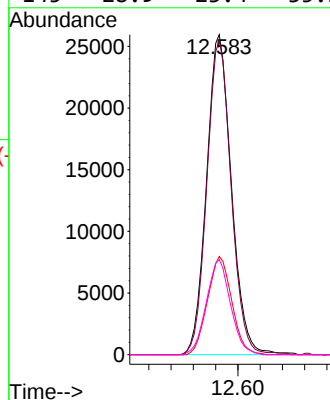


#69
 1,3,5-Trichlorobenzene
 Concen: 4.792 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.003 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

Instrument :
 MSVOA_V
 ClientSampleId :

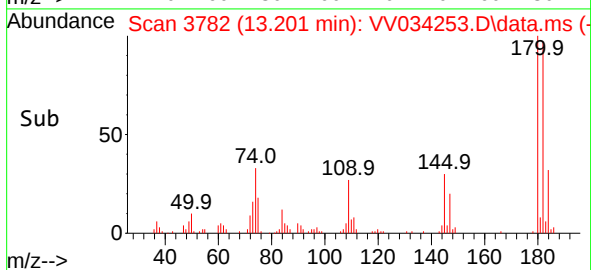
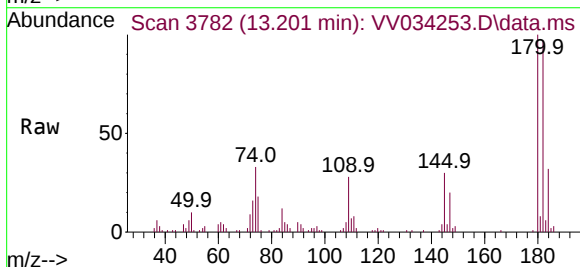
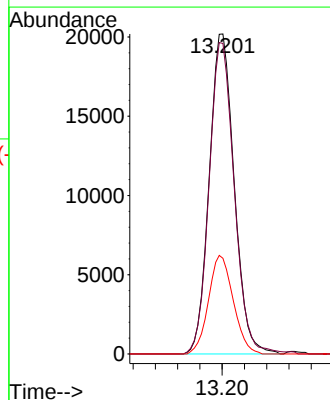


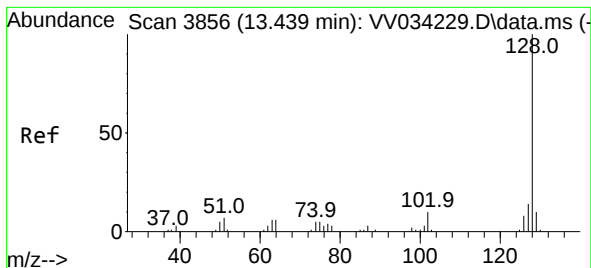
Tgt Ion:180 Resp: 40078
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.0 115.4
 184 29.9 23.8 35.6
 145 28.9 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.818 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.003 min
 Lab File: VV034253.D
 Acq: 19 Feb 2024 19:10

Tgt Ion:180 Resp: 31455
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.8 115.2
 145 30.5 24.8 37.2





#71

Naphthalene

Concen: 4.902 ug/L

RT: 13.442 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA_V

ClientSampleId :

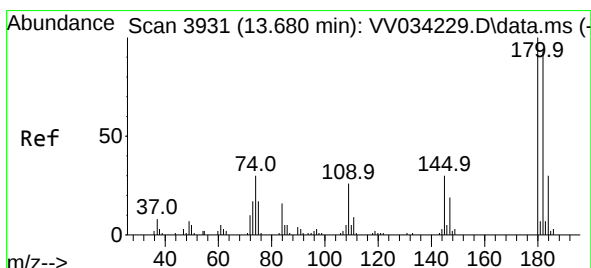
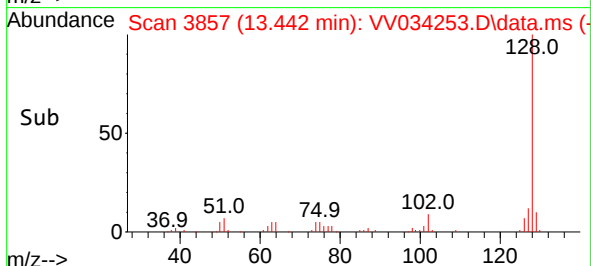
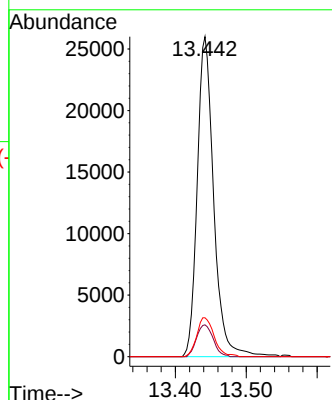
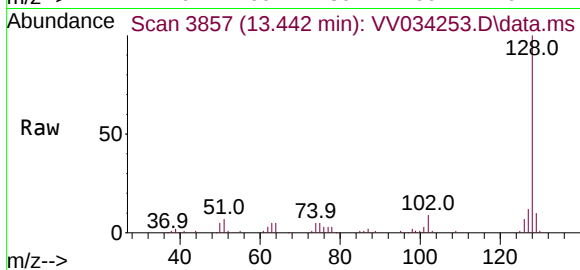
Tgt Ion:128 Resp: 41938

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

127 12.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.184 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Tgt Ion:180 Resp: 27119

Ion Ratio Lower Upper

180 100

182 97.4 75.0 112.6

145 30.2 25.2 37.8

