

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091423\
 Data File : VV032109.D
 Acq On : 14 Sep 2023 23:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 15 08:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	239080	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	234868	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	126028	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	55558	37.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.260%
7) Chloroethane-d5	1.529	69	51665	39.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.780%
11) 1,1-Dichloroethene-d2	2.060	65	25527	36.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.860%
21) 2-Butanone-d5	3.789	46	131572	111.805	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.810%
24) Chloroform-d	4.252	84	140773	43.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.080%
26) 1,2-Dichloroethane-d4	4.944	65	86278	39.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.500%
32) Benzene-d6	4.963	84	265939	41.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	5.992	67	91908	44.555	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.100%
41) Toluene-d8	7.246	98	236156	39.992	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.980%#
43) trans-1,3-Dichloroprop...	7.555	79	42396	39.653	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.300%
47) 2-Hexanone-d5	8.027	63	87761	138.809	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.810%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	140440	52.686	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.380%
66) 1,2-Dichlorobenzene-d4	11.564	152	99951	43.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	60579	41.622	ug/L	98
3) Chloromethane	1.214	50	71300	48.041	ug/L	100
5) Vinyl chloride	1.281	62	73475	46.357	ug/L	99
6) Bromomethane	1.484	94	44758	47.961	ug/L	97
8) Chloroethane	1.548	64	49266	46.771	ug/L	100
9) Trichlorofluoromethane	1.712	101	107506	46.530	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	67350	48.279	ug/L	98
12) 1,1-Dichloroethene	2.069	96	58520	46.703	ug/L	83
13) Acetone	2.111	43	82731	78.986	ug/L	97
14) Carbon disulfide	2.240	76	127029	44.492	ug/L	99
15) Methyl Acetate	2.371	43	104600	55.995	ug/L	100
16) Methylene chloride	2.449	84	84593	52.536	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	66317	48.275	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	283106	48.763	ug/L	98
19) 1,1-Dichloroethane	3.111	63	155387	50.473	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	88204	51.178	ug/L	95
22) 2-Butanone	3.870	43	140228	101.177	ug/L	98
23) Bromochloromethane	4.149	128	43649	52.202	ug/L	99
25) Chloroform	4.278	83	159122	49.712	ug/L	99

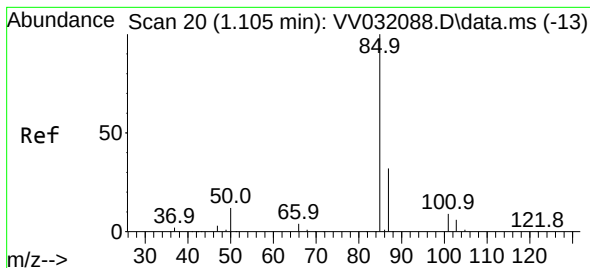
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 Data File : VW032109.D
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Quant Time: Sep 15 08:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

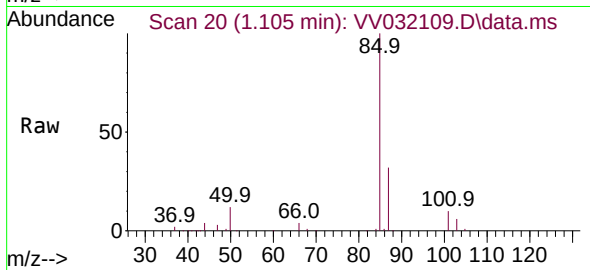
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	120449	47.765	ug/L	96
29) Cyclohexane	4.584	56	112683	46.079	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	129908	47.419	ug/L	98
31) Carbon tetrachloride	4.738	117	105404	45.311	ug/L	97
33) Benzene	5.014	78	319800	50.676	ug/L	100
34) Trichloroethene	5.838	95	84336	43.697	ug/L	97
35) Methylcyclohexane	6.053	83	110859	43.184	ug/L	99
37) 1,2-Dichloropropane	6.095	63	92808	51.884	ug/L	100
38) Bromodichloromethane	6.436	83	124118	48.885	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	143555	46.160	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	308369	108.615	ug/L	99
42) Toluene	7.317	91	340377	49.032	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	134154	44.897	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	95530	52.862	ug/L	99
46) Tetrachloroethene	7.908	164	58051	47.902	ug/L	99
48) 2-Hexanone	8.079	43	225910	104.196	ug/L	99
49) Dibromochloromethane	8.178	129	93709	50.462	ug/L	98
50) 1,2-Dibromoethane	8.284	107	96120	50.782	ug/L	100
51) Chlorobenzene	8.818	112	231466	50.180	ug/L	98
52) Ethylbenzene	8.950	91	394845	48.017	ug/L	99
53) m,p-Xylene	9.075	106	143043	46.850	ug/L	99
54) o-Xylene	9.480	106	146159	48.132	ug/L	98
55) Styrene	9.500	104	262677	48.932	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	157688	61.640	ug/L	98
59) Bromoform	9.667	173	66969	51.243	ug/L	100
60) Isopropylbenzene	9.870	105	406282	48.131	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	122952	51.638	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	329376	46.381	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	330514	46.265	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	187102	49.458	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	190671	49.567	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	191883	51.187	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	32996	46.135	ug/L	88
69) 1,3,5-Trichlorobenzene	12.586	180	130429	47.294	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	127757	48.261	ug/L	99
71) Naphthalene	13.442	128	456470	53.971	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	131456	51.823	ug/L	98

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

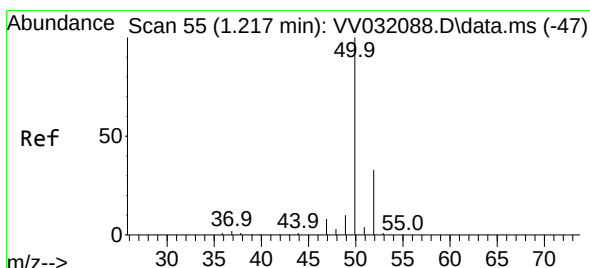
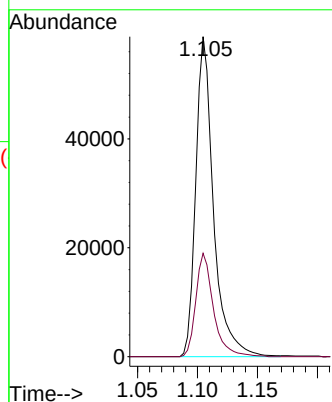
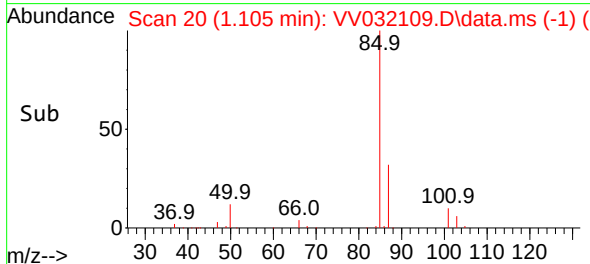


#2
 Dichlorodifluoromethane
 Concen: 41.622 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032109.D
 Acq: 14 Sep 2023 23:44

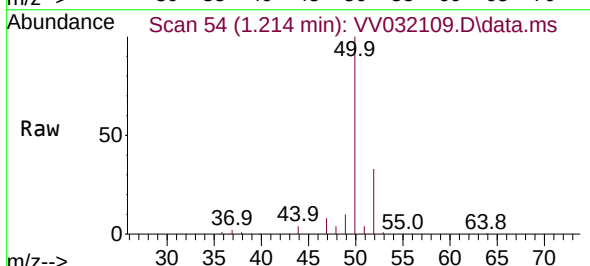
Instrument :
 MSVOA_V
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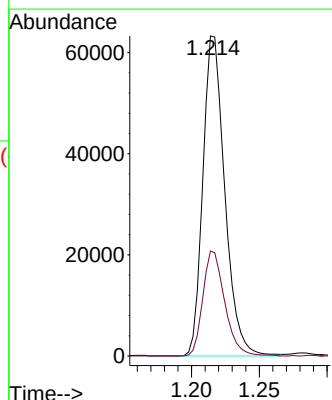
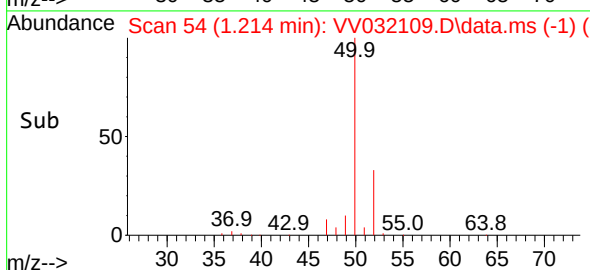
Tgt Ion: 85 Resp: 60579
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.8 40.2

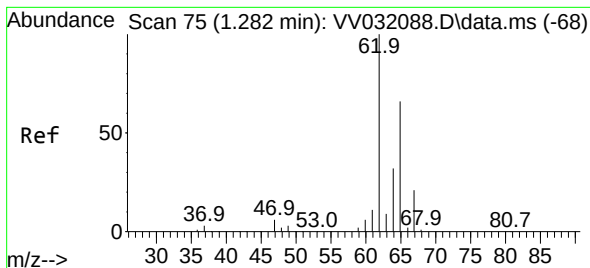


#3
 Chloromethane
 Concen: 48.041 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032109.D
 Acq: 14 Sep 2023 23:44



Tgt Ion: 50 Resp: 71300
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 46.357 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

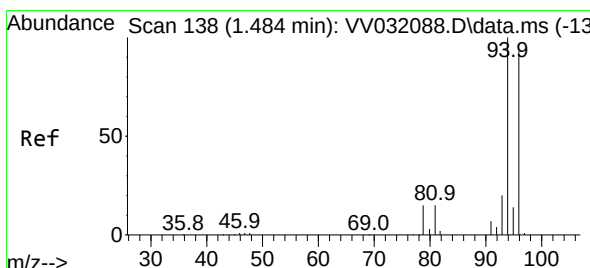
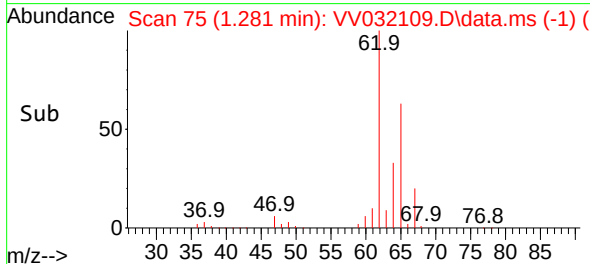
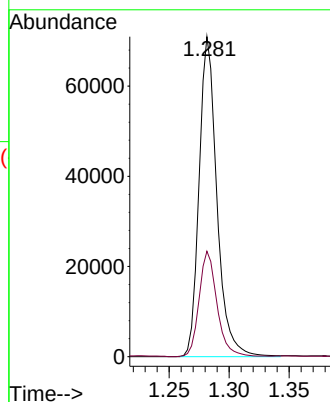
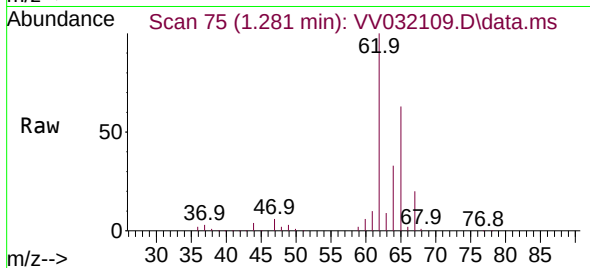
ClientSampleId :

Tgt Ion: 62 Resp: 73475

Ion Ratio Lower Upper

62 100

64 32.9 23.6 43.8



#6

Bromomethane

Concen: 47.961 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV032109.D

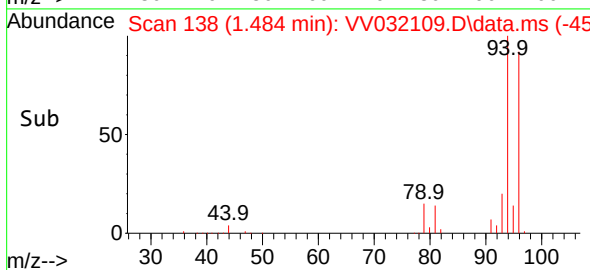
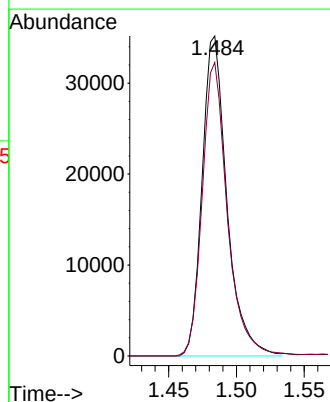
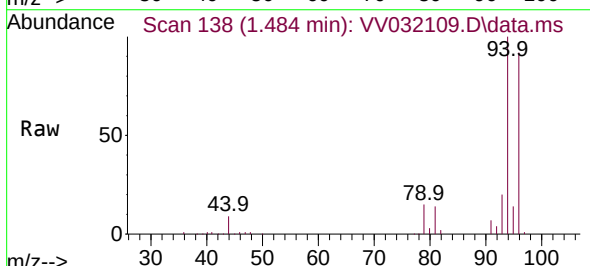
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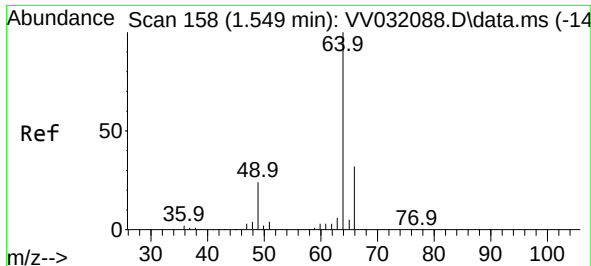
Tgt Ion: 94 Resp: 44758

Ion Ratio Lower Upper

94 100

96 91.7 66.4 123.4

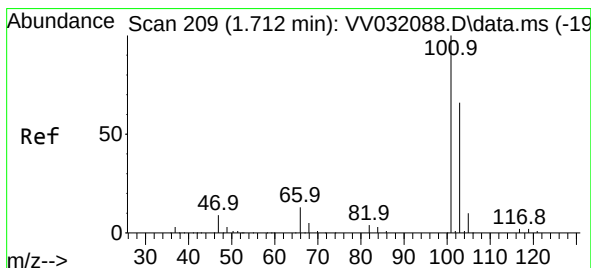
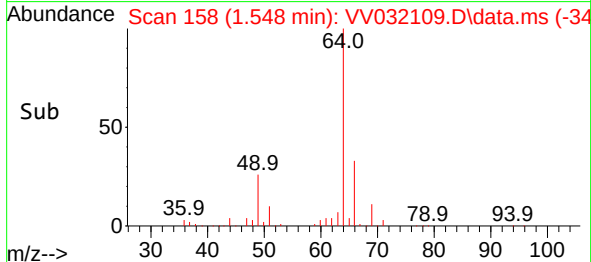
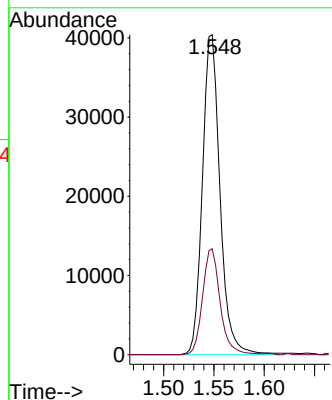
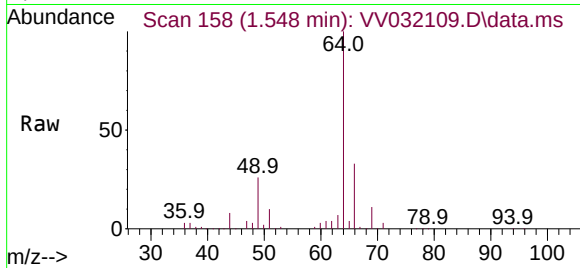




#8
Chloroethane
Concen: 46.771 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

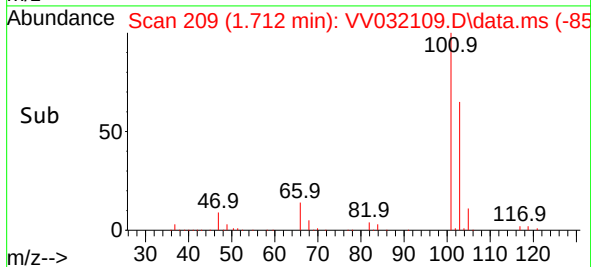
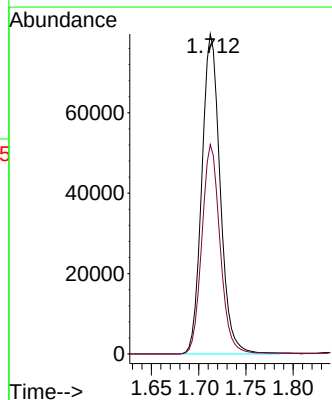
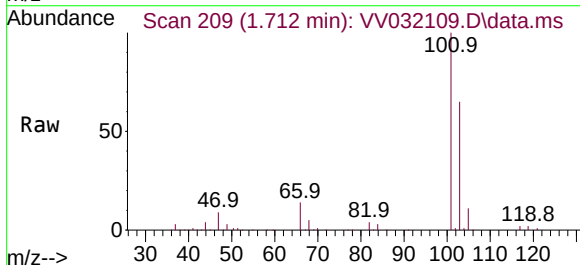
Instrument :
MSVOA_V
ClientSampleId :

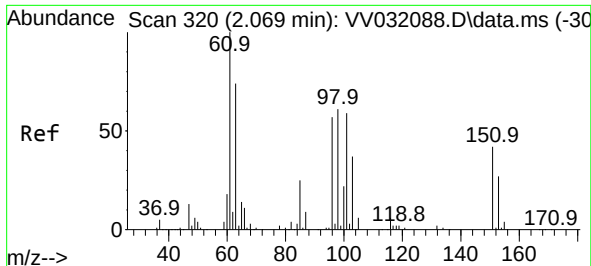
Tgt Ion: 64 Resp: 49266
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 46.530 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion:101 Resp: 107506
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9





#10

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

Concen: 48.279 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :

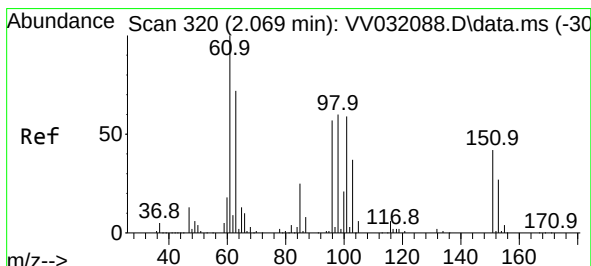
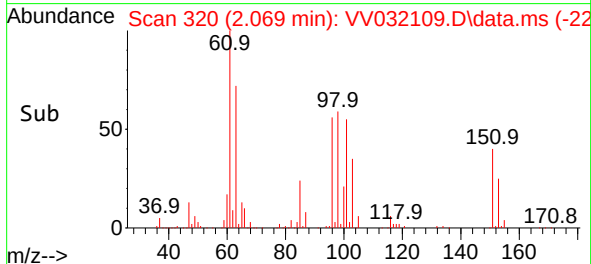
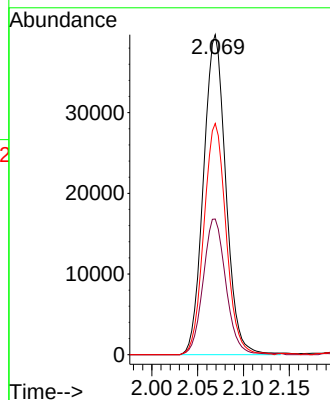
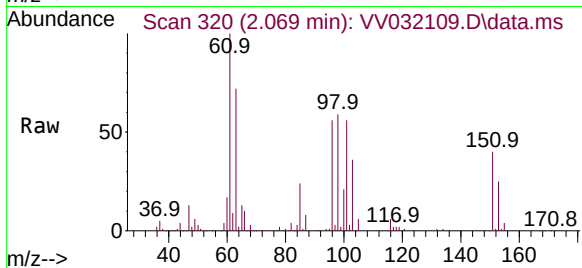
Tgt Ion:101 Resp: 67350

Ion Ratio Lower Upper

101 100

85 42.9 35.8 53.8

151 71.4 56.5 84.7



#12

1,1-Dichloroethene

Concen: 46.703 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

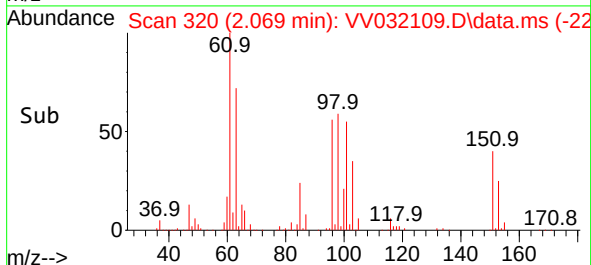
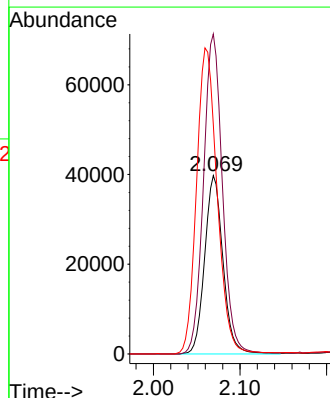
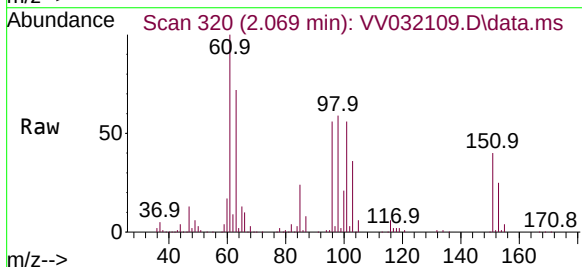
Tgt Ion: 96 Resp: 58520

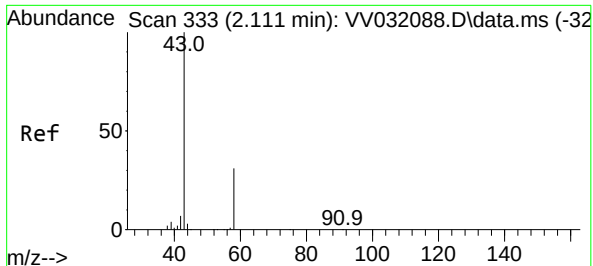
Ion Ratio Lower Upper

96 100

61 179.3 133.8 248.6

63 128.6 115.2 214.0





#13

Acetone

Concen: 78.986 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

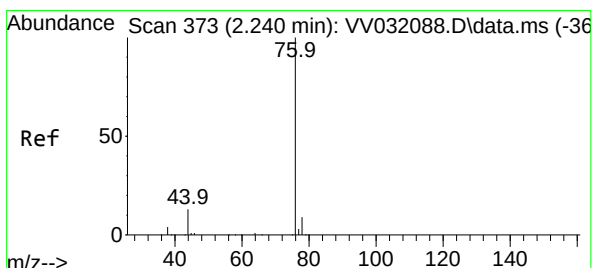
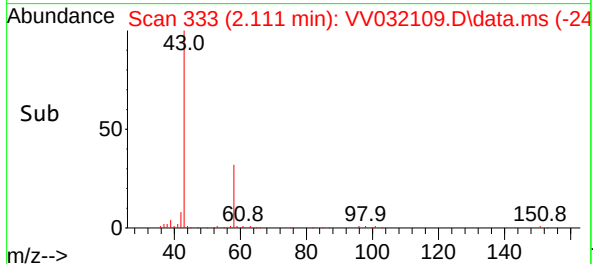
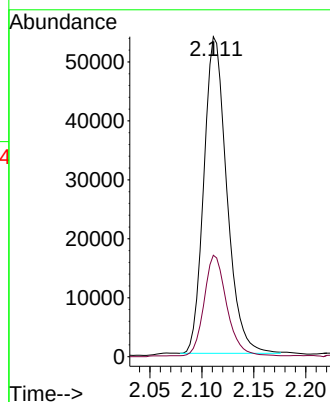
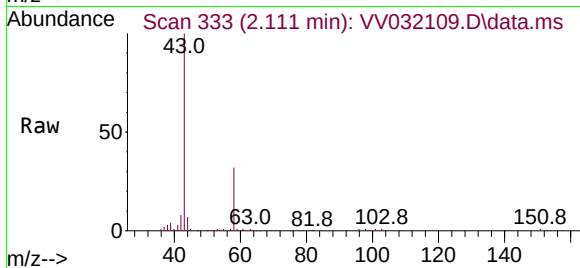
ClientSampleId :

Tgt Ion: 43 Resp: 82731

Ion Ratio Lower Upper

43 100

58 32.2 0.0 61.0



#14

Carbon disulfide

Concen: 44.492 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032109.D

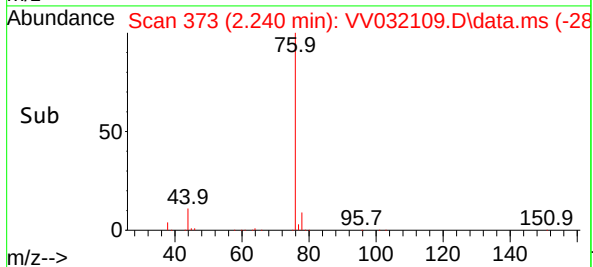
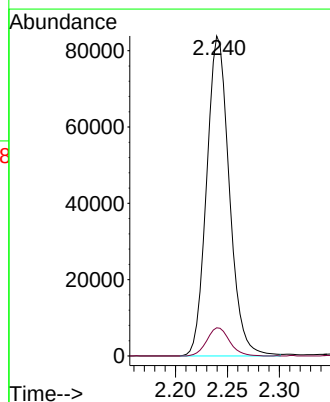
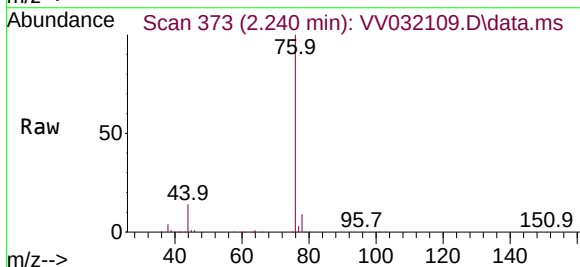
Acq: 14 Sep 2023 23:44

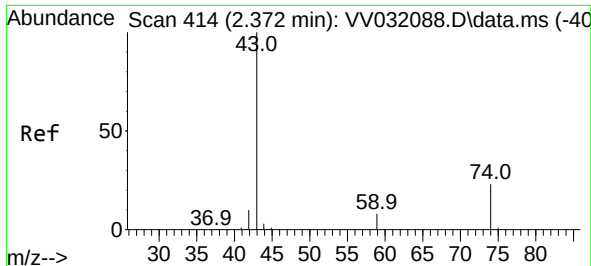
Tgt Ion: 76 Resp: 127029

Ion Ratio Lower Upper

76 100

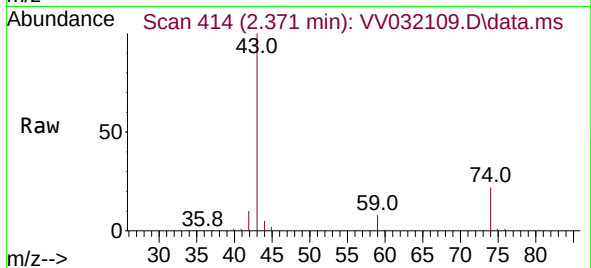
78 8.8 7.4 11.0



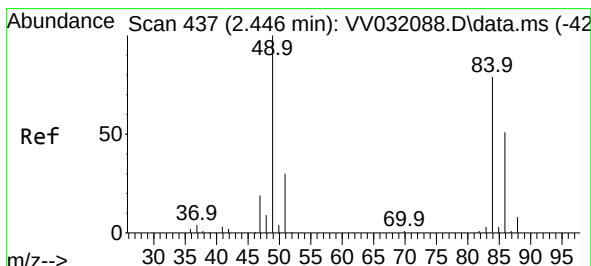
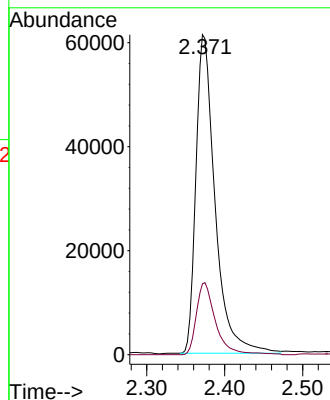
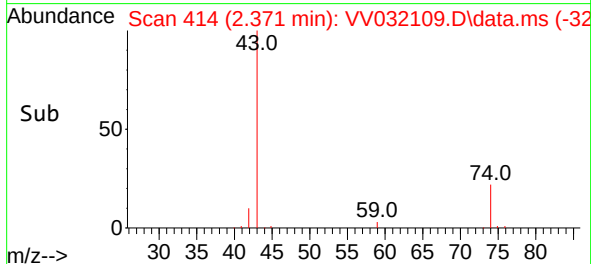


#15
Methyl Acetate
Concen: 55.995 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

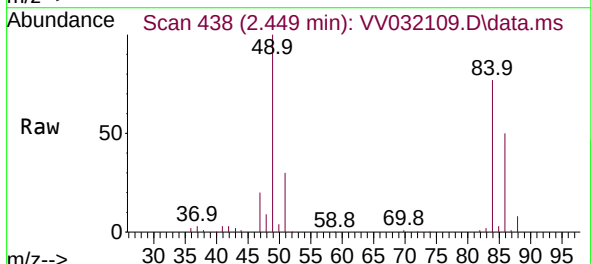
Instrument :
MSVOA_V
ClientSampleId :



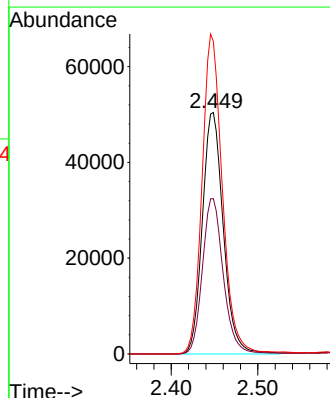
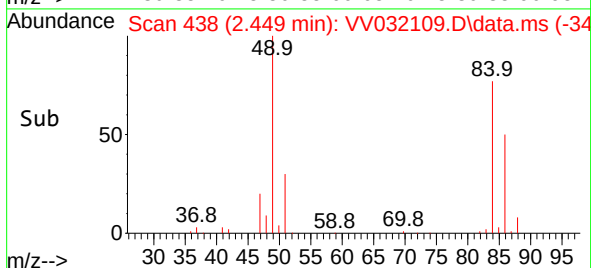
Tgt Ion: 43 Resp: 104600
Ion Ratio Lower Upper
43 100
74 22.2 17.9 26.9

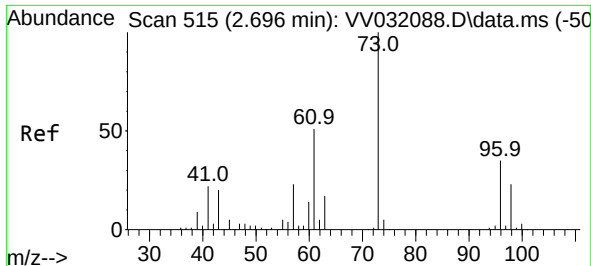


#16
Methylene chloride
Concen: 52.536 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44



Tgt Ion: 84 Resp: 84593
Ion Ratio Lower Upper
84 100
86 64.3 44.6 82.8
49 129.5 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 48.275 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :

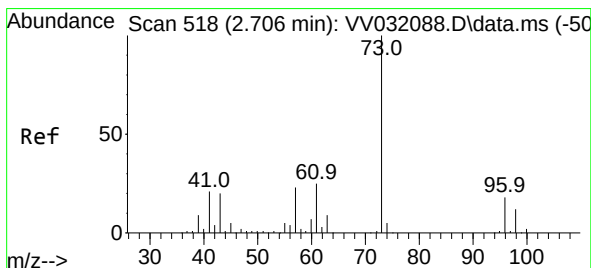
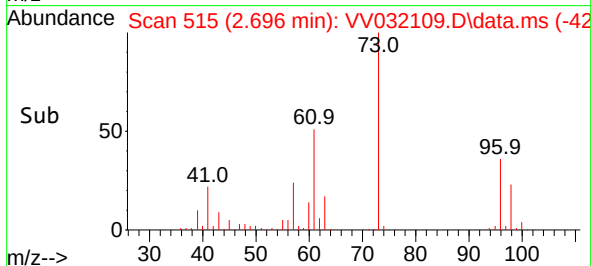
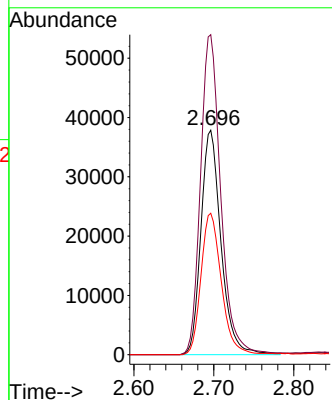
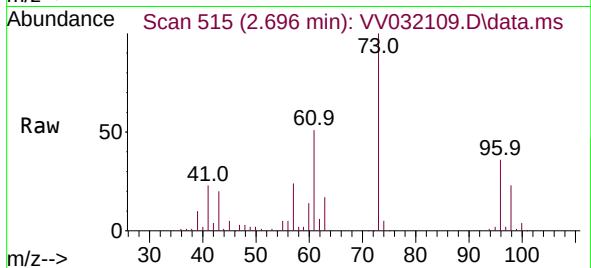
Tgt Ion: 96 Resp: 66317

Ion Ratio Lower Upper

96 100

61 142.6 107.3 199.3

98 63.0 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 48.763 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

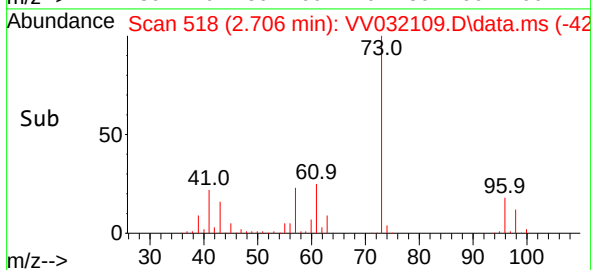
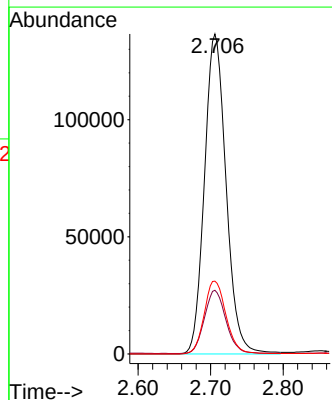
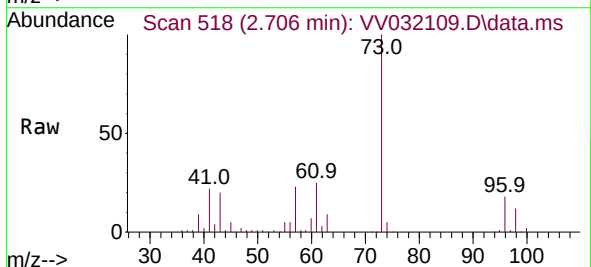
Tgt Ion: 73 Resp: 283106

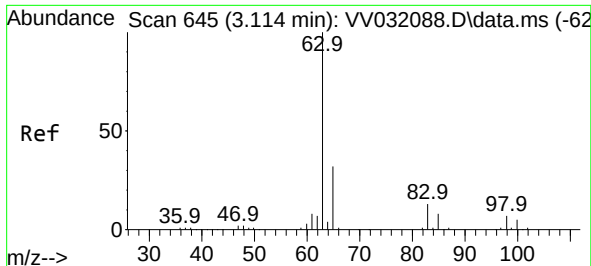
Ion Ratio Lower Upper

73 100

43 19.6 16.6 25.0

57 23.1 17.6 26.4

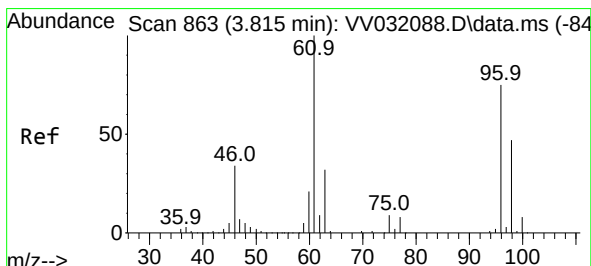
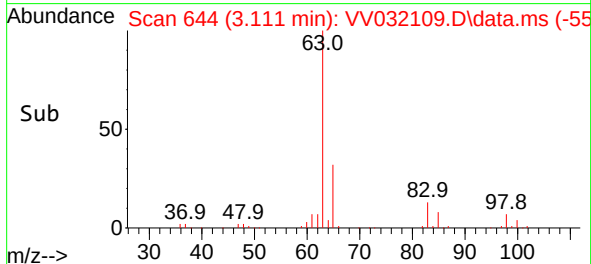
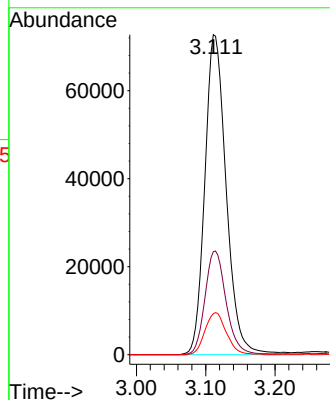
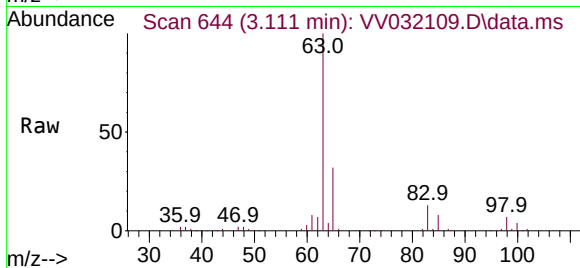




#19
1,1-Dichloroethane
Concen: 50.473 ug/L
RT: 3.111 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

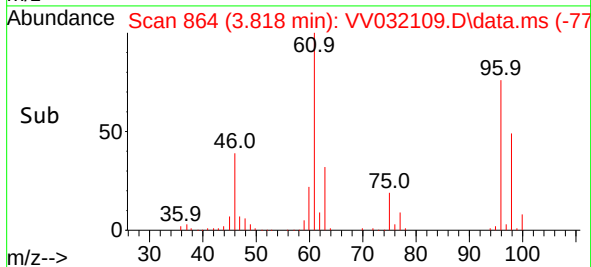
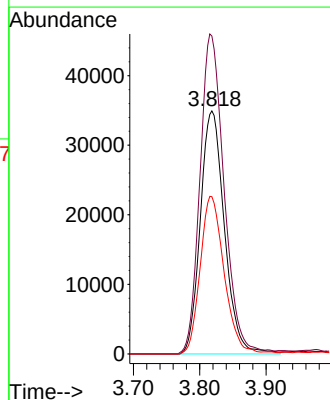
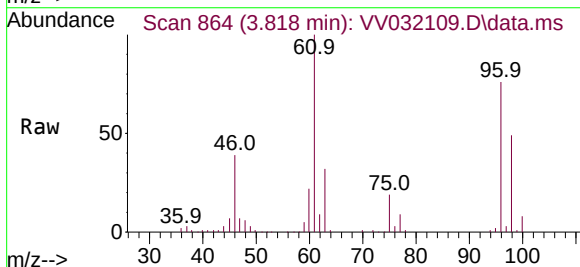
Instrument :
MSVOA_V
ClientSampleId :

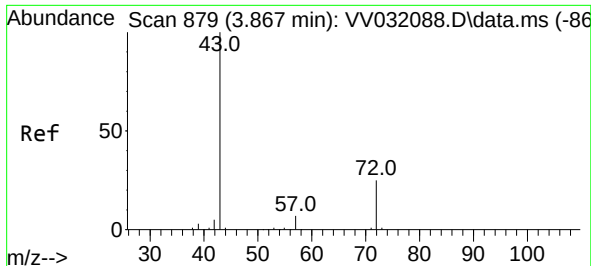
Tgt Ion: 63 Resp: 155387
Ion Ratio Lower Upper
63 100
65 32.2 22.4 41.6
83 12.8 8.7 16.1



#20
cis-1,2-Dichloroethene
Concen: 51.178 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion: 96 Resp: 88204
Ion Ratio Lower Upper
96 100
61 130.8 97.3 180.7
98 64.7 45.3 84.1

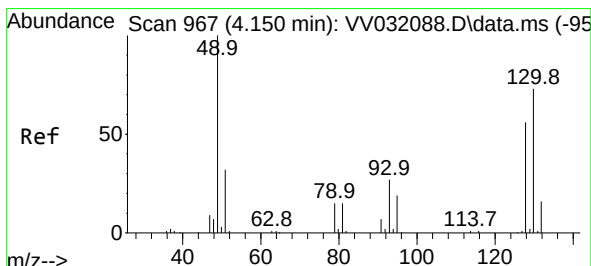
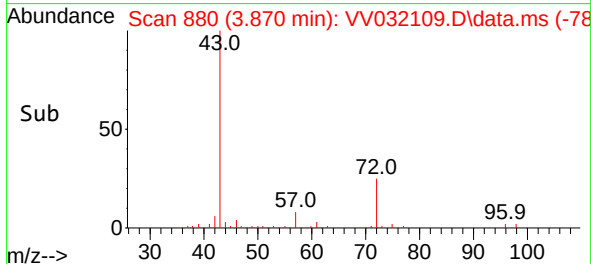
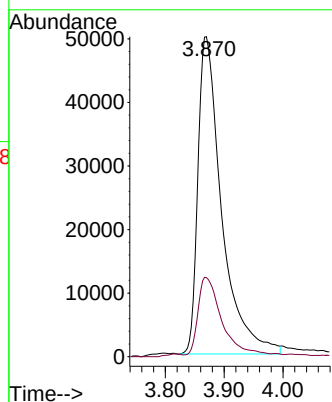
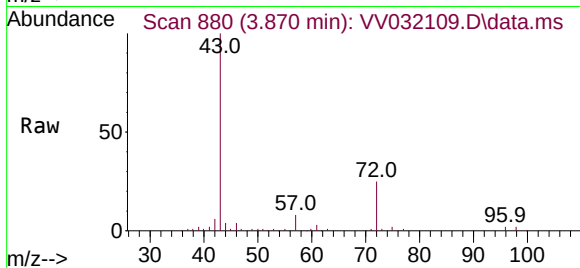




#22
2-Butanone
Concen: 101.177 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

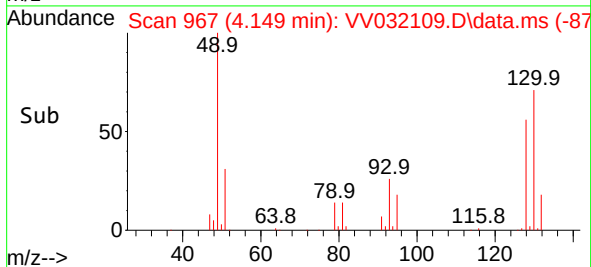
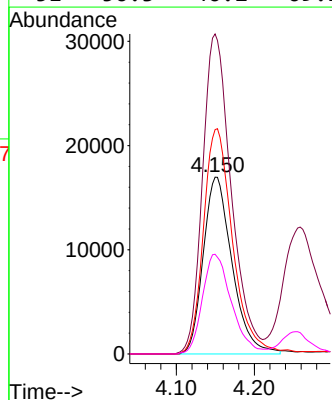
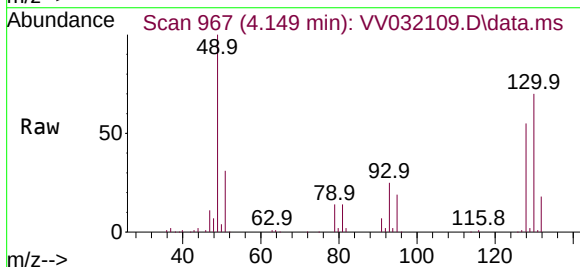
Instrument :
MSVOA_V
ClientSampleId :

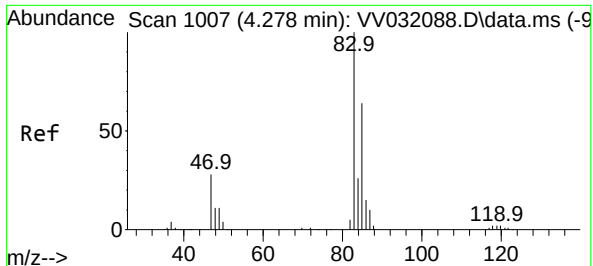
Tgt Ion: 43 Resp: 140228
Ion Ratio Lower Upper
43 100
72 24.4 12.6 37.8



#23
Bromochloromethane
Concen: 52.202 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion:128 Resp: 43649
Ion Ratio Lower Upper
128 100
49 181.0 127.8 237.4
130 126.9 90.1 167.3
51 56.3 46.2 69.2

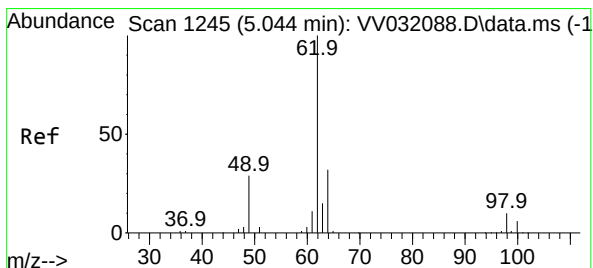
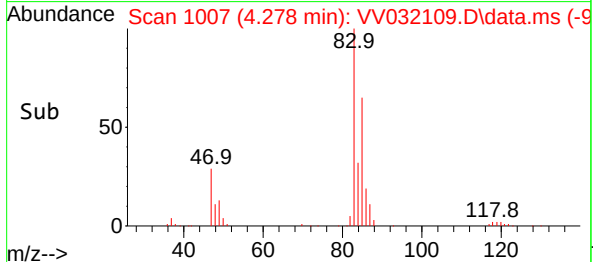
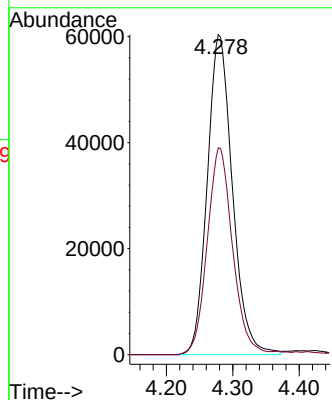
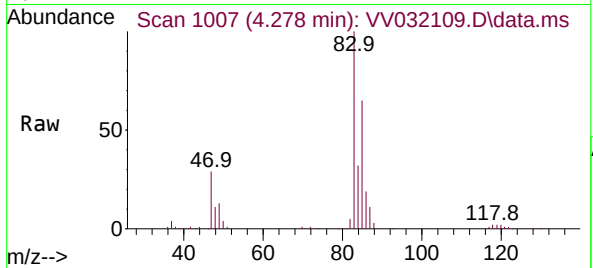




#25
Chloroform
Concen: 49.712 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

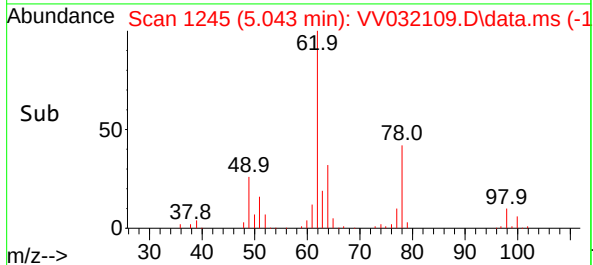
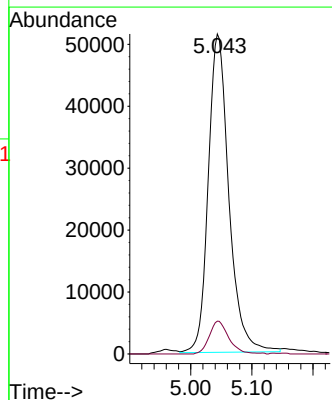
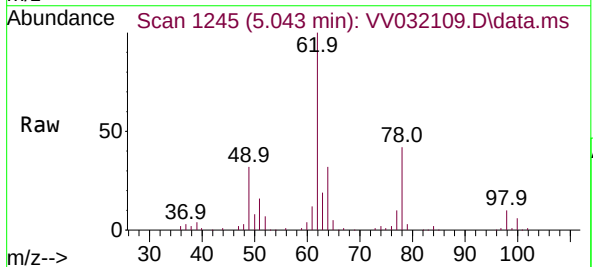
Instrument :
MSVOA_V
ClientSampleId :

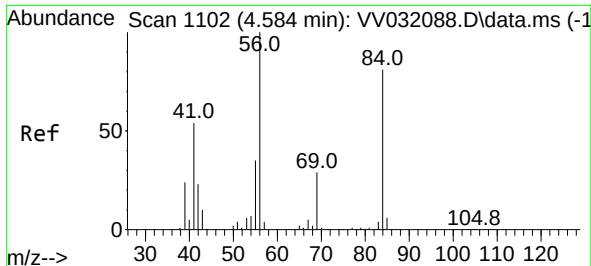
Tgt Ion: 83 Resp: 159122
Ion Ratio Lower Upper
83 100
85 64.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 47.765 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion: 62 Resp: 120449
Ion Ratio Lower Upper
62 100
98 10.3 7.0 10.4





#29

Cyclohexane

Concen: 46.079 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :

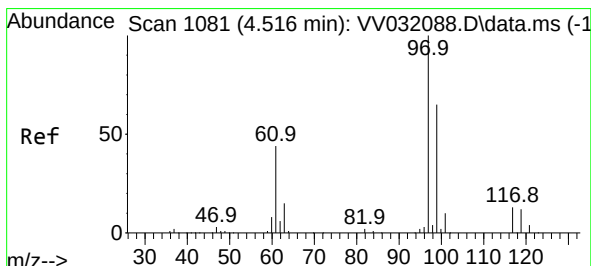
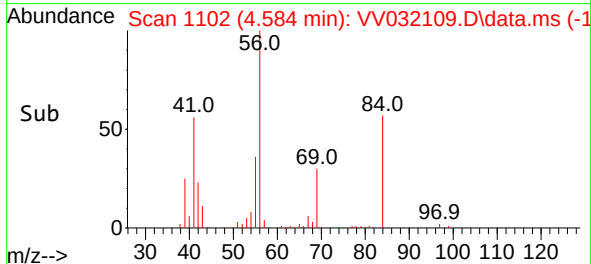
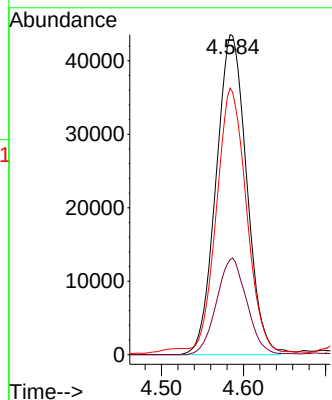
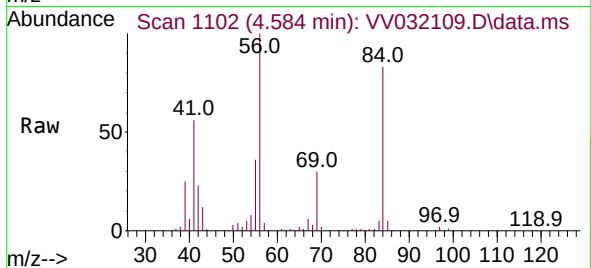
Tgt Ion: 56 Resp: 112683

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.4

84 80.4 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 47.419 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

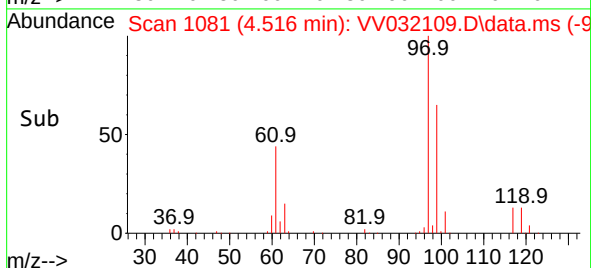
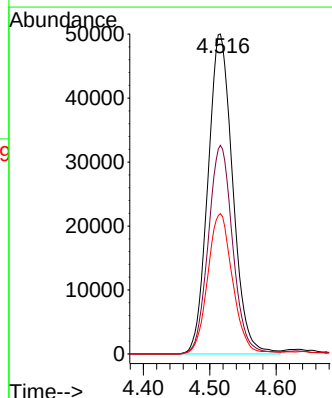
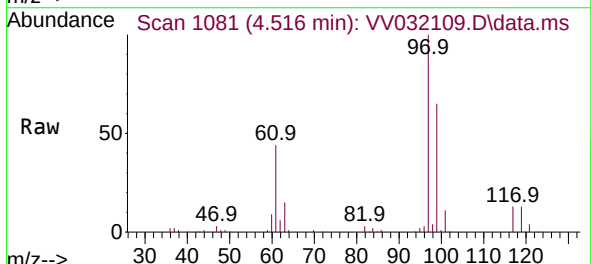
Tgt Ion: 97 Resp: 129908

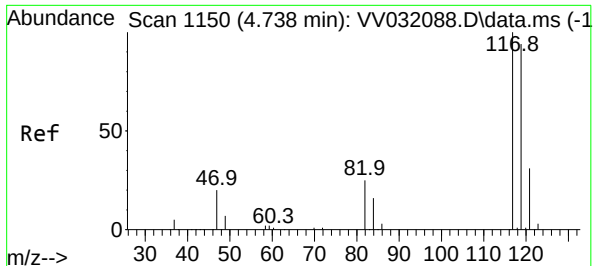
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 43.8 36.5 54.7

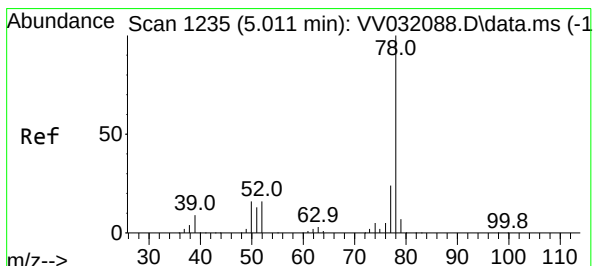
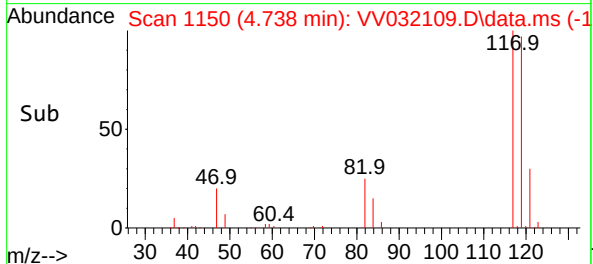
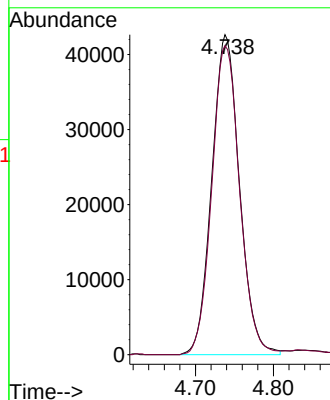
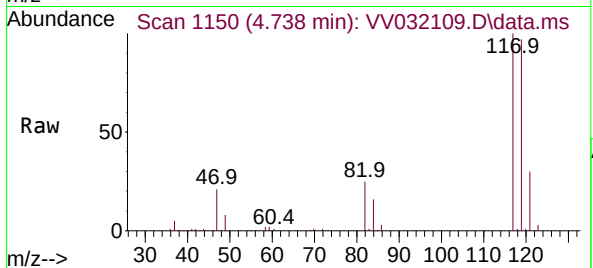




#31
Carbon tetrachloride
Concen: 45.311 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

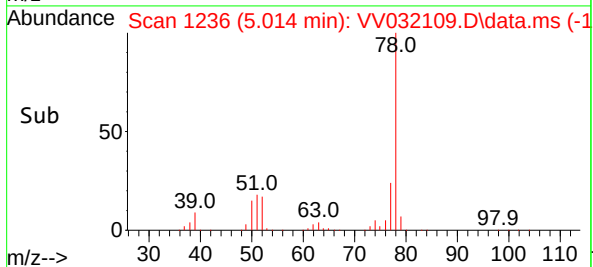
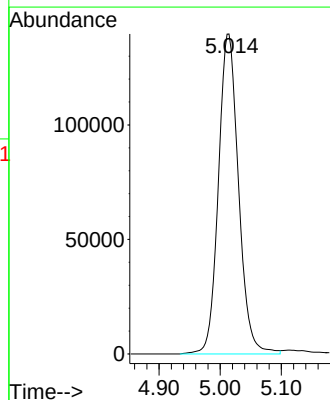
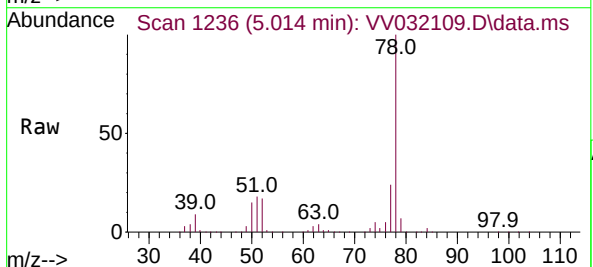
Instrument :
MSVOA_V
ClientSampleId :

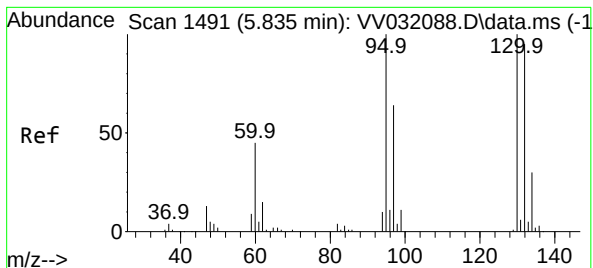
Tgt Ion:117 Resp: 105404
Ion Ratio Lower Upper
117 100
119 97.1 75.4 113.2



#33
Benzene
Concen: 50.676 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion: 78 Resp: 319800





#34

Trichloroethene

Concen: 43.697 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 84336

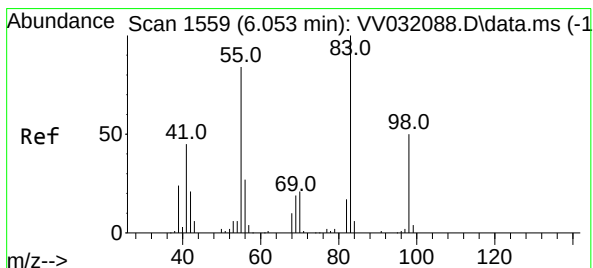
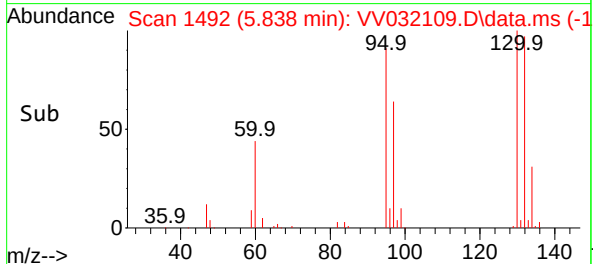
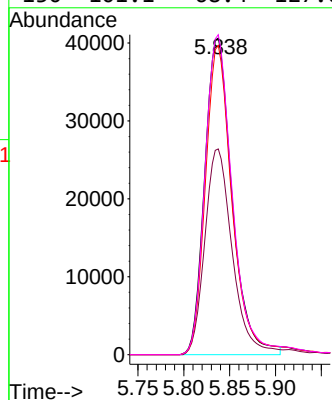
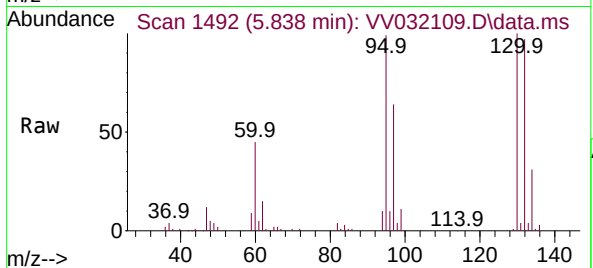
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.2

132 97.7 65.4 121.4

130 101.1 68.4 127.0



#35

Methylcyclohexane

Concen: 43.184 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

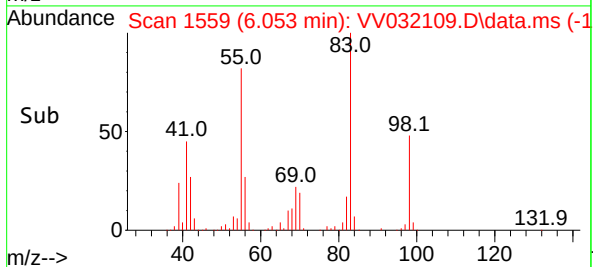
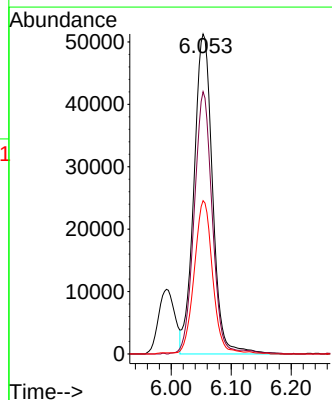
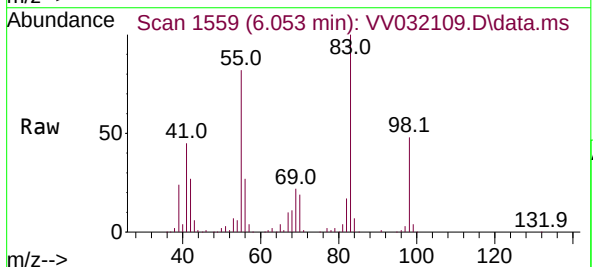
Tgt Ion: 83 Resp: 110859

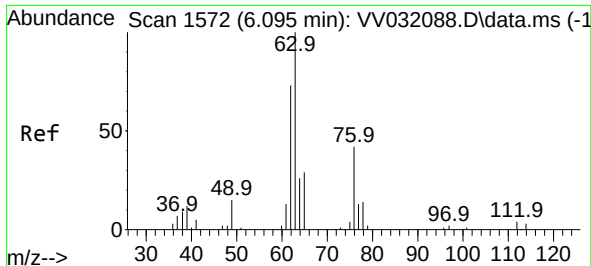
Ion Ratio Lower Upper

83 100

55 78.9 62.2 93.2

98 46.2 36.7 55.1





#37

1,2-Dichloropropane

Concen: 51.884 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

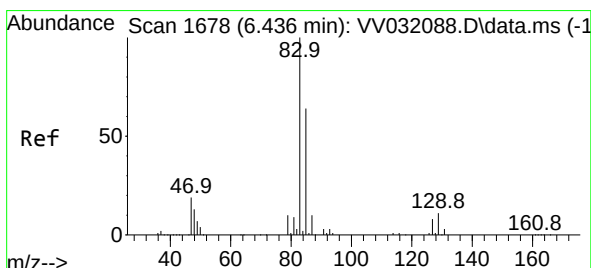
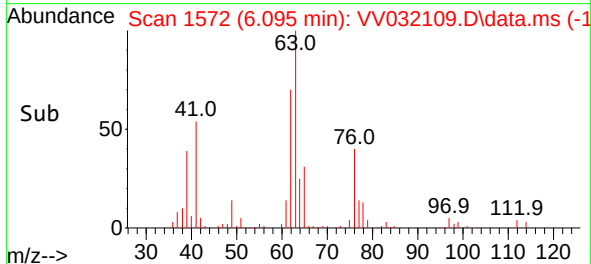
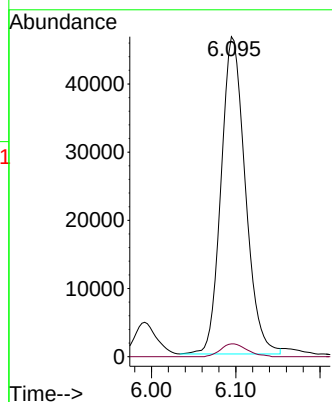
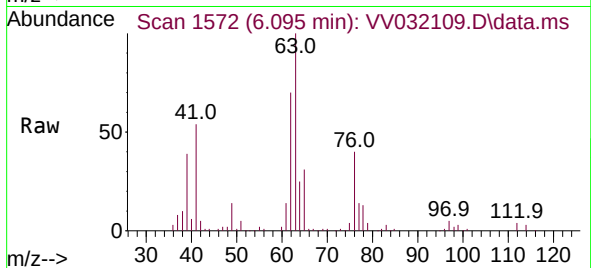
ClientSampleId :

Tgt Ion: 63 Resp: 92808

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 48.885 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

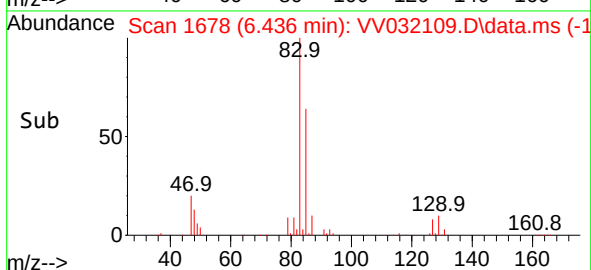
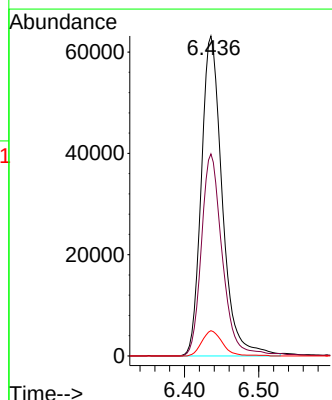
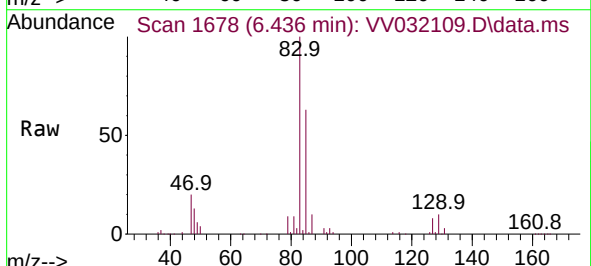
Tgt Ion: 83 Resp: 124118

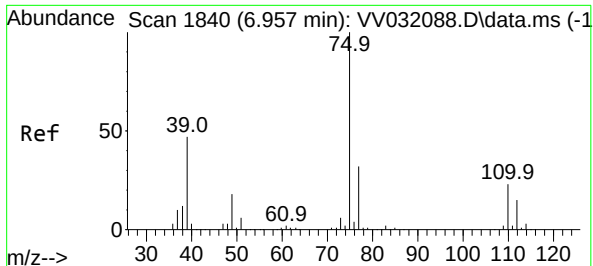
Ion Ratio Lower Upper

83 100

85 63.2 45.2 84.0

127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 46.160 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

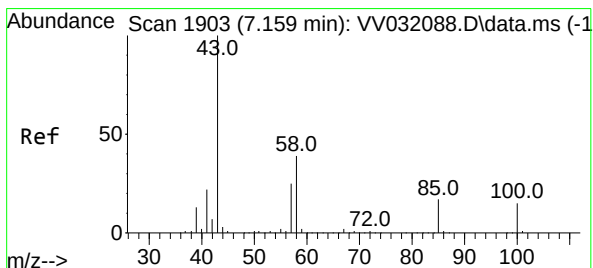
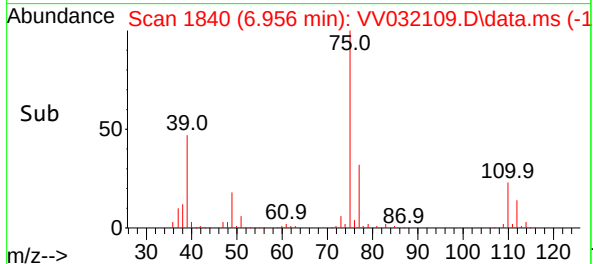
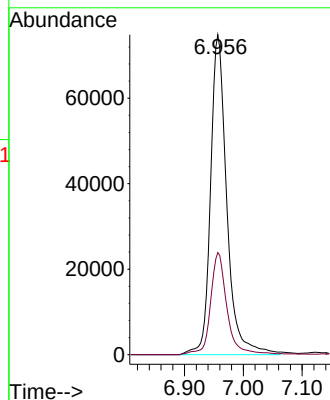
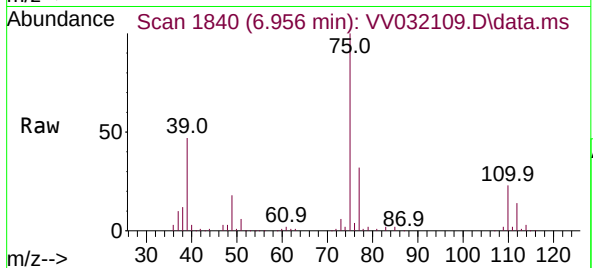
ClientSampleId :

Tgt Ion: 75 Resp: 143555

Ion Ratio Lower Upper

75 100

77 31.9 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 108.615 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

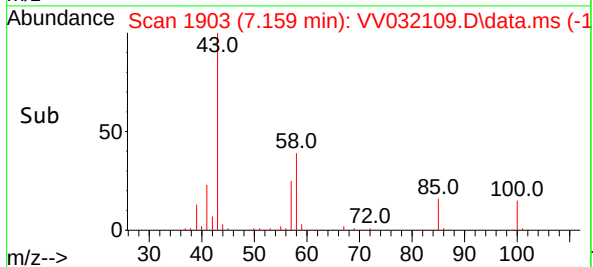
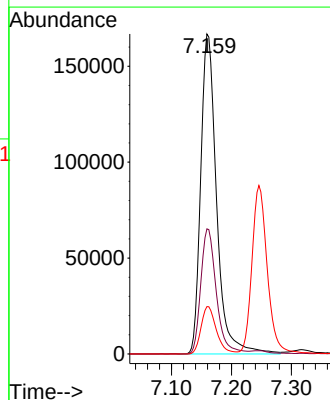
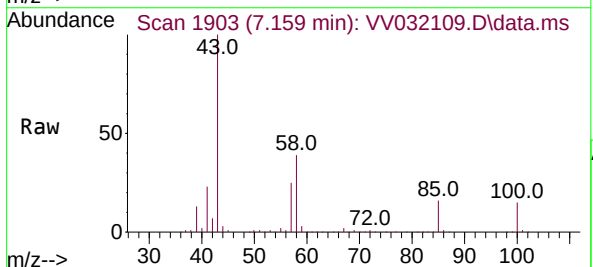
Tgt Ion: 43 Resp: 308369

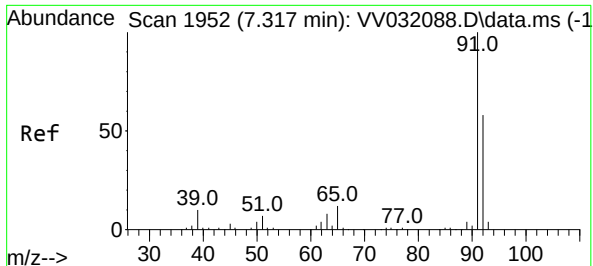
Ion Ratio Lower Upper

43 100

58 38.3 31.1 46.7

100 14.4 11.9 17.9





#42

Toluene

Concen: 49.032 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

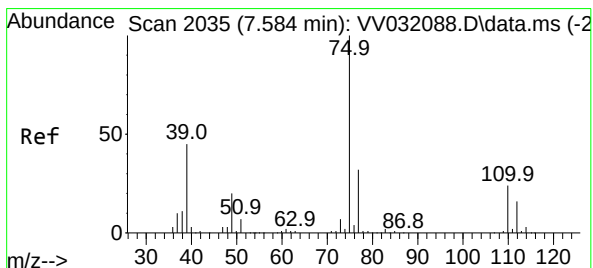
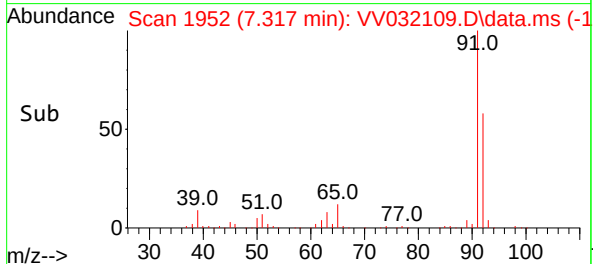
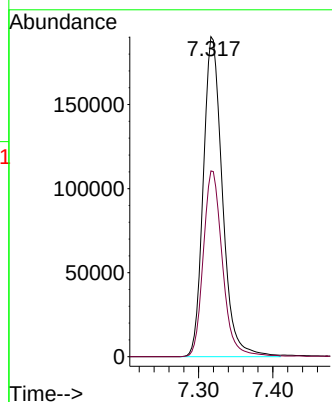
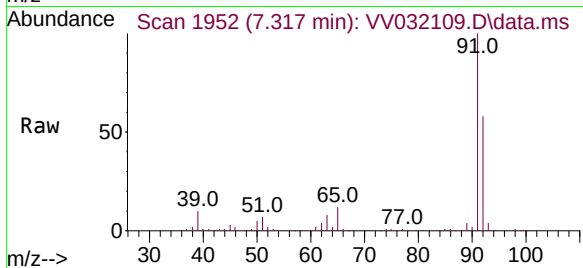
ClientSampleId :

Tgt Ion: 91 Resp: 340377

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 44.897 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032109.D

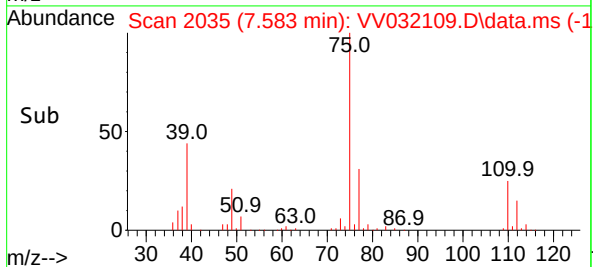
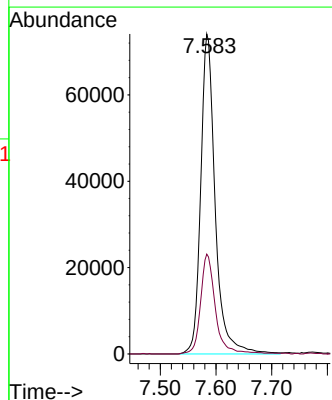
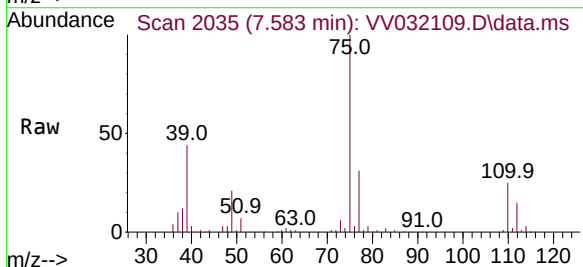
Acq: 14 Sep 2023 23:44

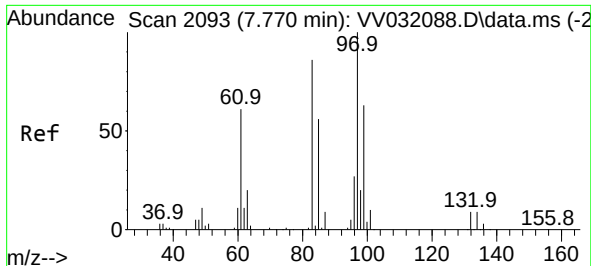
Tgt Ion: 75 Resp: 134154

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 52.862 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 95530

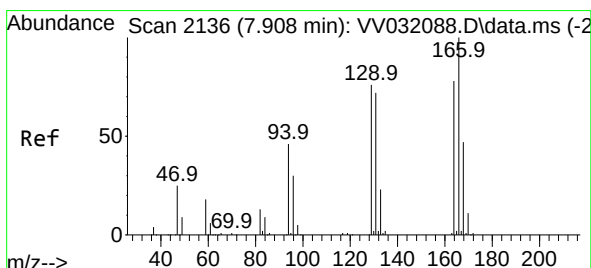
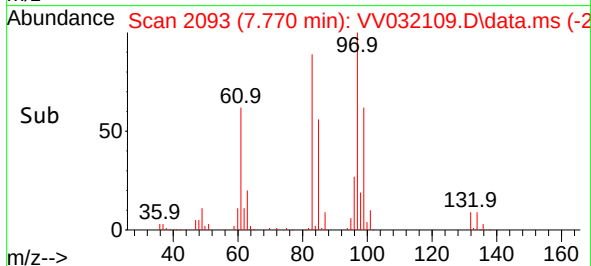
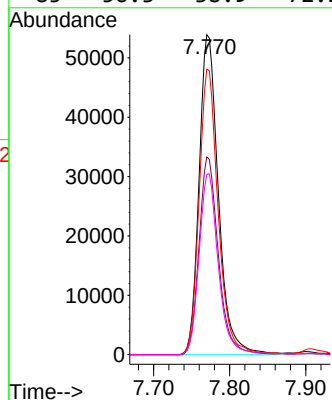
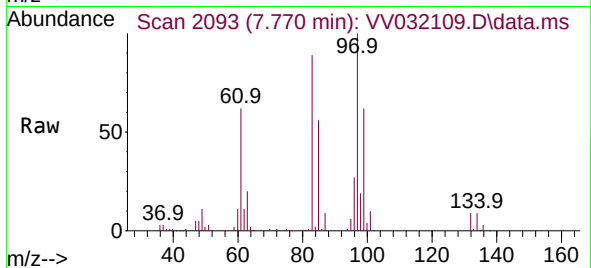
Ion Ratio Lower Upper

97 100

99 61.8 43.0 79.8

83 89.2 61.2 113.6

85 56.3 38.9 72.2



#46

Tetrachloroethene

Concen: 47.902 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Tgt Ion:164 Resp: 58051

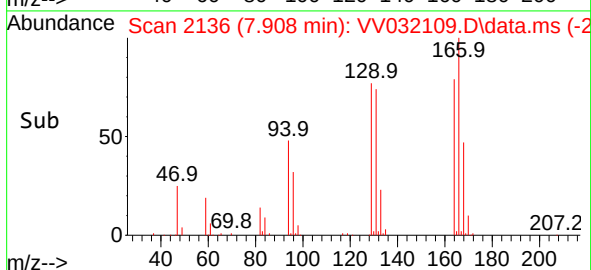
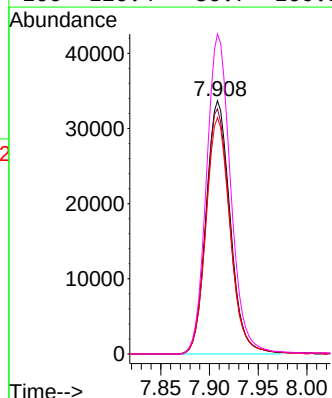
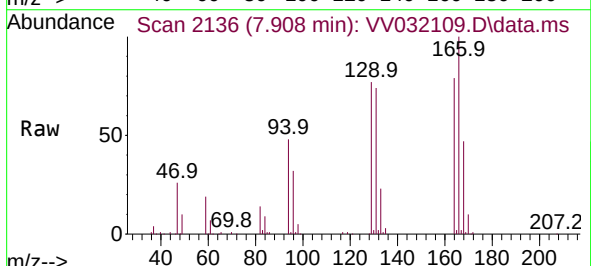
Ion Ratio Lower Upper

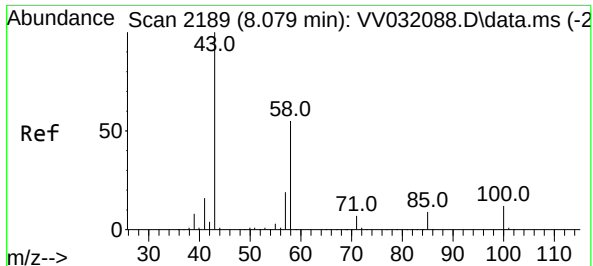
164 100

129 96.8 68.3 126.9

131 93.3 64.9 120.5

166 126.4 86.7 160.9

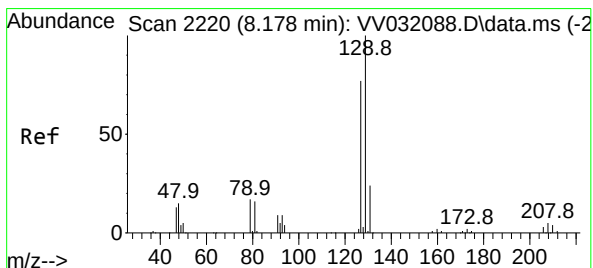
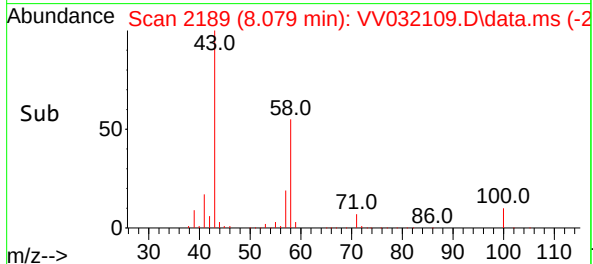
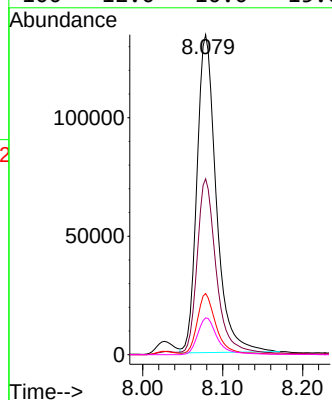
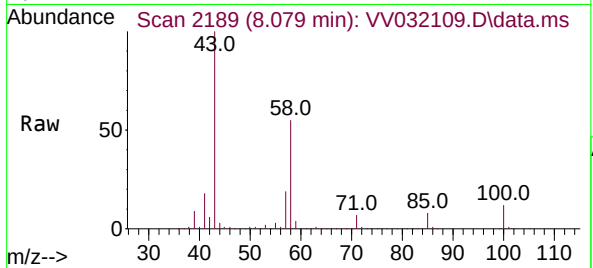




#48
2-Hexanone
Concen: 104.196 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

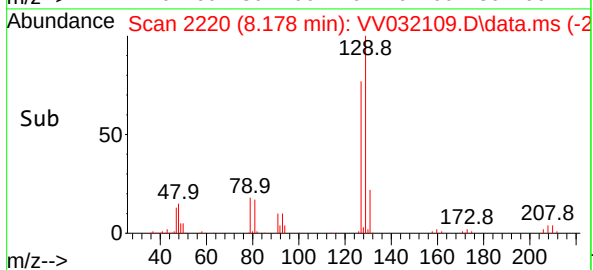
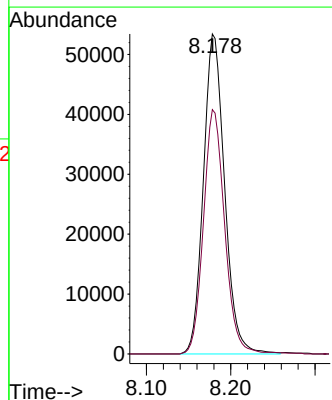
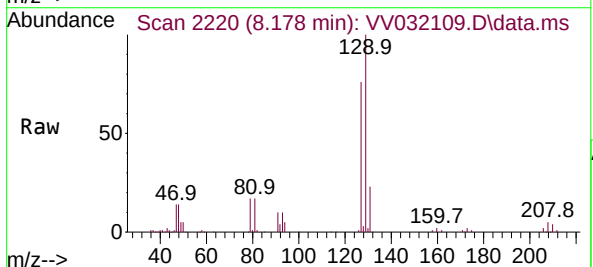
Instrument :
MSVOA_V
ClientSampleId :

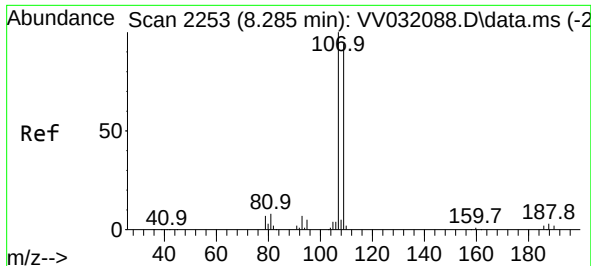
Tgt Ion: 43 Resp: 225910
Ion Ratio Lower Upper
43 100
58 54.3 44.0 66.0
57 18.8 15.9 23.9
100 12.0 10.0 15.0



#49
Dibromochloromethane
Concen: 50.462 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion: 129 Resp: 93709
Ion Ratio Lower Upper
129 100
127 76.3 54.7 101.7





#50

1,2-Dibromoethane

Concen: 50.782 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032109.D

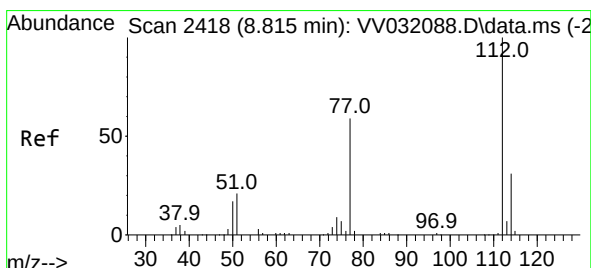
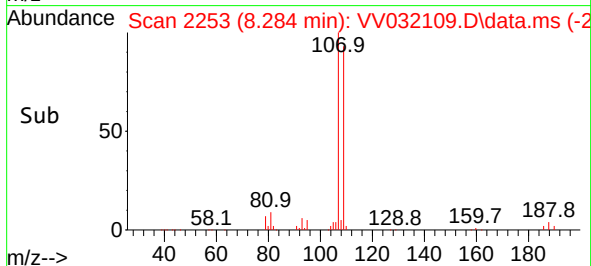
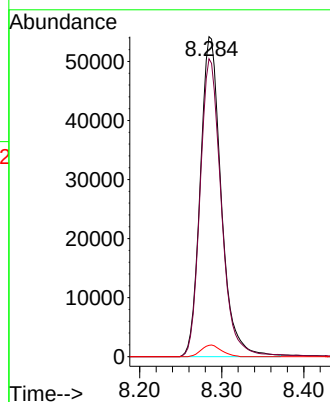
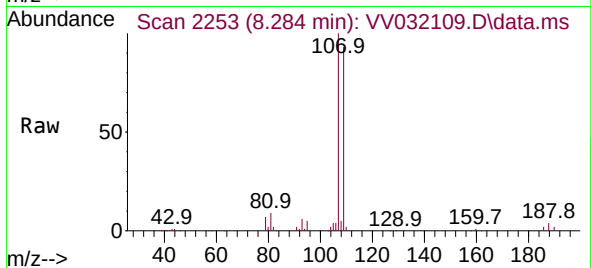
Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	96120
Ion	Ratio	Lower	Upper
107	100		
109	93.1	65.4	121.4
188	3.6	2.8	4.2



#51

Chlorobenzene

Concen: 50.180 ug/L

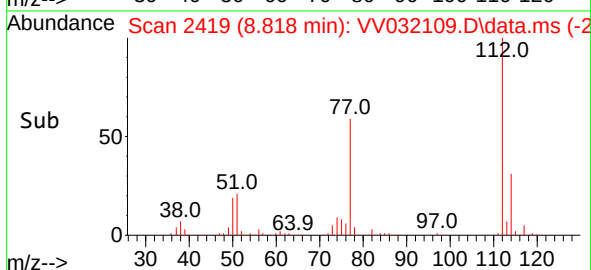
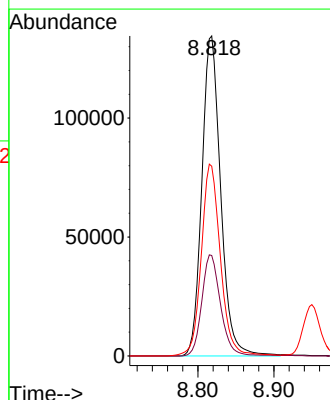
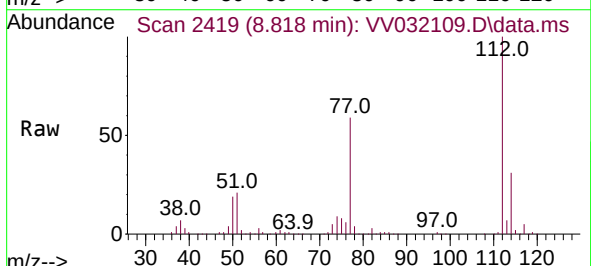
RT: 8.818 min Scan# 2419

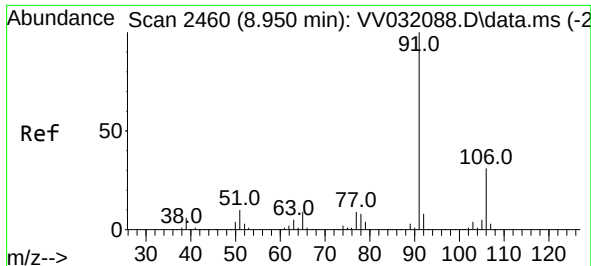
Delta R.T. 0.003 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Tgt Ion:	112	Resp:	231466
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.0	40.8
77	59.3	49.4	74.0





#52

Ethylbenzene

Concen: 48.017 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

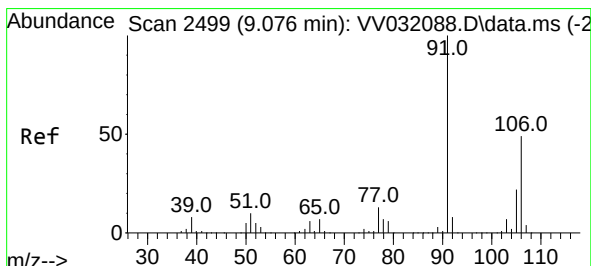
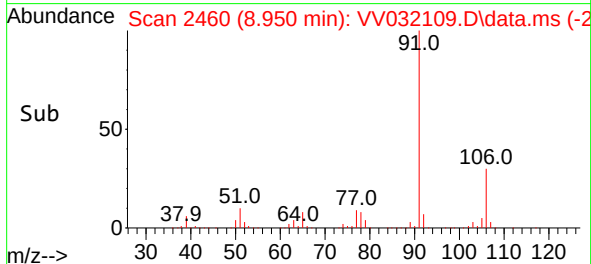
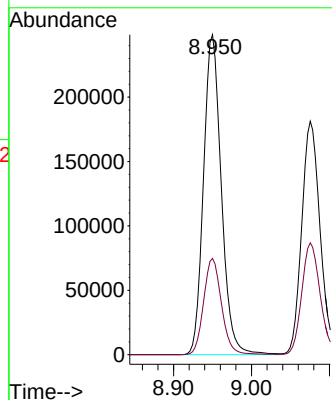
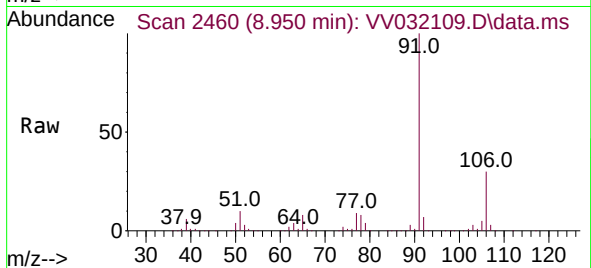
ClientSampleId :

Tgt Ion: 91 Resp: 394845

Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



#53

m,p-Xylene

Concen: 46.850 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. -0.000 min

Lab File: VV032109.D

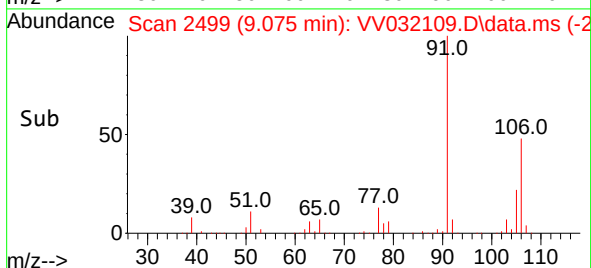
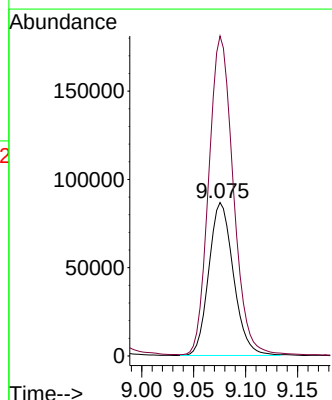
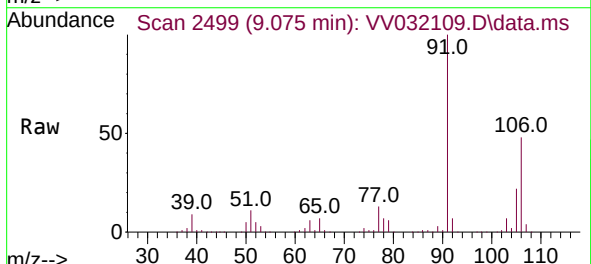
Acq: 14 Sep 2023 23:44

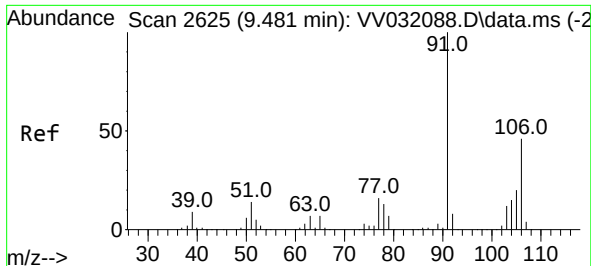
Tgt Ion:106 Resp: 143043

Ion Ratio Lower Upper

106 100

91 208.5 147.0 273.0

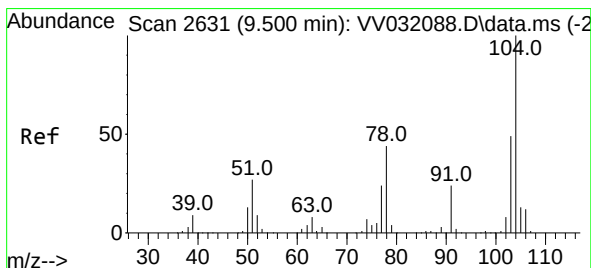
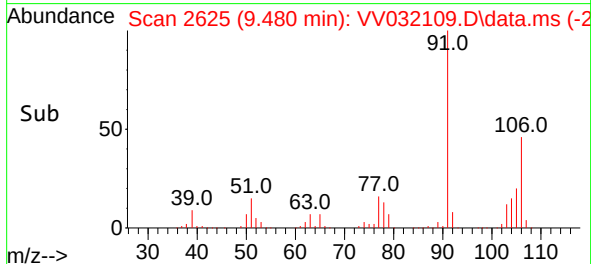
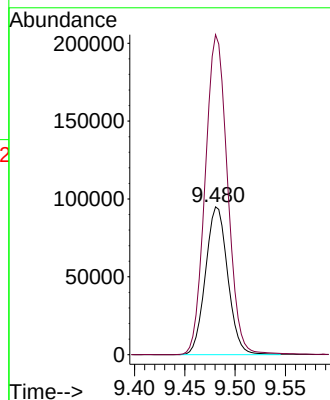
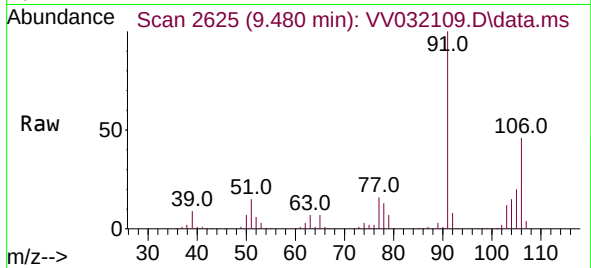




#54
o-Xylene
Concen: 48.132 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

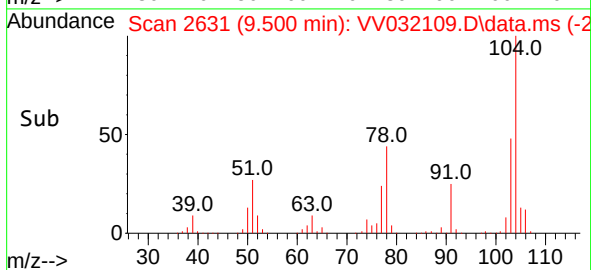
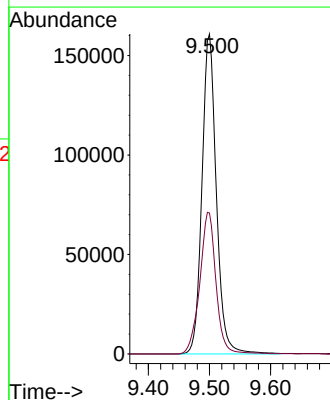
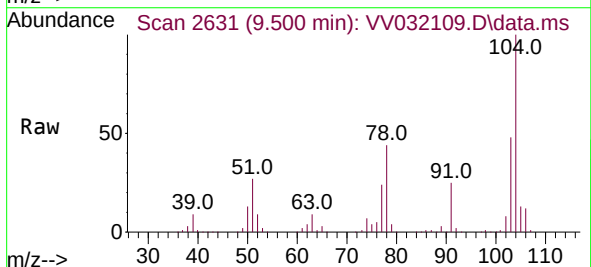
Instrument :
MSVOA_V
ClientSampleId :

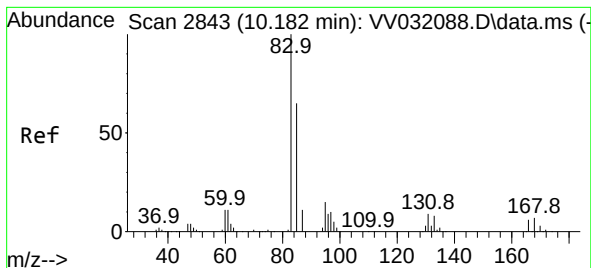
Tgt Ion:106 Resp: 146159
Ion Ratio Lower Upper
106 100
91 216.4 154.3 286.5



#55
Styrene
Concen: 48.932 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion:104 Resp: 262677
Ion Ratio Lower Upper
104 100
78 44.1 32.3 59.9

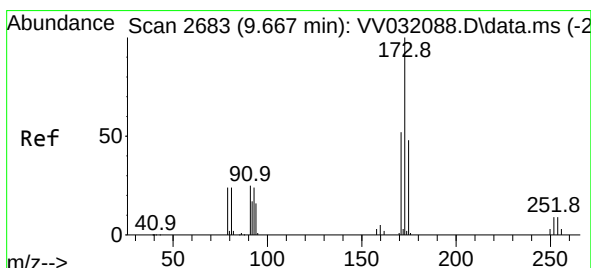
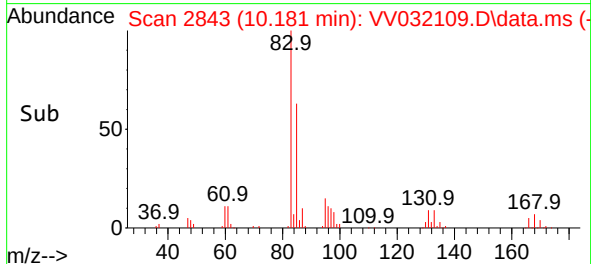
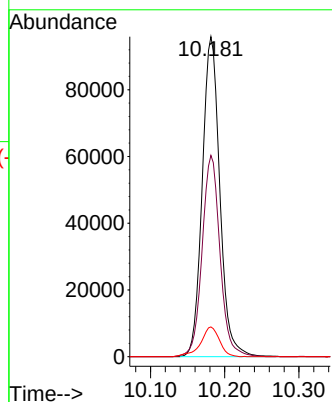
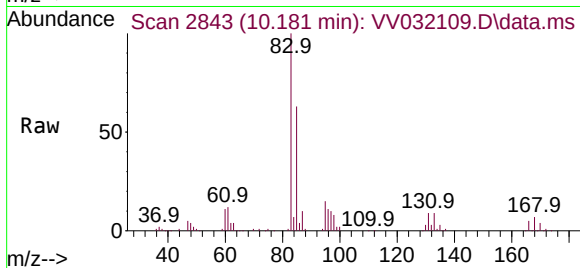




#57
1,1,2,2-Tetrachloroethane
Concen: 61.640 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

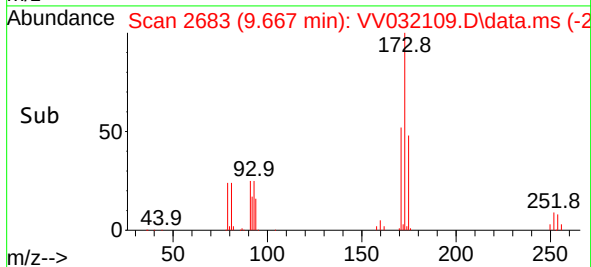
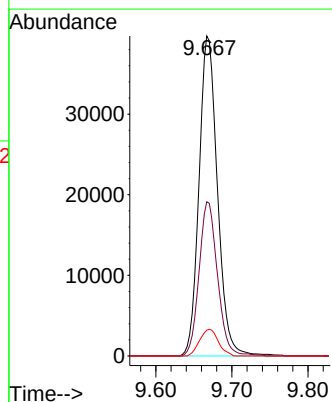
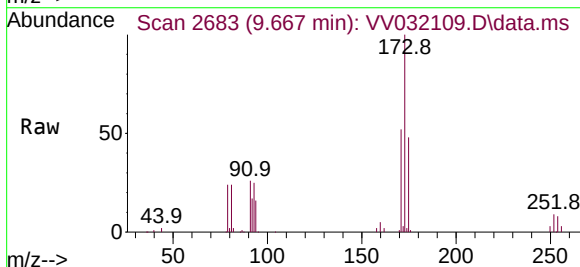
Instrument :
MSVOA_V
ClientSampleId :

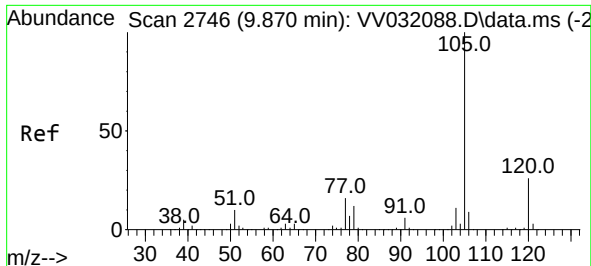
Tgt Ion: 83 Resp: 157688
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.9
131 9.3 7.4 11.2



#59
Bromoform
Concen: 51.243 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion: 173 Resp: 66969
Ion Ratio Lower Upper
173 100
175 47.7 38.3 57.5
254 8.5 6.9 10.3

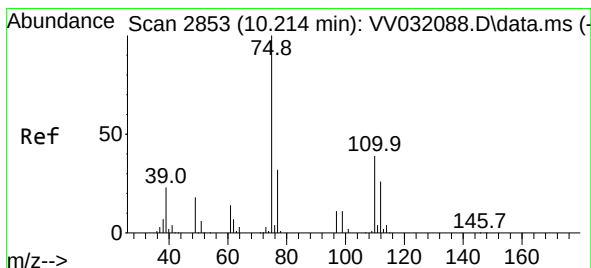
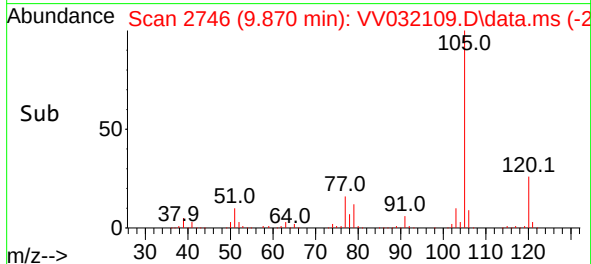
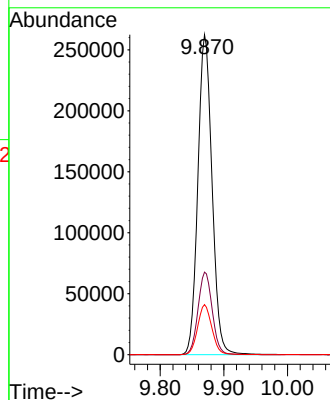
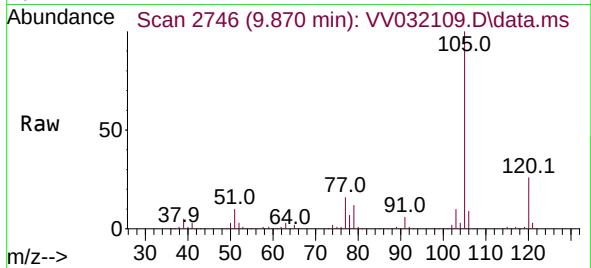




#60
Isopropylbenzene
Concen: 48.131 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

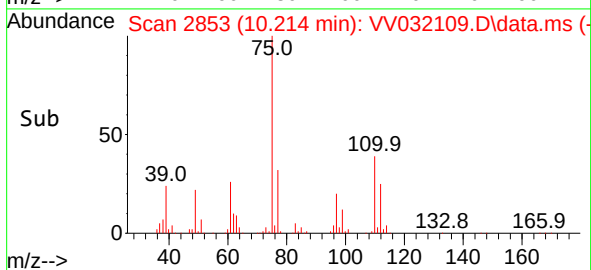
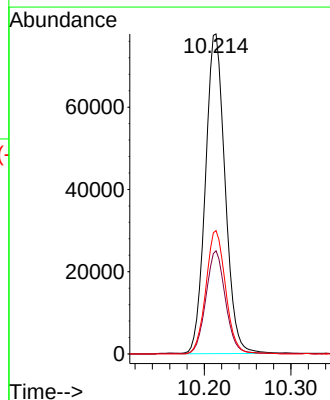
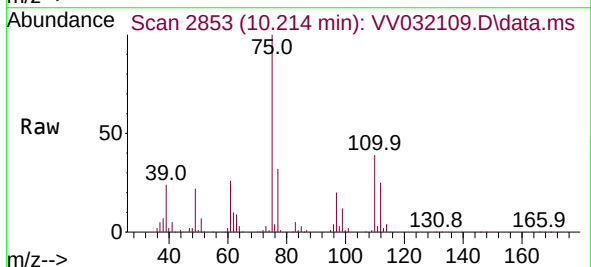
Instrument :
MSVOA_V
ClientSampleId :

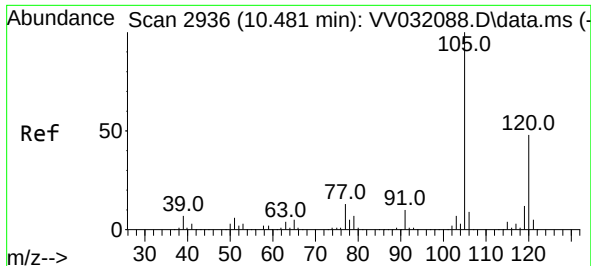
Tgt Ion:105 Resp: 406282
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 15.7 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 51.638 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion: 75 Resp: 122952
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
110 38.5 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 46.381 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

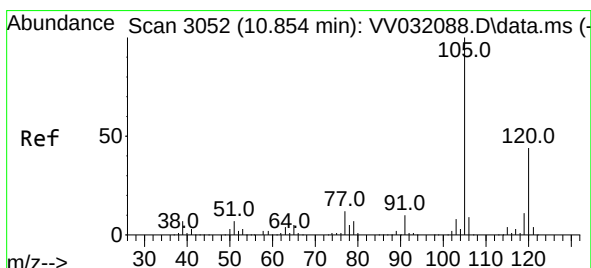
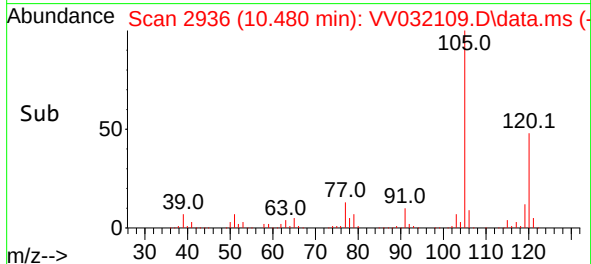
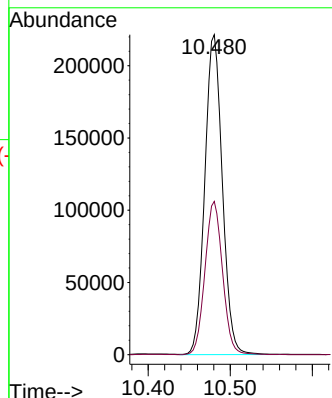
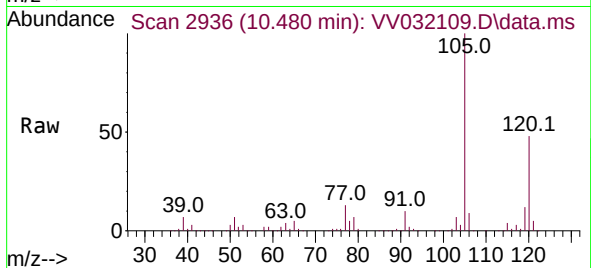
ClientSampleId :

Tgt Ion:105 Resp: 329376

Ion Ratio Lower Upper

105 100

120 48.1 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 46.265 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032109.D

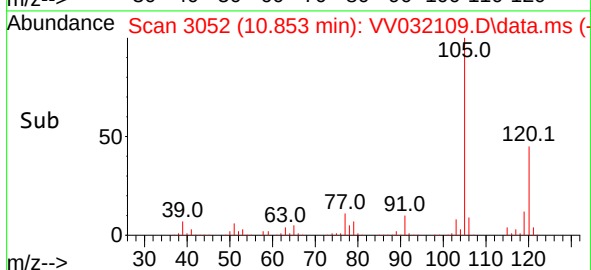
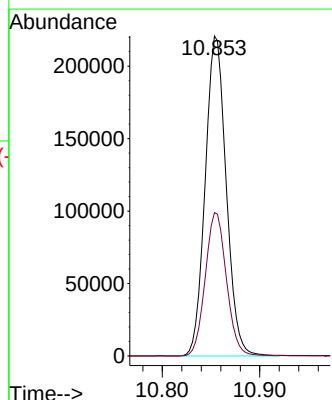
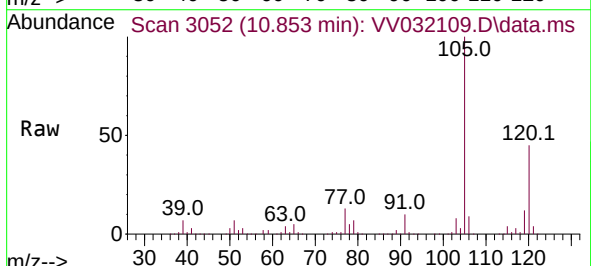
Acq: 14 Sep 2023 23:44

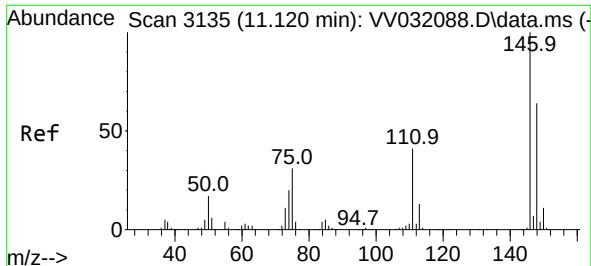
Tgt Ion:105 Resp: 330514

Ion Ratio Lower Upper

105 100

120 45.2 35.9 53.9

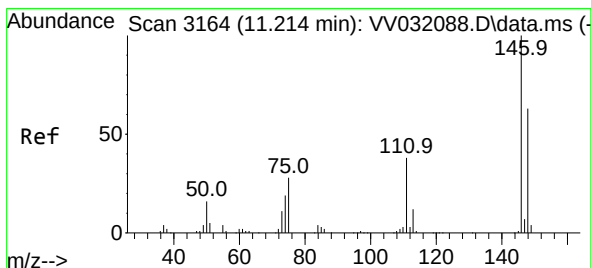
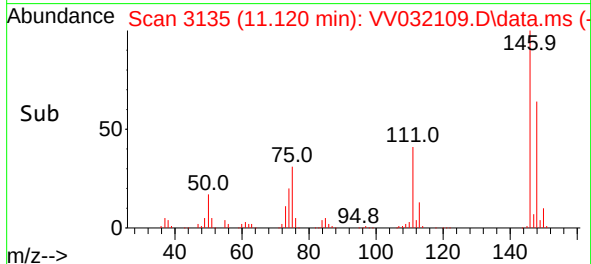
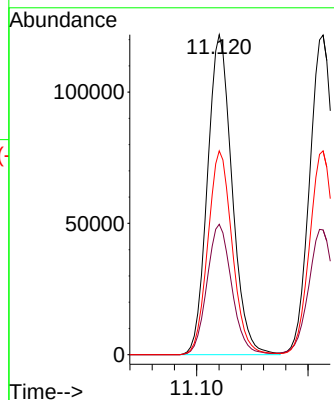
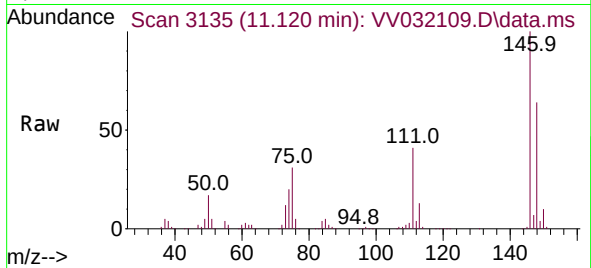




#64
1,3-Dichlorobenzene
Concen: 49.458 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

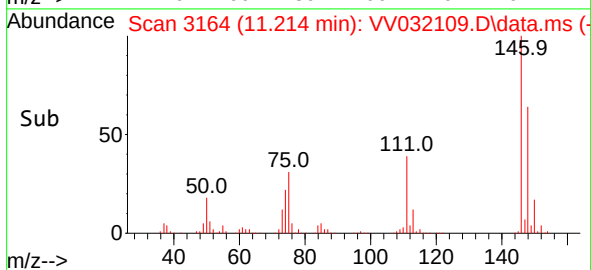
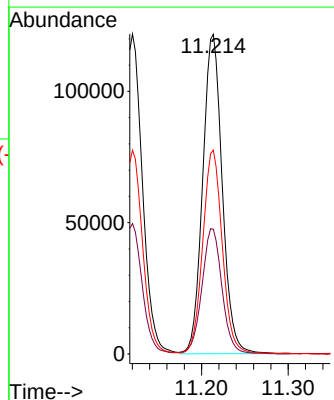
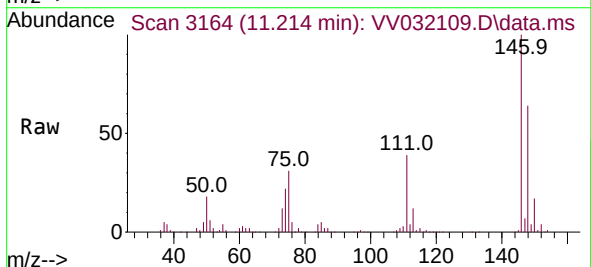
Instrument :
MSVOA_V
ClientSampleId :

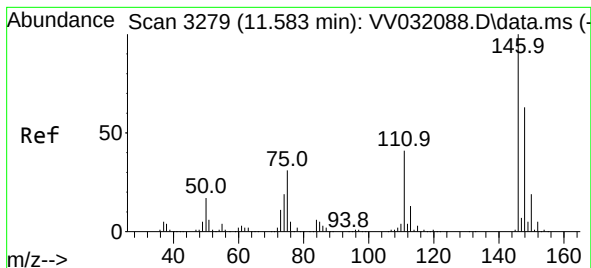
Tgt Ion:146 Resp: 187102
Ion Ratio Lower Upper
146 100
111 40.7 30.2 56.0
148 63.7 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 49.567 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion:146 Resp: 190671
Ion Ratio Lower Upper
146 100
111 39.1 28.5 52.9
148 63.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 51.187 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :

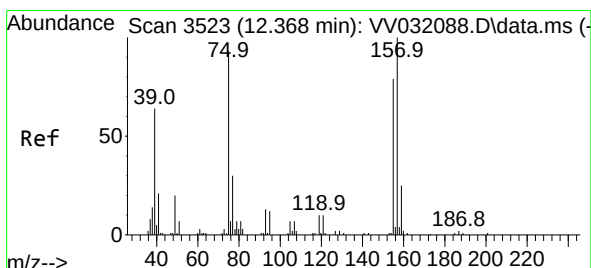
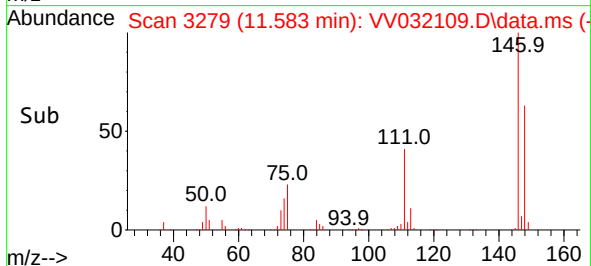
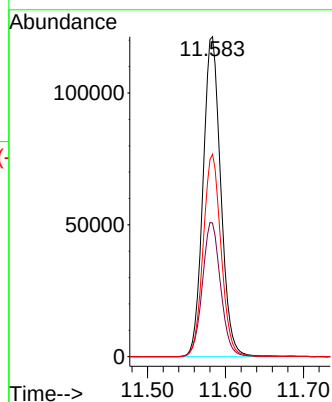
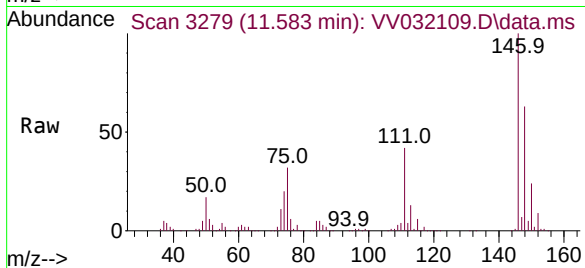
Tgt Ion:146 Resp: 191883

Ion Ratio Lower Upper

146 100

111 41.8 35.8 53.6

148 63.3 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 46.135 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

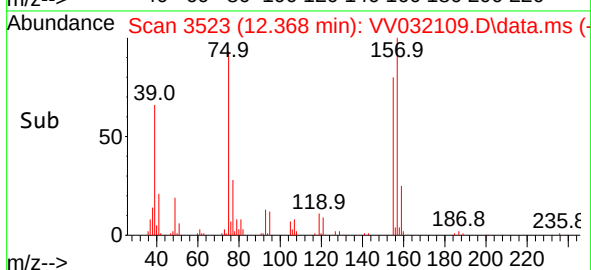
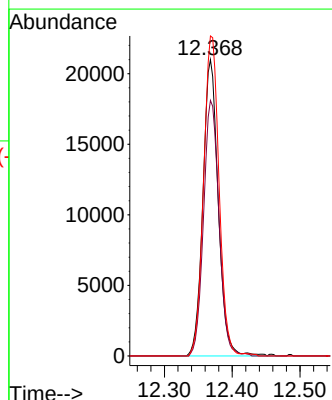
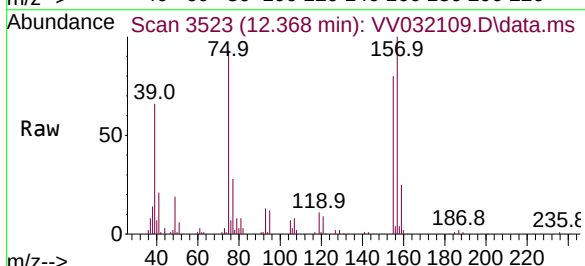
Tgt Ion: 75 Resp: 32996

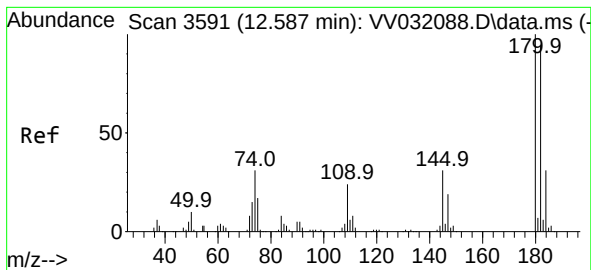
Ion Ratio Lower Upper

75 100

155 86.2 60.1 90.1

157 108.0 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 47.294 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

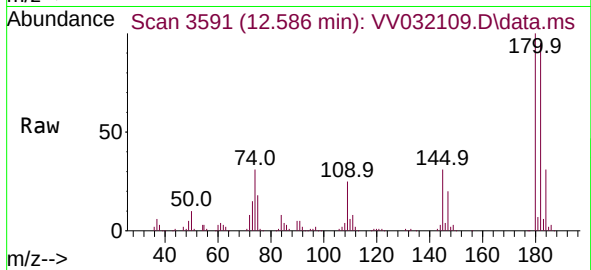
Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 130429

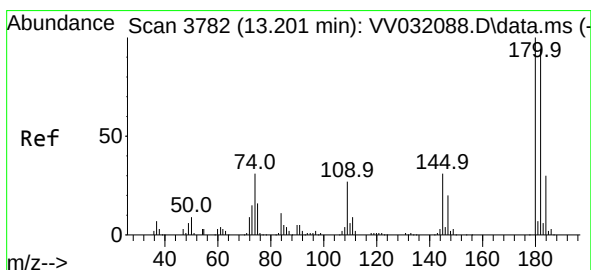
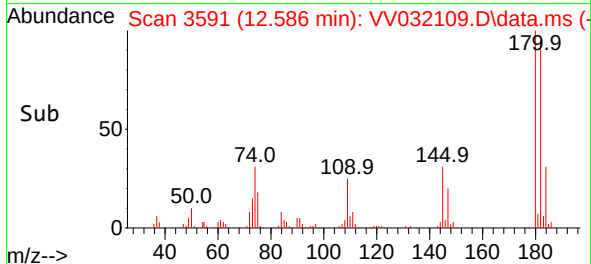
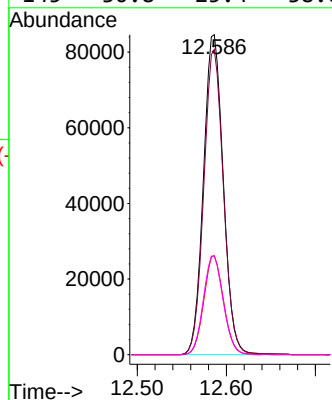
Ion Ratio Lower Upper

180 100

182 94.6 75.4 113.2

184 30.7 23.7 35.5

145 30.8 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 48.261 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032109.D

Acq: 14 Sep 2023 23:44

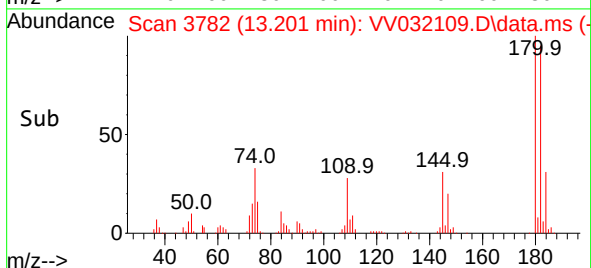
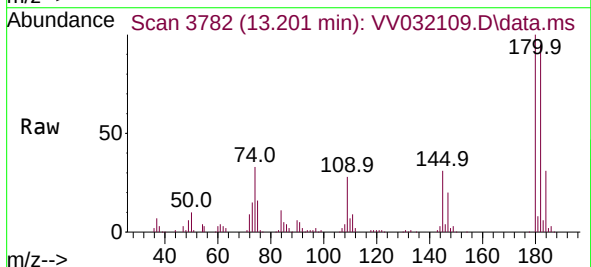
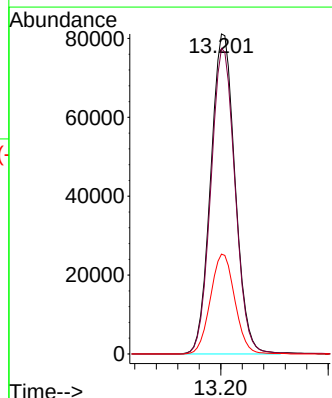
Tgt Ion:180 Resp: 127757

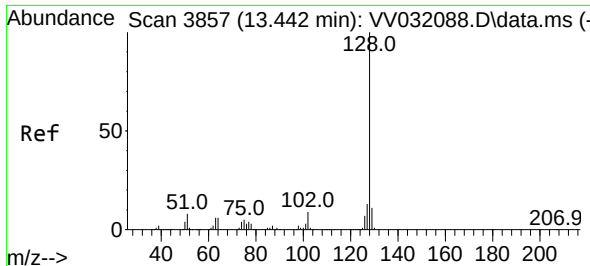
Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.2

145 31.2 26.0 39.0

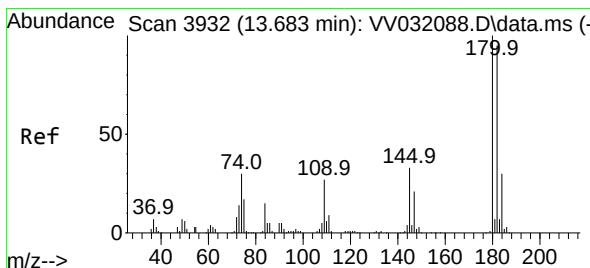
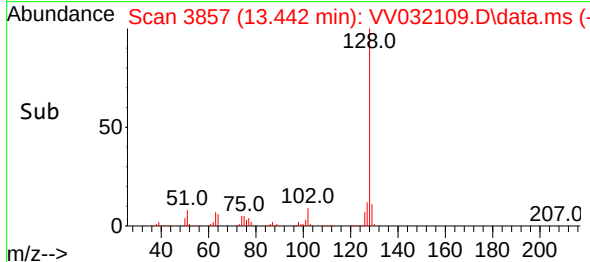
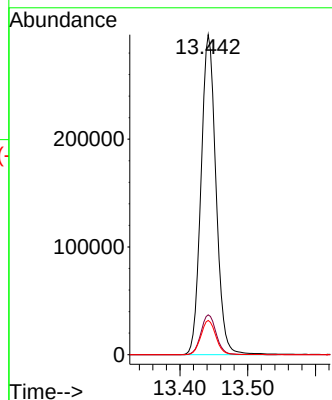
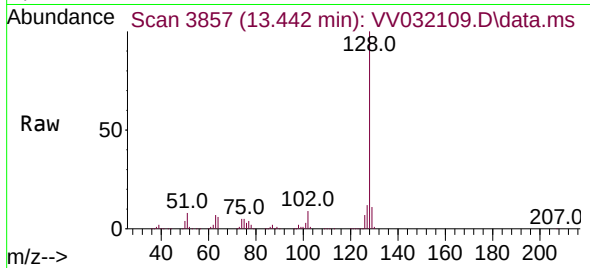




#71
Naphthalene
Concen: 53.971 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 456470
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 51.823 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032109.D
Acq: 14 Sep 2023 23:44

Tgt Ion:180 Resp: 131456
Ion Ratio Lower Upper
180 100
182 94.5 76.7 115.1
145 32.5 27.7 41.5

