

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091423\
 Data File : VW032105.D
 Acq On : 14 Sep 2023 22:10
 Operator : SY/MD
 Sample : 04439-04MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 15 08:06:44 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	234605	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	225862	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	122576	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	52176	35.536	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.080%
7) Chloroethane-d5	1.529	69	48739	37.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.740%
11) 1,1-Dichloroethene-d2	2.060	65	24099	35.053	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.100%
21) 2-Butanone-d5	3.789	46	130096	112.660	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.660%
24) Chloroform-d	4.252	84	138694	43.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.440%
26) 1,2-Dichloroethane-d4	4.944	65	84398	39.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.260%
32) Benzene-d6	4.963	84	253399	41.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.240%
36) 1,2-Dichloropropane-d6	5.992	67	86668	43.690	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.380%
41) Toluene-d8	7.246	98	226276	39.846	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.700%#
43) trans-1,3-Dichloroprop...	7.555	79	41919	40.771	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.540%
47) 2-Hexanone-d5	8.027	63	85436	140.520	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	140.520%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	141563	55.225	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.440%
66) 1,2-Dichlorobenzene-d4	11.564	152	98119	43.911	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	60003	42.012	ug/L	98
3) Chloromethane	1.214	50	69785	47.917	ug/L	99
5) Vinyl chloride	1.282	62	72329	46.505	ug/L	98
6) Bromomethane	1.484	94	42705	46.634	ug/L	98
8) Chloroethane	1.545	64	48701	47.116	ug/L	100
9) Trichlorofluoromethane	1.712	101	105777	46.655	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	65446	47.809	ug/L	98
12) 1,1-Dichloroethene	2.069	96	56757	46.160	ug/L	81
13) Acetone	2.111	43	85209	82.904	ug/L	100
14) Carbon disulfide	2.240	76	121182	43.253	ug/L	99
15) Methyl Acetate	2.372	43	92856	50.656	ug/L	99
16) Methylene chloride	2.449	84	80839	51.162	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	64762	48.042	ug/L	91
18) Methyl tert-butyl Ether	2.706	73	277344	48.681	ug/L	98
19) 1,1-Dichloroethane	3.114	63	153853	50.928	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	85718	50.684	ug/L	96
22) 2-Butanone	3.870	43	139883	102.853	ug/L	98
23) Bromochloromethane	4.150	128	41831	50.982	ug/L	99
25) Chloroform	4.281	83	155739	49.583	ug/L	98

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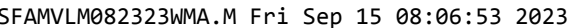
Instrument :
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 ClientSampleId :

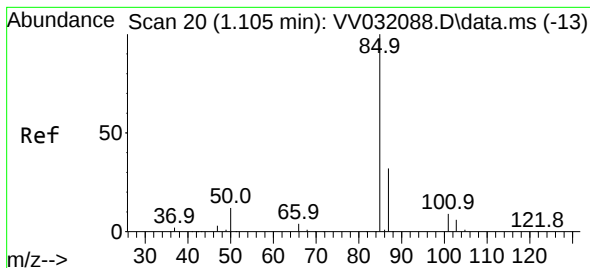
Quant Time: Sep 15 08:06:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	115494	46.673	ug/L	97
29) Cyclohexane	4.584	56	108196	46.008	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	127465	48.382	ug/L	99
31) Carbon tetrachloride	4.738	117	103301	46.177	ug/L	99
33) Benzene	5.011	78	310261	51.125	ug/L	100
34) Trichloroethene	5.838	95	81599	43.965	ug/L	100
35) Methylcyclohexane	6.053	83	106567	43.168	ug/L	98
37) 1,2-Dichloropropane	6.098	63	89908	52.267	ug/L	100
38) Bromodichloromethane	6.436	83	122556	50.195	ug/L	97
39) cis-1,3-Dichloropropene	6.957	75	142248	47.564	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	303215	111.059	ug/L	99
42) Toluene	7.320	91	335716	50.289	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	129338	45.011	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	94821	54.562	ug/L	99
46) Tetrachloroethene	7.908	164	56552	48.526	ug/L	99
48) 2-Hexanone	8.079	43	225716	108.257	ug/L	97
49) Dibromochloromethane	8.178	129	91527	51.253	ug/L	97
50) 1,2-Dibromoethane	8.284	107	94596	51.970	ug/L	99
51) Chlorobenzene	8.818	112	222294	50.113	ug/L	98
52) Ethylbenzene	8.950	91	382521	48.373	ug/L	99
53) m,p-Xylene	9.075	106	140284	47.779	ug/L	96
54) o-Xylene	9.481	106	142497	48.797	ug/L	98
55) Styrene	9.500	104	251573	48.732	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	156879	63.769	ug/L	99
59) Bromoform	9.670	173	65127	51.237	ug/L	99
60) Isopropylbenzene	9.870	105	396467	48.291	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	119811	51.736	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	318818	46.158	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	322832	46.462	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	181309	49.277	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	185897	49.687	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	185891	50.985	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	31866	45.810	ug/L	87
69) 1,3,5-Trichlorobenzene	12.587	180	124829	46.538	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	120845	46.936	ug/L	99
71) Naphthalene	13.442	128	395306	48.056	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	123185	49.930	ug/L	98

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

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QLast Update : Fri Sep 15 08:00:54 2023
Response via : Initial Calibration

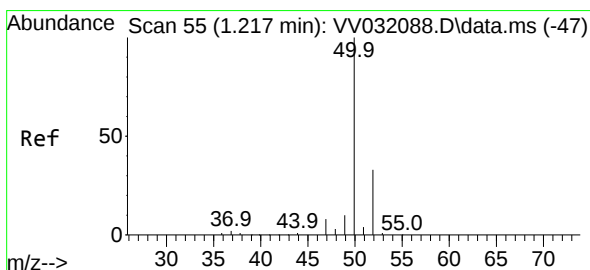
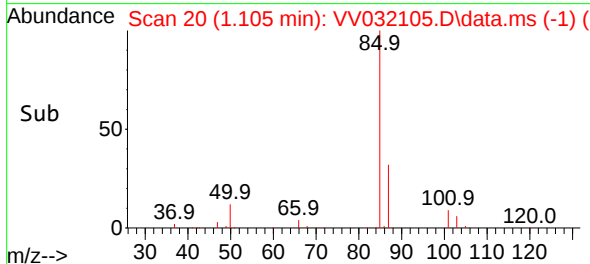
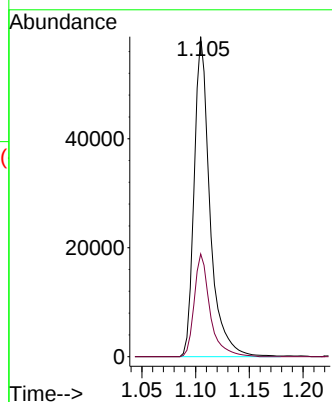
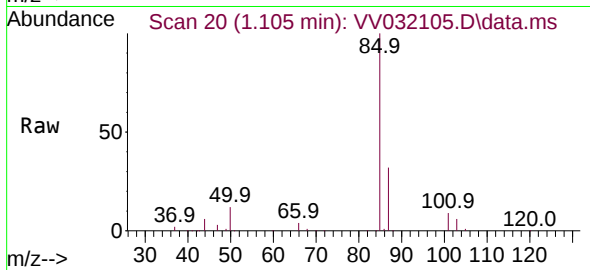




#2
 Dichlorodifluoromethane
 Concen: 42.012 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032105.D
 Acq: 14 Sep 2023 22:10

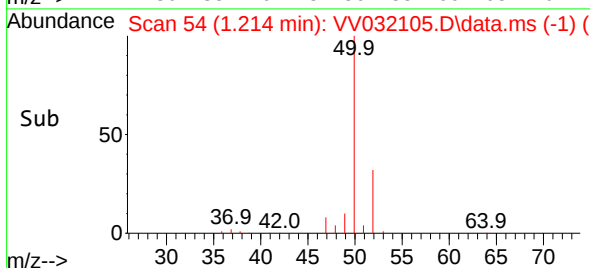
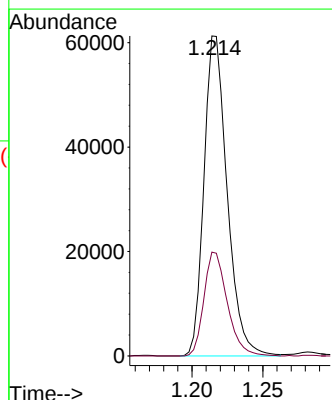
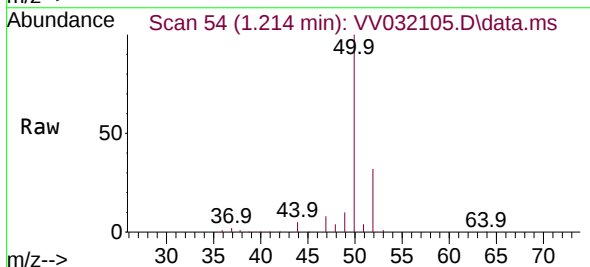
Instrument :
 MSVOA_V
 ClientSampleId :

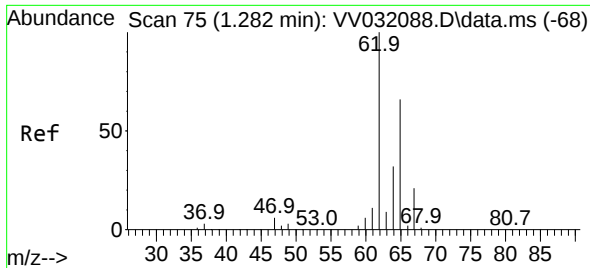
Tgt Ion: 85 Resp: 60003
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.8 40.2



#3
 Chloromethane
 Concen: 47.917 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032105.D
 Acq: 14 Sep 2023 22:10

Tgt Ion: 50 Resp: 69785
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.0 42.6



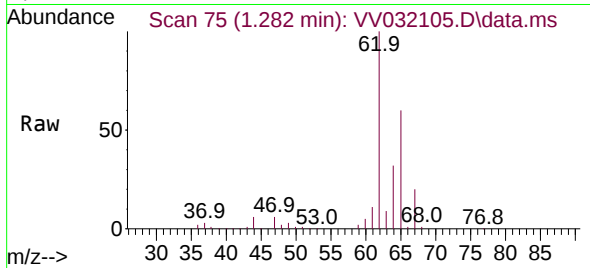


#5
 Vinyl chloride
 Concen: 46.505 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV032105.D
 Acq: 14 Sep 2023 22:10

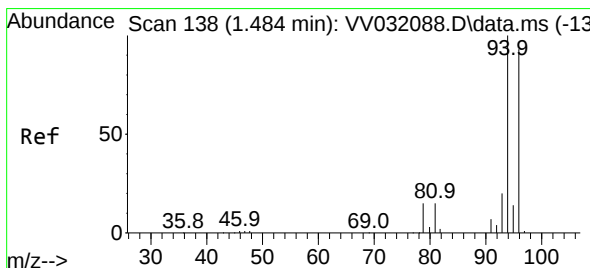
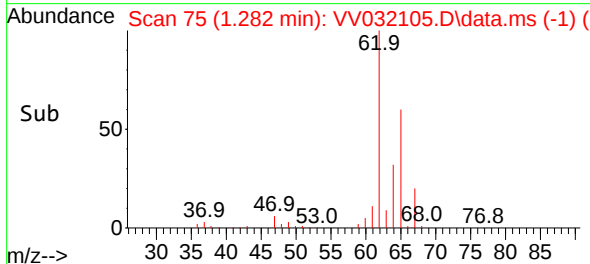
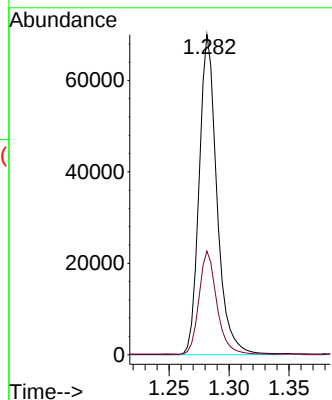
Instrument :

MSVOA_V

ClientSampleId :

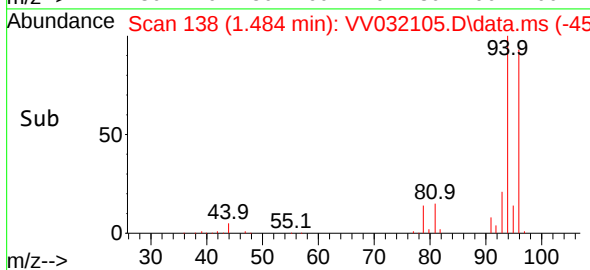
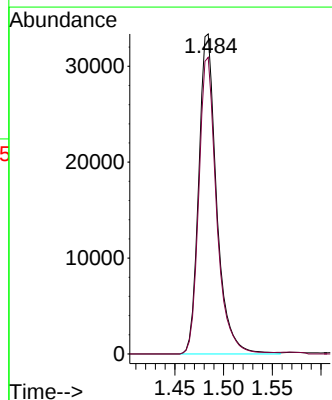
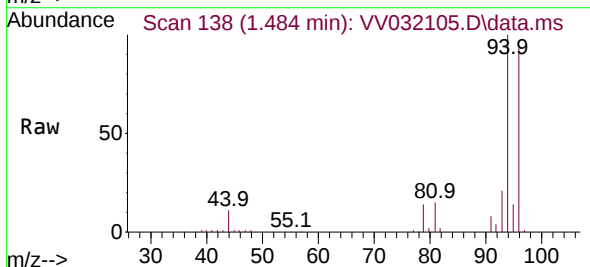


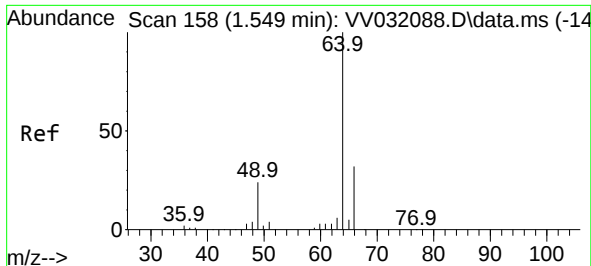
Tgt Ion: 62 Resp: 72329
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.6 43.8



#6
 Bromomethane
 Concen: 46.634 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032105.D
 Acq: 14 Sep 2023 22:10

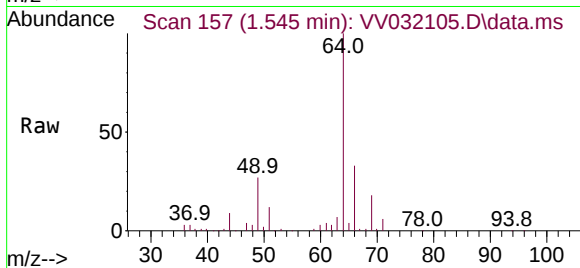
Tgt Ion: 94 Resp: 42705
 Ion Ratio Lower Upper
 94 100
 96 92.7 66.4 123.4



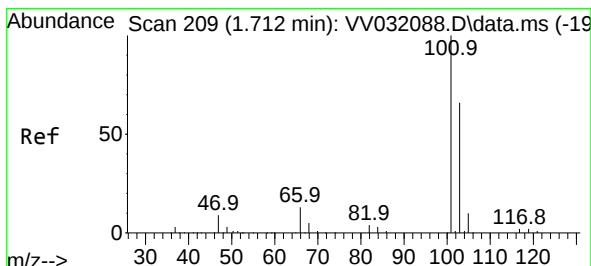
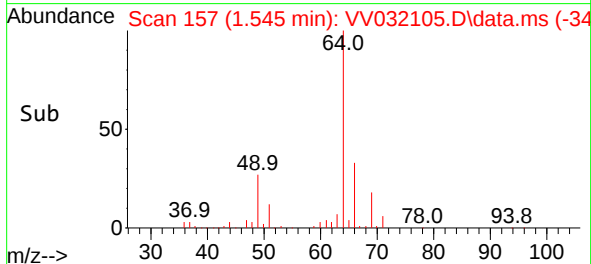
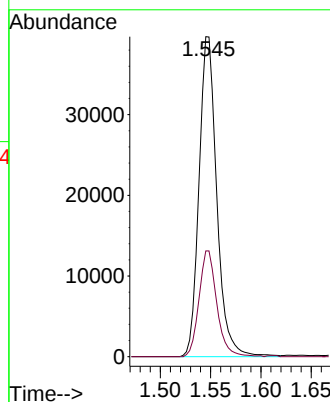


#8
Chloroethane
Concen: 47.116 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Instrument :
MSVOA_V
ClientSampleId :

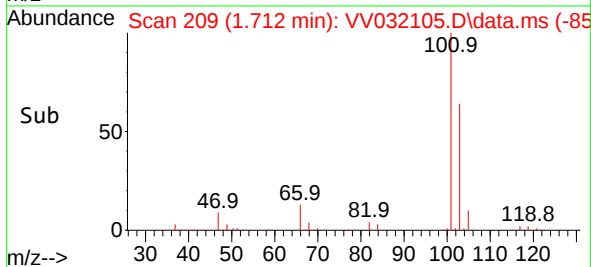
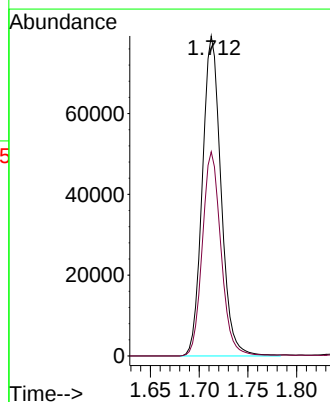
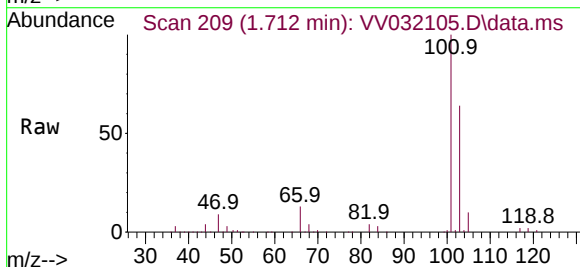


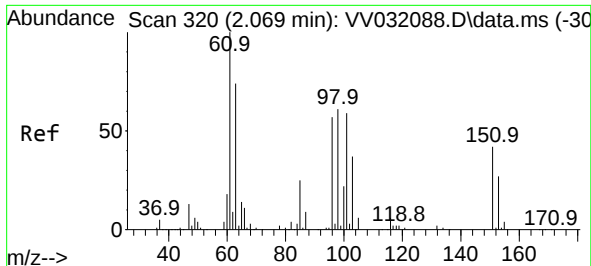
Tgt Ion: 64 Resp: 48701
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 46.655 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion:101 Resp: 105777
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9





#10

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

Concen: 47.809 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

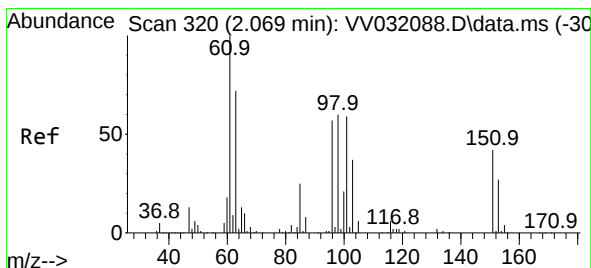
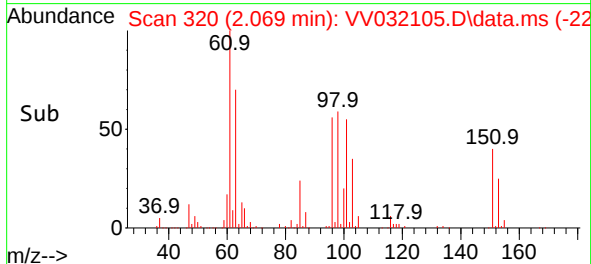
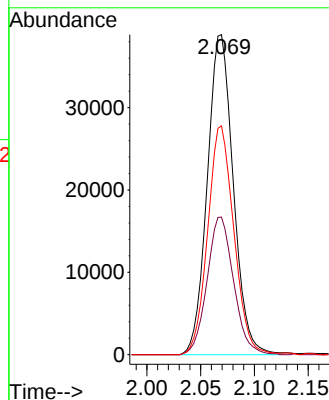
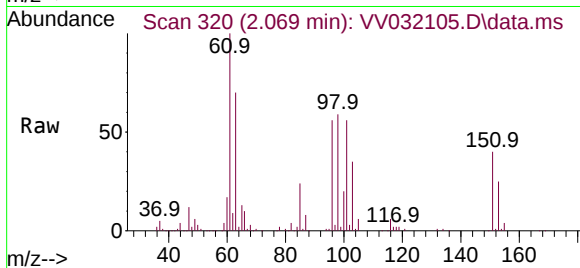
Tgt Ion:101 Resp: 65446

Ion Ratio Lower Upper

101 100

85 43.8 35.8 53.8

151 71.9 56.5 84.7



#12

1,1-Dichloroethene

Concen: 46.160 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

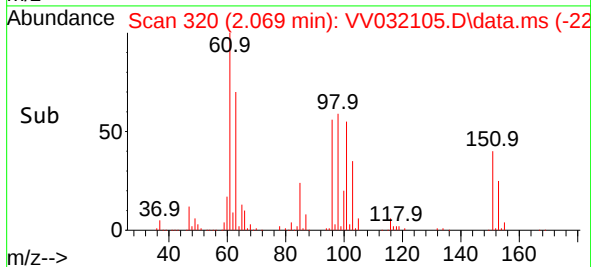
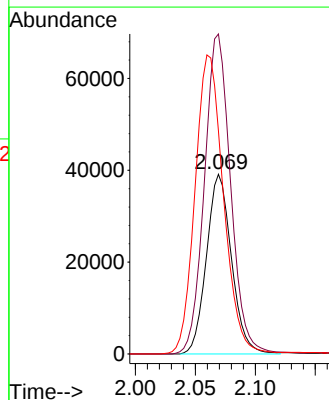
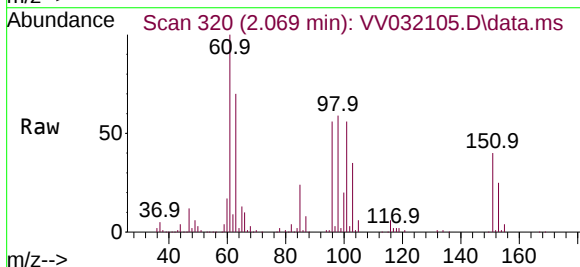
Tgt Ion: 96 Resp: 56757

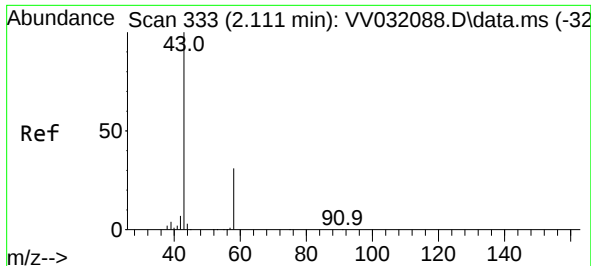
Ion Ratio Lower Upper

96 100

61 178.1 133.8 248.6

63 124.1 115.2 214.0





#13

Acetone

Concen: 82.904 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

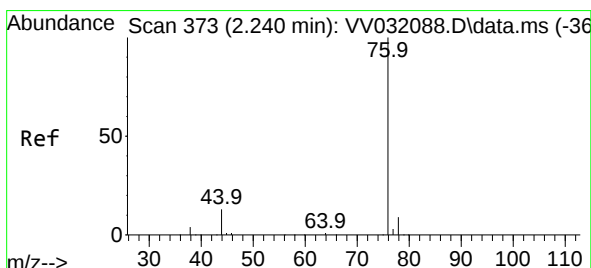
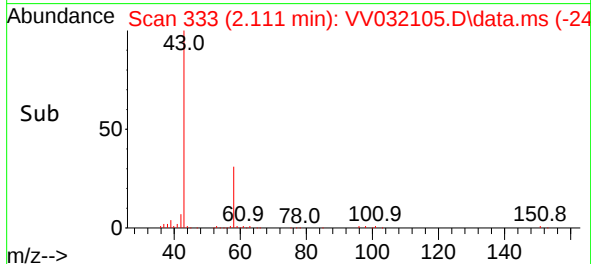
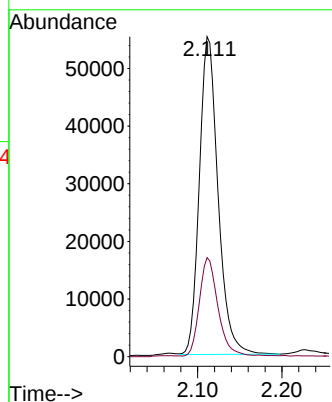
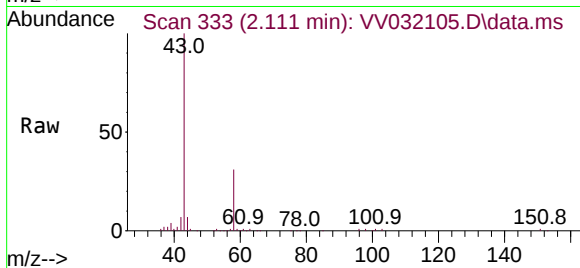
ClientSampleId :

Tgt Ion: 43 Resp: 85209

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.0



#14

Carbon disulfide

Concen: 43.253 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032105.D

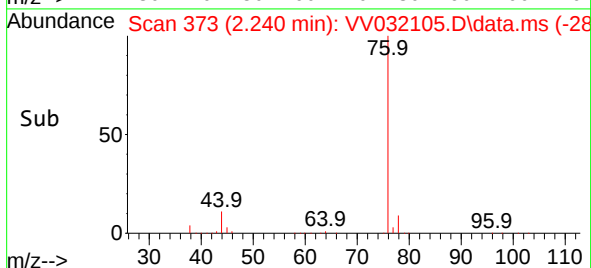
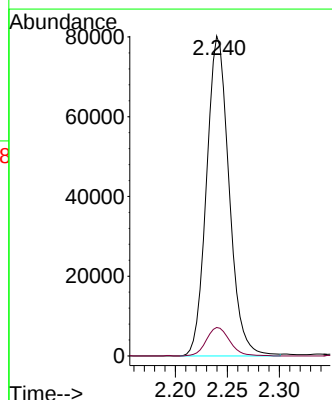
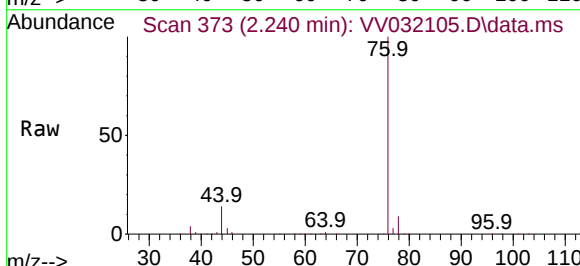
Acq: 14 Sep 2023 22:10

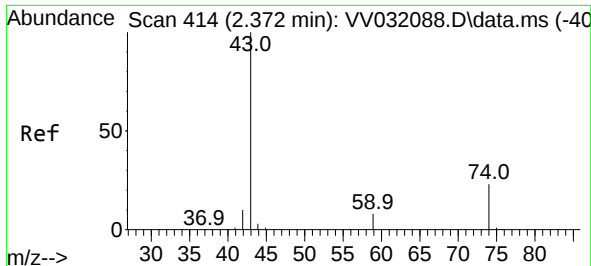
Tgt Ion: 76 Resp: 121182

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

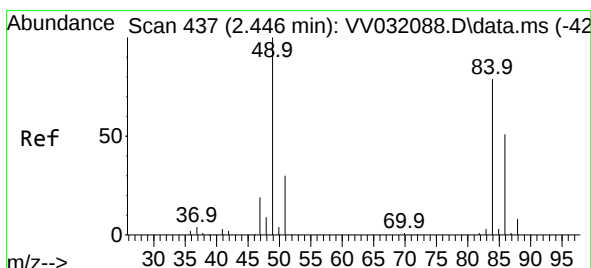
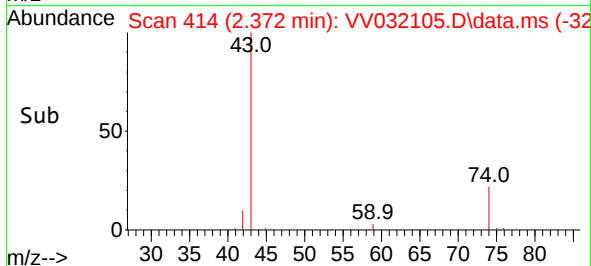
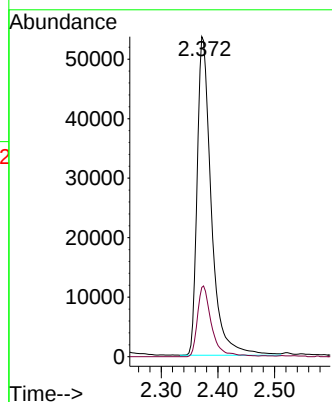
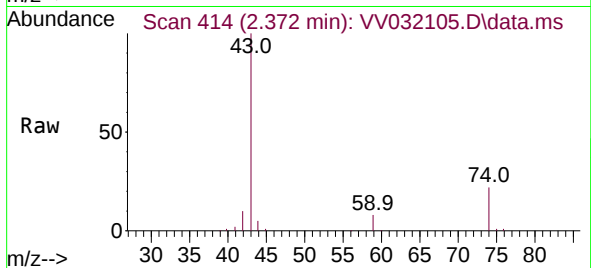




#15
Methyl Acetate
Concen: 50.656 ug/L
RT: 2.372 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

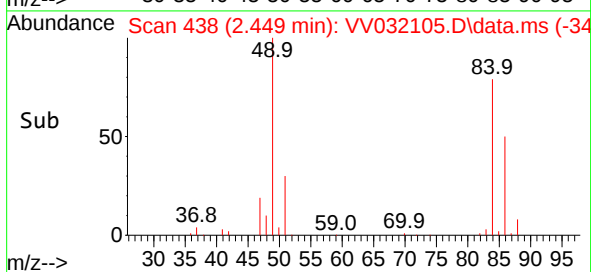
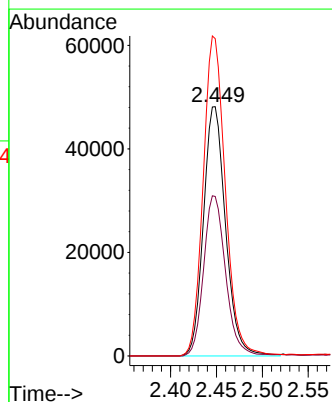
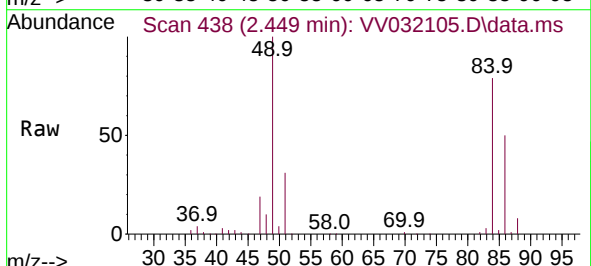
Instrument :
MSVOA_V
ClientSampleId :

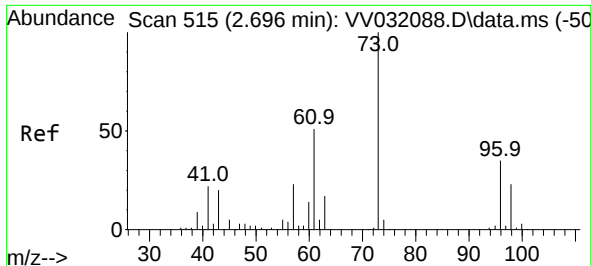
Tgt Ion: 43 Resp: 92856
Ion Ratio Lower Upper
43 100
74 21.7 17.9 26.9



#16
Methylene chloride
Concen: 51.162 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion: 84 Resp: 80839
Ion Ratio Lower Upper
84 100
86 64.0 44.6 82.8
49 127.3 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 48.042 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

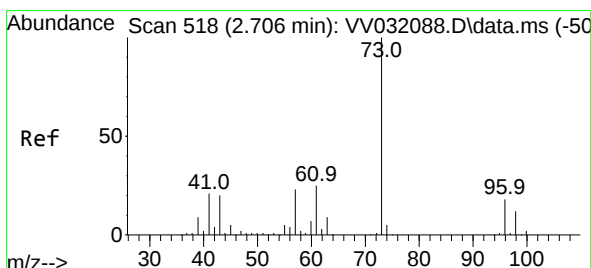
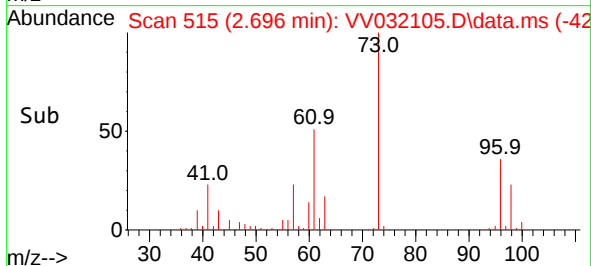
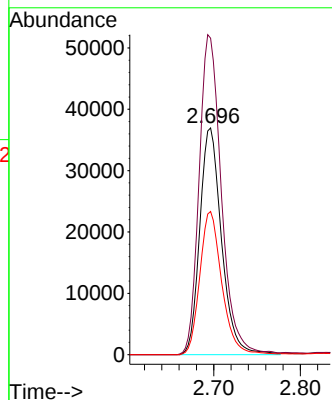
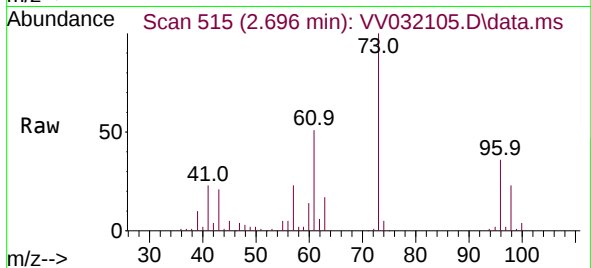
Tgt Ion: 96 Resp: 64762

Ion Ratio Lower Upper

96 100

61 139.6 107.3 199.3

98 63.2 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 48.681 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

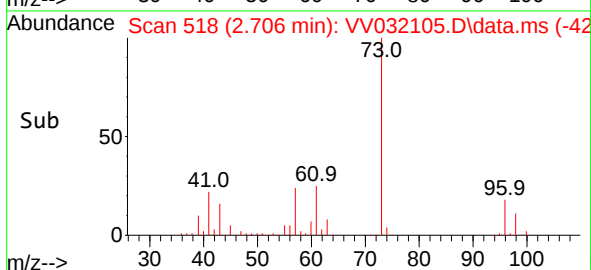
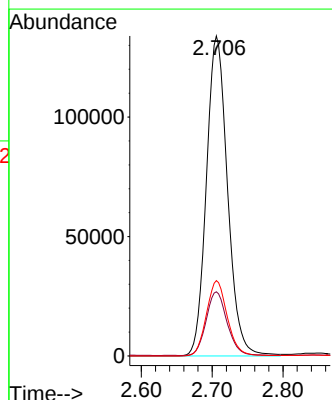
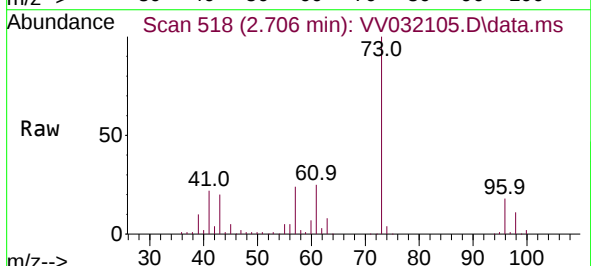
Tgt Ion: 73 Resp: 277344

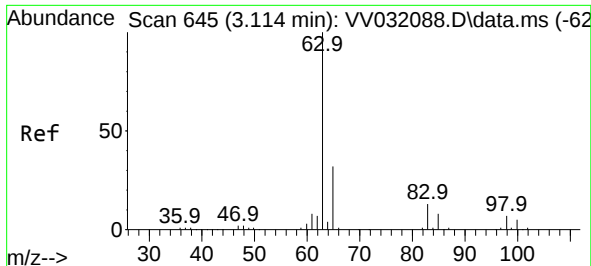
Ion Ratio Lower Upper

73 100

43 19.8 16.6 25.0

57 23.3 17.6 26.4





#19

1,1-Dichloroethane

Concen: 50.928 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

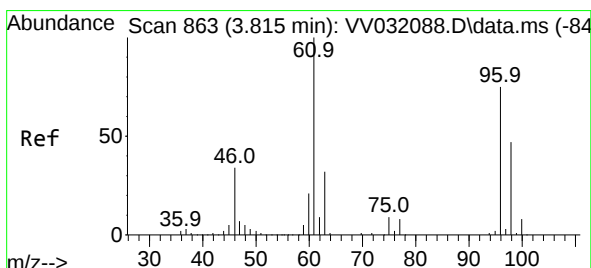
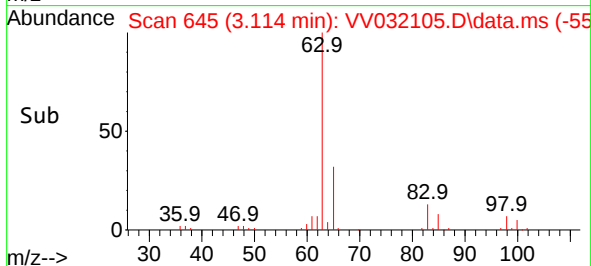
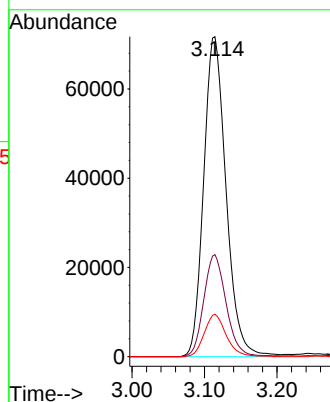
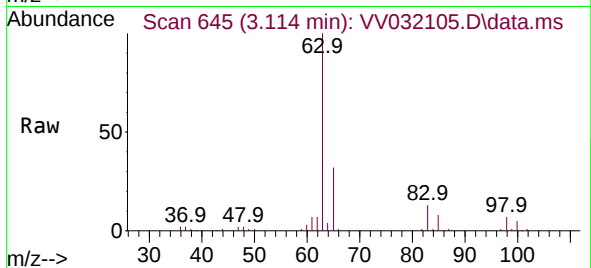
Tgt Ion: 63 Resp: 153853

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 13.3 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 50.684 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

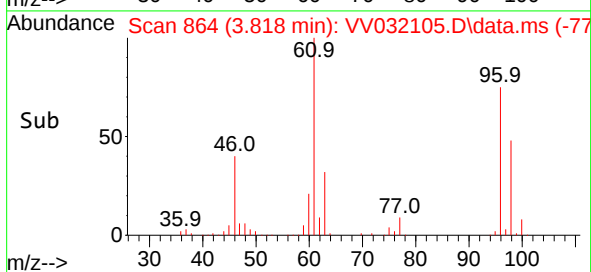
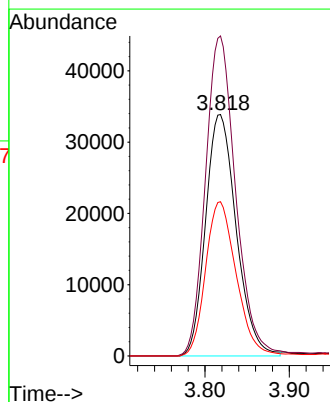
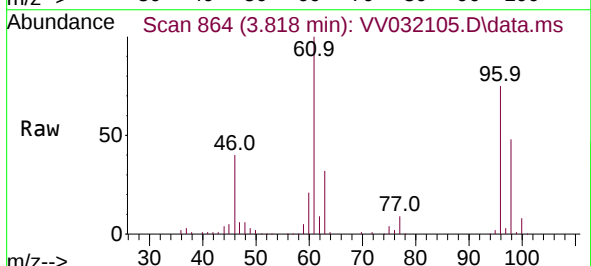
Tgt Ion: 96 Resp: 85718

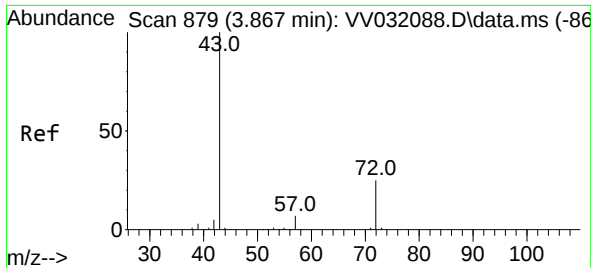
Ion Ratio Lower Upper

96 100

61 132.5 97.3 180.7

98 63.8 45.3 84.1

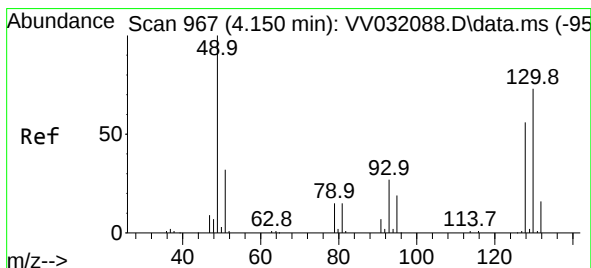
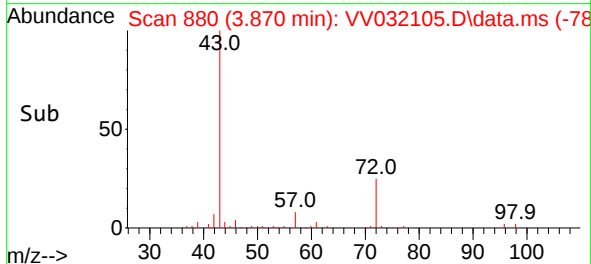
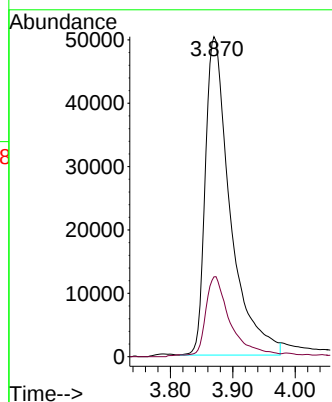
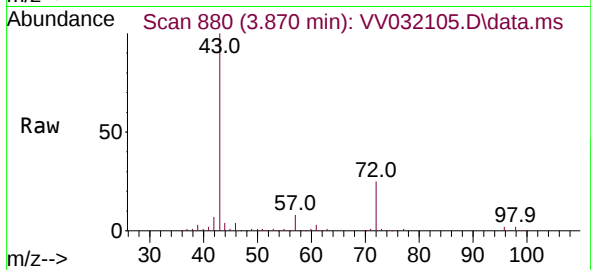




#22
2-Butanone
Concen: 102.853 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

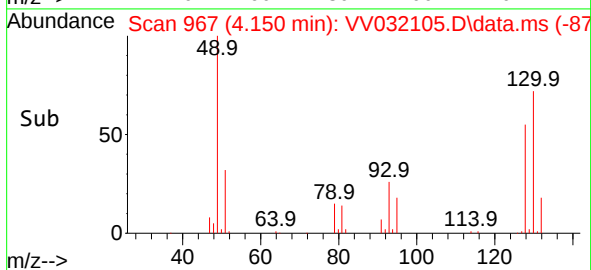
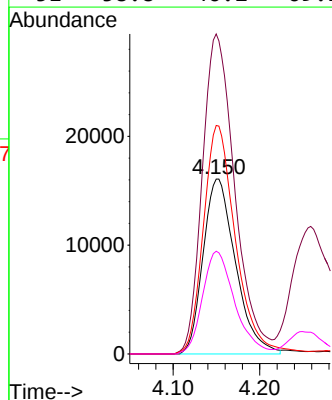
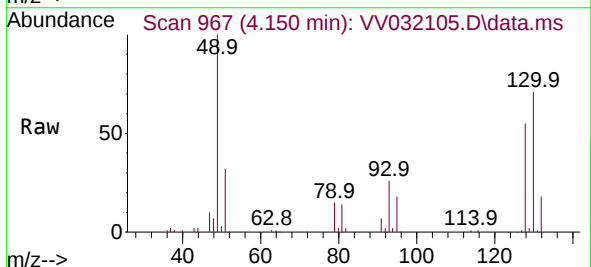
Instrument :
MSVOA_V
ClientSampleId :

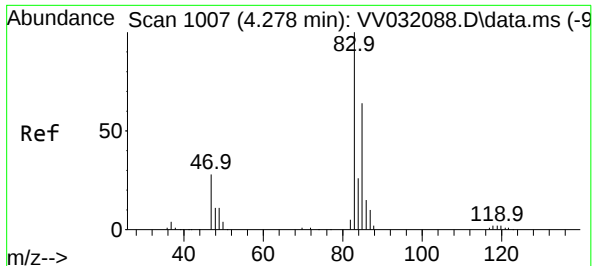
Tgt Ion: 43 Resp: 139883
Ion Ratio Lower Upper
43 100
72 24.1 12.6 37.8



#23
Bromochloromethane
Concen: 50.982 ug/L
RT: 4.150 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion: 128 Resp: 41831
Ion Ratio Lower Upper
128 100
49 183.0 127.8 237.4
130 130.6 90.1 167.3
51 58.8 46.2 69.2





#25

Chloroform

Concen: 49.583 ug/L

RT: 4.281 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

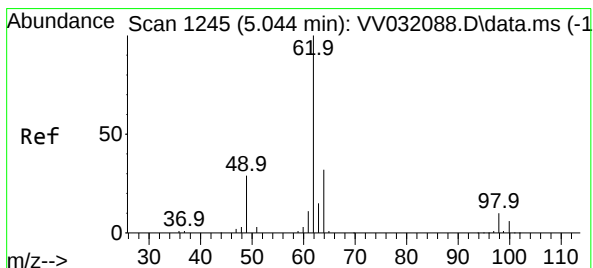
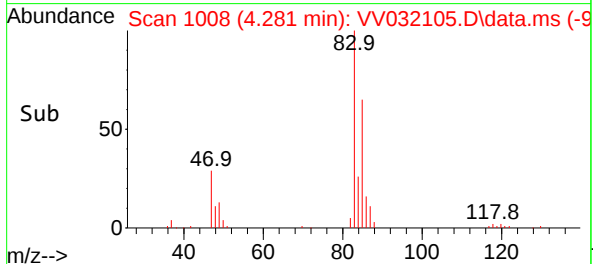
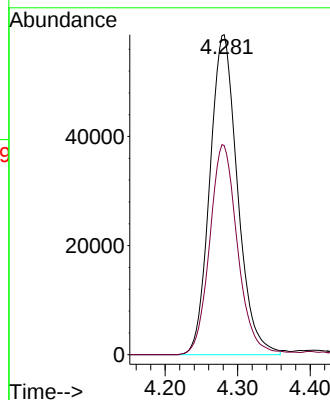
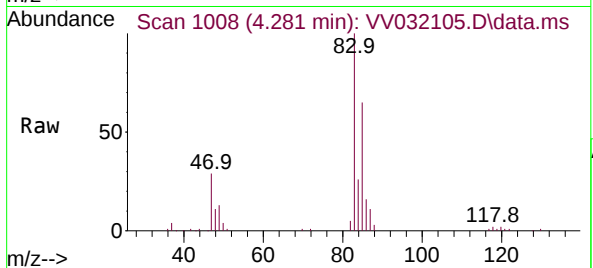
ClientSampleId :

Tgt Ion: 83 Resp: 155739

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.3



#27

1,2-Dichloroethane

Concen: 46.673 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VV032105.D

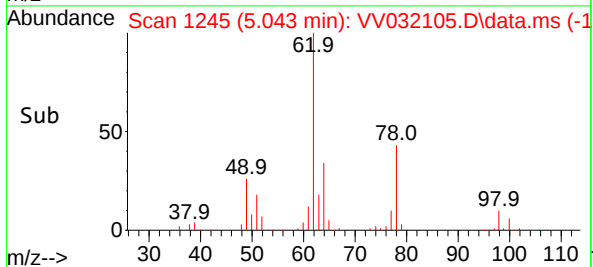
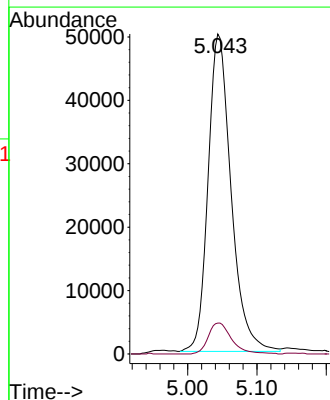
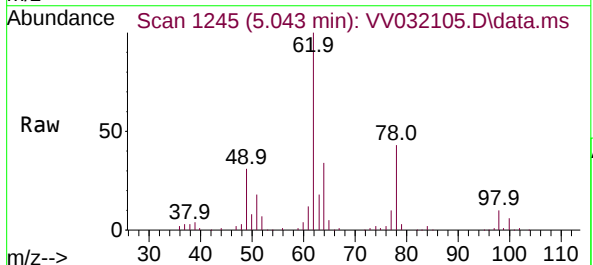
Acq: 14 Sep 2023 22:10

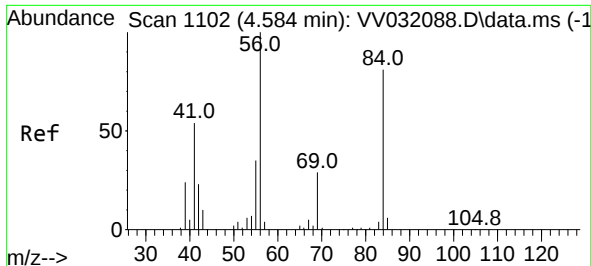
Tgt Ion: 62 Resp: 115494

Ion Ratio Lower Upper

62 100

98 9.7 7.0 10.4





#29

Cyclohexane

Concen: 46.008 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

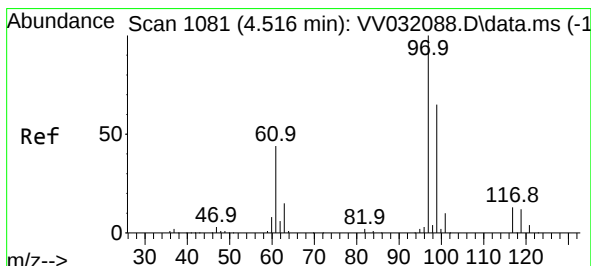
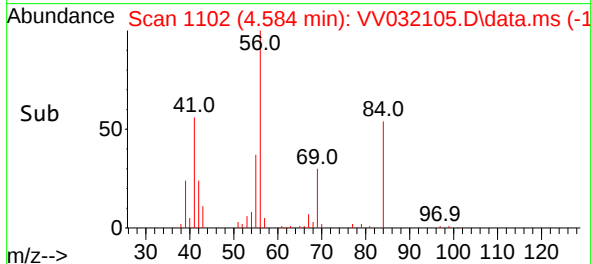
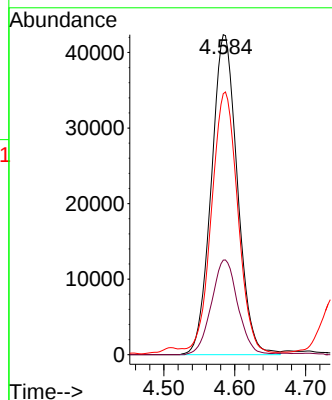
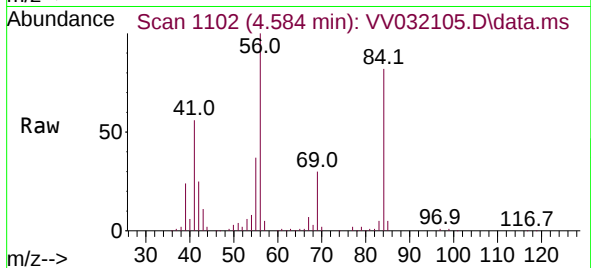
Tgt Ion: 56 Resp: 108196

Ion Ratio Lower Upper

56 100

69 30.0 24.2 36.4

84 81.3 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 48.382 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

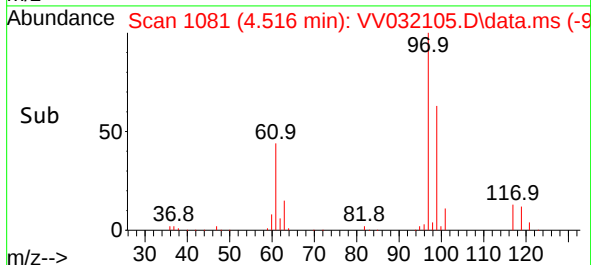
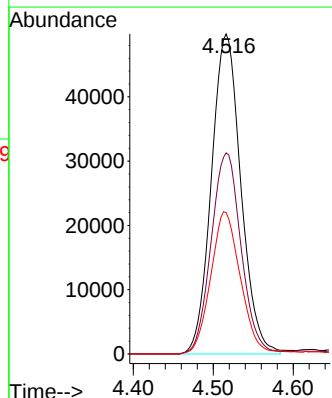
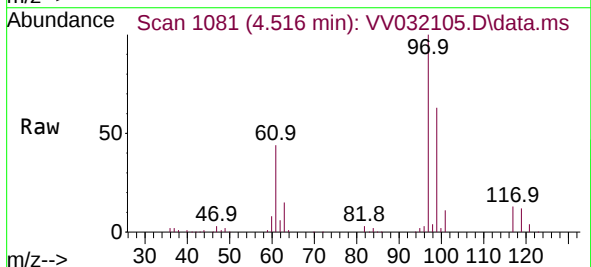
Tgt Ion: 97 Resp: 127465

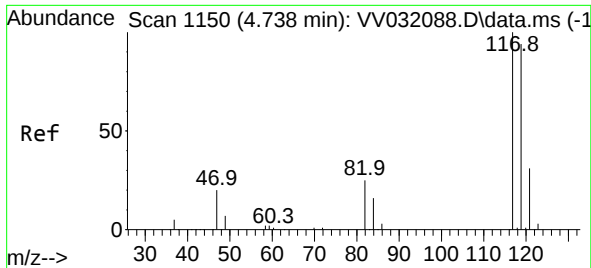
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 44.7 36.5 54.7

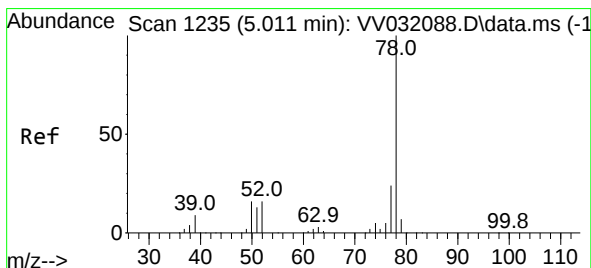
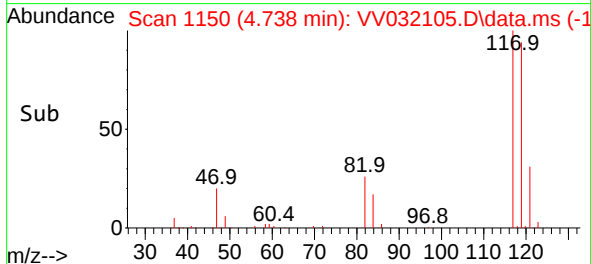
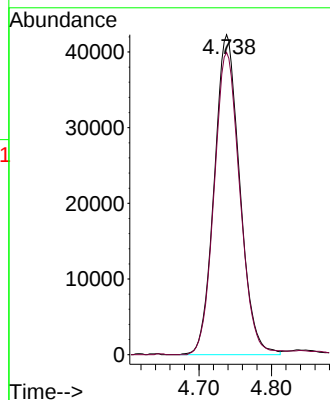
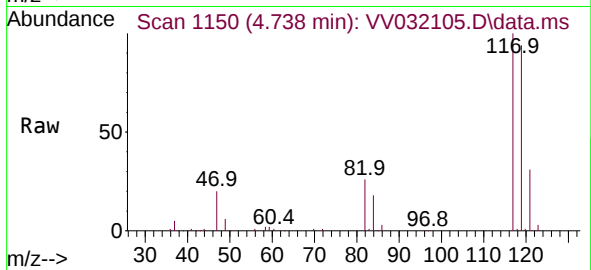




#31
Carbon tetrachloride
Concen: 46.177 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

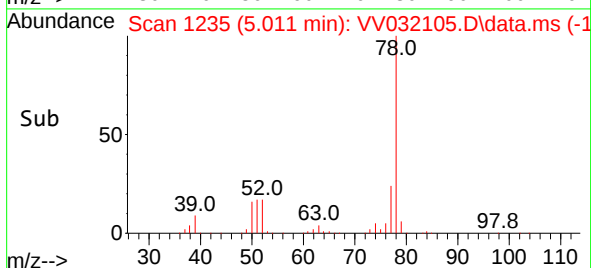
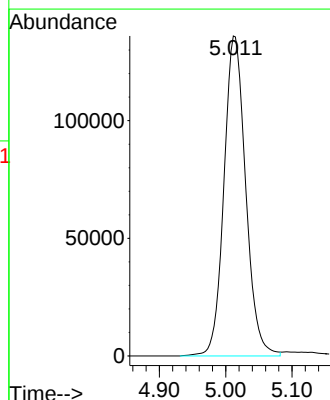
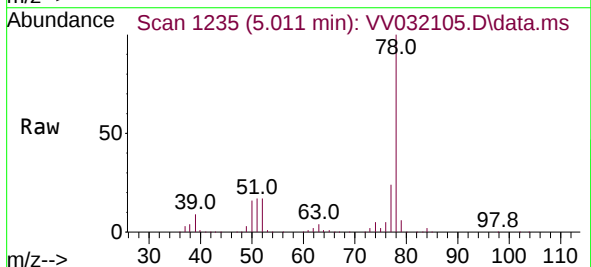
Instrument :
MSVOA_V
ClientSampleId :

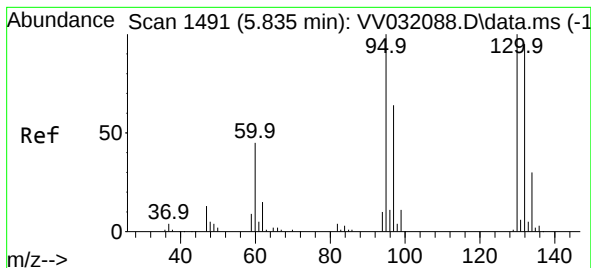
Tgt Ion:117 Resp: 103301
Ion Ratio Lower Upper
117 100
119 95.4 75.4 113.2



#33
Benzene
Concen: 51.125 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion: 78 Resp: 310261





#34

Trichloroethene

Concen: 43.965 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 81599

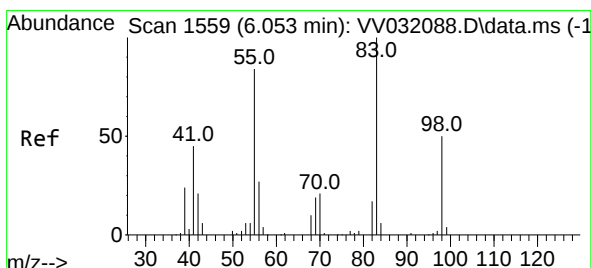
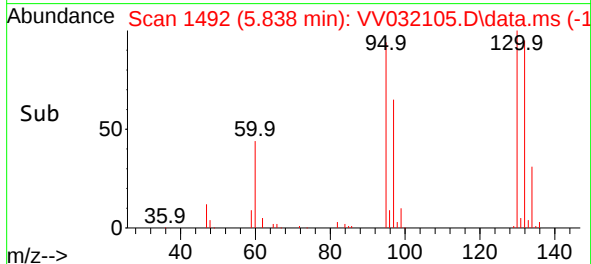
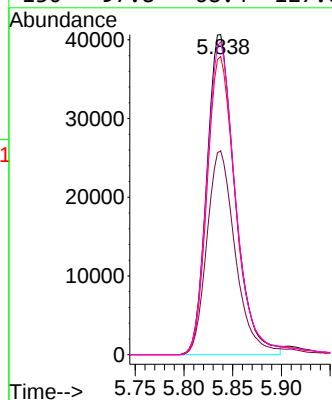
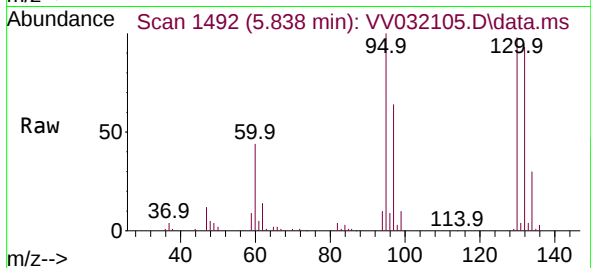
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.2

132 93.1 65.4 121.4

130 97.8 68.4 127.0



#35

Methylcyclohexane

Concen: 43.168 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

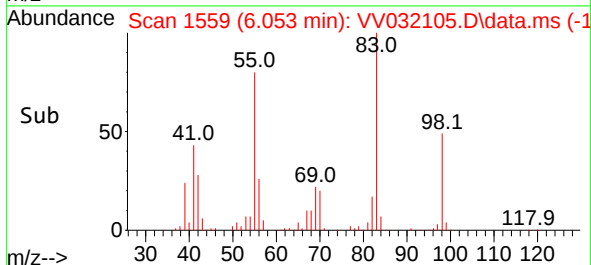
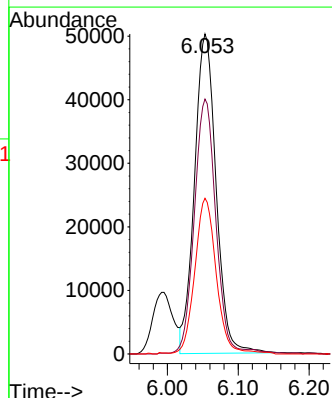
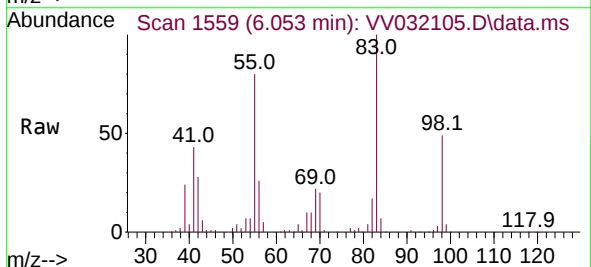
Tgt Ion: 83 Resp: 106567

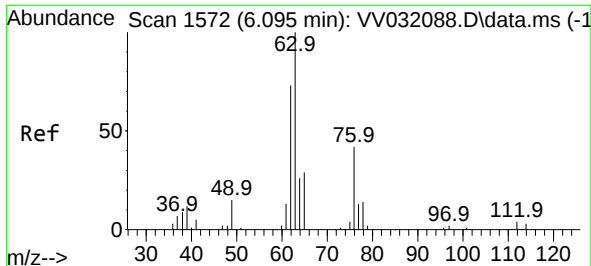
Ion Ratio Lower Upper

83 100

55 78.5 62.2 93.2

98 47.7 36.7 55.1





#37

1,2-Dichloropropane

Concen: 52.267 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

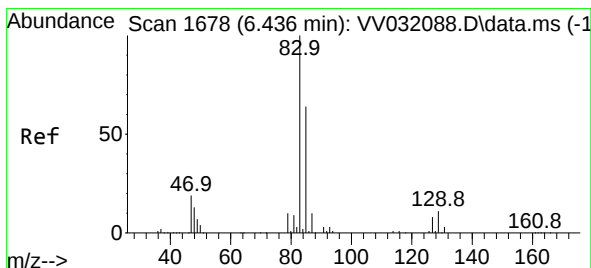
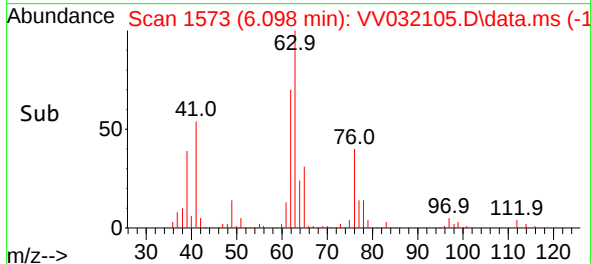
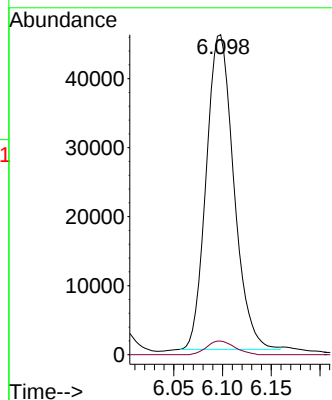
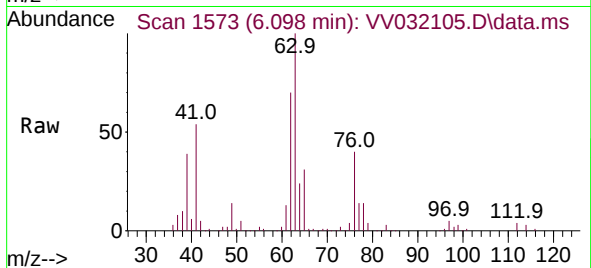
ClientSampleId :

Tgt Ion: 63 Resp: 89908

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 50.195 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

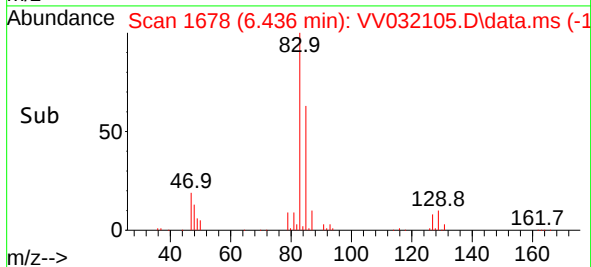
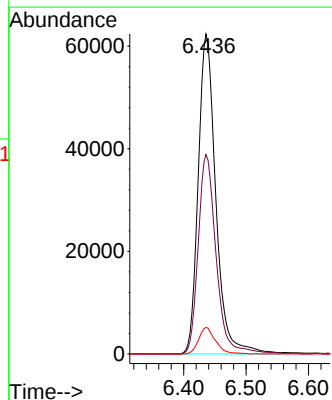
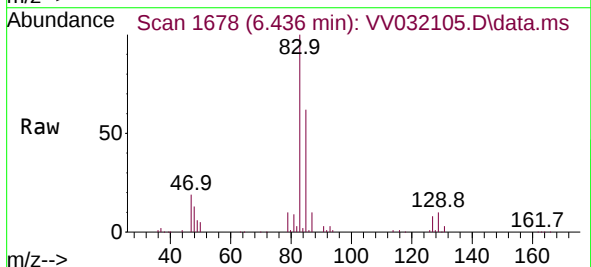
Tgt Ion: 83 Resp: 122556

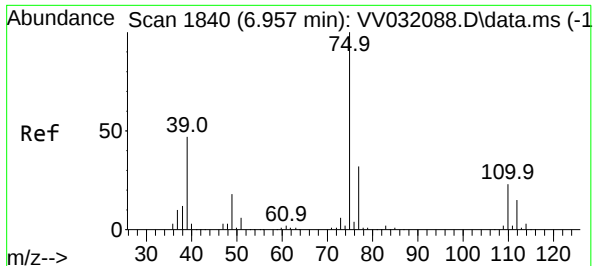
Ion Ratio Lower Upper

83 100

85 62.3 45.2 84.0

127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 47.564 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

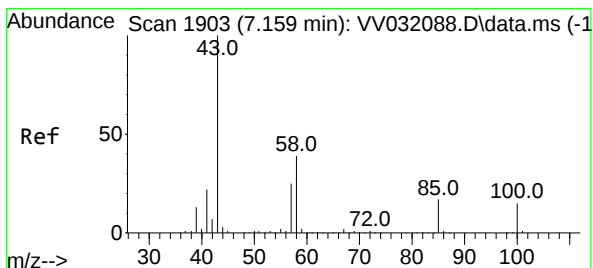
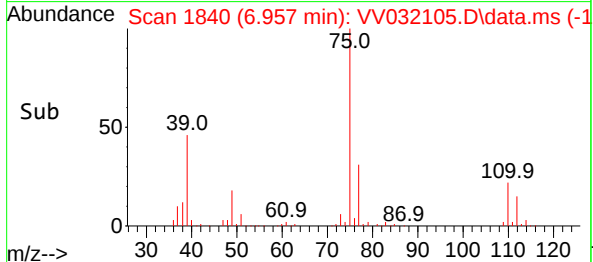
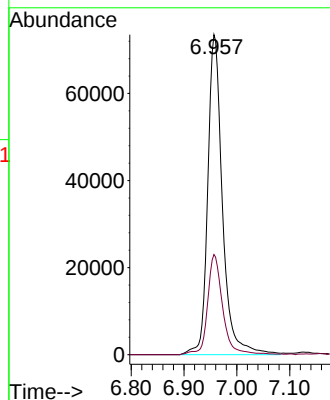
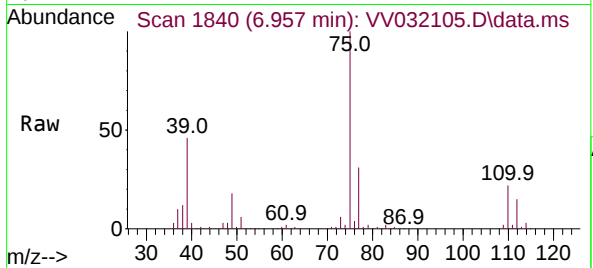
ClientSampleId :

Tgt Ion: 75 Resp: 142248

Ion Ratio Lower Upper

75 100

77 31.3 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 111.059 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

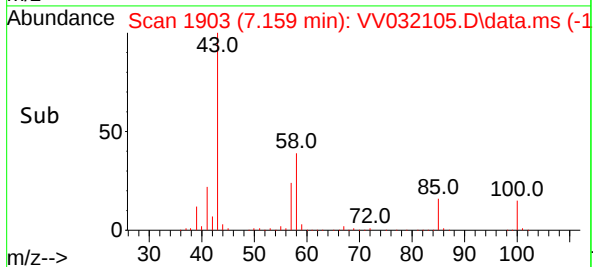
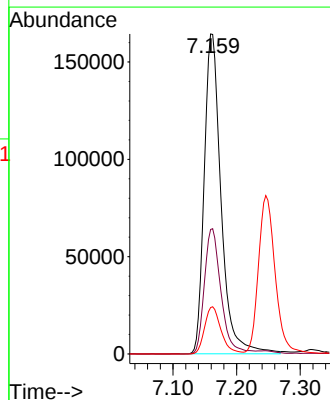
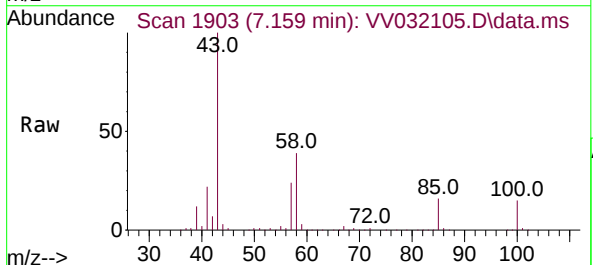
Tgt Ion: 43 Resp: 303215

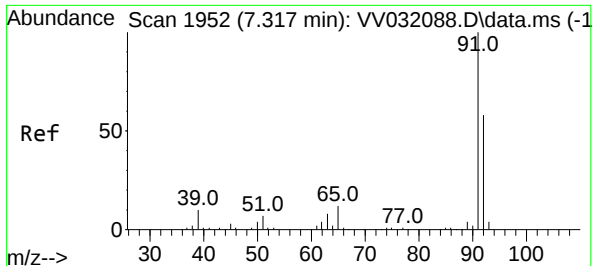
Ion Ratio Lower Upper

43 100

58 38.7 31.1 46.7

100 14.4 11.9 17.9





#42

Toluene

Concen: 50.289 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

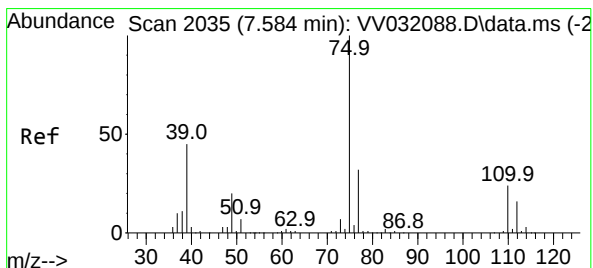
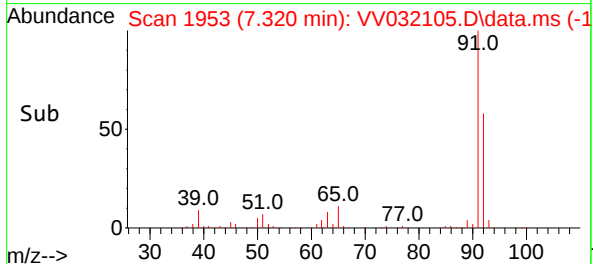
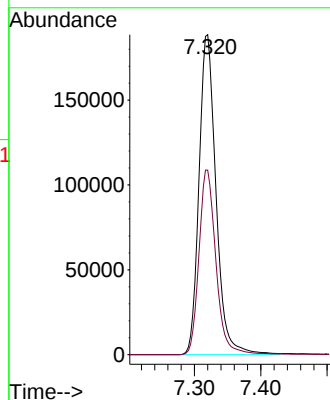
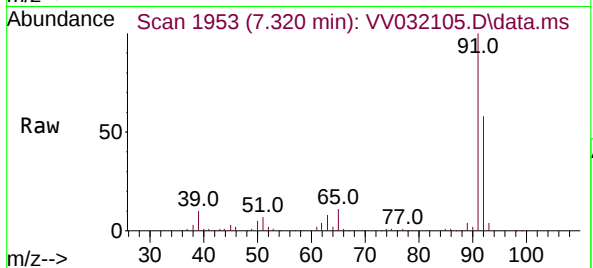
ClientSampleId :

Tgt Ion: 91 Resp: 335716

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 45.011 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032105.D

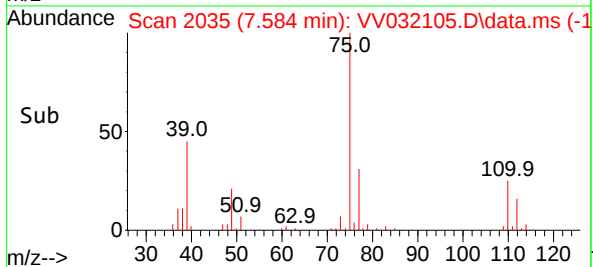
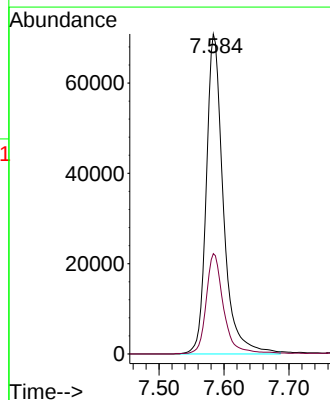
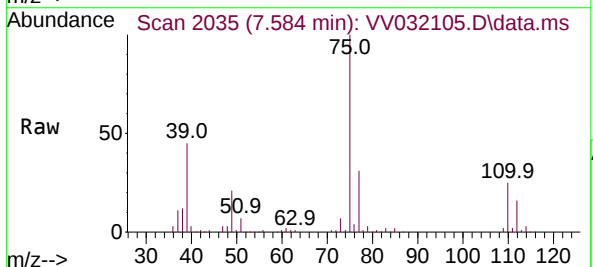
Acq: 14 Sep 2023 22:10

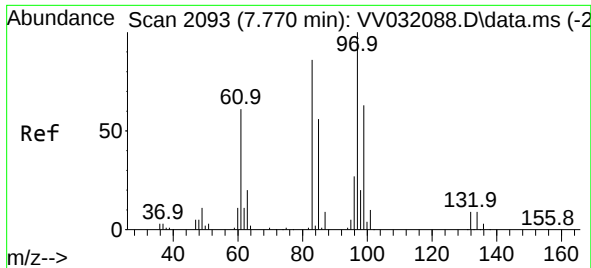
Tgt Ion: 75 Resp: 129338

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9

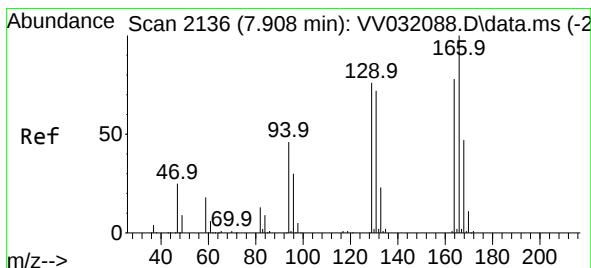
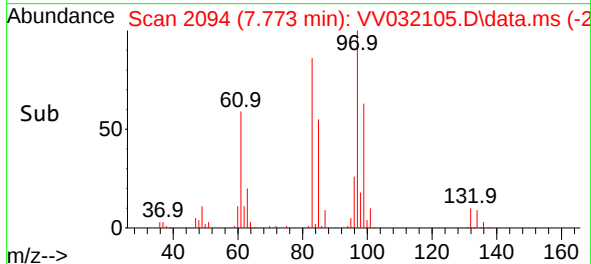
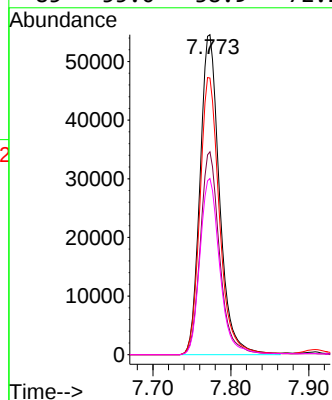
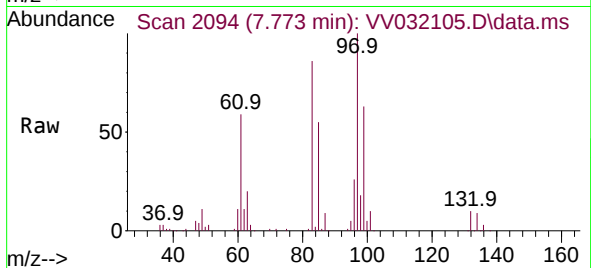




#45
1,1,2-Trichloroethane
Concen: 54.562 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

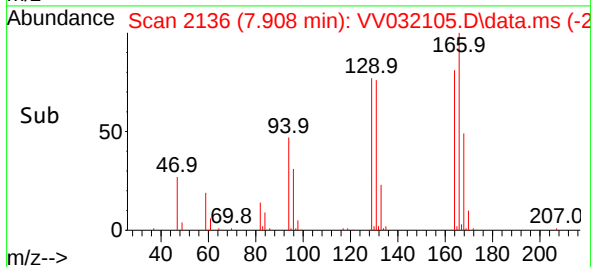
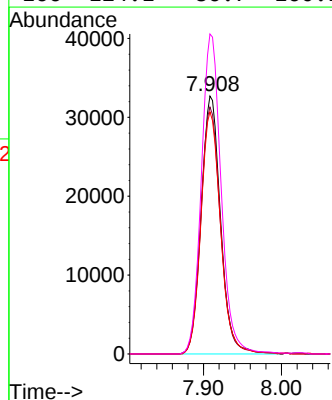
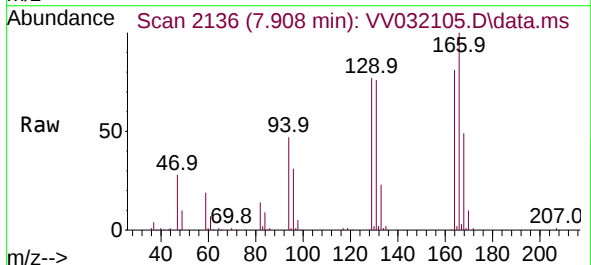
Instrument :
MSVOA_V
ClientSampleId :

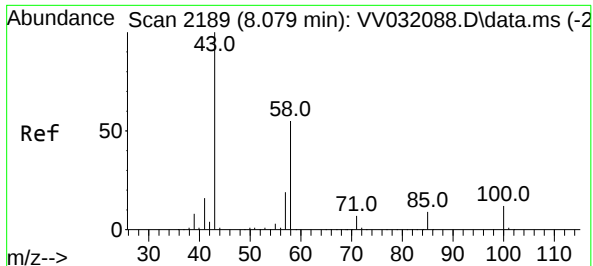
Tgt Ion:	97	Resp:	94821
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.0	79.8
83	86.5	61.2	113.6
85	55.0	38.9	72.2



#46
Tetrachloroethene
Concen: 48.526 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion:	164	Resp:	56552
Ion	Ratio	Lower	Upper
164	100		
129	95.8	68.3	126.9
131	93.9	64.9	120.5
166	124.1	86.7	160.9

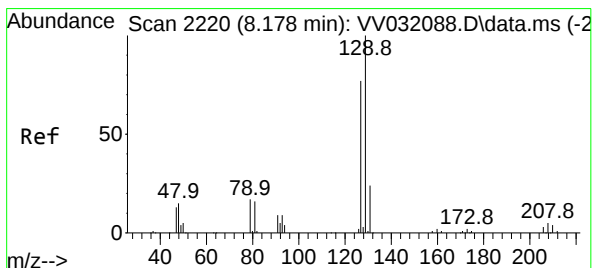
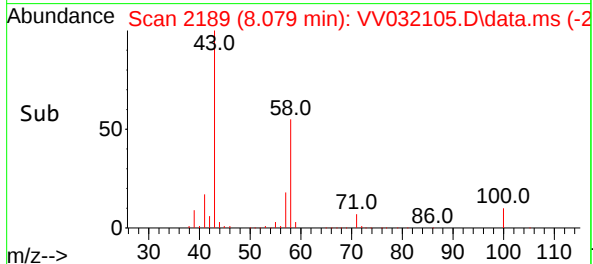
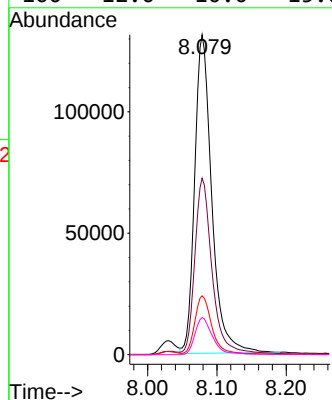
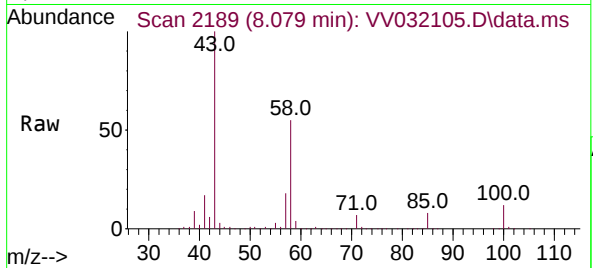




#48
2-Hexanone
Concen: 108.257 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

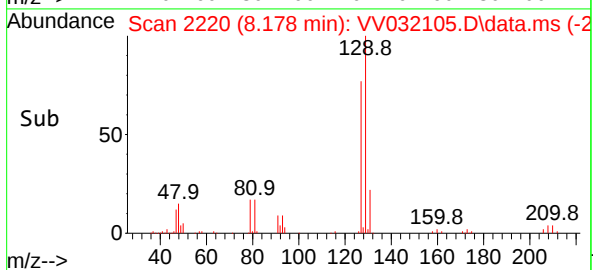
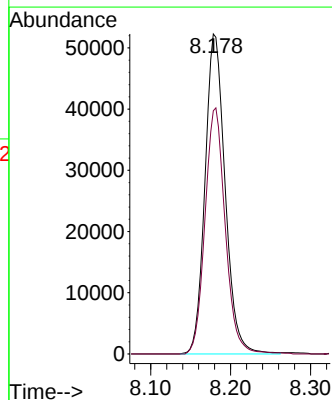
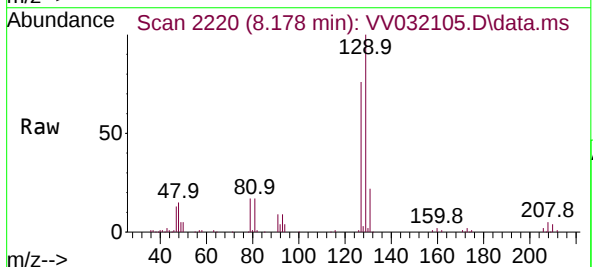
Instrument :
MSVOA_V
ClientSampleId :

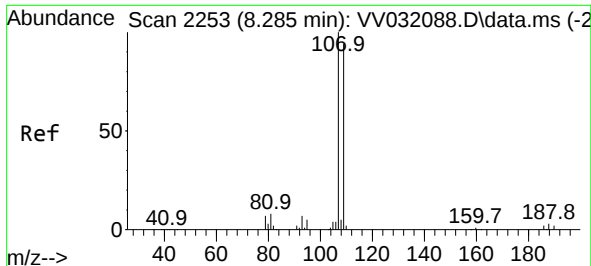
Tgt Ion: 43 Resp: 225716
Ion Ratio Lower Upper
43 100
58 56.5 44.0 66.0
57 17.8 15.9 23.9
100 12.0 10.0 15.0



#49
Dibromochloromethane
Concen: 51.253 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion: 129 Resp: 91527
Ion Ratio Lower Upper
129 100
127 76.0 54.7 101.7





#50

1,2-Dibromoethane

Concen: 51.970 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

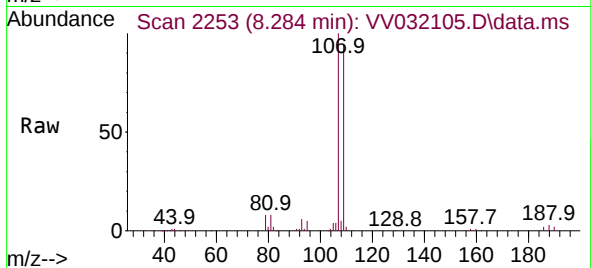
Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

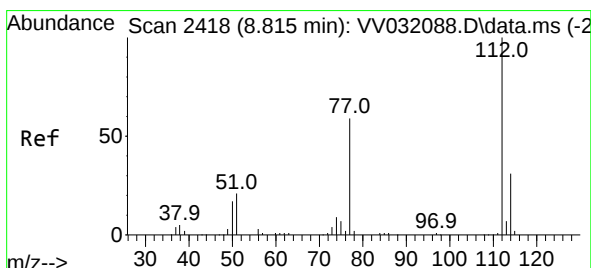
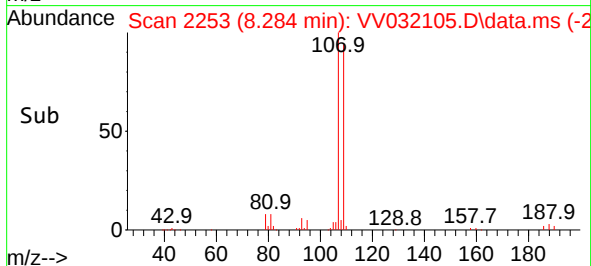
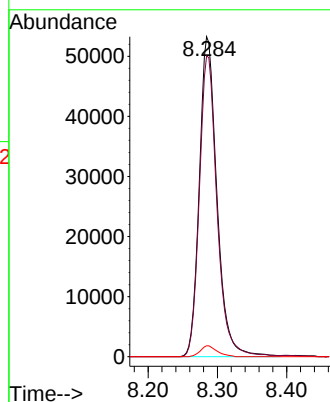
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	94596
Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.4	121.4
188	3.4	2.8	4.2



#51

Chlorobenzene

Concen: 50.113 ug/L

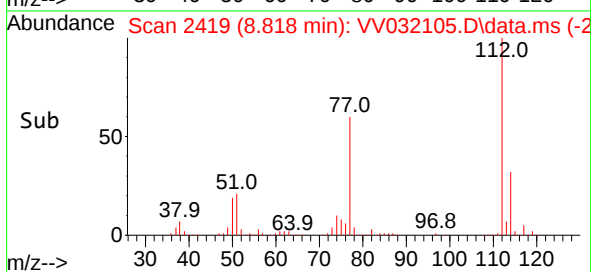
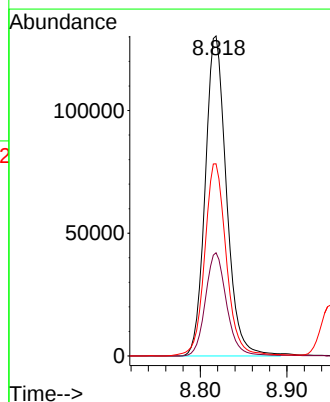
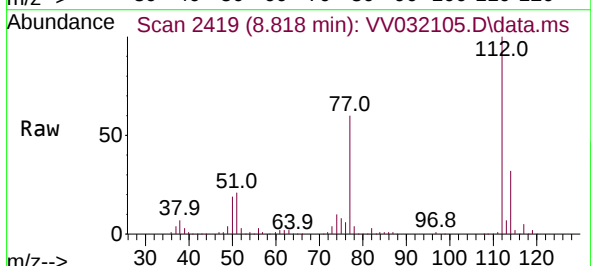
RT: 8.818 min Scan# 2419

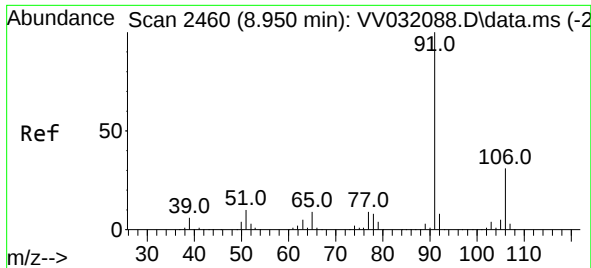
Delta R.T. 0.003 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Tgt Ion:	112	Resp:	222294
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.0	40.8
77	60.0	49.4	74.0

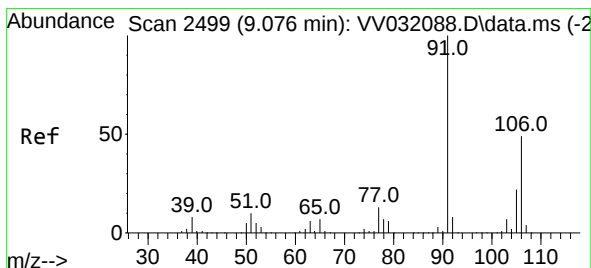
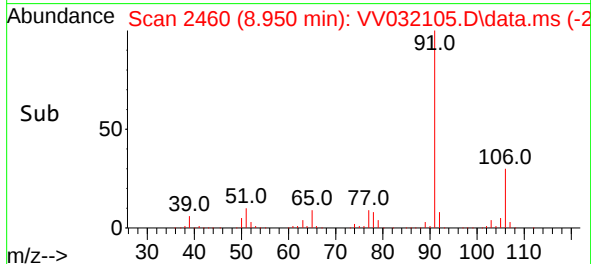
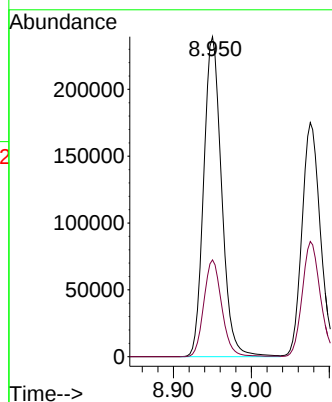
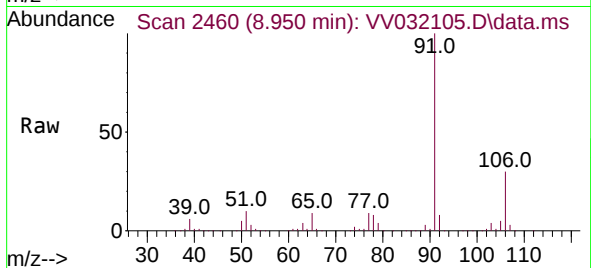




#52
Ethylbenzene
Concen: 48.373 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

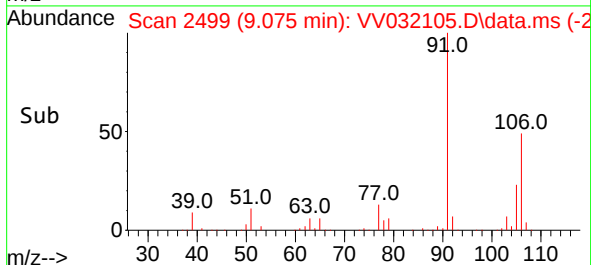
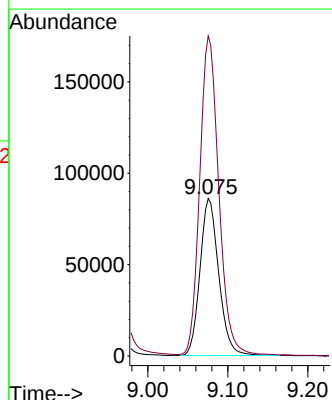
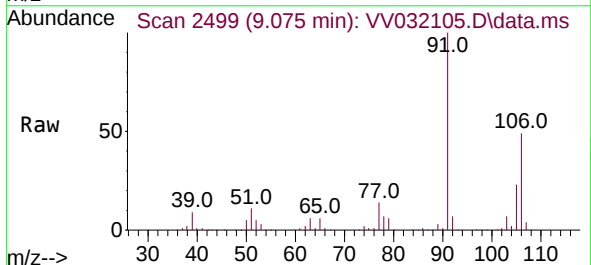
Instrument :
MSVOA_V
ClientSampleId :

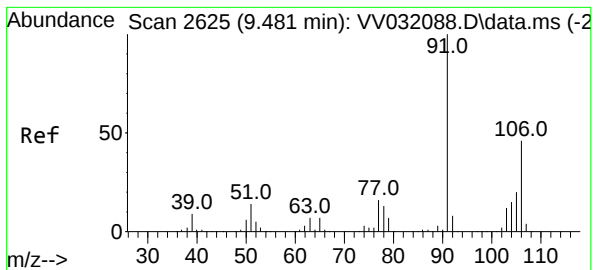
Tgt Ion: 91 Resp: 382521
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 47.779 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion: 106 Resp: 140284
Ion Ratio Lower Upper
106 100
91 203.3 147.0 273.0





#54

o-Xylene

Concen: 48.797 ug/L

RT: 9.481 min Scan# 2625

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

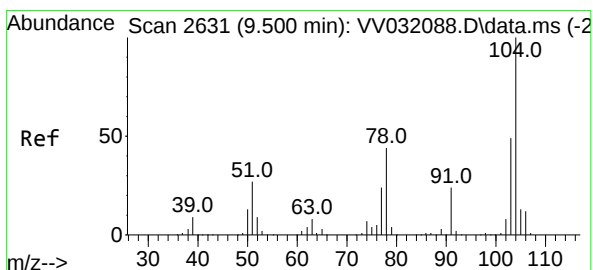
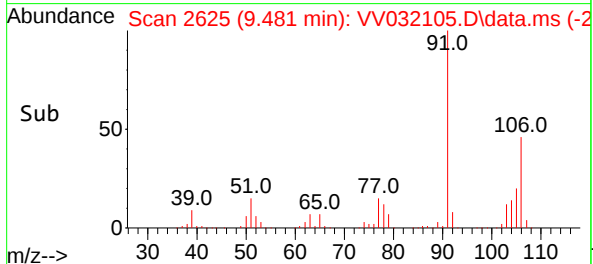
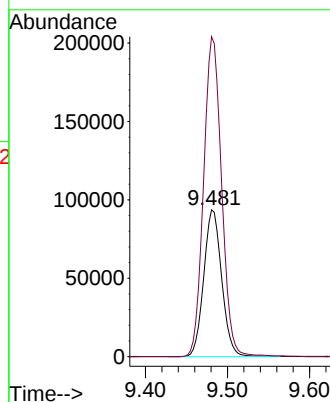
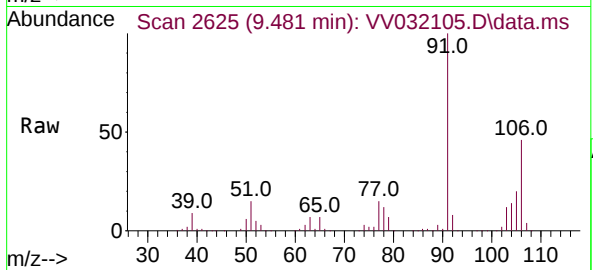
ClientSampleId :

Tgt Ion:106 Resp: 142497

Ion Ratio Lower Upper

106 100

91 217.8 154.3 286.5



#55

Styrene

Concen: 48.732 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. -0.000 min

Lab File: VV032105.D

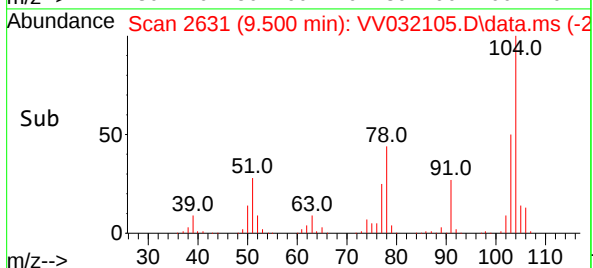
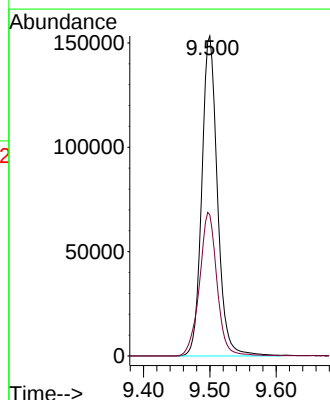
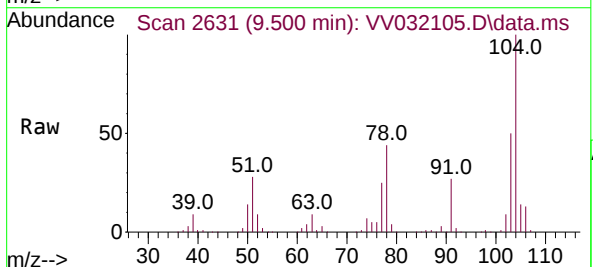
Acq: 14 Sep 2023 22:10

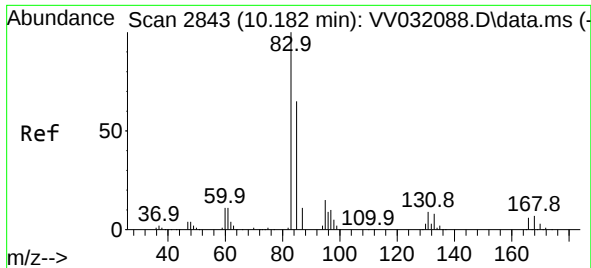
Tgt Ion:104 Resp: 251573

Ion Ratio Lower Upper

104 100

78 44.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 63.769 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

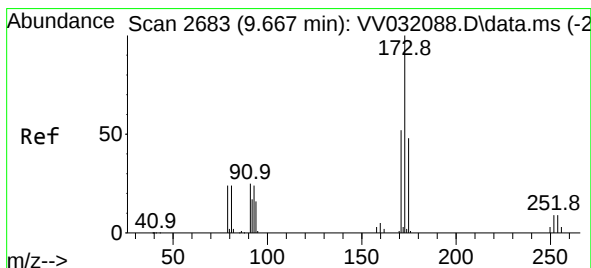
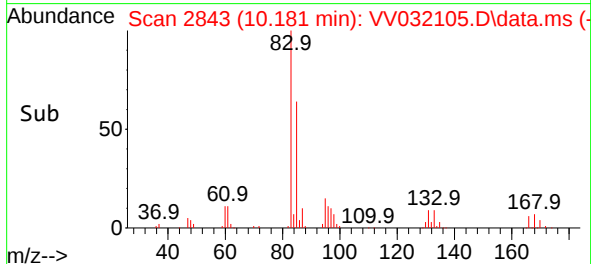
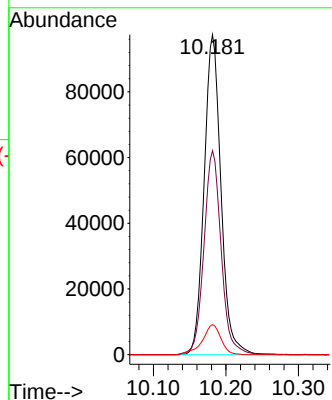
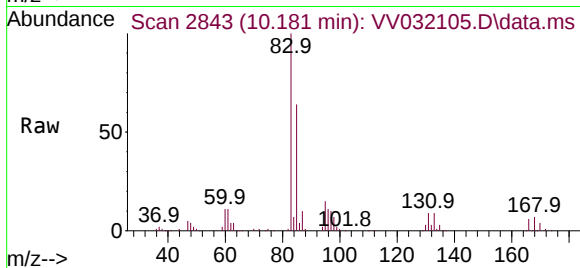
Tgt Ion: 83 Resp: 156879

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

131 9.4 7.4 11.2



#59

Bromoform

Concen: 51.237 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

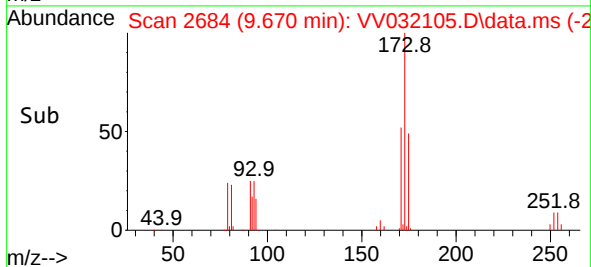
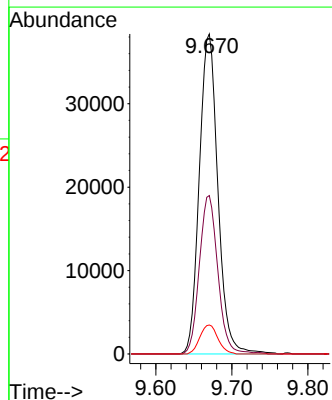
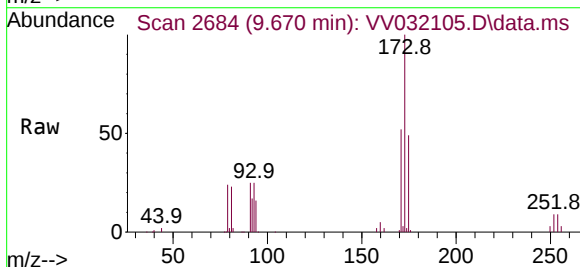
Tgt Ion: 173 Resp: 65127

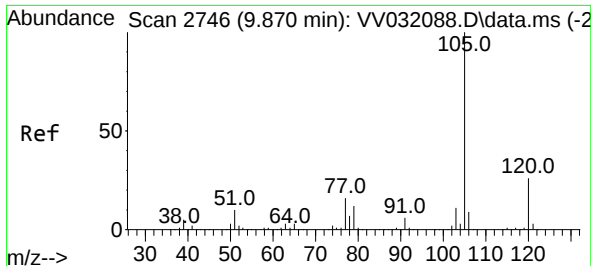
Ion Ratio Lower Upper

173 100

175 49.0 38.3 57.5

254 8.8 6.9 10.3

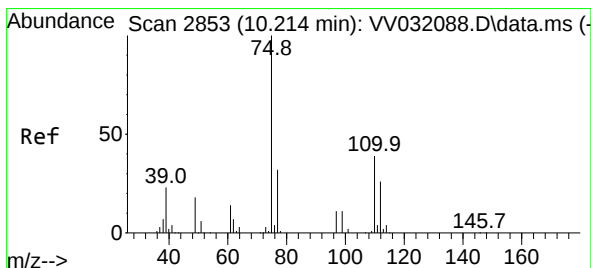
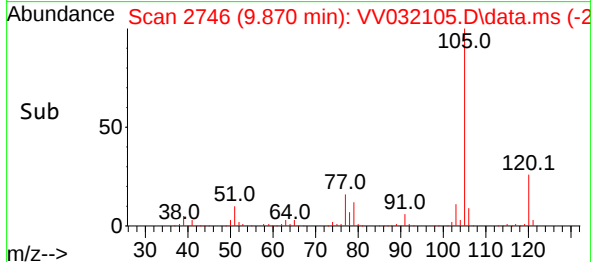
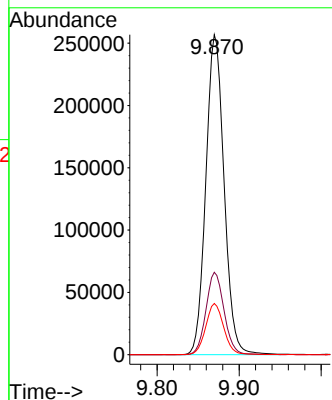
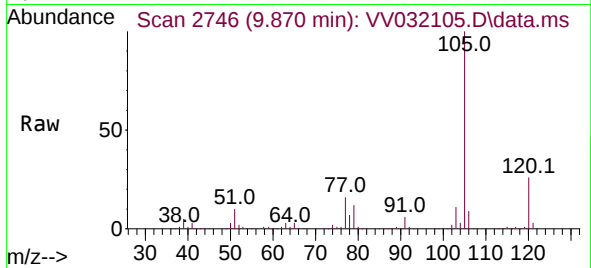




#60
Isopropylbenzene
Concen: 48.291 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

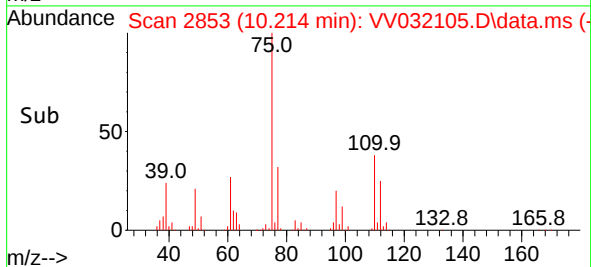
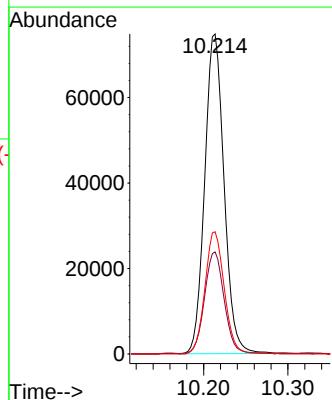
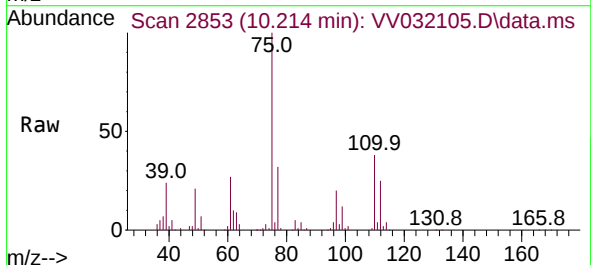
Instrument :
MSVOA_V
ClientSampleId :

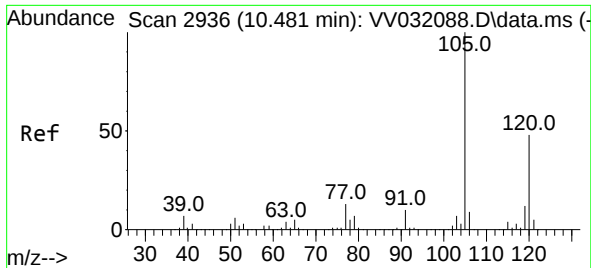
Tgt Ion:105 Resp: 396467
Ion Ratio Lower Upper
105 100
120 25.6 20.6 31.0
77 15.6 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 51.736 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion: 75 Resp: 119811
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5
110 38.2 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 46.158 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

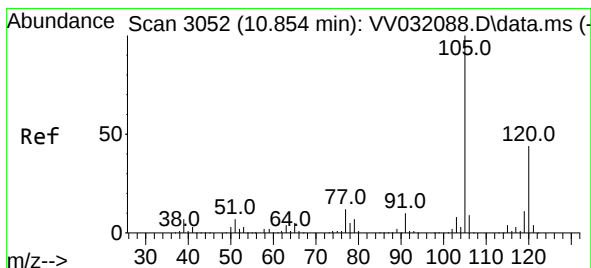
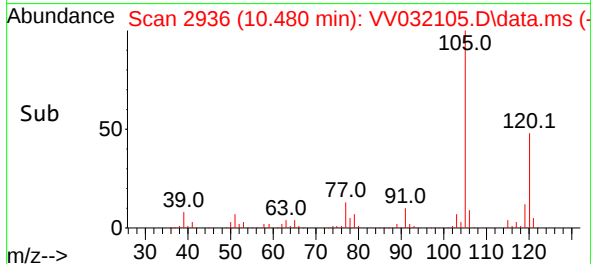
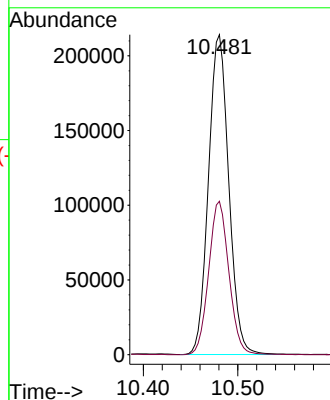
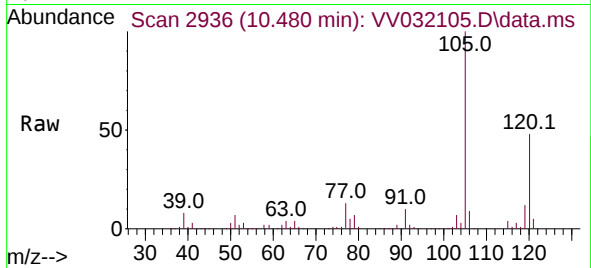
ClientSampleId :

Tgt Ion:105 Resp: 318818

Ion Ratio Lower Upper

105 100

120 47.9 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 46.462 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032105.D

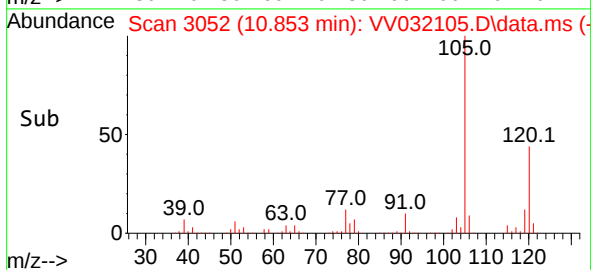
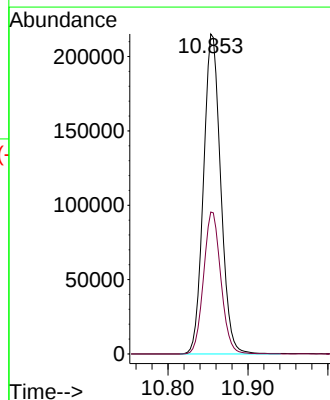
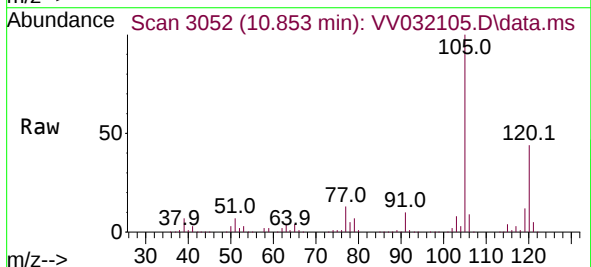
Acq: 14 Sep 2023 22:10

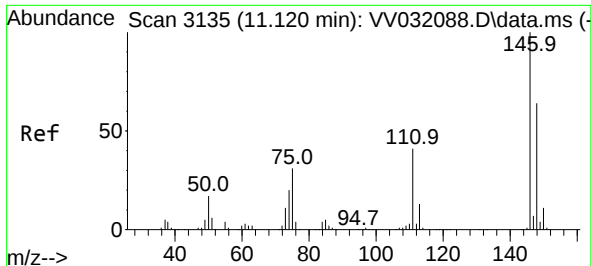
Tgt Ion:105 Resp: 322832

Ion Ratio Lower Upper

105 100

120 44.6 35.9 53.9

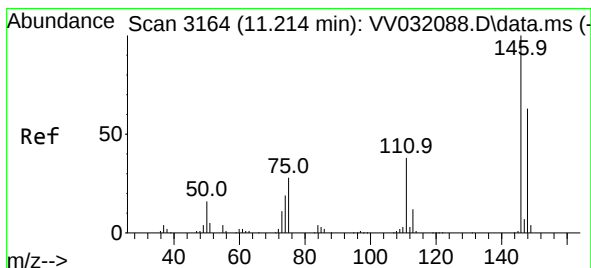
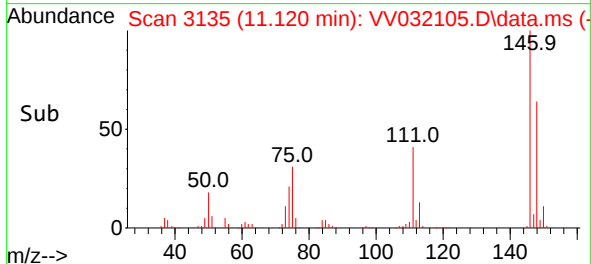
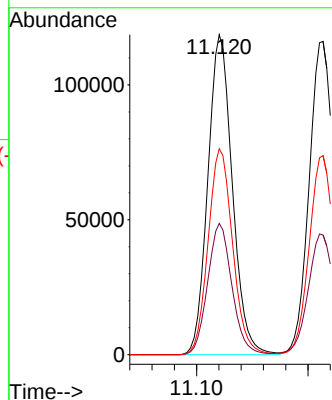
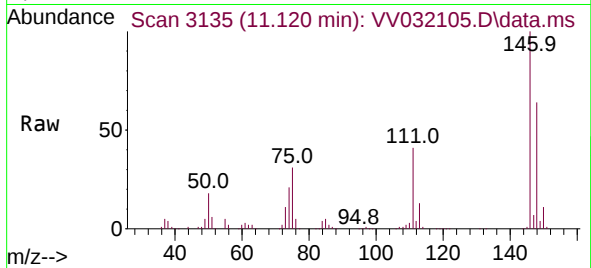




#64
1,3-Dichlorobenzene
Concen: 49.277 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

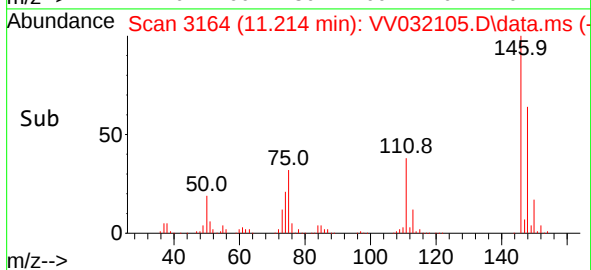
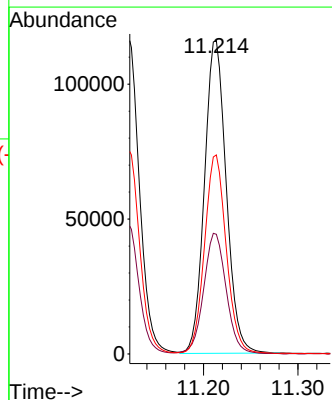
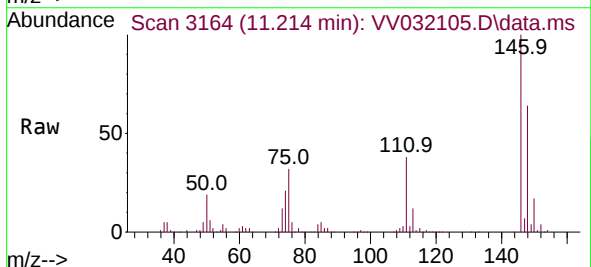
Instrument :
MSVOA_V
ClientSampleId :

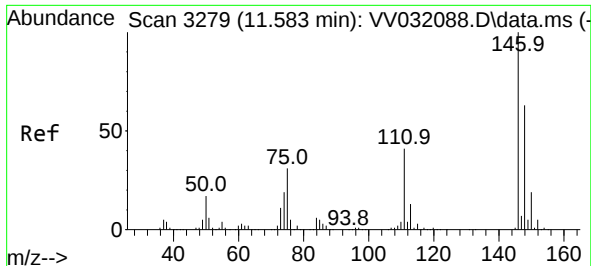
Tgt Ion:146 Resp: 181309
Ion Ratio Lower Upper
146 100
111 41.0 30.2 56.0
148 64.3 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 49.687 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV032105.D
Acq: 14 Sep 2023 22:10

Tgt Ion:146 Resp: 185897
Ion Ratio Lower Upper
146 100
111 38.2 28.5 52.9
148 63.5 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 50.985 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

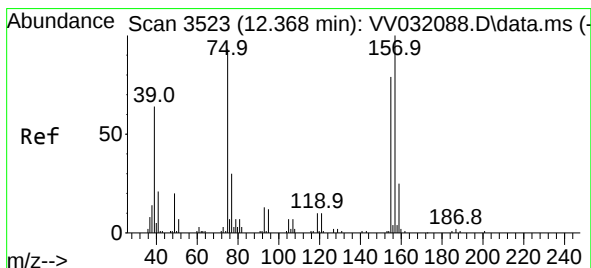
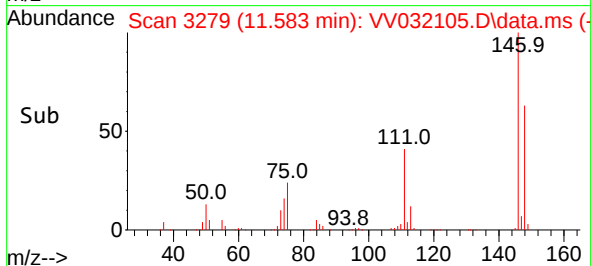
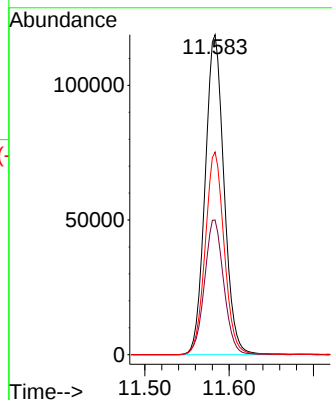
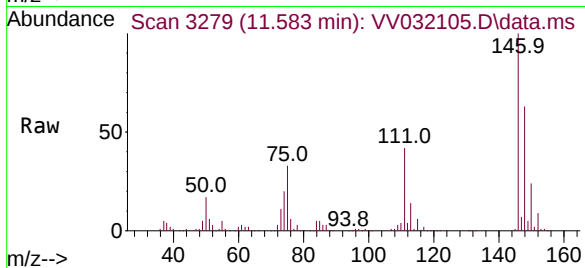
Tgt Ion:146 Resp: 185891

Ion Ratio Lower Upper

146 100

111 42.1 35.8 53.6

148 63.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 45.810 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

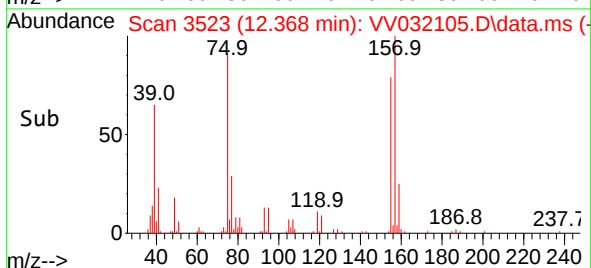
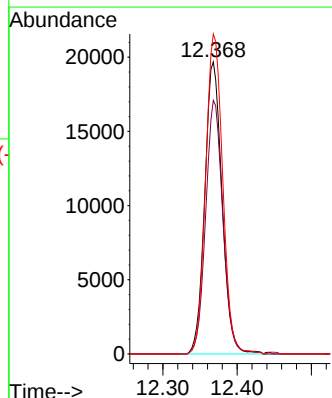
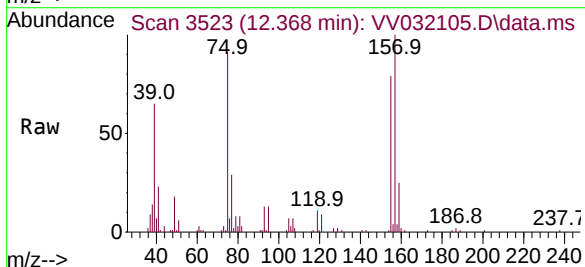
Tgt Ion: 75 Resp: 31866

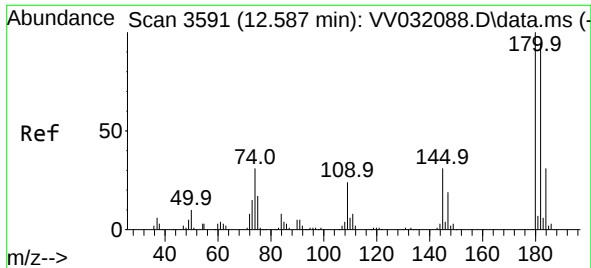
Ion Ratio Lower Upper

75 100

155 86.8 60.1 90.1

157 109.6 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 46.538 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. -0.000 min

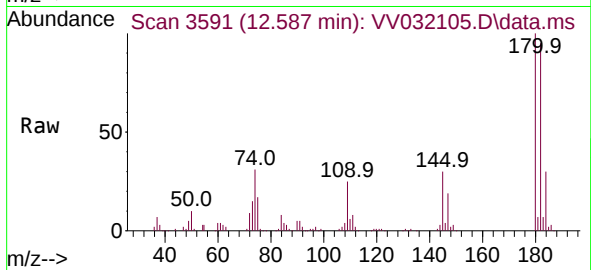
Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 124829

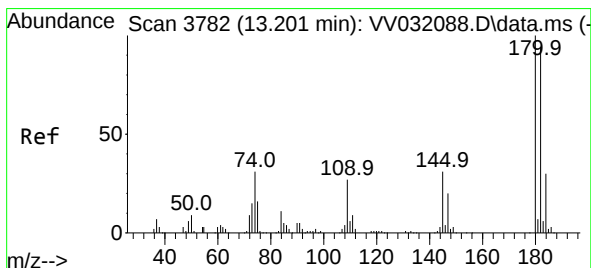
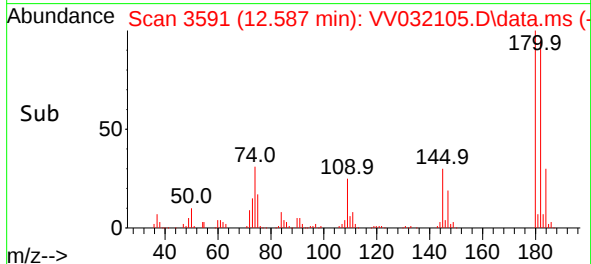
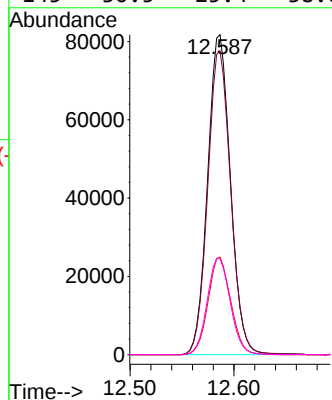
Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

184 30.3 23.7 35.5

145 30.5 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 46.936 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

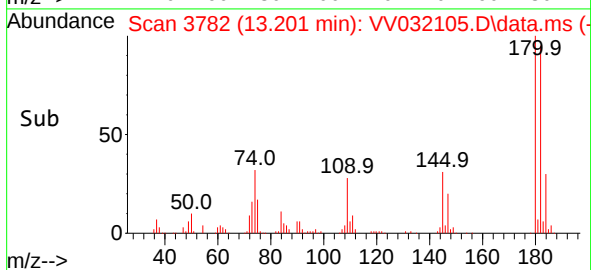
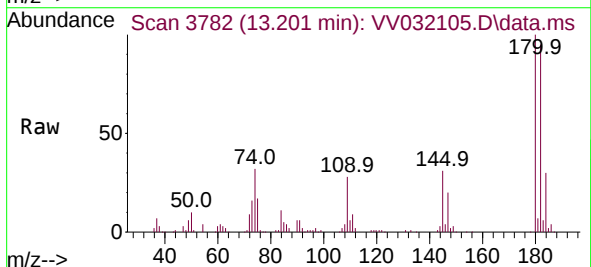
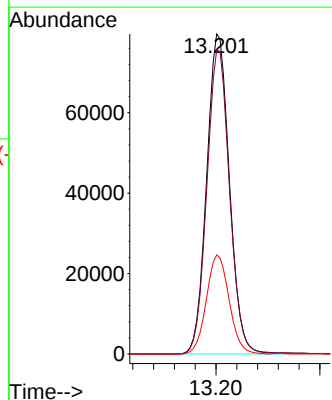
Tgt Ion:180 Resp: 120845

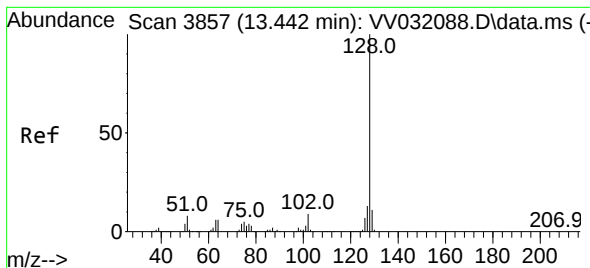
Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 31.0 26.0 39.0





#71

Naphthalene

Concen: 48.056 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Instrument :

MSVOA_V

ClientSampleId :

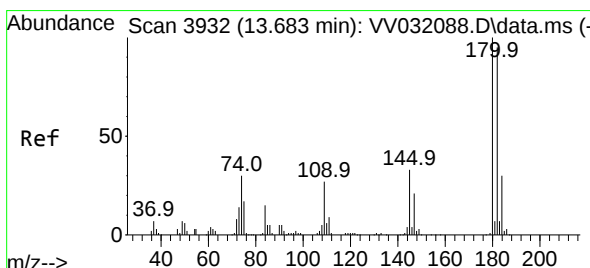
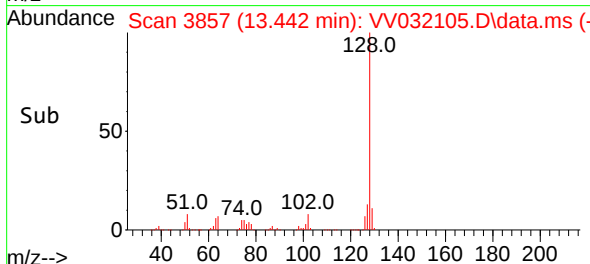
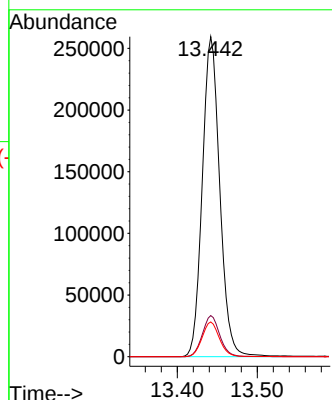
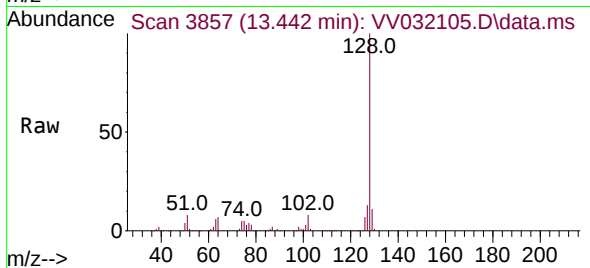
Tgt Ion:128 Resp: 395306

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.930 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032105.D

Acq: 14 Sep 2023 22:10

Tgt Ion:180 Resp: 123185

Ion Ratio Lower Upper

180 100

182 94.9 76.7 115.1

145 32.6 27.7 41.5

