

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022224\
 Data File : VW034359.D
 Acq On : 22 Feb 2024 20:09
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 23 01:21:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 23 01:14:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	76015	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	72167	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	36911	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	17806	3.025	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.400%
7) Chloroethane-d5	1.536	69	18476	3.583	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.600%
11) 1,1-Dichloroethene-d2	2.060	65	9689	3.413	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.200%
20) 2-Butanone-d5	3.818	46	59958	60.641	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.280%
24) Chloroform-d	4.252	84	52118	4.872	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	4.944	65	26162	5.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	4.963	84	88874	4.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	5.989	67	26796	4.427	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.243	98	81019	4.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	7.558	79	9508	4.160	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.030	63	44904	55.041	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.080%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	19808	5.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	31483	4.690	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	28945	4.155	ug/L	97
3) Chloromethane	1.217	50	35807	4.712	ug/L	97
5) Vinyl chloride	1.285	62	33209	4.574	ug/L	98
6) Bromomethane	1.490	94	13807	3.611	ug/L	99
8) Chloroethane	1.552	64	20659	4.171	ug/L	99
9) Trichlorofluoromethane	1.716	101	57600	5.505	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	29749	5.439	ug/L	98
12) 1,1-Dichloroethene	2.069	96	28849	5.433	ug/L	93
13) Acetone	2.143	43	44302	59.061	ug/L #	34
14) Carbon disulfide	2.243	76	81928	4.768	ug/L	98
15) Methyl Acetate	2.391	43	9260	5.216	ug/L	92
16) Methylene chloride	2.449	84	42124	8.267	ug/L	96
17) Methyl tert-butyl Ether	2.709	73	64577	5.919	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	28836	5.331	ug/L	98
19) 1,1-Dichloroethane	3.114	63	55041	5.538	ug/L	98
21) 2-Butanone	3.899	43	57827	58.338	ug/L #	53
22) cis-1,2-Dichloroethene	3.818	96	30968	5.046	ug/L	96
23) Bromochloromethane	4.153	128	13007	6.097	ug/L	88
25) Chloroform	4.278	83	56161	5.590	ug/L	97

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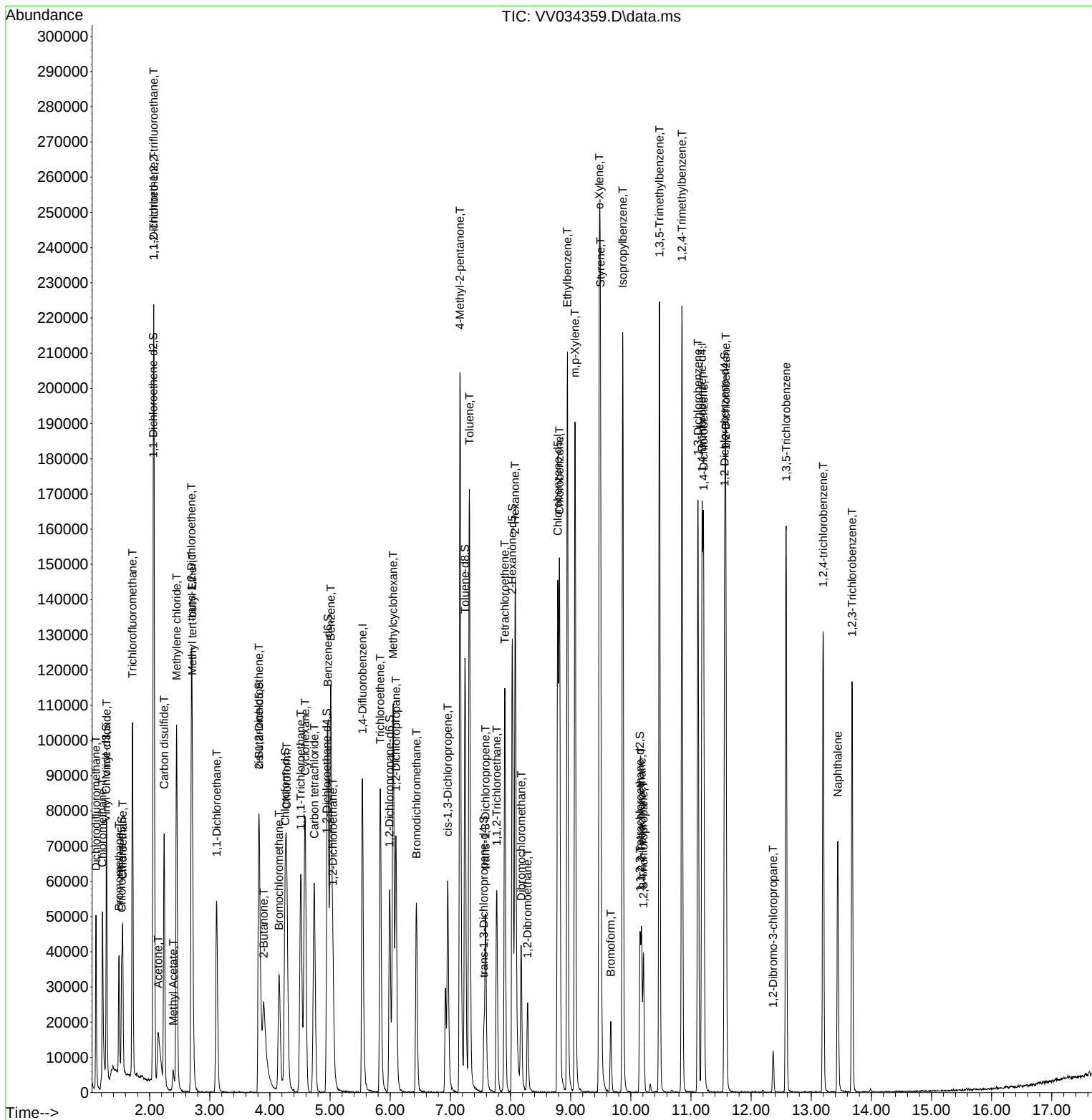
Instrument :
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 ClientSampleId :

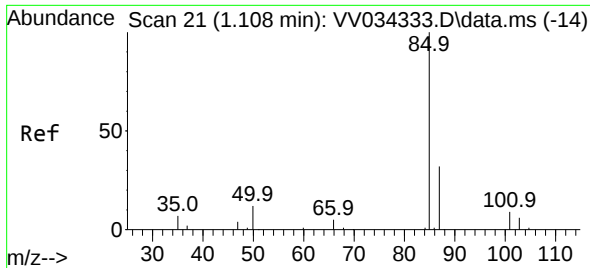
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	34965	6.078	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	52379	5.406	ug/L	98
30) Cyclohexane	4.587	56	43746	4.643	ug/L	97
31) Carbon tetrachloride	4.738	117	45253	5.338	ug/L	99
33) Benzene	5.011	78	114289	5.280	ug/L	100
34) Trichloroethene	5.834	95	29511	4.711	ug/L	96
35) Methylcyclohexane	6.050	83	45761	4.654	ug/L	97
37) 1,2-Dichloropropane	6.095	63	27371	5.220	ug/L	100
38) Bromodichloromethane	6.436	83	36271	5.270	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	36222	4.540	ug/L	96
40) 4-Methyl-2-pentanone	7.159	43	141424	56.327	ug/L	98
42) Toluene	7.317	91	124340	5.375	ug/L	97
44) trans-1,3-Dichloropropene	7.583	75	29823	4.869	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	17991	5.557	ug/L	94
47) Tetrachloroethene	7.905	164	24597	4.832	ug/L	95
48) 2-Hexanone	8.079	43	99925	56.461	ug/L	99
49) Dibromochloromethane	8.178	129	19610	5.097	ug/L	96
50) 1,2-Dibromoethane	8.284	107	16256	5.594	ug/L #	99
51) Chlorobenzene	8.815	112	78035	5.335	ug/L	98
52) Ethylbenzene	8.947	91	140934	5.293	ug/L	99
53) m,p-Xylene	9.072	106	52204	5.188	ug/L	92
54) o-Xylene	9.477	106	52190	5.379	ug/L	100
55) Styrene	9.497	104	85065	5.475	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	19653	5.751	ug/L	97
59) Bromoform	9.667	173	8549	4.204	ug/L	99
60) Isopropylbenzene	9.866	105	134650	4.930	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	14624	5.763	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	117988	5.110	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	118331	5.274	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	64095	5.382	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	60279	5.112	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	57221	5.595	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	3296	6.198	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	46605	5.057	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	37488	5.211	ug/L	97
71) Naphthalene	13.442	128	56228	5.965	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	33672	5.841	ug/L	99

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

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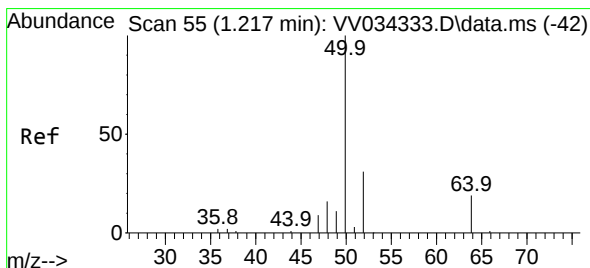
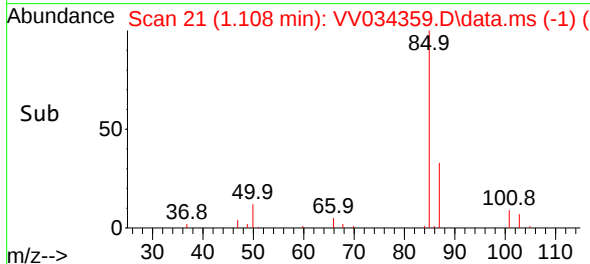
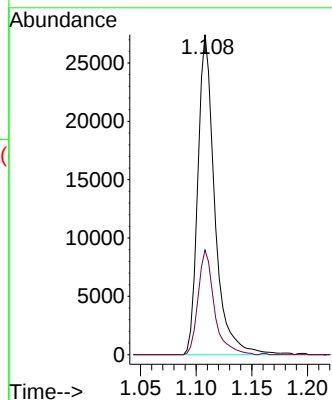
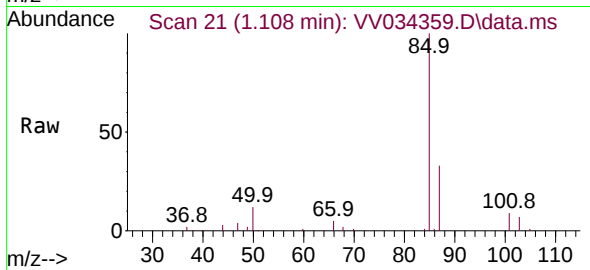




#2
Dichlorodifluoromethane
Concen: 4.155 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

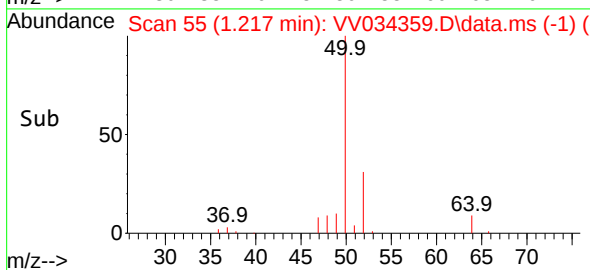
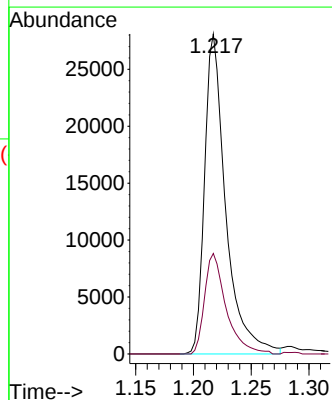
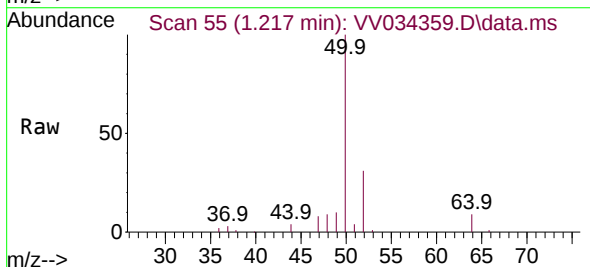
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MSVOA_V
ClientSampleId :

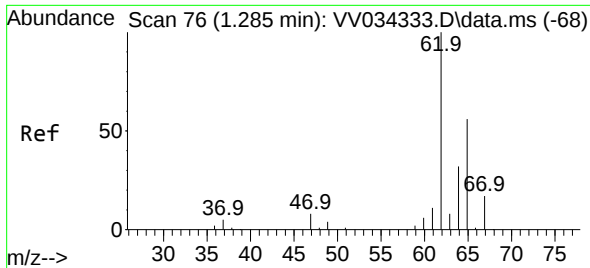
Tgt Ion: 85 Resp: 28945
Ion Ratio Lower Upper
85 100
87 31.4 26.2 39.4



#3
Chloromethane
Concen: 4.712 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

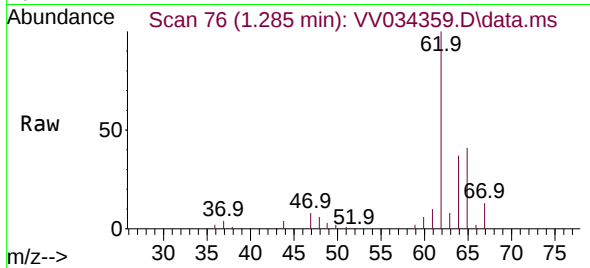
Tgt Ion: 50 Resp: 35807
Ion Ratio Lower Upper
50 100
52 31.4 23.4 43.4



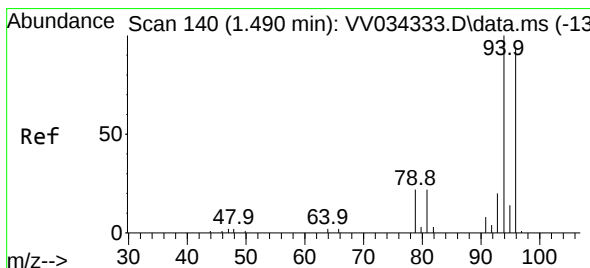
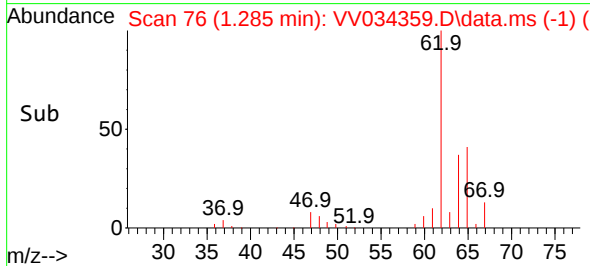
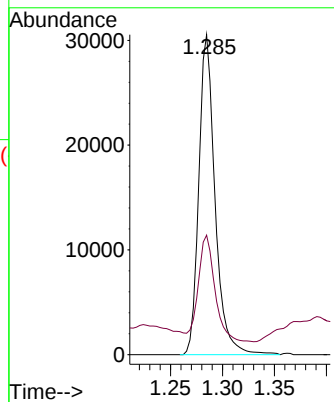


#5
 Vinyl chloride
 Concen: 4.574 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV034359.D
 Acq: 22 Feb 2024 20:09

Instrument :
 MSVOA_V
 ClientSampleId :

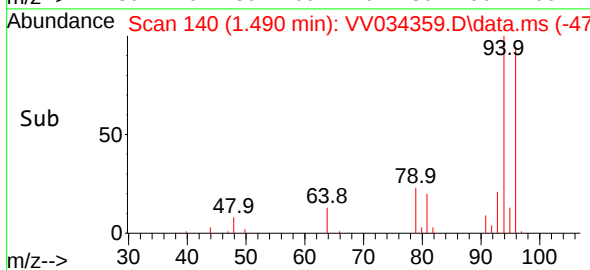
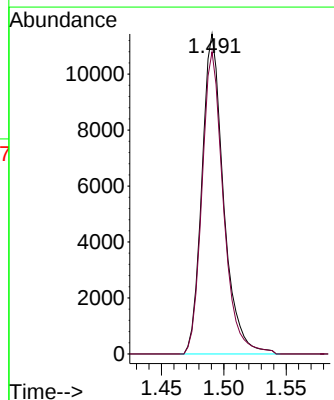
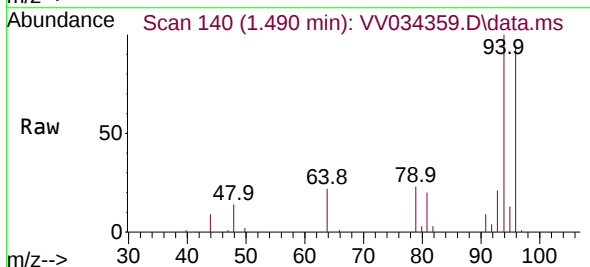


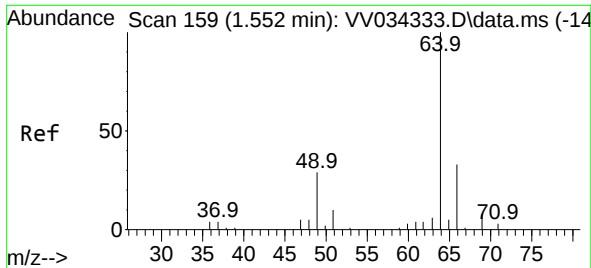
Tgt Ion: 62 Resp: 33209
 Ion Ratio Lower Upper
 62 100
 64 37.4 27.2 50.4



#6
 Bromomethane
 Concen: 3.611 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV034359.D
 Acq: 22 Feb 2024 20:09

Tgt Ion: 94 Resp: 13807
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.6 123.8

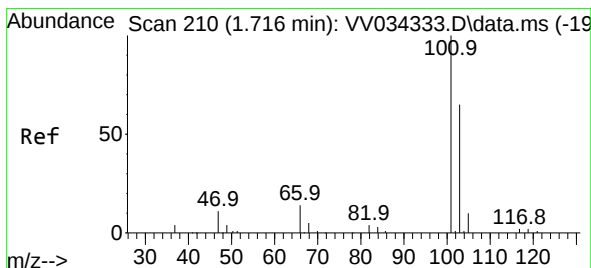
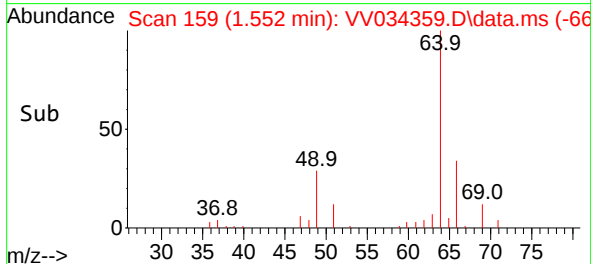
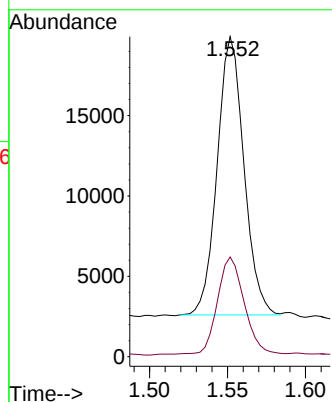
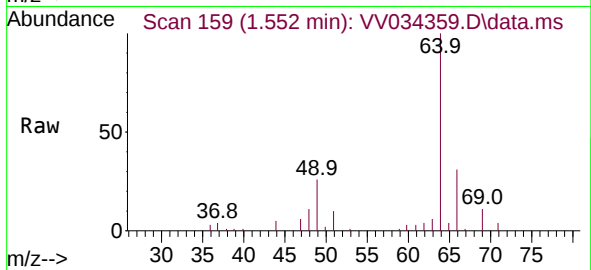




#8
Chloroethane
Concen: 4.171 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

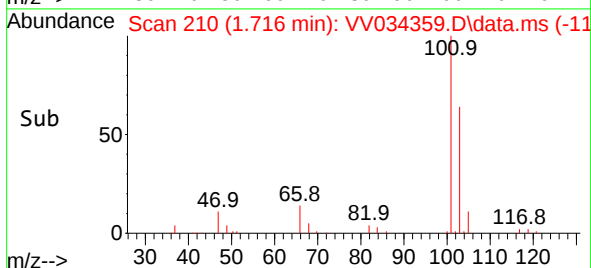
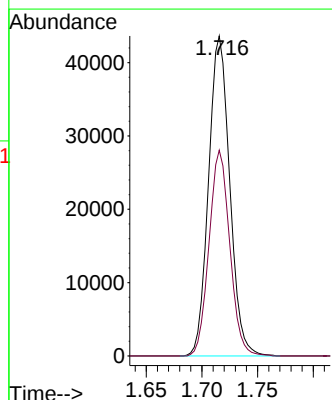
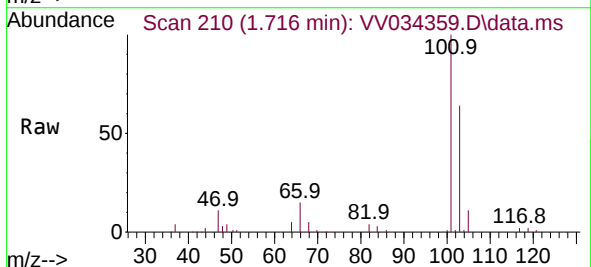
Instrument :
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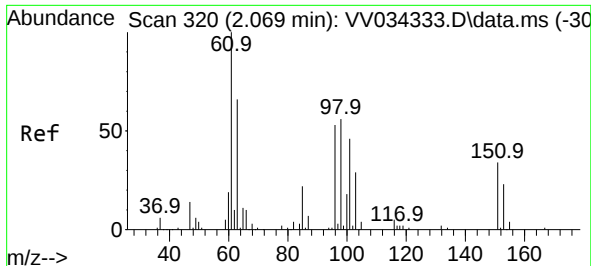
Tgt Ion: 64 Resp: 20659
Ion Ratio Lower Upper
64 100
66 31.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 5.505 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion:101 Resp: 57600
Ion Ratio Lower Upper
101 100
103 63.0 51.0 76.4

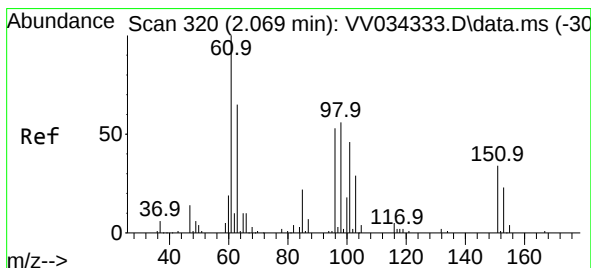
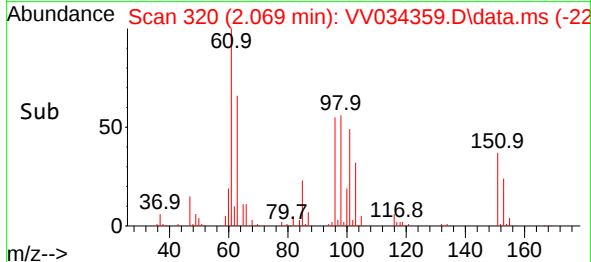
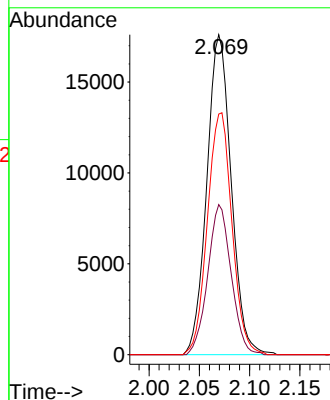
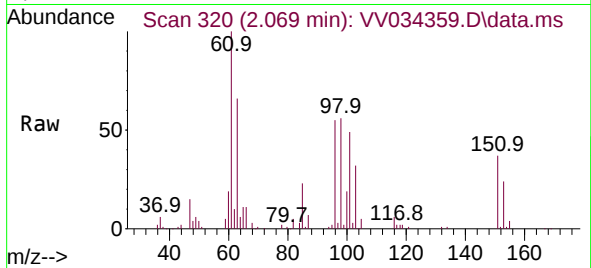




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.439 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV034359.D
 Acq: 22 Feb 2024 20:09

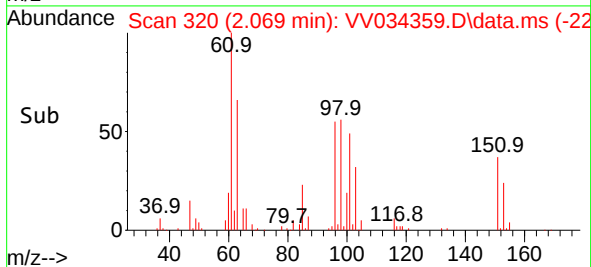
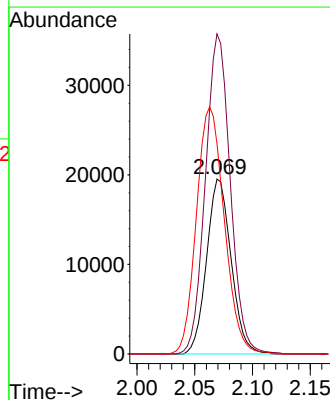
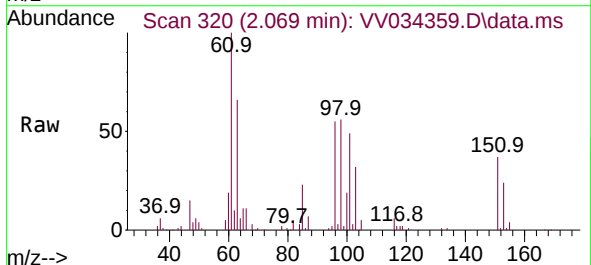
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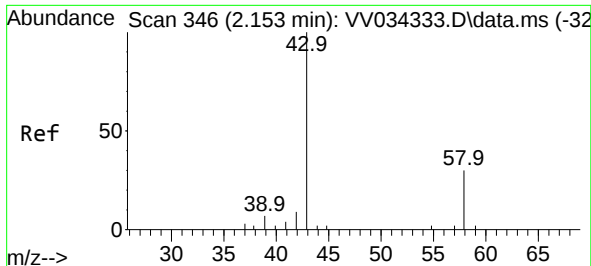
Tgt Ion:101 Resp: 29749
 Ion Ratio Lower Upper
 101 100
 85 44.9 37.1 55.7
 151 76.1 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 5.433 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV034359.D
 Acq: 22 Feb 2024 20:09

Tgt Ion: 96 Resp: 28849
 Ion Ratio Lower Upper
 96 100
 61 182.9 128.8 239.2
 63 120.1 97.9 181.9





#13

Acetone

Concen: 59.061 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

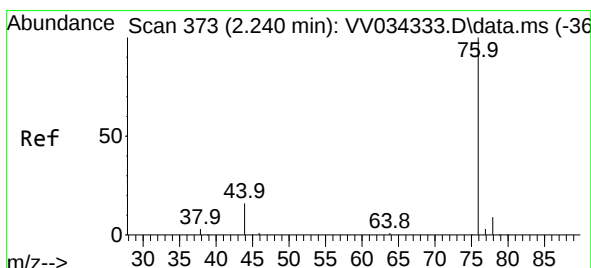
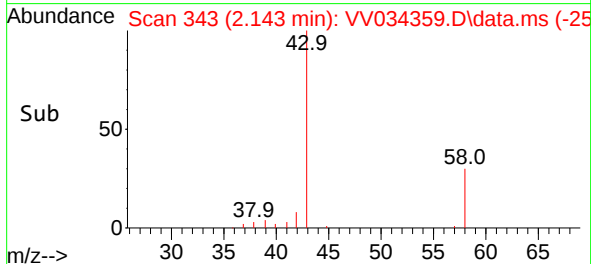
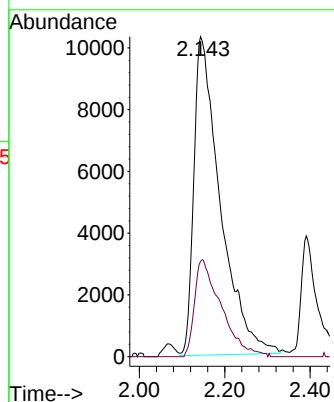
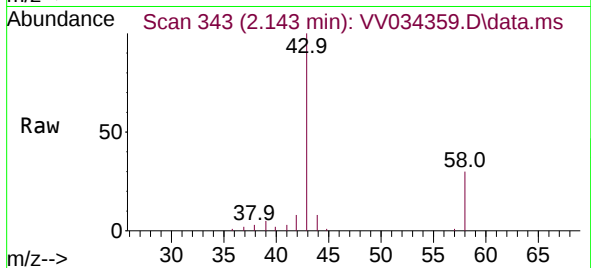
ClientSampleId :

Tgt Ion: 43 Resp: 44302

Ion Ratio Lower Upper

43 100

58 29.7 0.0 13.8#



#14

Carbon disulfide

Concen: 4.768 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV034359.D

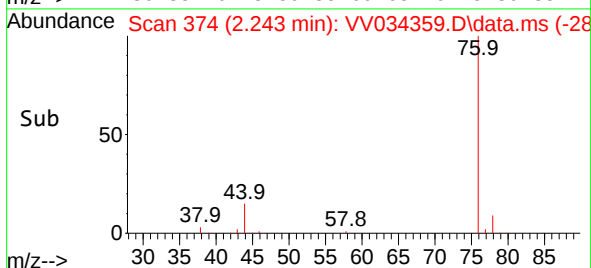
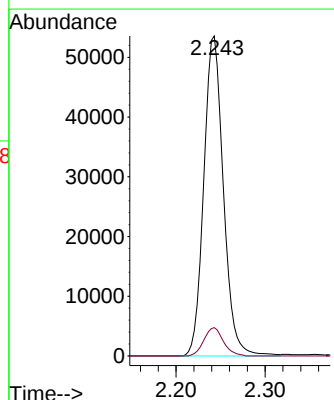
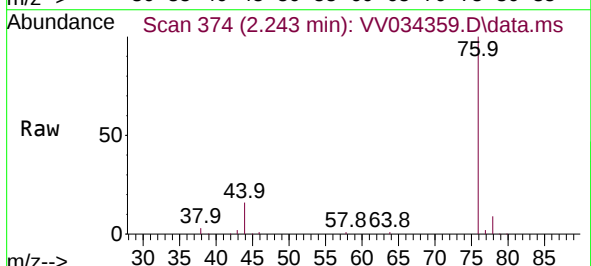
Acq: 22 Feb 2024 20:09

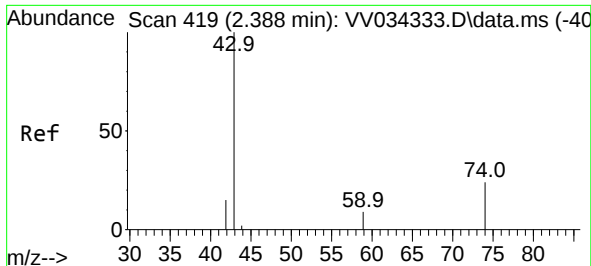
Tgt Ion: 76 Resp: 81928

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3





#15

Methyl Acetate

Concen: 5.216 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

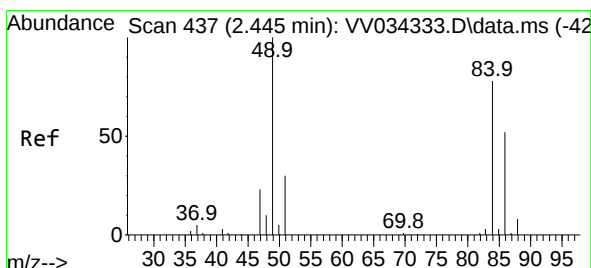
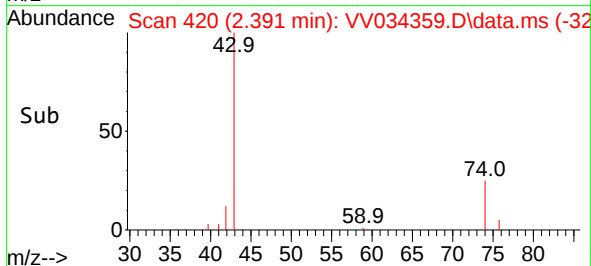
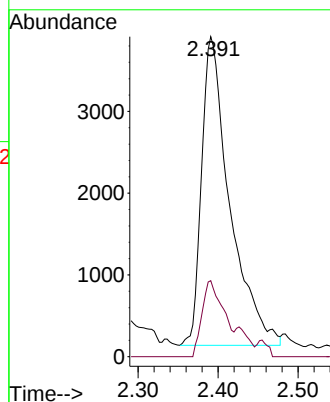
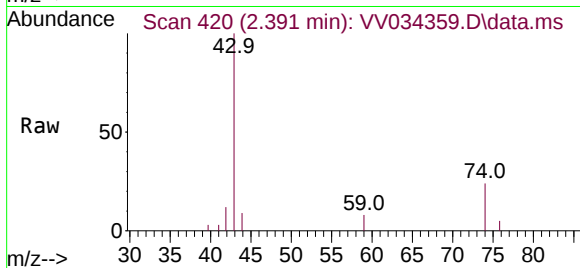
ClientSampleId :

Tgt Ion: 43 Resp: 9260

Ion Ratio Lower Upper

43 100

74 19.0 18.2 27.4



#16

Methylene chloride

Concen: 8.267 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

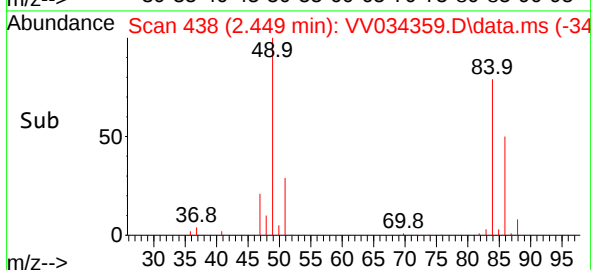
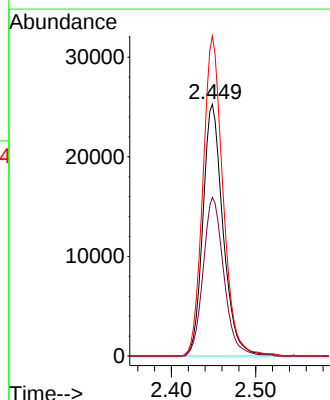
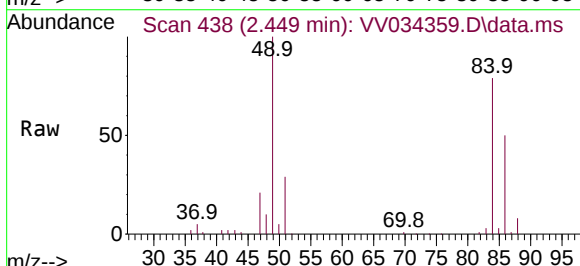
Tgt Ion: 84 Resp: 42124

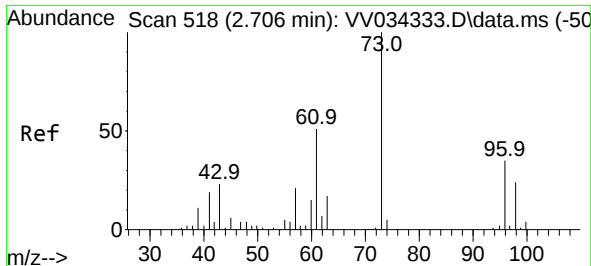
Ion Ratio Lower Upper

84 100

86 63.0 44.7 83.1

49 127.2 93.7 173.9

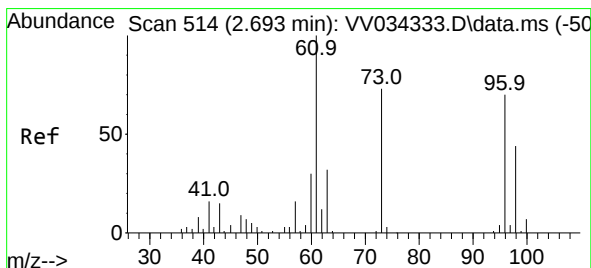
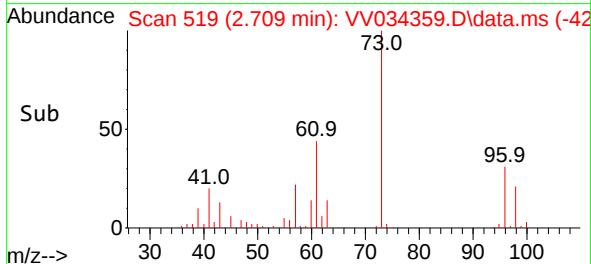
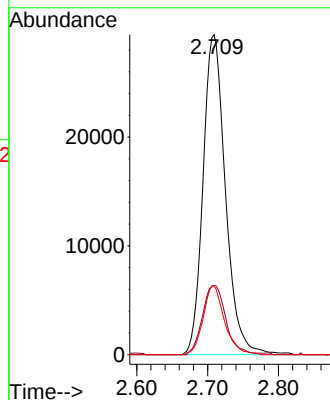
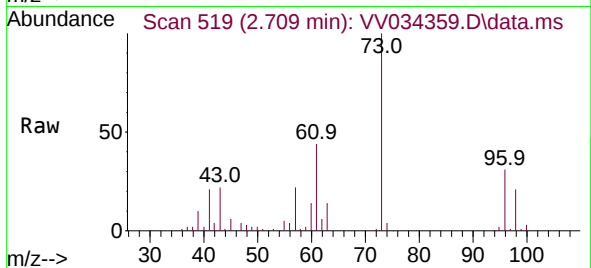




#17
Methyl tert-butyl Ether
Concen: 5.919 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

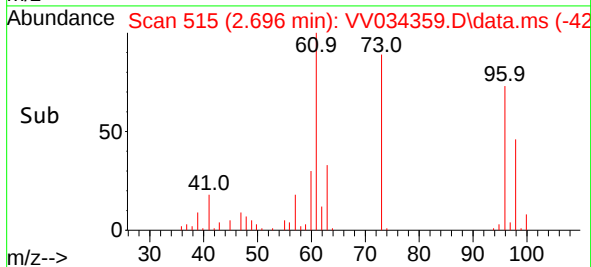
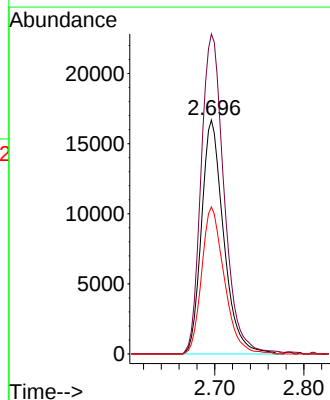
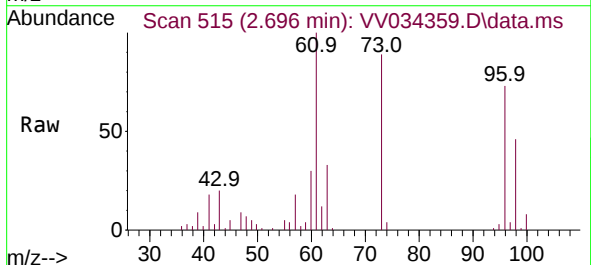
Instrument :
MSVOA_V
ClientSampleId :

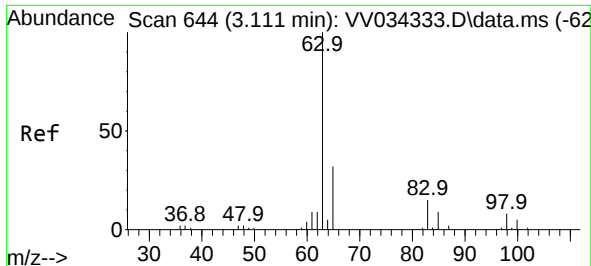
Tgt Ion: 73 Resp: 64577
Ion Ratio Lower Upper
73 100
43 22.6 17.7 26.5
57 20.5 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.331 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion: 96 Resp: 28836
Ion Ratio Lower Upper
96 100
61 136.8 97.6 181.4
98 62.9 44.4 82.5





#19

1,1-Dichloroethane

Concen: 5.538 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

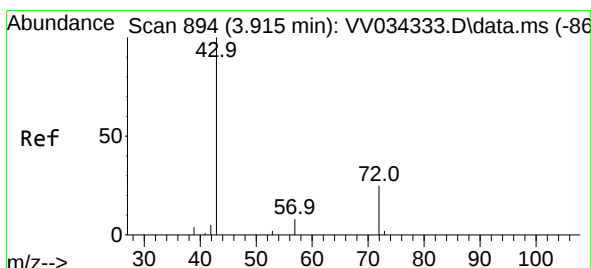
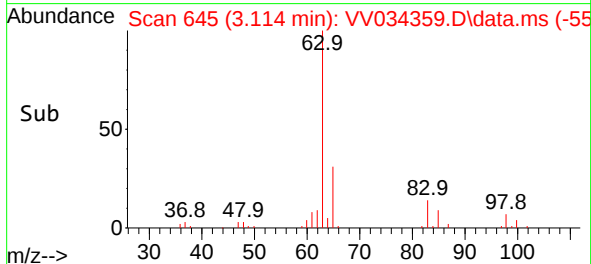
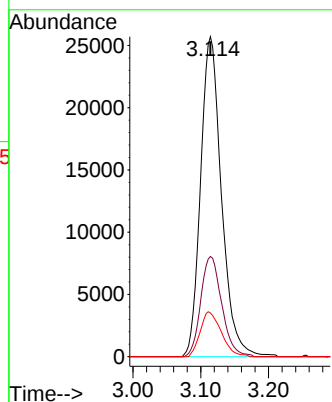
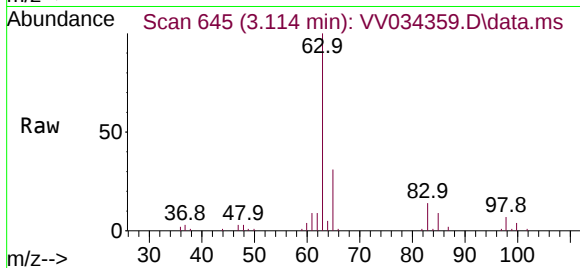
Tgt Ion: 63 Resp: 55041

Ion Ratio Lower Upper

63 100

65 31.3 20.8 38.6

83 13.6 9.4 17.4



#21

2-Butanone

Concen: 58.338 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.016 min

Lab File: VV034359.D

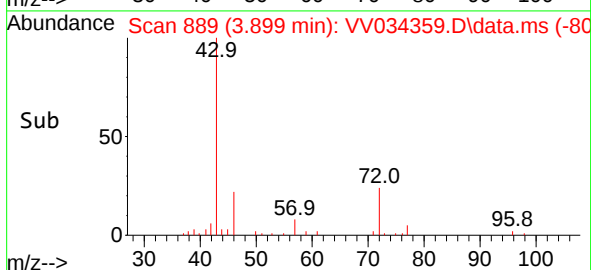
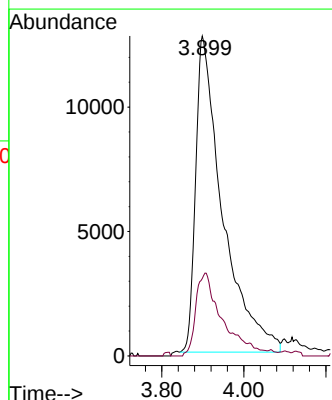
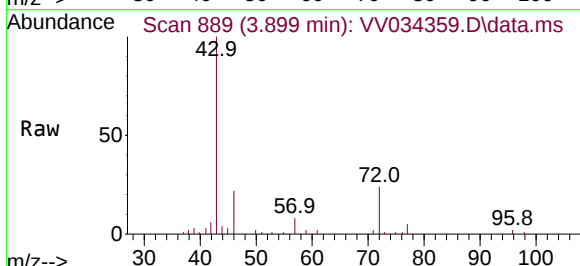
Acq: 22 Feb 2024 20:09

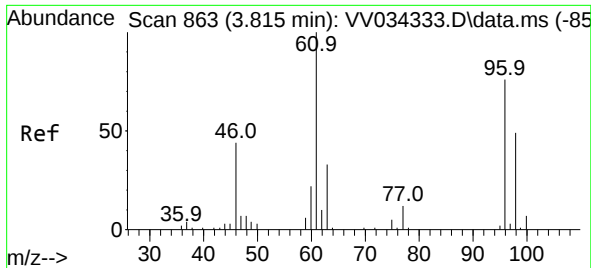
Tgt Ion: 43 Resp: 57827

Ion Ratio Lower Upper

43 100

72 24.5 4.0 11.9#





#22

cis-1,2-Dichloroethene

Concen: 5.046 ug/L

RT: 3.818 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

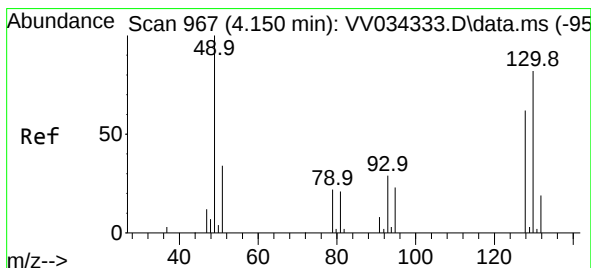
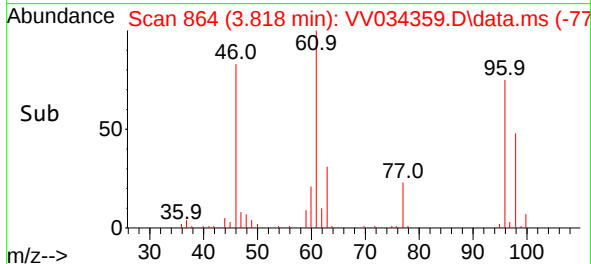
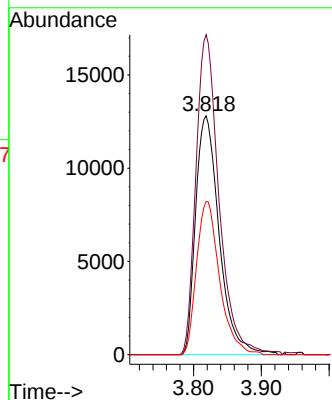
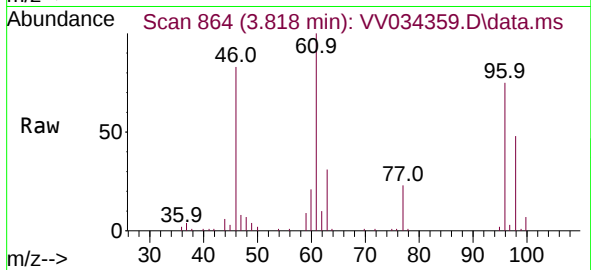
Tgt Ion: 96 Resp: 30968

Ion Ratio Lower Upper

96 100

61 134.0 90.3 167.7

98 64.2 43.2 80.2



#23

Bromochloromethane

Concen: 6.097 ug/L

RT: 4.153 min Scan# 968

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Tgt Ion: 128 Resp: 13007

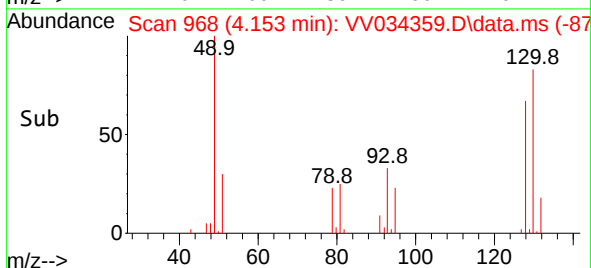
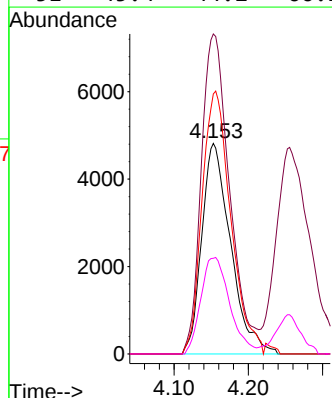
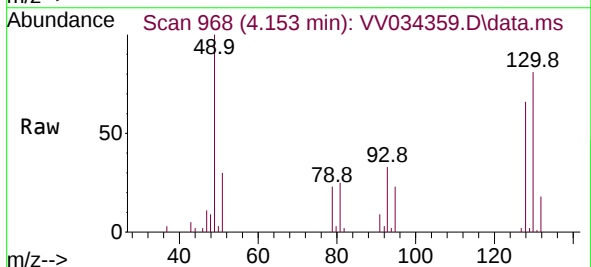
Ion Ratio Lower Upper

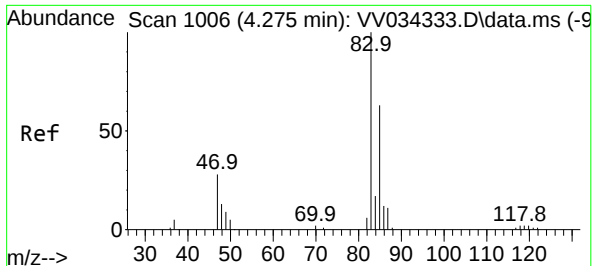
128 100

49 151.9 120.5 223.7

130 123.5 93.4 173.4

51 45.4 44.2 66.2





#25

Chloroform

Concen: 5.590 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

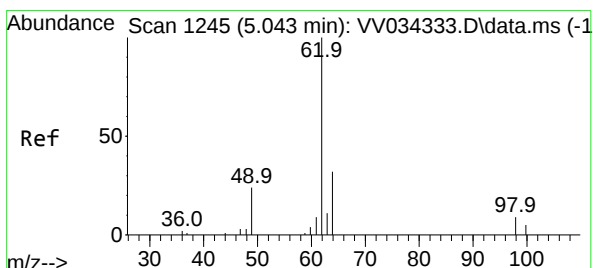
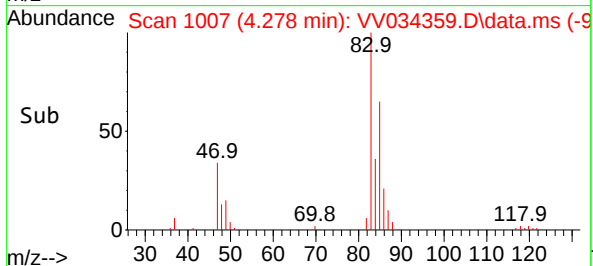
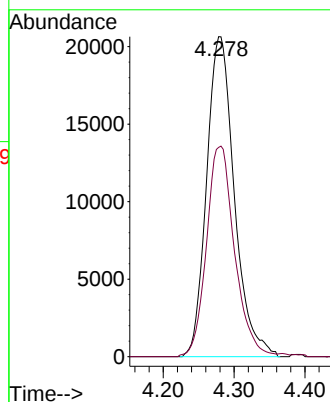
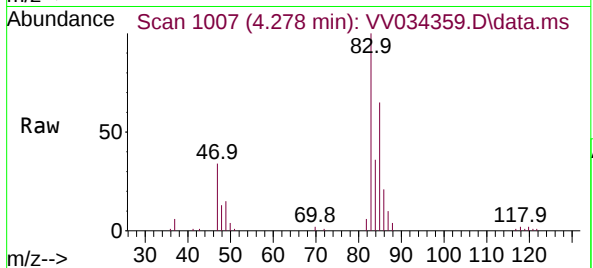
ClientSampleId :

Tgt Ion: 83 Resp: 56161

Ion Ratio Lower Upper

83 100

85 65.4 47.5 88.1



#27

1,2-Dichloroethane

Concen: 6.078 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV034359.D

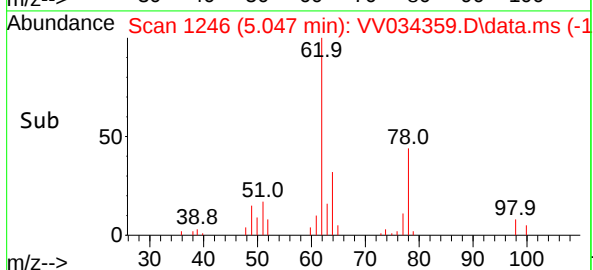
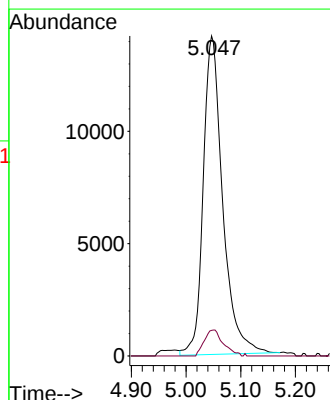
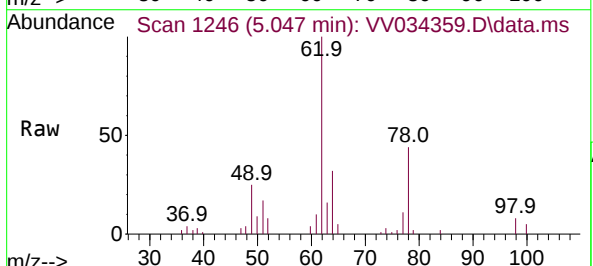
Acq: 22 Feb 2024 20:09

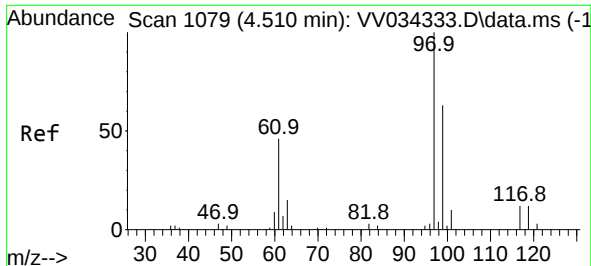
Tgt Ion: 62 Resp: 34965

Ion Ratio Lower Upper

62 100

98 8.0 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 5.406 ug/L

RT: 4.513 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

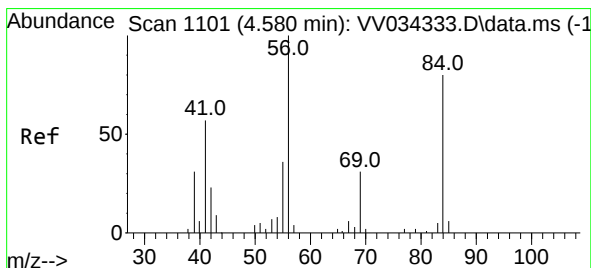
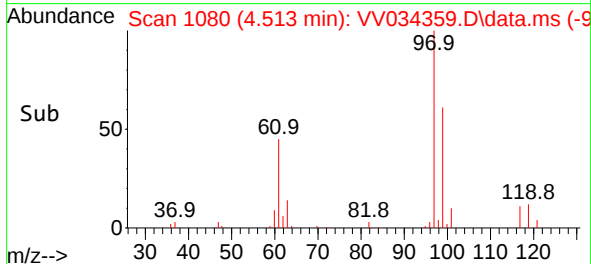
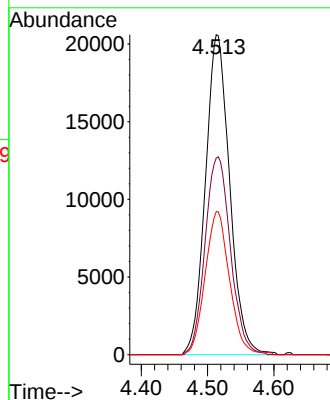
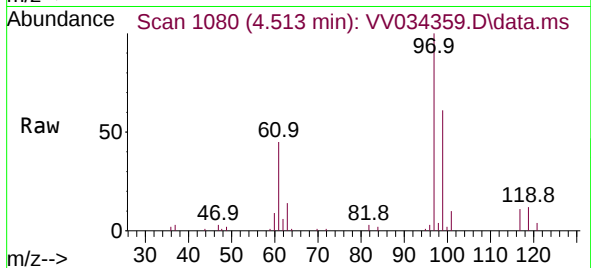
Tgt Ion: 97 Resp: 52379

Ion Ratio Lower Upper

97 100

99 64.8 50.6 75.8

61 44.6 36.8 55.2



#30

Cyclohexane

Concen: 4.643 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

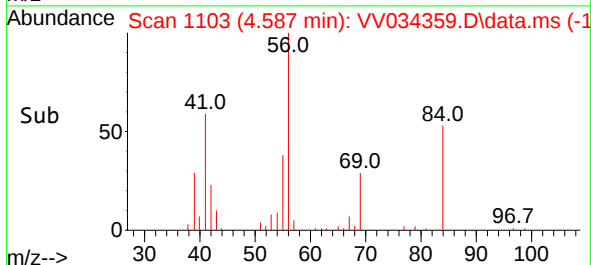
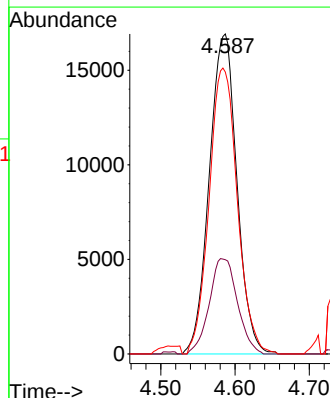
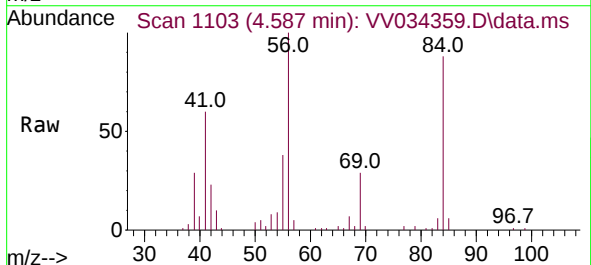
Tgt Ion: 56 Resp: 43746

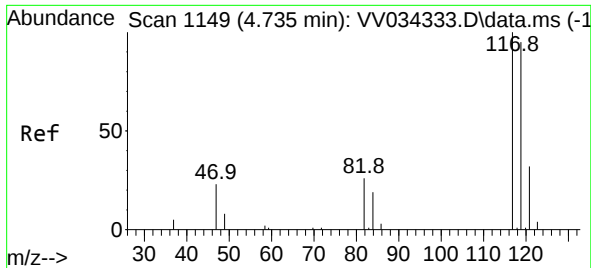
Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

84 91.3 70.0 105.0

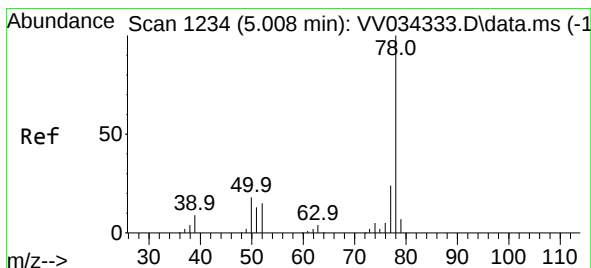
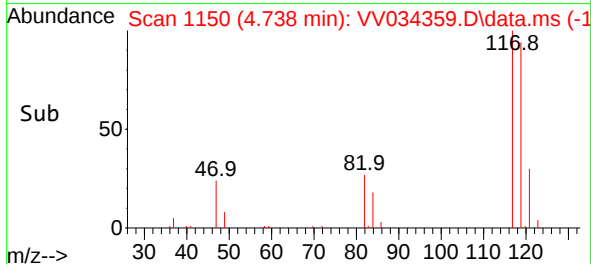
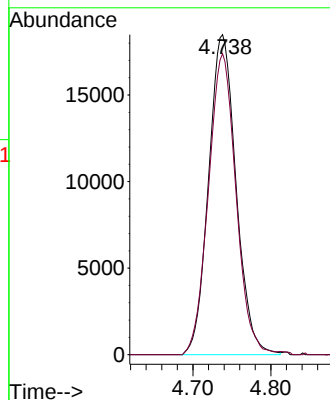
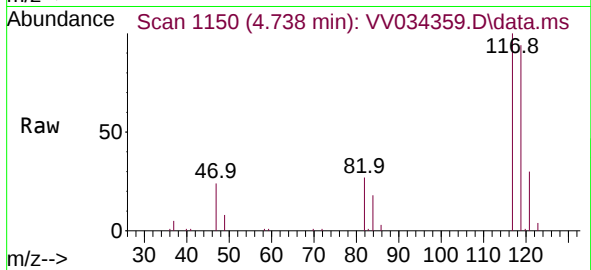




#31
Carbon tetrachloride
Concen: 5.338 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

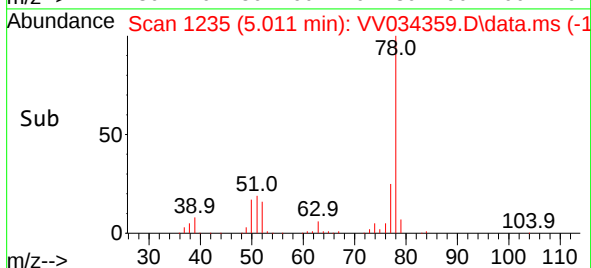
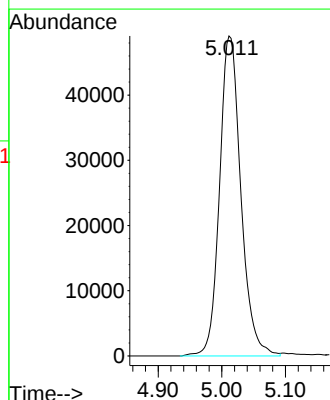
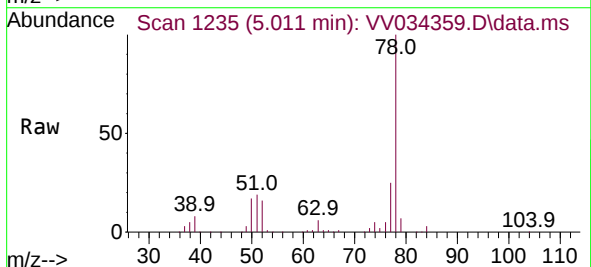
Instrument :
MSVOA_V
ClientSampleId :

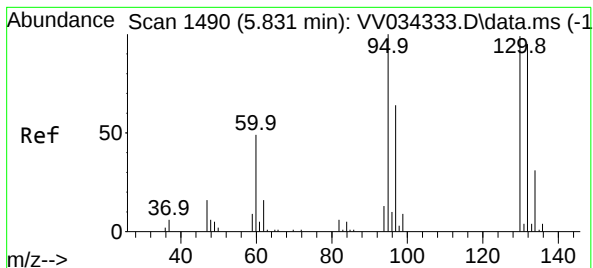
Tgt Ion:117 Resp: 45253
Ion Ratio Lower Upper
117 100
119 94.3 76.1 114.1



#33
Benzene
Concen: 5.280 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion: 78 Resp: 114289





#34

Trichloroethene

Concen: 4.711 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 29511

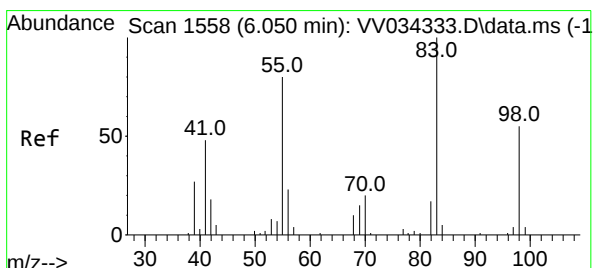
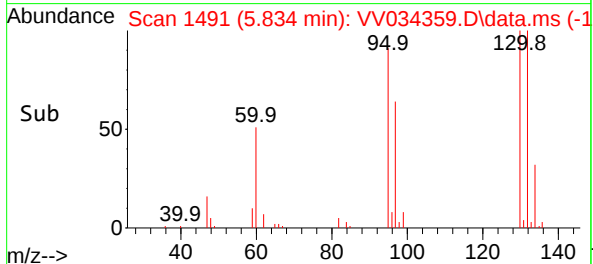
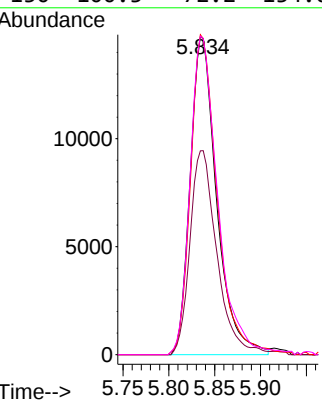
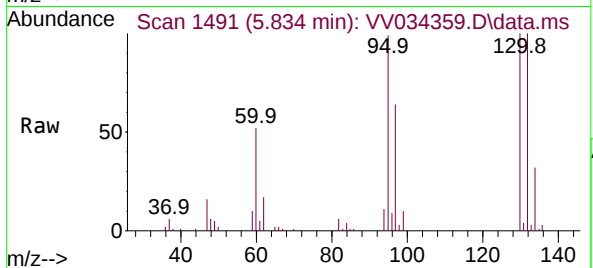
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.7

132 100.7 66.0 122.6

130 100.3 72.2 134.0



#35

Methylcyclohexane

Concen: 4.654 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

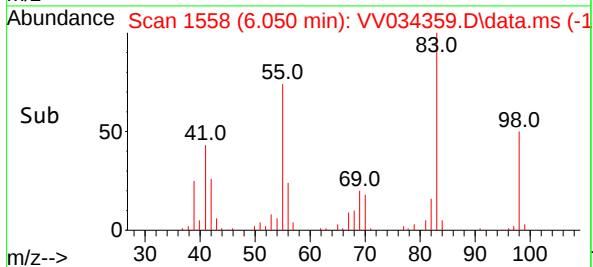
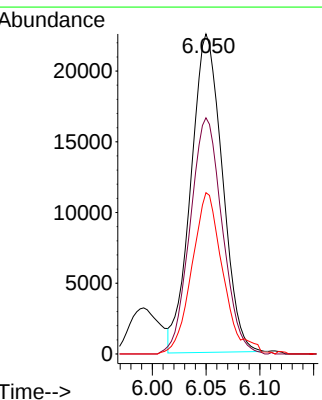
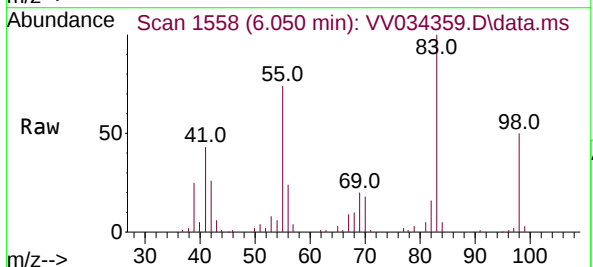
Tgt Ion: 83 Resp: 45761

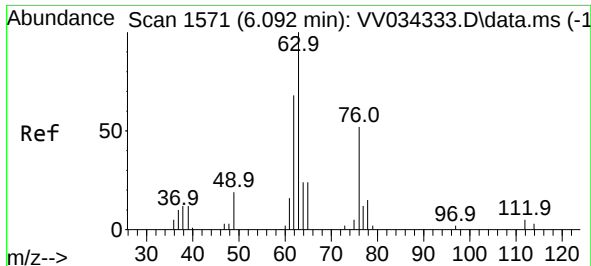
Ion Ratio Lower Upper

83 100

55 75.8 63.5 95.3

98 50.0 39.0 58.4





#37

1,2-Dichloropropane

Concen: 5.220 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

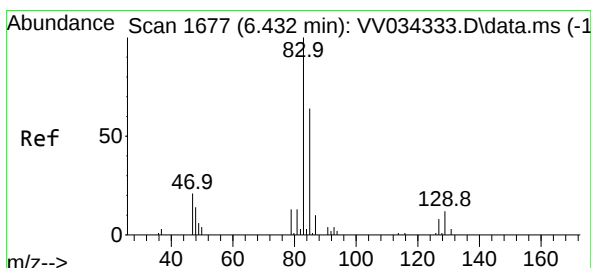
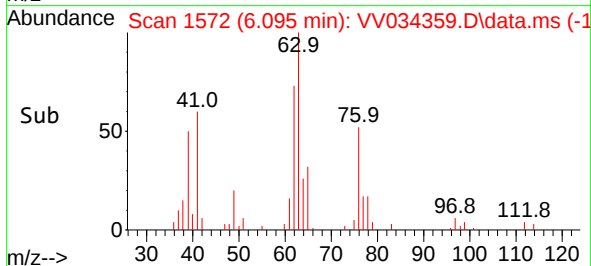
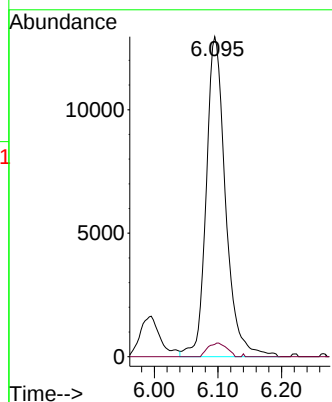
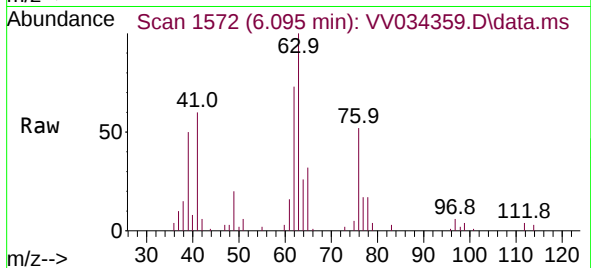
ClientSampleId :

Tgt Ion: 63 Resp: 27371

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



#38

Bromodichloromethane

Concen: 5.270 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

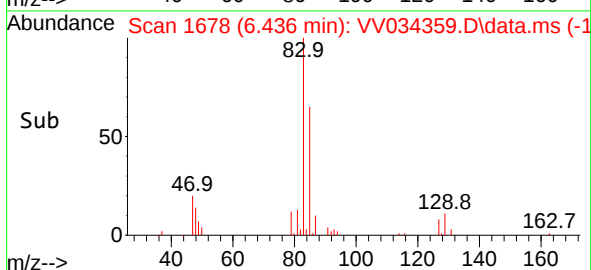
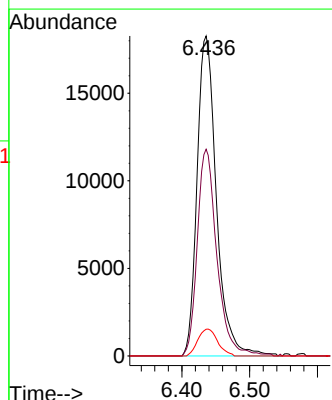
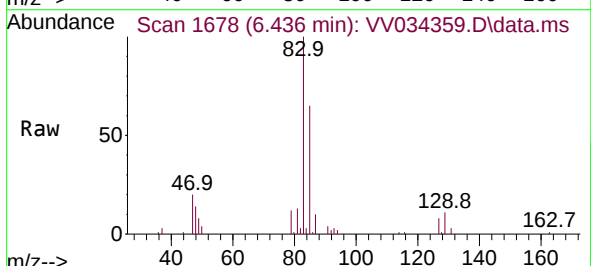
Tgt Ion: 83 Resp: 36271

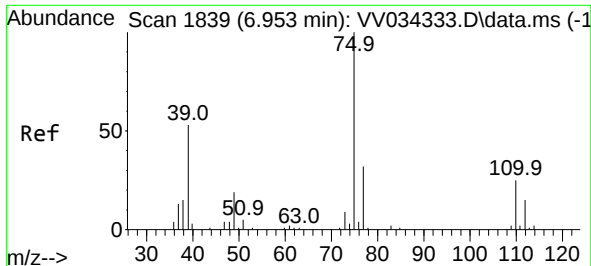
Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

127 8.4 6.5 9.7

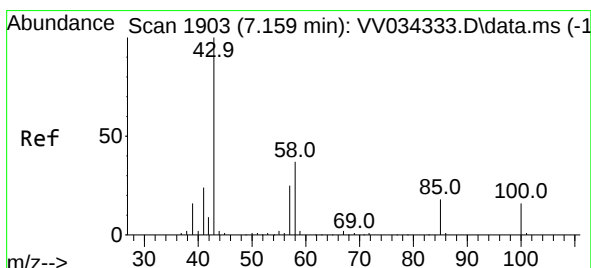
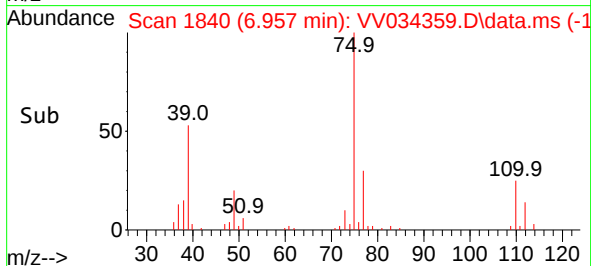
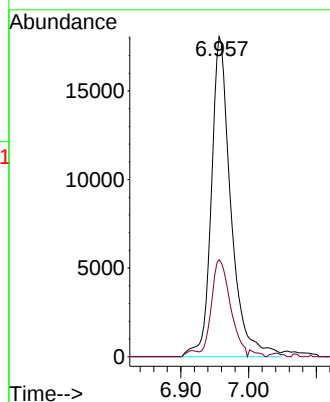
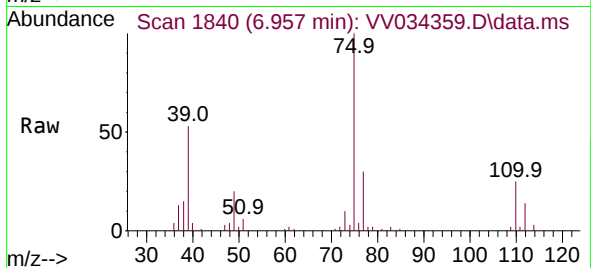




#39
cis-1,3-Dichloropropene
Concen: 4.540 ug/L
RT: 6.957 min Scan# 1840
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

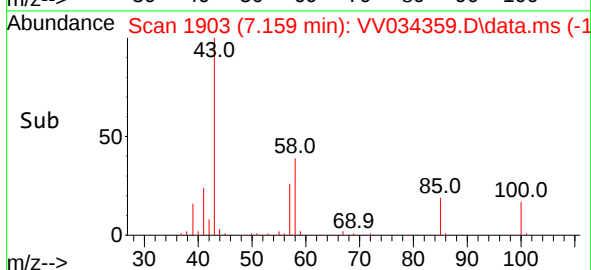
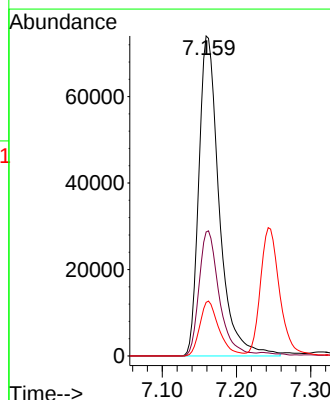
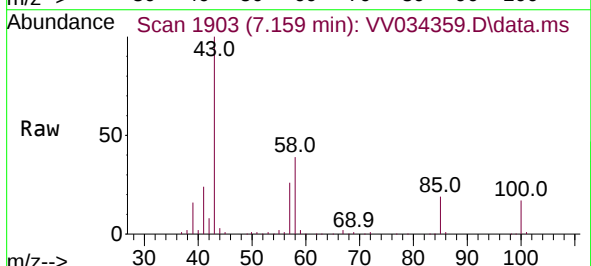
Instrument :
MSVOA_V
ClientSampleId :

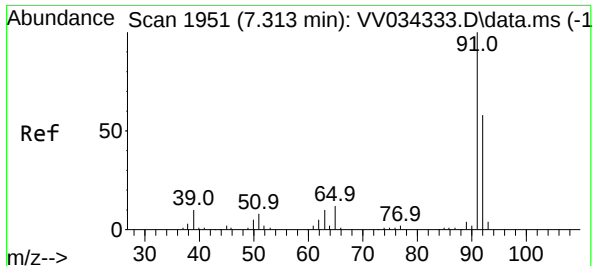
Tgt Ion: 75 Resp: 36222
Ion Ratio Lower Upper
75 100
77 30.3 22.9 42.5



#40
4-Methyl-2-pentanone
Concen: 56.327 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion: 43 Resp: 141424
Ion Ratio Lower Upper
43 100
58 38.7 30.2 45.2
100 16.2 12.1 18.1





#42

Toluene

Concen: 5.375 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

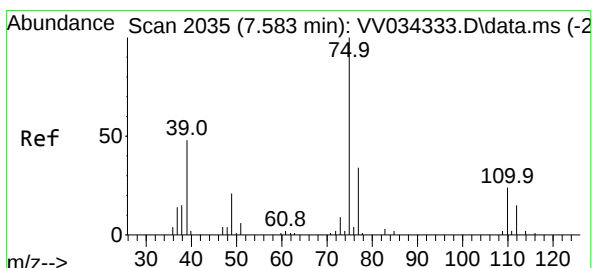
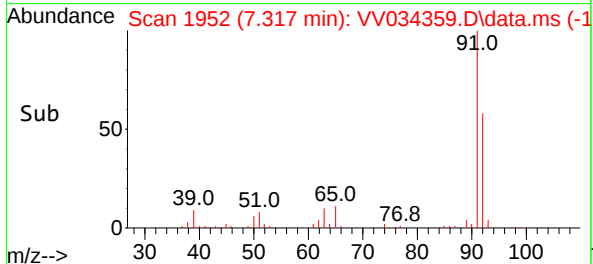
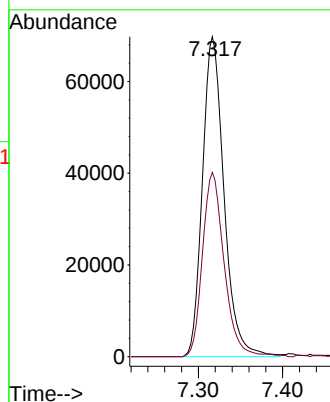
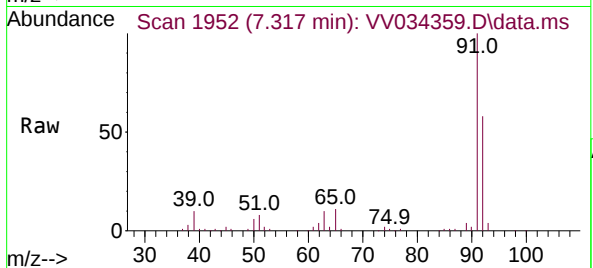
ClientSampleId :

Tgt Ion: 91 Resp: 124340

Ion Ratio Lower Upper

91 100

92 57.6 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 4.869 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV034359.D

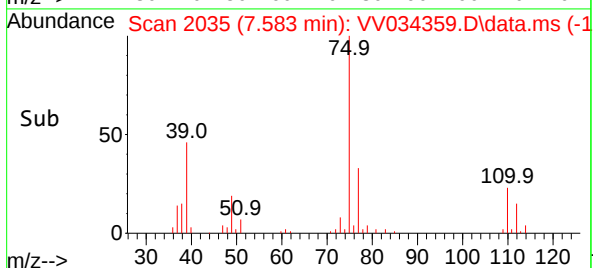
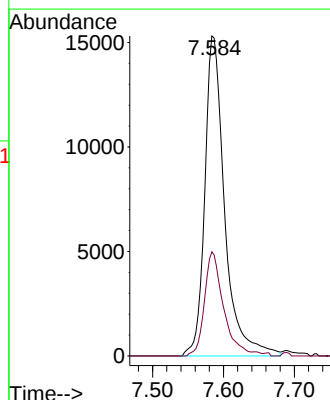
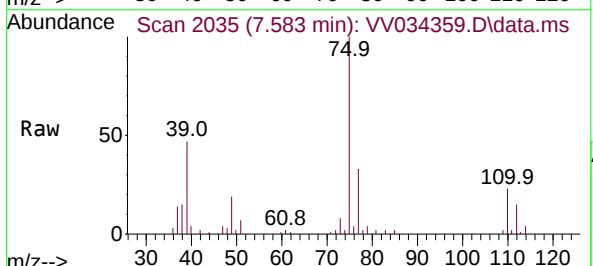
Acq: 22 Feb 2024 20:09

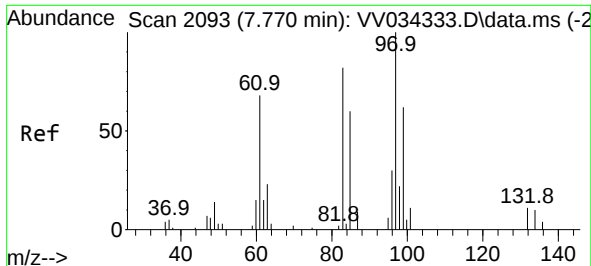
Tgt Ion: 75 Resp: 29823

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

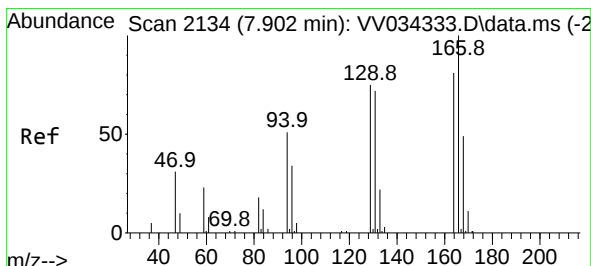
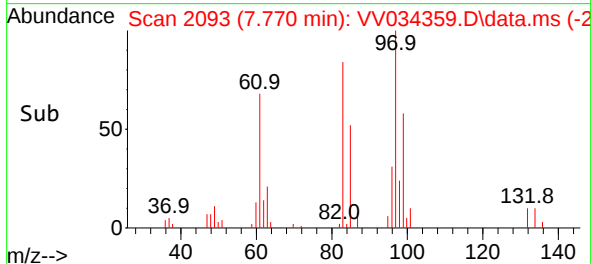
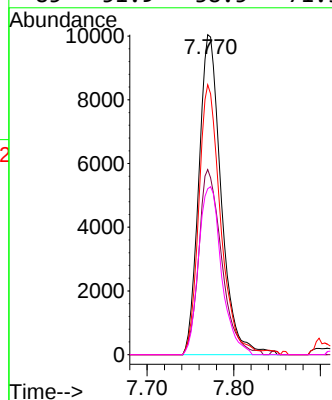
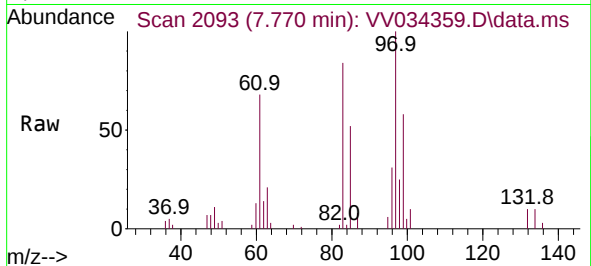




#45
1,1,2-Trichloroethane
Concen: 5.557 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

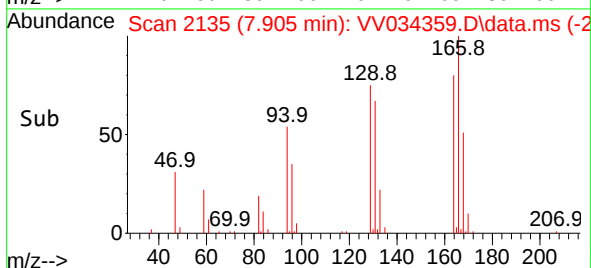
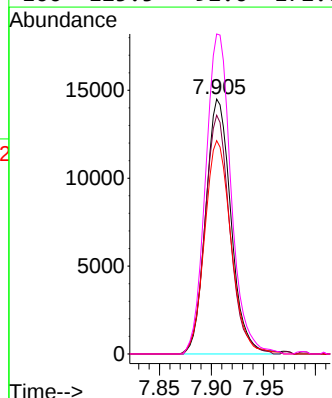
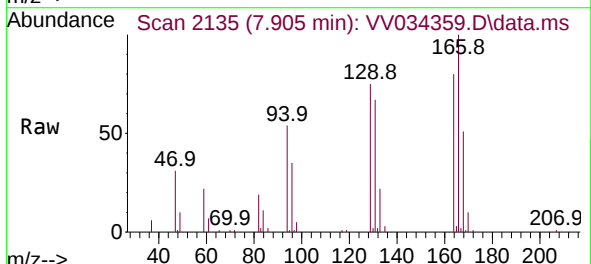
Instrument :
MSVOA_V
ClientSampleId :

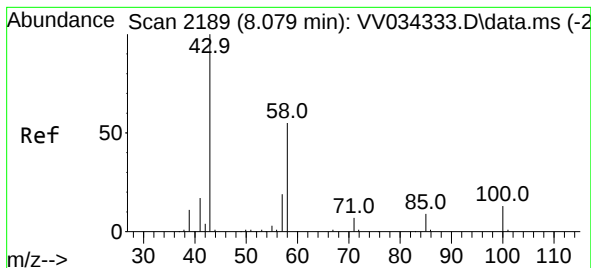
Tgt Ion:	97	Resp:	17991
Ion	Ratio	Lower	Upper
97	100		
99	57.9	45.6	84.6
83	84.3	62.3	115.7
85	51.9	38.5	71.5



#47
Tetrachloroethene
Concen: 4.832 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion:	164	Resp:	24597
Ion	Ratio	Lower	Upper
164	100		
129	93.6	67.8	125.8
131	83.7	63.0	117.0
166	125.5	92.6	172.0





#48

2-Hexanone

Concen: 56.461 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 99925

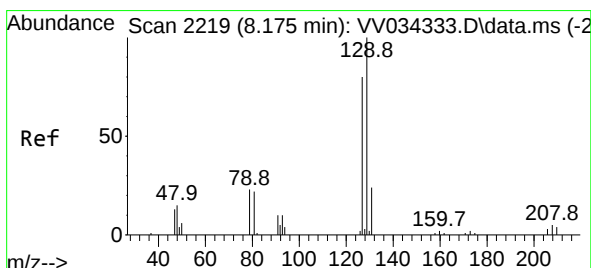
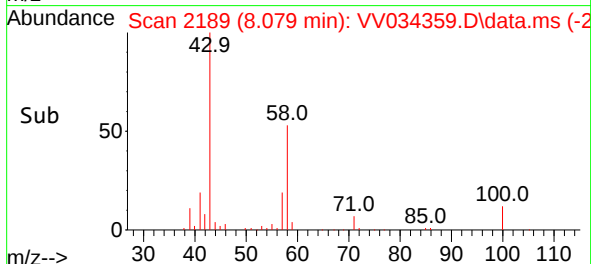
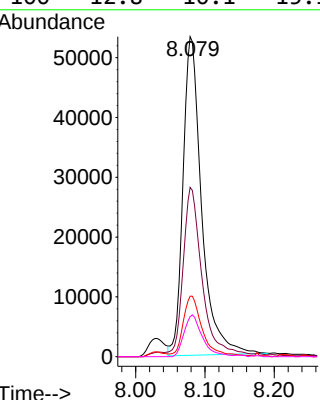
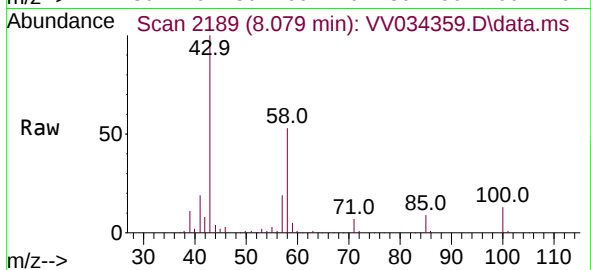
Ion Ratio Lower Upper

43 100

58 52.3 42.6 64.0

57 19.8 15.5 23.3

100 12.8 10.1 15.1



#49

Dibromochloromethane

Concen: 5.097 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.003 min

Lab File: VV034359.D

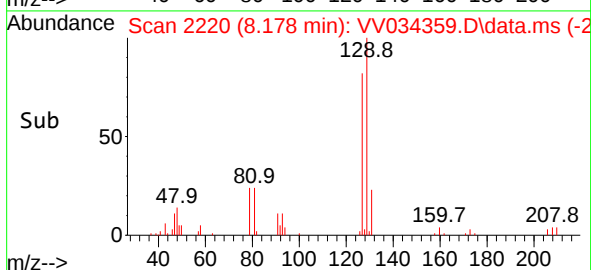
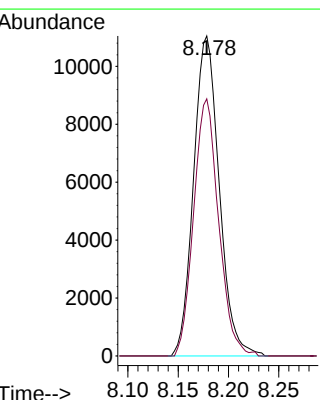
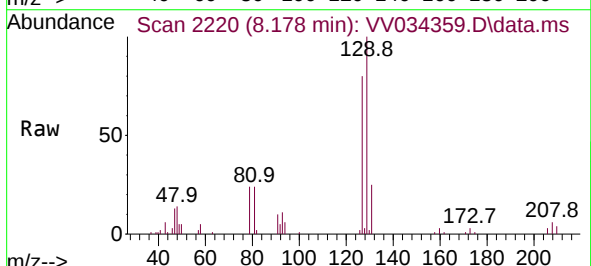
Acq: 22 Feb 2024 20:09

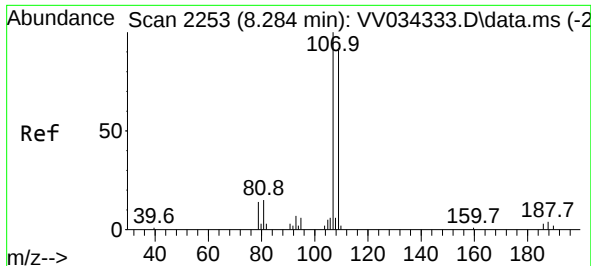
Tgt Ion: 129 Resp: 19610

Ion Ratio Lower Upper

129 100

127 80.3 53.5 99.5





#50

1,2-Dibromoethane

Concen: 5.594 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV034359.D

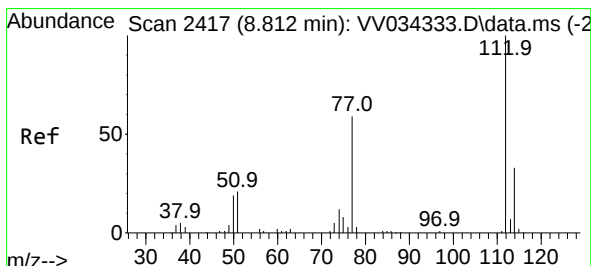
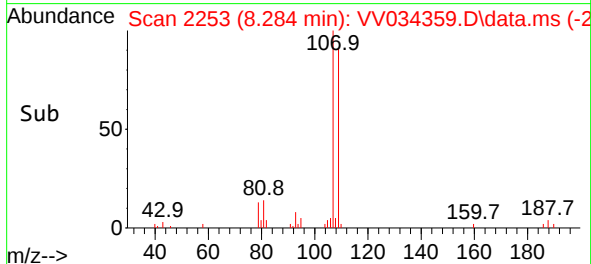
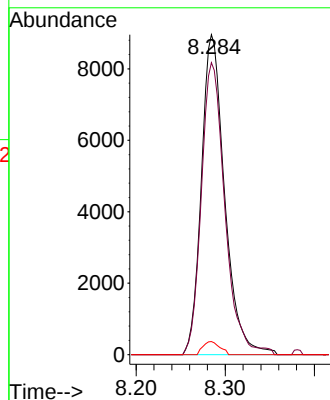
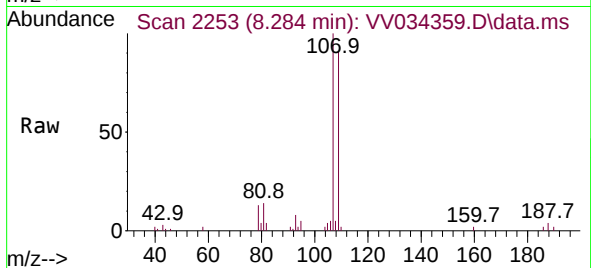
Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	16256
Ion	Ratio	Lower	Upper
107	100		
109	91.2	64.5	119.9
188	4.1	2.6	4.0#



#51

Chlorobenzene

Concen: 5.335 ug/L

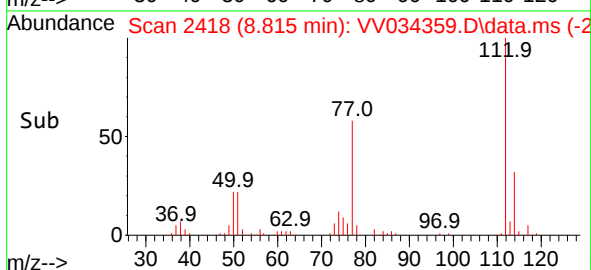
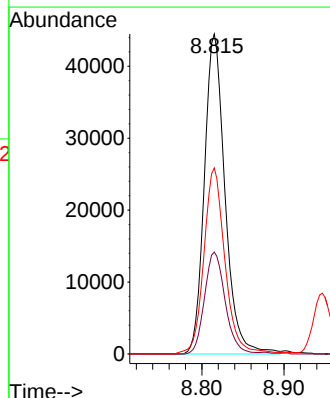
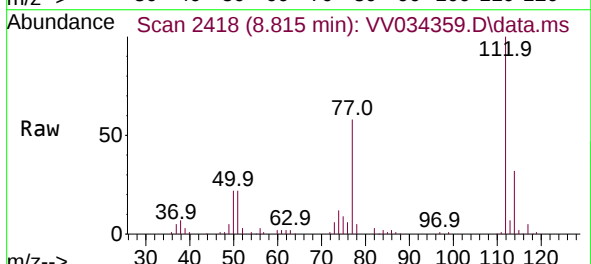
RT: 8.815 min Scan# 2418

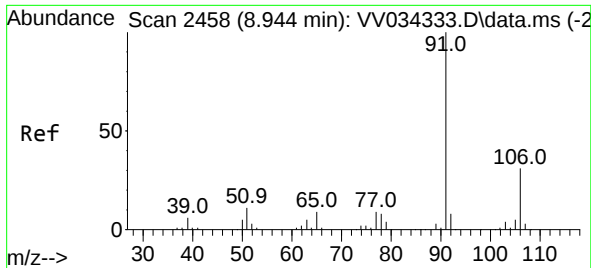
Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Tgt Ion:	112	Resp:	78035
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	58.1	48.1	72.1

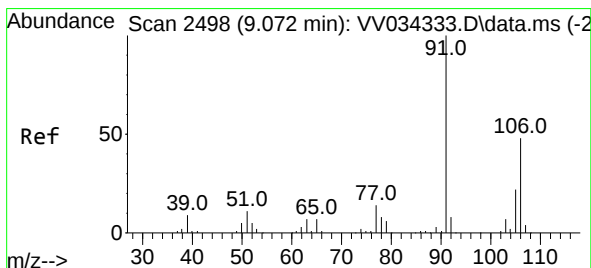
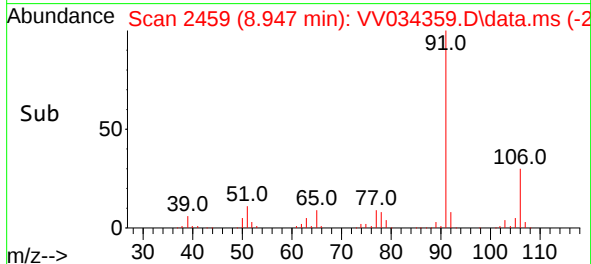
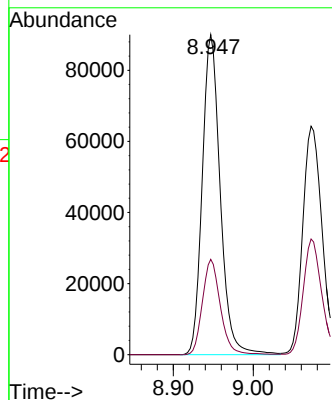
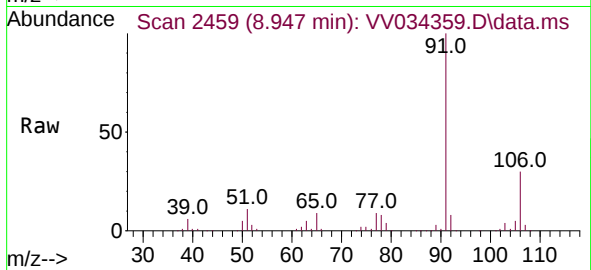




#52
Ethylbenzene
Concen: 5.293 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

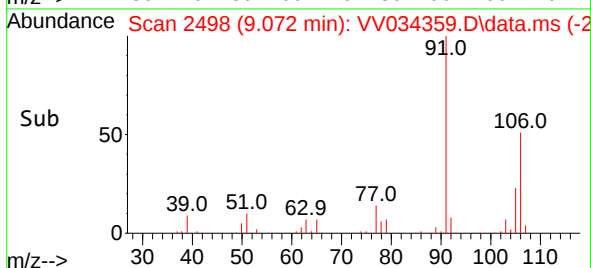
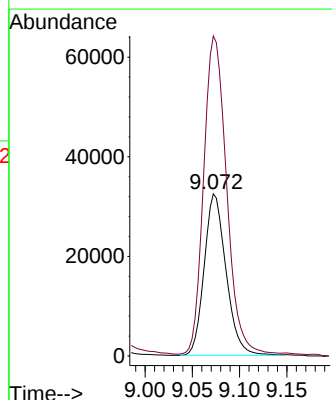
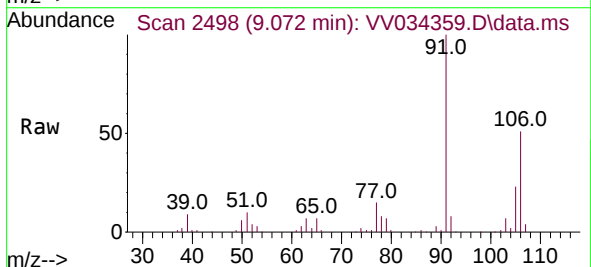
Instrument :
MSVOA_V
ClientSampleId :

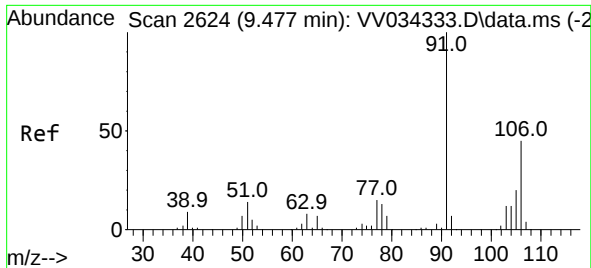
Tgt Ion: 91 Resp: 140934
Ion Ratio Lower Upper
91 100
106 29.8 21.4 39.8



#53
m,p-Xylene
Concen: 5.188 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion: 106 Resp: 52204
Ion Ratio Lower Upper
106 100
91 197.5 147.5 273.9

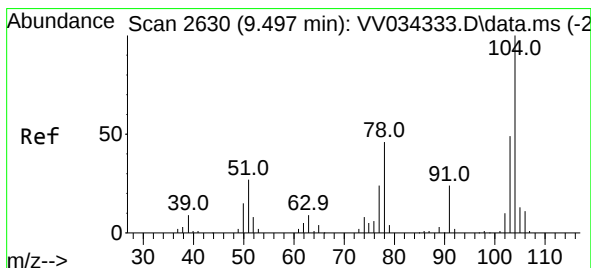
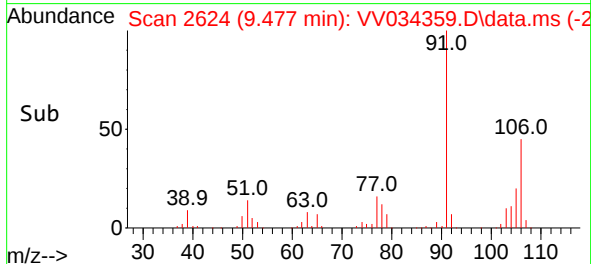
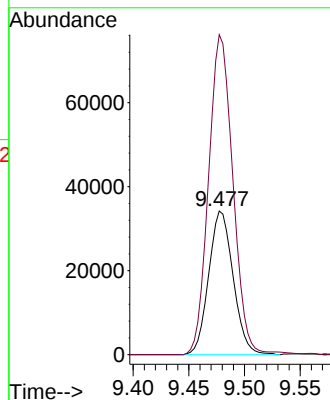
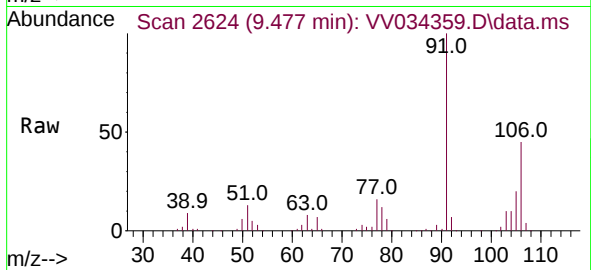




#54
o-Xylene
Concen: 5.379 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

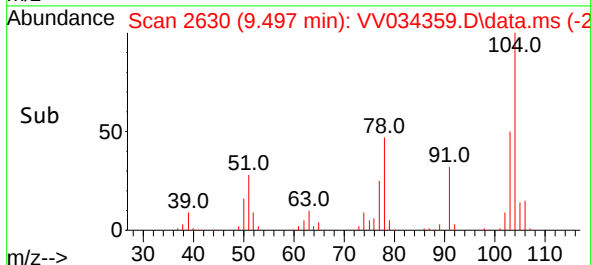
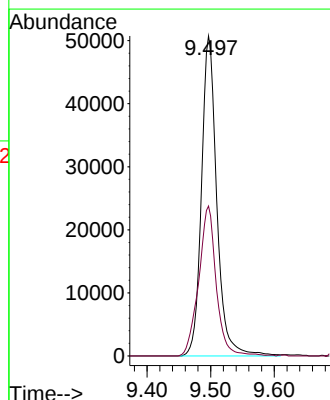
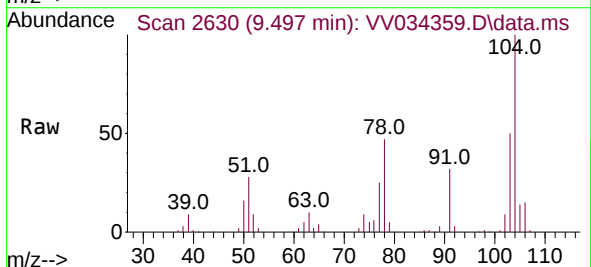
Instrument :
MSVOA_V
ClientSampleId :

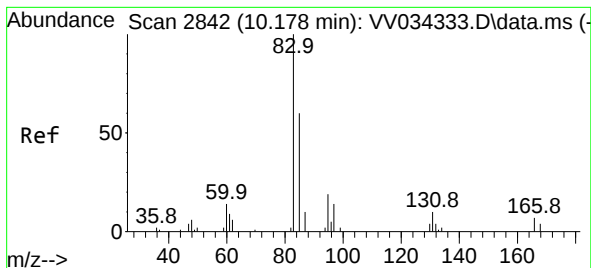
Tgt Ion:106 Resp: 52190
Ion Ratio Lower Upper
106 100
91 222.7 156.2 290.0



#55
Styrene
Concen: 5.475 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion:104 Resp: 85065
Ion Ratio Lower Upper
104 100
78 46.8 32.9 61.1

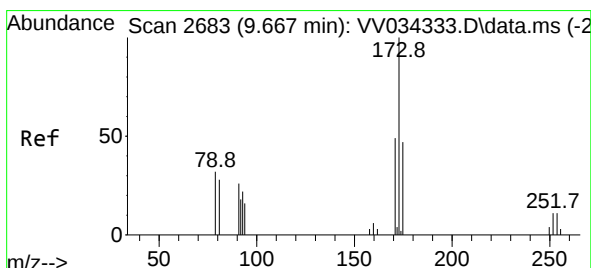
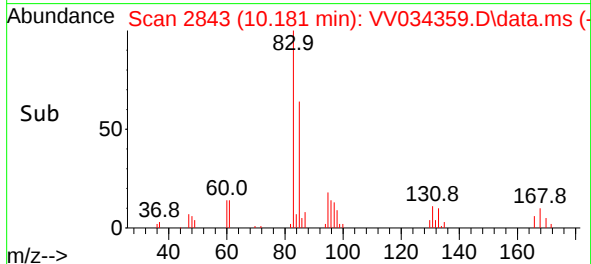
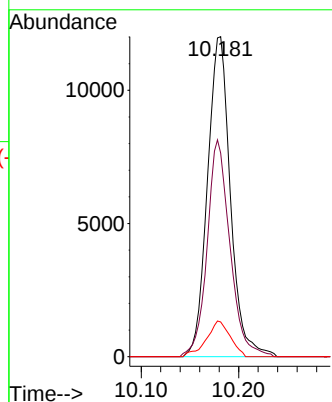
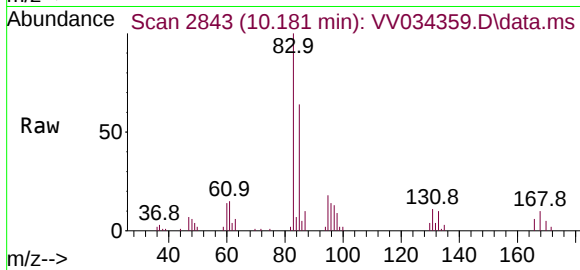




#57
1,1,2,2-Tetrachloroethane
Concen: 5.751 ug/L
RT: 10.181 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

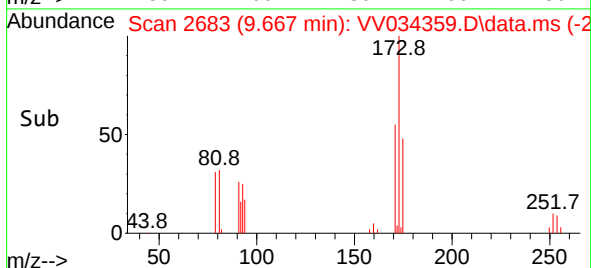
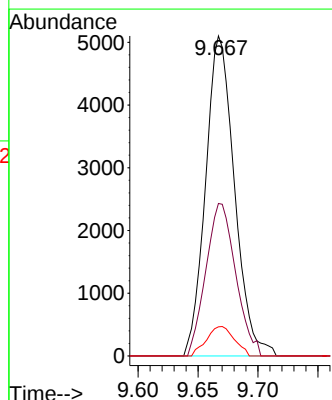
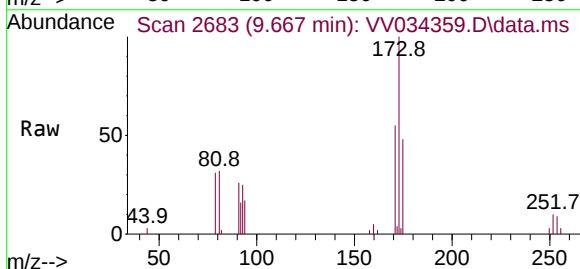
Instrument :
MSVOA_V
ClientSampleId :

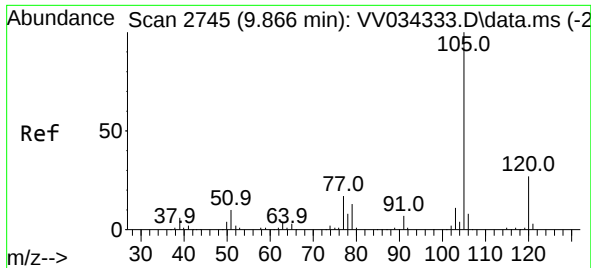
Tgt Ion: 83 Resp: 19653
Ion Ratio Lower Upper
83 100
85 63.6 46.5 86.3
131 10.8 8.4 12.6



#59
Bromoform
Concen: 4.204 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion: 173 Resp: 8549
Ion Ratio Lower Upper
173 100
175 49.0 38.6 57.8
254 8.9 7.2 10.8

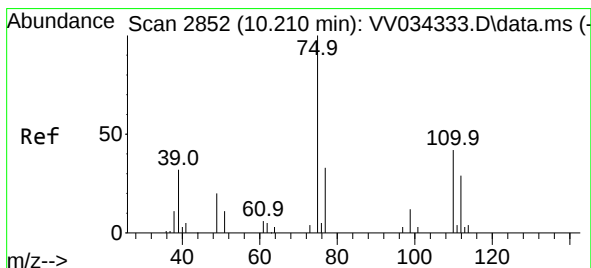
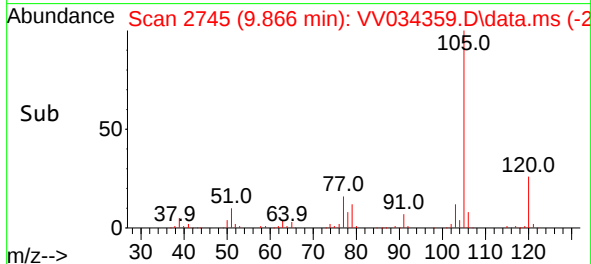
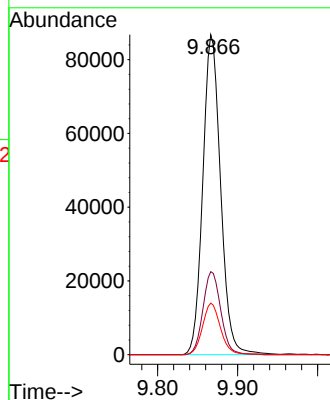
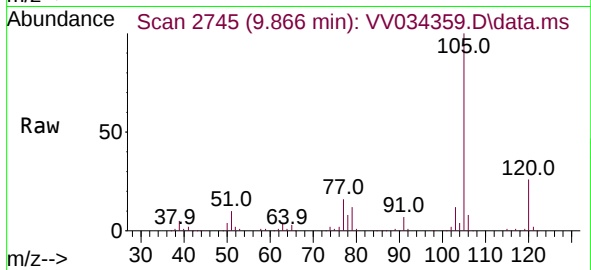




#60
Isopropylbenzene
Concen: 4.930 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

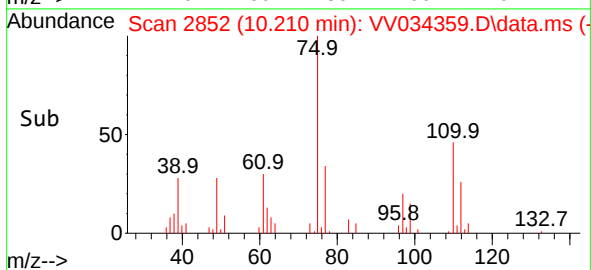
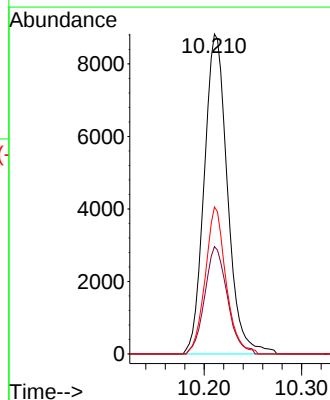
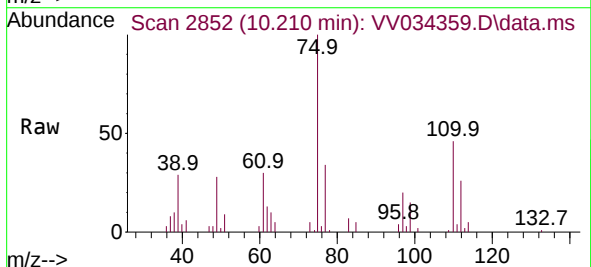
Instrument :
MSVOA_V
ClientSampleId :

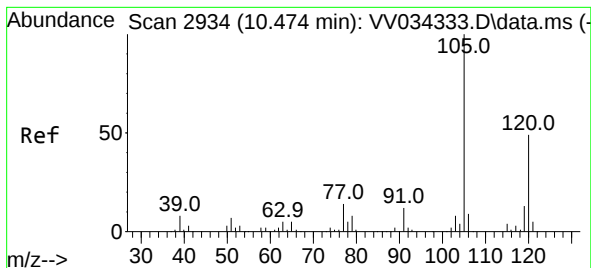
Tgt Ion:105 Resp: 134650
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.763 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion: 75 Resp: 14624
Ion Ratio Lower Upper
75 100
77 32.6 26.9 40.3
110 41.0 33.3 49.9





#62

1,3,5-Trimethylbenzene

Concen: 5.110 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

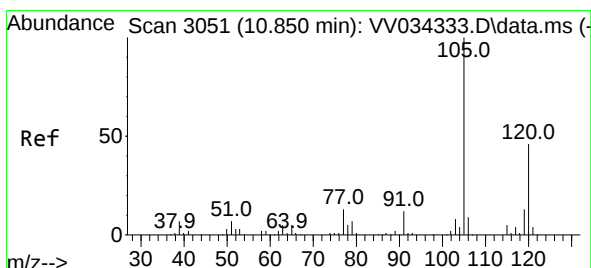
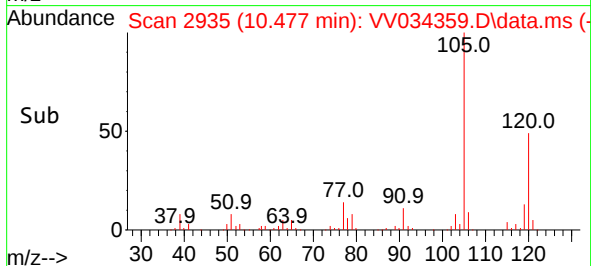
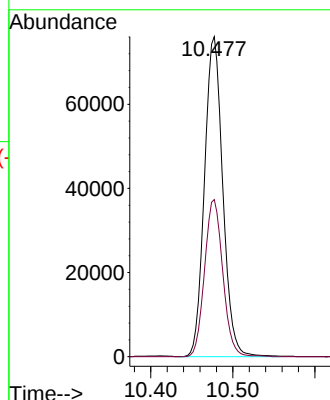
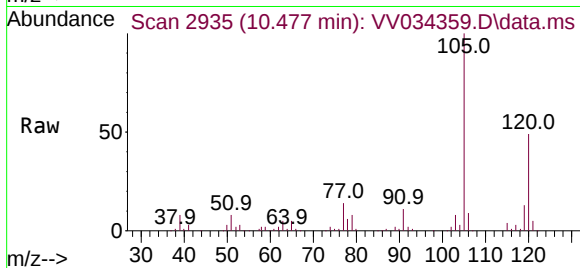
ClientSampleId :

Tgt Ion:105 Resp: 117988

Ion Ratio Lower Upper

105 100

120 48.9 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 5.274 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034359.D

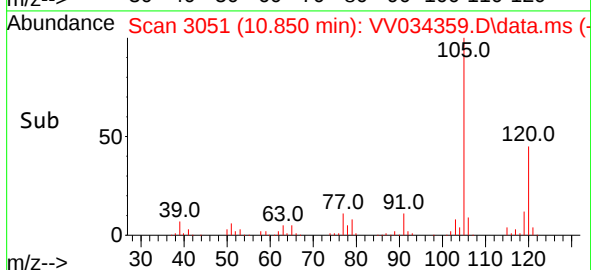
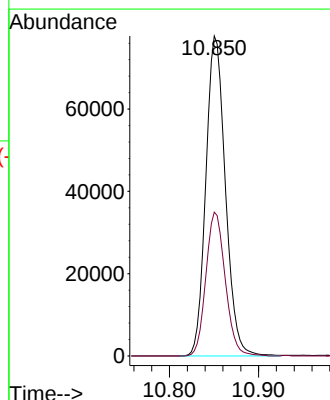
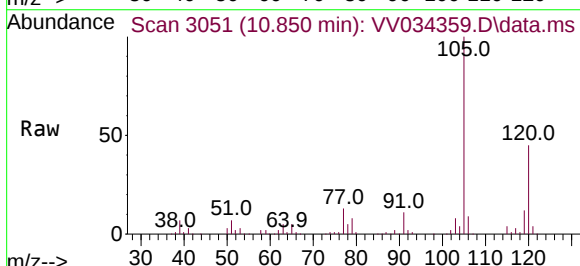
Acq: 22 Feb 2024 20:09

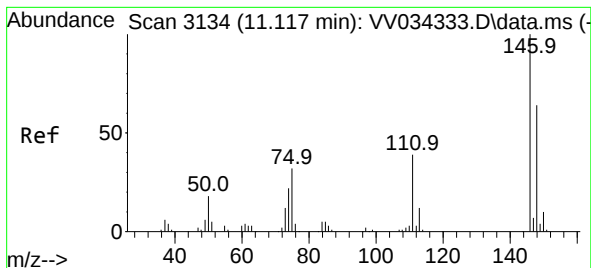
Tgt Ion:105 Resp: 118331

Ion Ratio Lower Upper

105 100

120 44.5 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 5.382 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

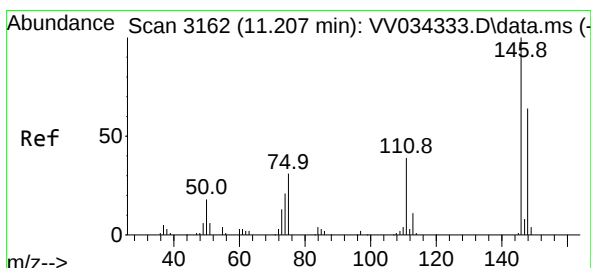
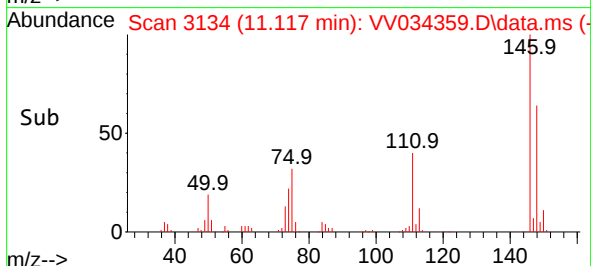
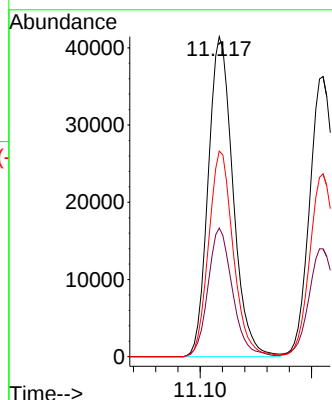
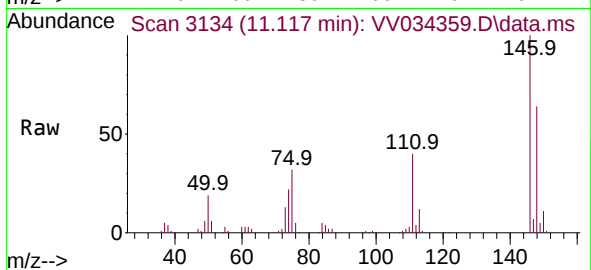
Tgt Ion:146 Resp: 64095

Ion Ratio Lower Upper

146 100

111 40.2 28.5 52.9

148 64.3 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 5.112 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

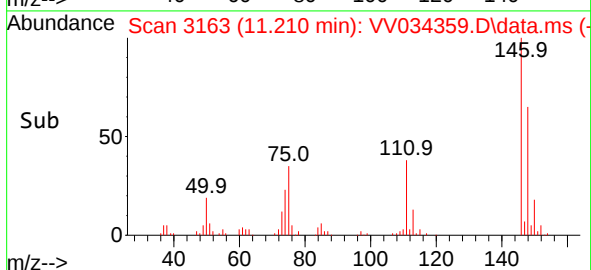
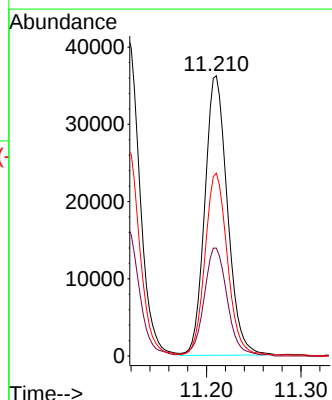
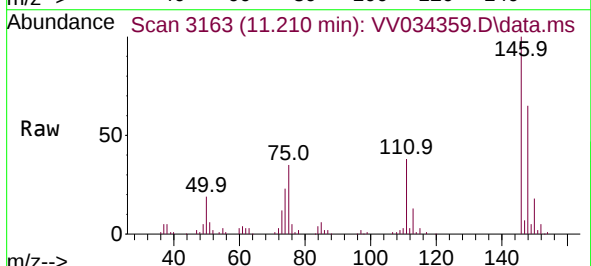
Tgt Ion:146 Resp: 60279

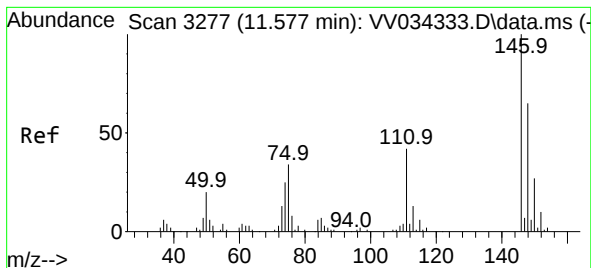
Ion Ratio Lower Upper

146 100

111 38.5 27.6 51.4

148 65.3 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.595 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

Instrument :

MSVOA_V

ClientSampleId :

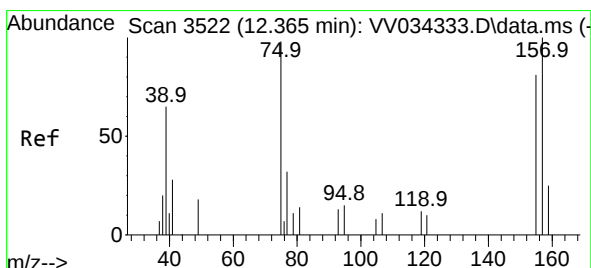
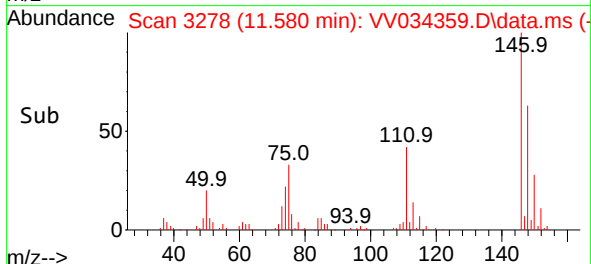
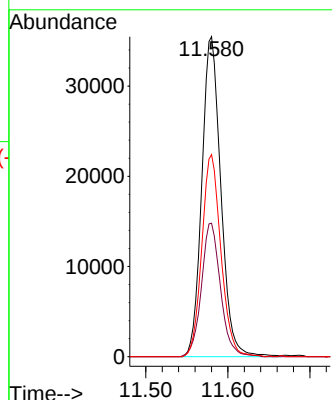
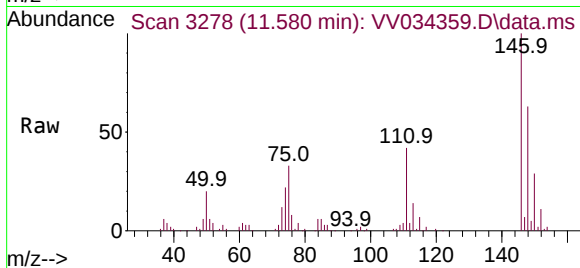
Tgt Ion:146 Resp: 57221

Ion Ratio Lower Upper

146 100

111 41.7 31.2 46.8

148 63.1 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 6.198 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV034359.D

Acq: 22 Feb 2024 20:09

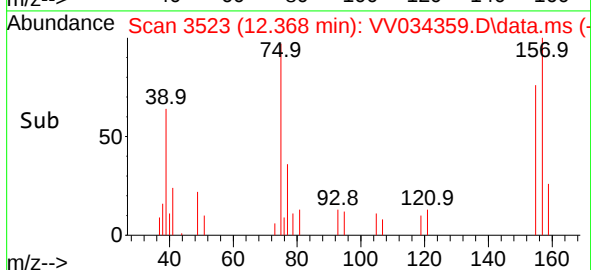
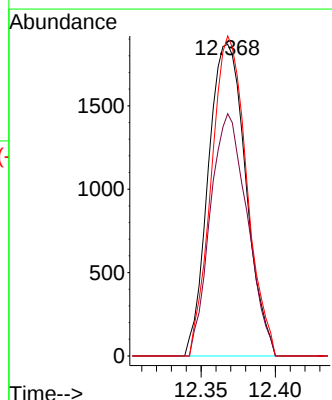
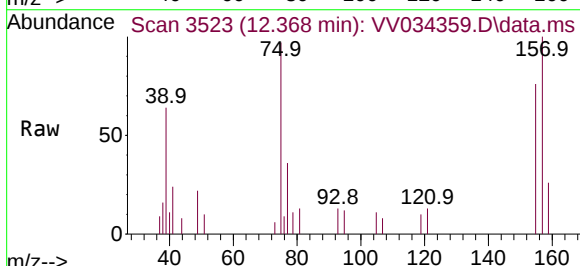
Tgt Ion: 75 Resp: 3296

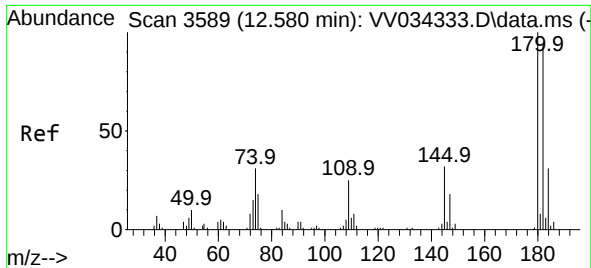
Ion Ratio Lower Upper

75 100

155 77.7 68.9 103.3

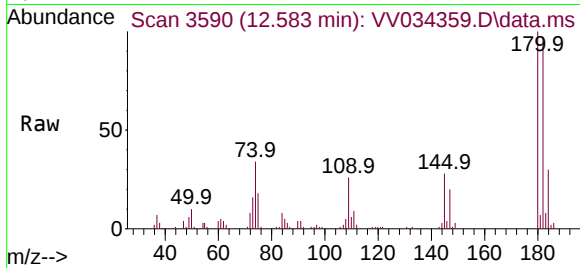
157 102.7 84.6 127.0



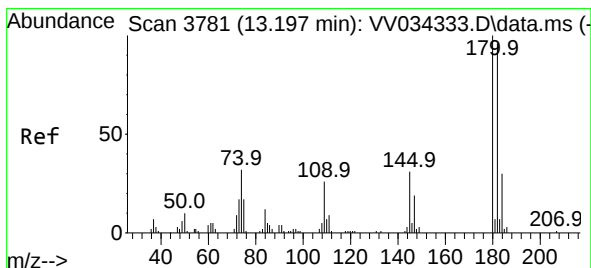
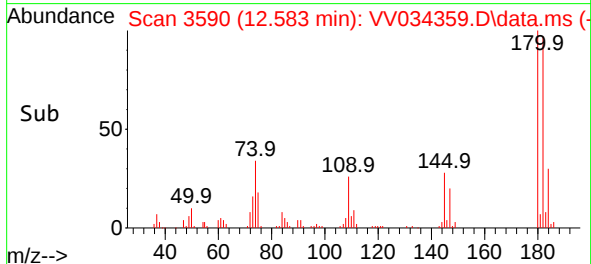
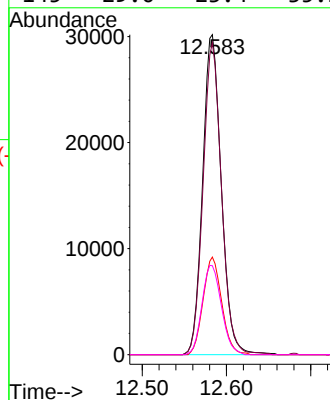


#69
 1,3,5-Trichlorobenzene
 Concen: 5.057 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.003 min
 Lab File: VV034359.D
 Acq: 22 Feb 2024 20:09

Instrument :
 MSVOA_V
 ClientSampleId :

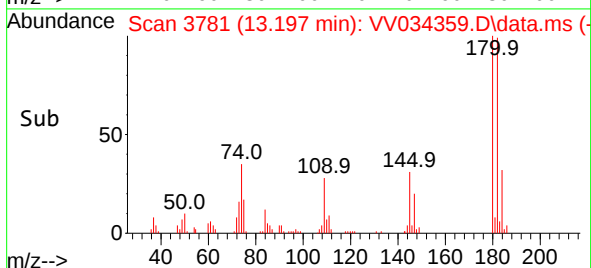
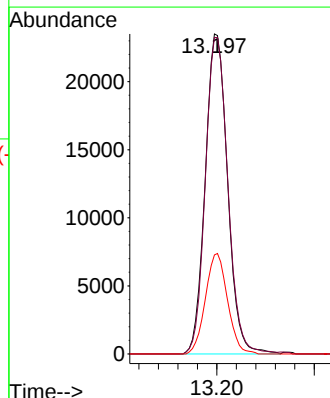
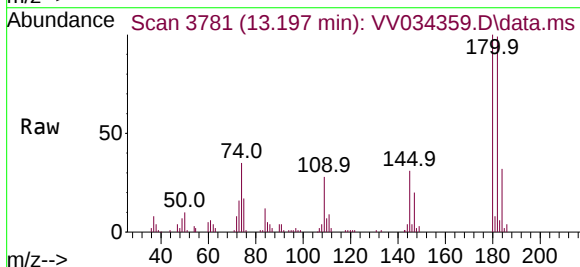


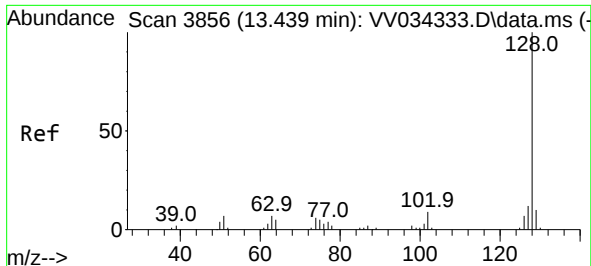
Tgt Ion:180 Resp: 46605
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.0 115.4
 184 30.4 23.8 35.6
 145 29.0 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.211 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV034359.D
 Acq: 22 Feb 2024 20:09

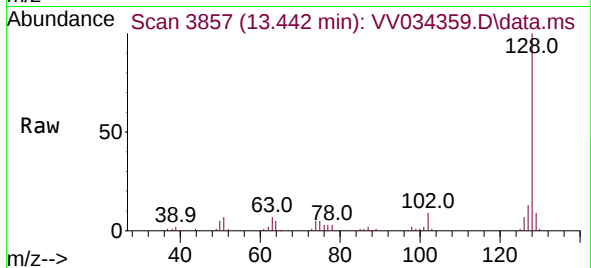
Tgt Ion:180 Resp: 37488
 Ion Ratio Lower Upper
 180 100
 182 99.3 76.8 115.2
 145 31.0 24.8 37.2



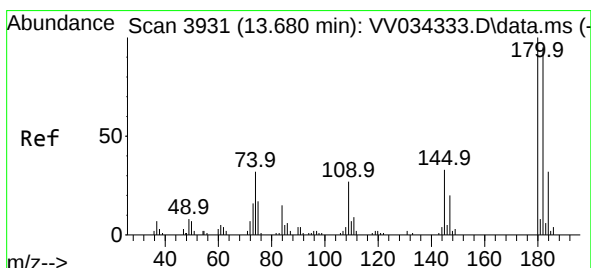
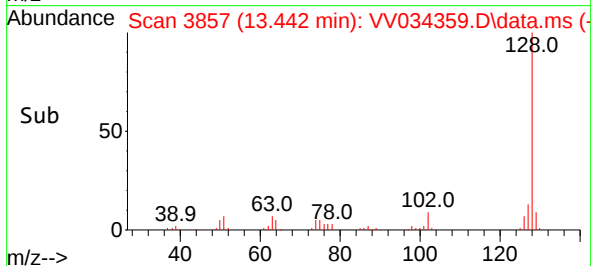
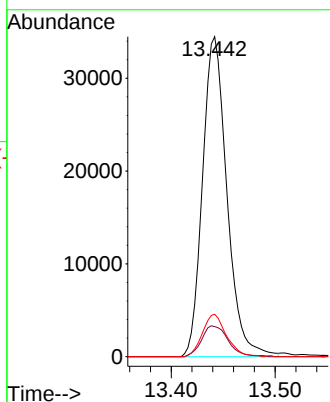


#71
Naphthalene
Concen: 5.965 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 56228
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 13.0 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.841 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV034359.D
Acq: 22 Feb 2024 20:09

Tgt Ion:180 Resp: 33672
Ion Ratio Lower Upper
180 100
182 93.2 75.0 112.6
145 31.4 25.2 37.8

