

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032814.D
 Acq On : 31 Oct 2023 21:18
 Operator : SY/MD
 Sample : 05105-14MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 05:53:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	349603	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	388731	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	214732	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	143920	43.282	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.560%
7) Chloroethane-d5	1.532	69	121317	43.623	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.240%
11) 1,1-Dichloroethene-d2	2.060	65	58224	42.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.780%
21) 2-Butanone-d5	3.786	46	136274	94.483	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.480%
24) Chloroform-d	4.252	84	238348	44.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.820%
26) 1,2-Dichloroethane-d4	4.944	65	151556	45.944	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.880%
32) Benzene-d6	4.963	84	461375	46.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.320%
36) 1,2-Dichloropropane-d6	5.989	67	135564	44.645	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.280%
41) Toluene-d8	7.246	98	471507	47.910	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.820%
43) trans-1,3-Dichloroprop...	7.555	79	75119	47.500	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
47) 2-Hexanone-d5	8.027	63	110091	99.312	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.310%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	215145	46.691	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.380%
66) 1,2-Dichlorobenzene-d4	11.564	152	192101	46.423	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	136796	44.469	ug/L	100
3) Chloromethane	1.217	50	134666	45.250	ug/L	99
5) Vinyl chloride	1.285	62	142413	44.878	ug/L	100
6) Bromomethane	1.487	94	96923	43.773	ug/L	96
8) Chloroethane	1.548	64	98375	46.049	ug/L	100
9) Trichlorofluoromethane	1.716	101	223005	44.097	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	134153	43.843	ug/L	99
12) 1,1-Dichloroethene	2.072	96	118951	45.491	ug/L	81
13) Acetone	2.111	43	114183	47.297	ug/L	97
14) Carbon disulfide	2.243	76	284814	45.629	ug/L	100
15) Methyl Acetate	2.375	43	108192	44.200	ug/L	98
16) Methylene chloride	2.449	84	133935	38.616	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	114592	45.916	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	365358	49.572	ug/L	99
19) 1,1-Dichloroethane	3.114	63	213910	44.976	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	128900	46.766	ug/L	99
22) 2-Butanone	3.867	43	151623	74.058	ug/L	95
23) Bromochloromethane	4.149	128	70047	45.533	ug/L	94
25) Chloroform	4.278	83	244324	45.072	ug/L	98

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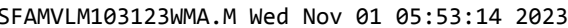
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 QLast Update : Wed Nov 01 05:44:49 2023
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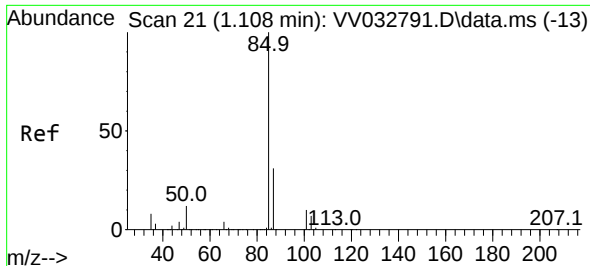
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.043	62	192898	49.377	ug/L	99
29) Cyclohexane	4.587	56	162283	46.451	ug/L #	92
30) 1,1,1-Trichloroethane	4.516	97	211714	45.458	ug/L	99
31) Carbon tetrachloride	4.738	117	183061	44.481	ug/L	99
33) Benzene	5.011	78	492106	47.741	ug/L	100
34) Trichloroethene	5.834	95	129278	45.054	ug/L	98
35) Methylcyclohexane	6.053	83	212587	47.348	ug/L	99
37) 1,2-Dichloropropane	6.095	63	119719	43.754	ug/L	100
38) Bromodichloromethane	6.436	83	200019	46.597	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	211896	51.621	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	345739	106.622	ug/L	100
42) Toluene	7.317	91	587765	50.071	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	207800	49.285	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	149040	47.489	ug/L	98
46) Tetrachloroethene	7.908	164	115569	44.638	ug/L	98
48) 2-Hexanone	8.075	43	261401	89.847	ug/L	98
49) Dibromochloromethane	8.178	129	155304	47.332	ug/L	100
50) 1,2-Dibromoethane	8.284	107	157707	49.324	ug/L	98
51) Chlorobenzene	8.815	112	389713	46.894	ug/L	99
52) Ethylbenzene	8.947	91	644661	49.785	ug/L	99
53) m,p-Xylene	9.075	106	249798	50.687	ug/L	100
54) o-Xylene	9.480	106	239902	50.248	ug/L	97
55) Styrene	9.497	104	431675	51.882	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	227249	48.347	ug/L	99
59) Bromoform	9.667	173	112532	46.741	ug/L	99
60) Isopropylbenzene	9.870	105	660748	50.740	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	171057	47.692	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	520625	50.805	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	515512	52.589	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	322526	47.541	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	332401	46.437	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	330685	47.747	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	43829	46.953	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	231551	47.279	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	209125	49.374	ug/L	99
71) Naphthalene	13.442	128	611938	57.856	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	219575	51.923	ug/L	100

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

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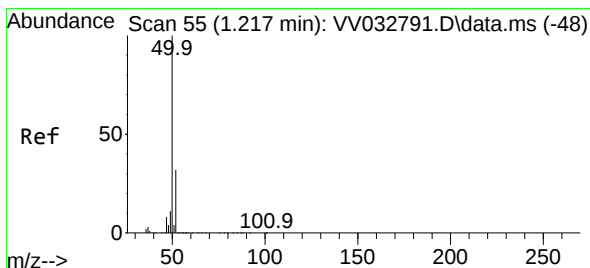
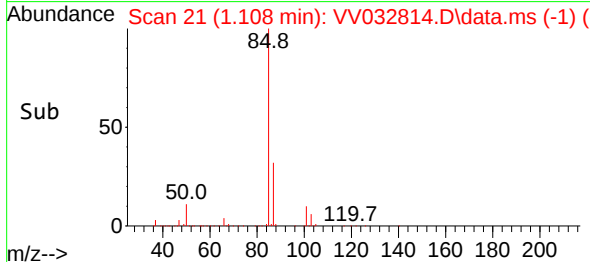
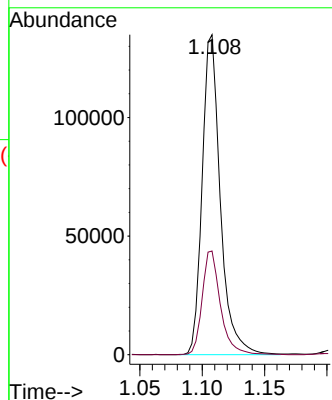
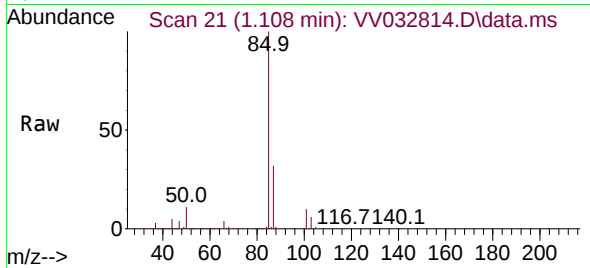




#2
Dichlorodifluoromethane
Concen: 44.469 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

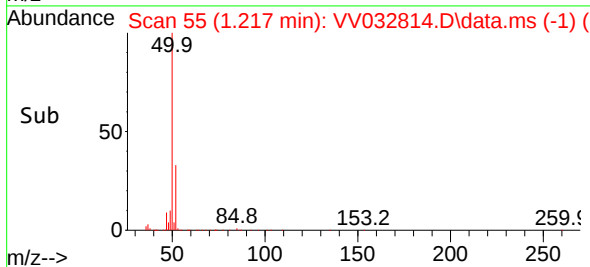
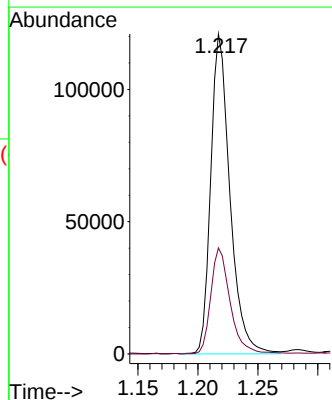
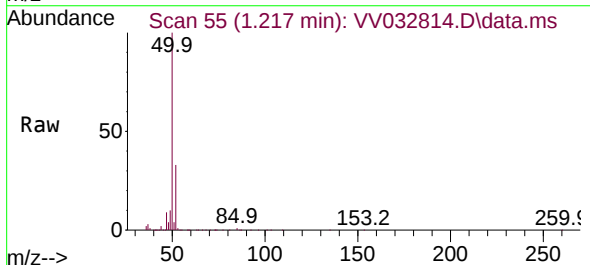
Instrument :
MSVOA_V
ClientSampleId :

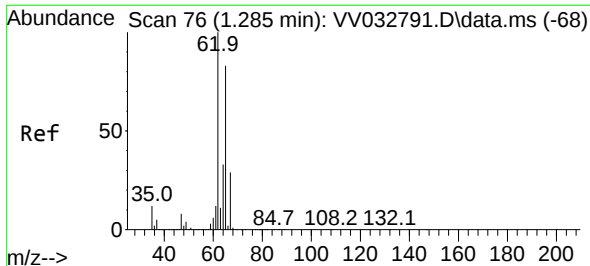
Tgt Ion: 85 Resp: 136796
Ion Ratio Lower Upper
85 100
87 32.7 26.2 39.4



#3
Chloromethane
Concen: 45.250 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion: 50 Resp: 134666
Ion Ratio Lower Upper
50 100
52 33.2 23.5 43.7



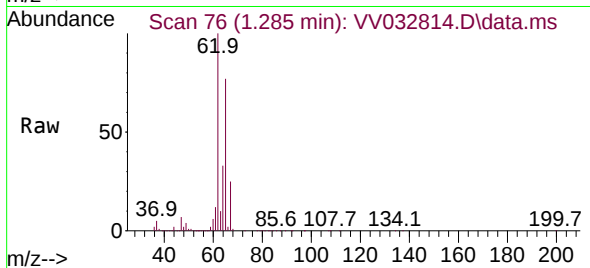


#5
 Vinyl chloride
 Concen: 44.878 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032814.D
 Acq: 31 Oct 2023 21:18

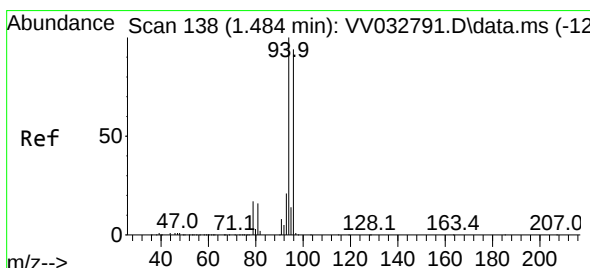
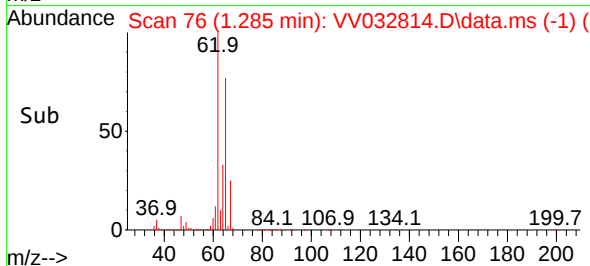
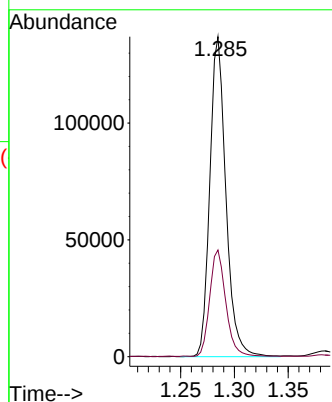
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MSVOA_V

ClientSampleId :

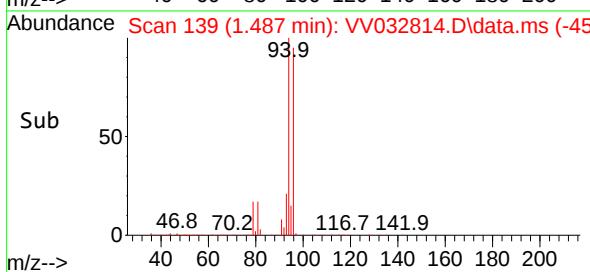
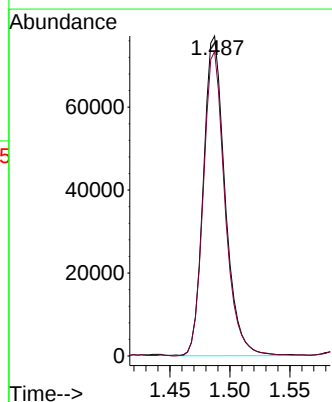
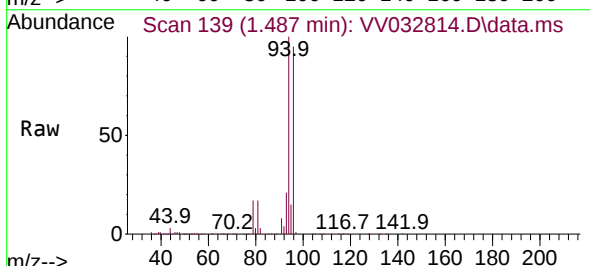


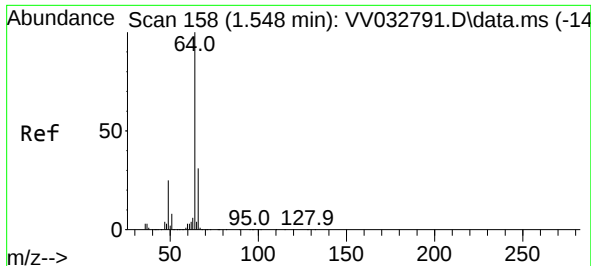
Tgt Ion: 62 Resp: 142413
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.2 43.0



#6
 Bromomethane
 Concen: 43.773 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV032814.D
 Acq: 31 Oct 2023 21:18

Tgt Ion: 94 Resp: 96923
 Ion Ratio Lower Upper
 94 100
 96 95.1 64.2 119.2

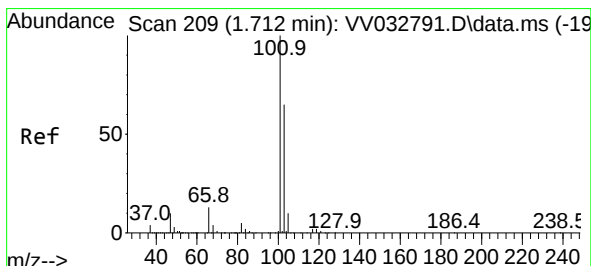
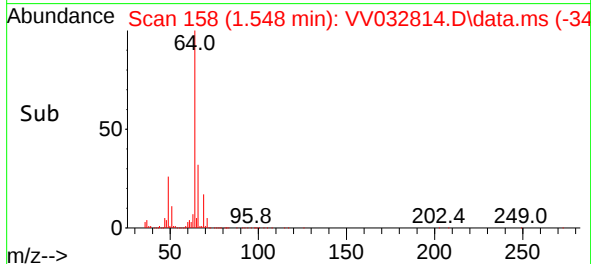
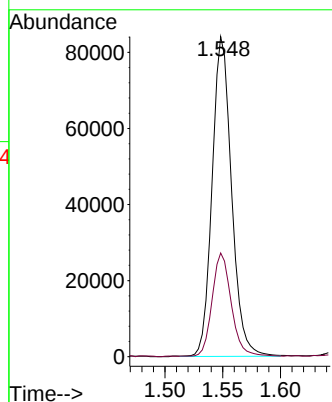
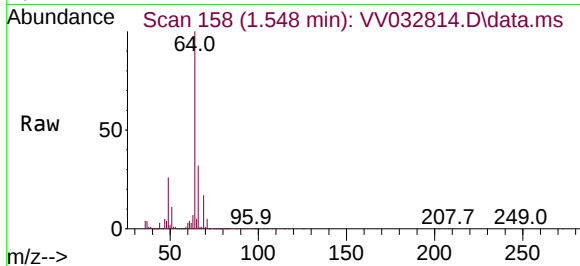




#8
Chloroethane
Concen: 46.049 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

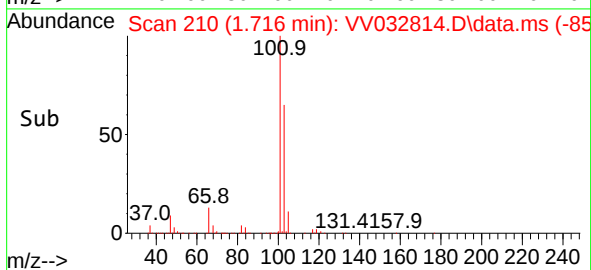
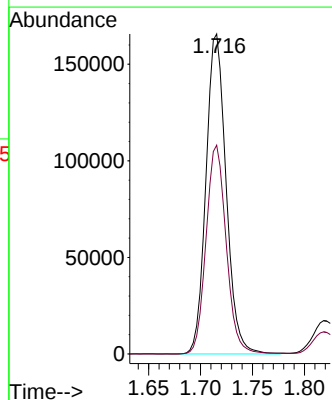
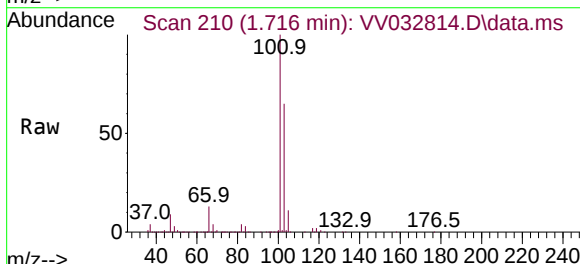
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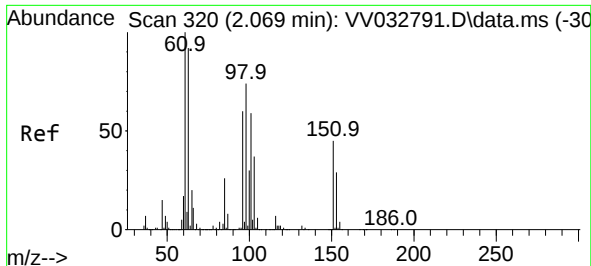
Tgt Ion: 64 Resp: 98375
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 44.097 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion:101 Resp: 223005
Ion Ratio Lower Upper
101 100
103 65.3 51.7 77.5





#10

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

Concen: 43.843 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

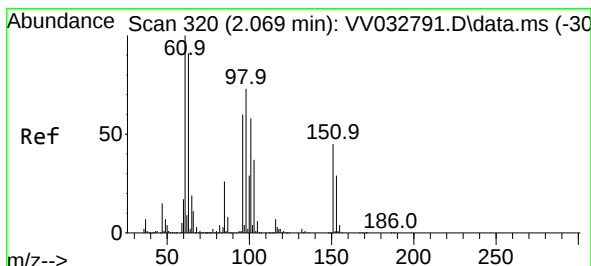
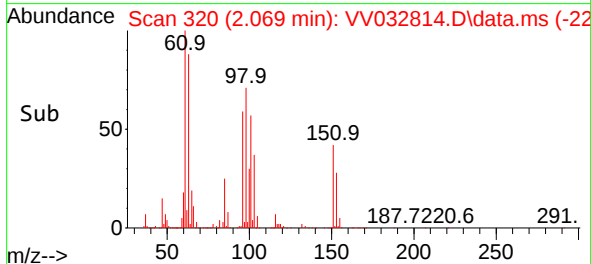
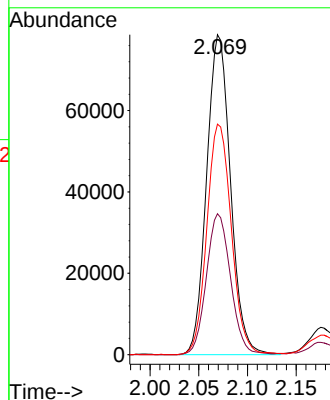
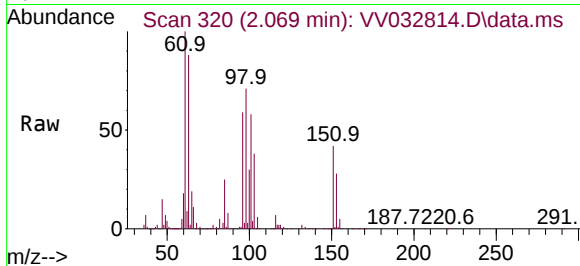
Tgt Ion:101 Resp: 134153

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

151 73.7 59.9 89.9



#12

1,1-Dichloroethene

Concen: 45.491 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

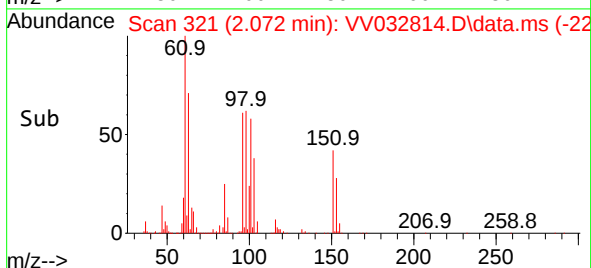
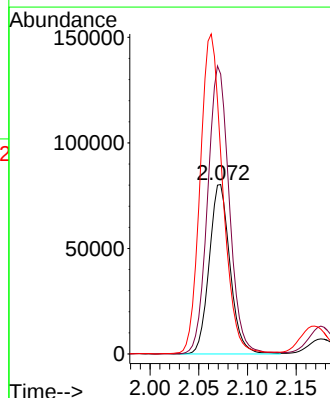
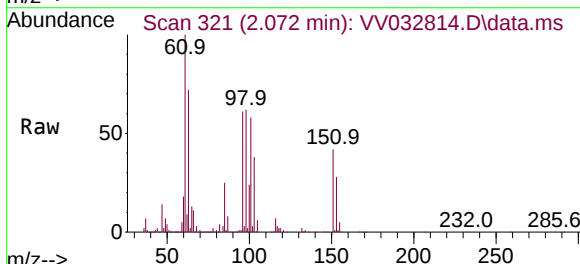
Tgt Ion: 96 Resp: 118951

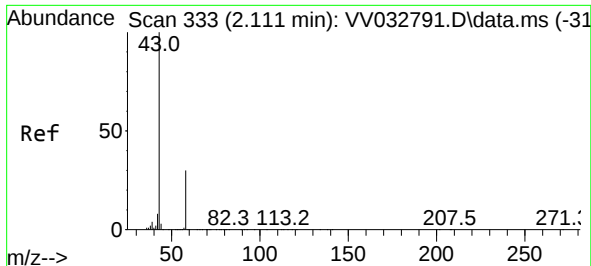
Ion Ratio Lower Upper

96 100

61 165.2 124.2 230.6

63 118.2 111.8 207.6





#13

Acetone

Concen: 47.297 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

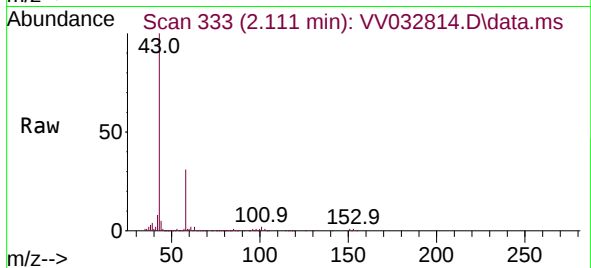
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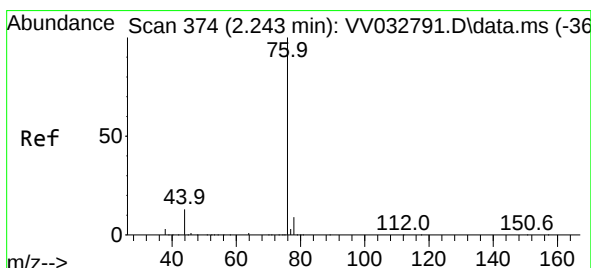
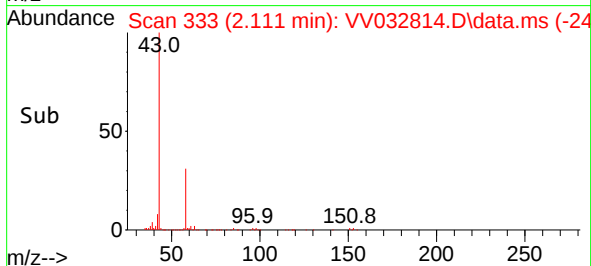
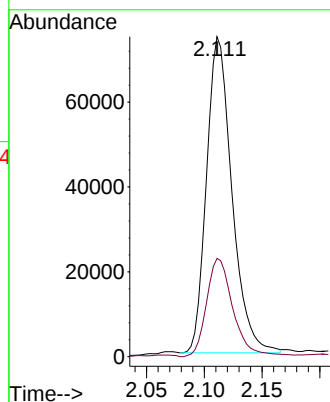


Tgt Ion: 43 Resp: 114183

Ion Ratio Lower Upper

43 100

58 32.4 0.0 61.2



#14

Carbon disulfide

Concen: 45.629 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032814.D

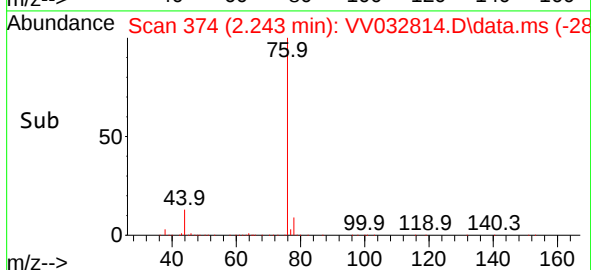
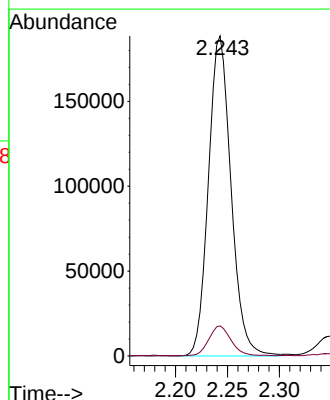
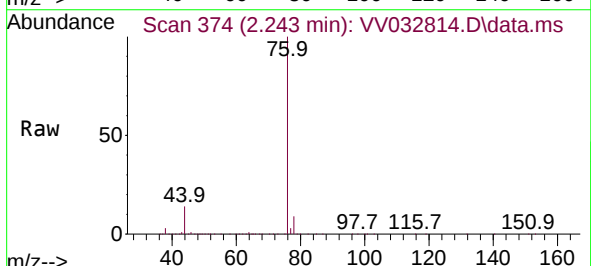
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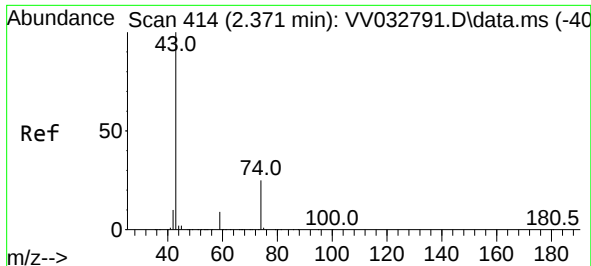
Tgt Ion: 76 Resp: 284814

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

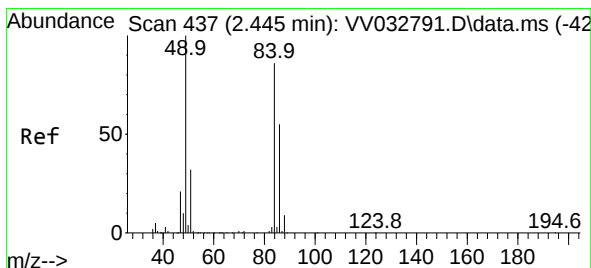
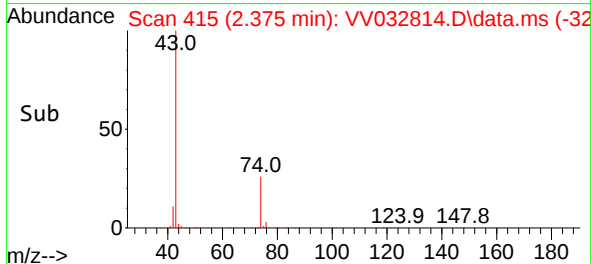
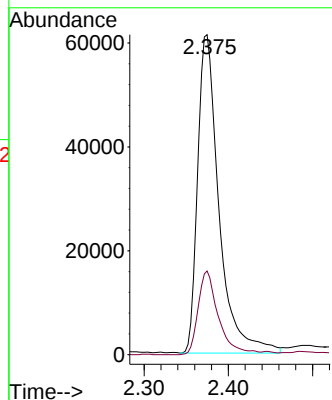
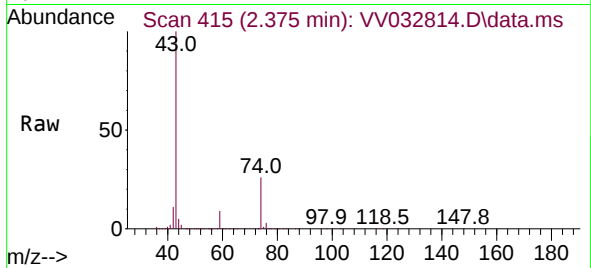




#15
Methyl Acetate
Concen: 44.200 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

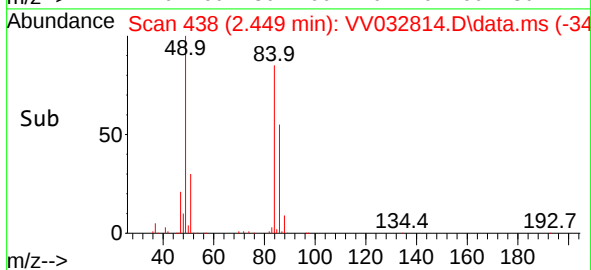
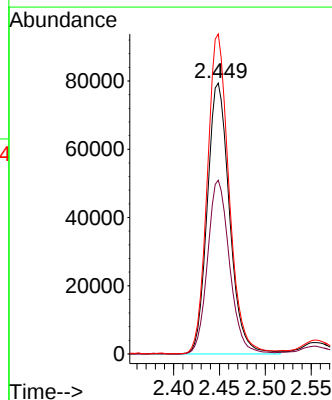
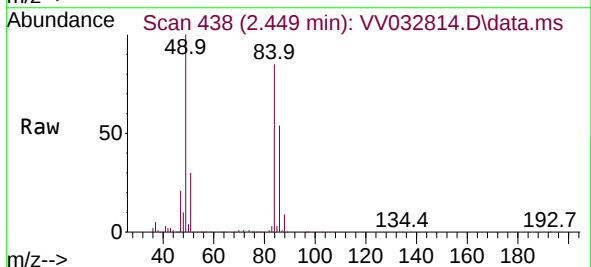
Instrument :
MSVOA_V
ClientSampleId :

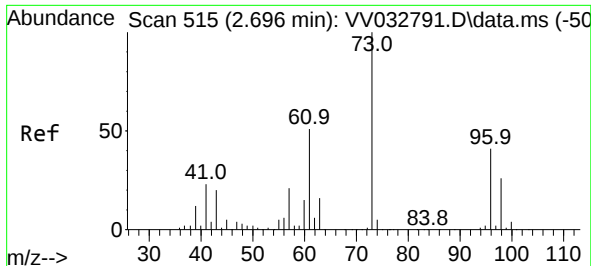
Tgt Ion: 43 Resp: 108192
Ion Ratio Lower Upper
43 100
74 24.5 20.6 30.8



#16
Methylene chloride
Concen: 38.616 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion: 84 Resp: 133935
Ion Ratio Lower Upper
84 100
86 64.1 45.0 83.6
49 118.1 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 45.916 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

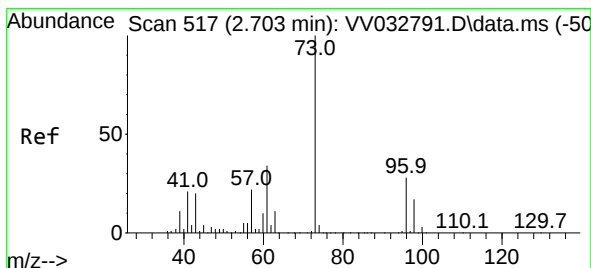
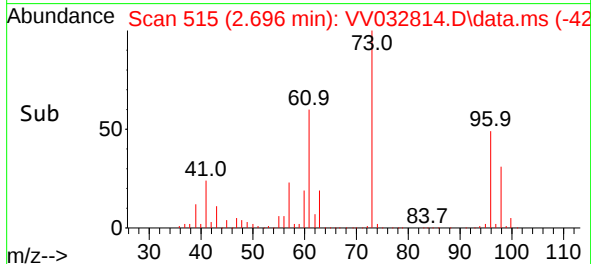
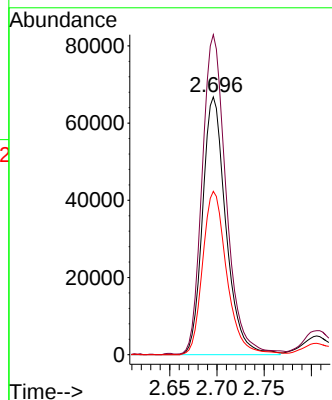
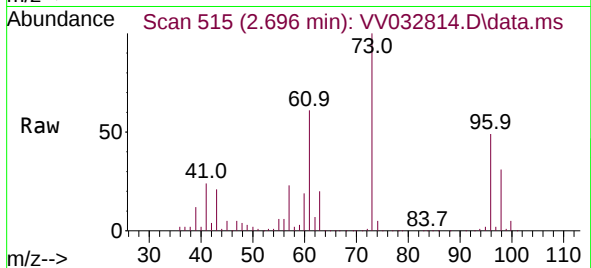
Tgt Ion: 96 Resp: 114592

Ion Ratio Lower Upper

96 100

61 124.2 86.9 161.3

98 63.4 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 49.572 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

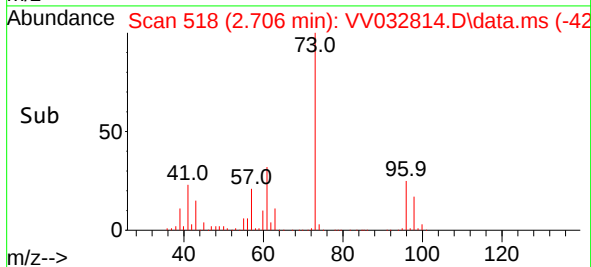
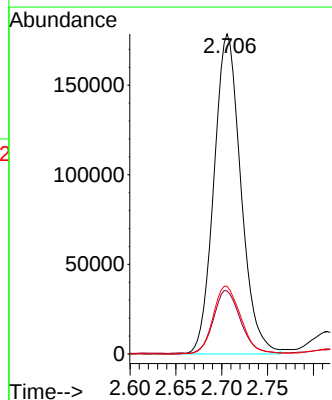
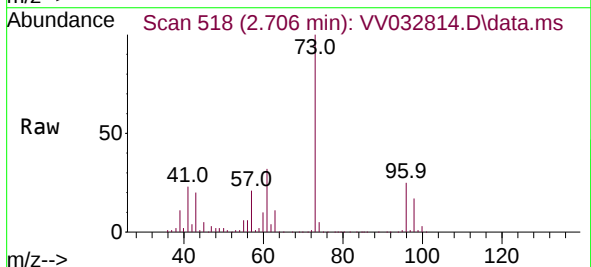
Tgt Ion: 73 Resp: 365358

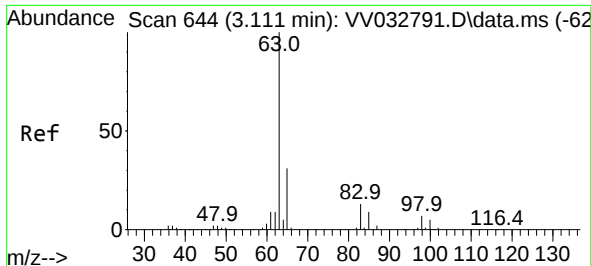
Ion Ratio Lower Upper

73 100

43 19.6 16.1 24.1

57 21.5 17.4 26.0





#19

1,1-Dichloroethane

Concen: 44.976 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

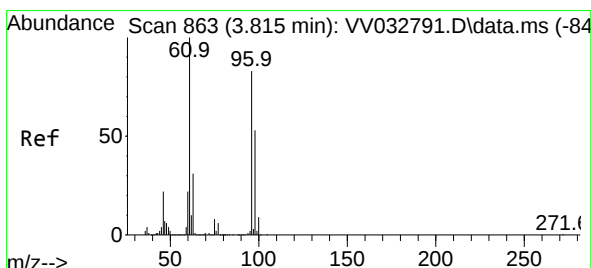
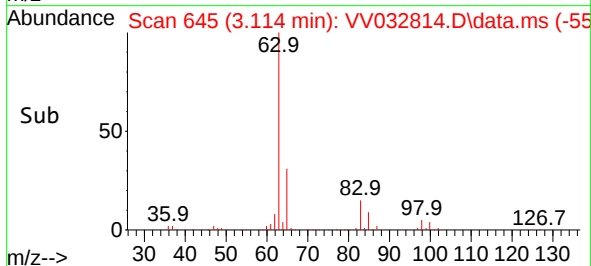
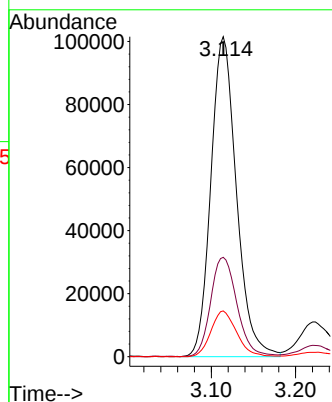
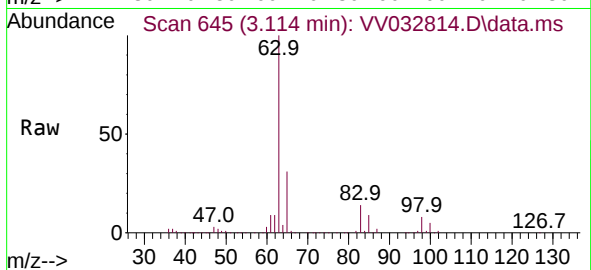
Tgt Ion: 63 Resp: 213910

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.5

83 14.3 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 46.766 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

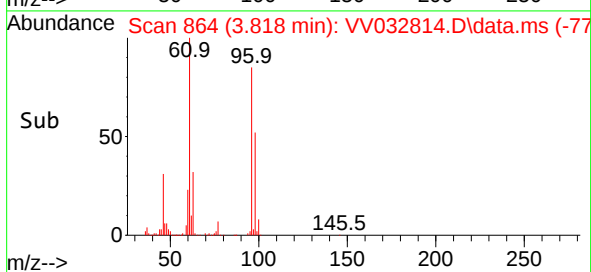
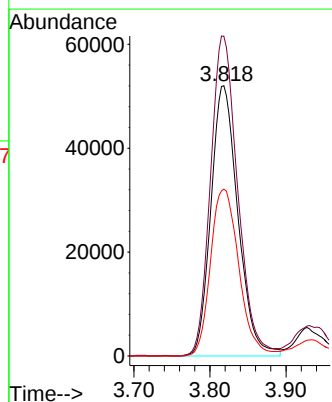
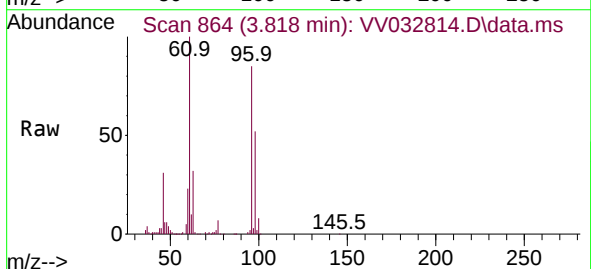
Tgt Ion: 96 Resp: 128900

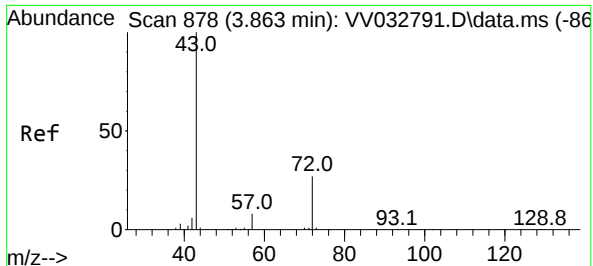
Ion Ratio Lower Upper

96 100

61 118.3 83.3 154.7

98 61.8 44.2 82.2

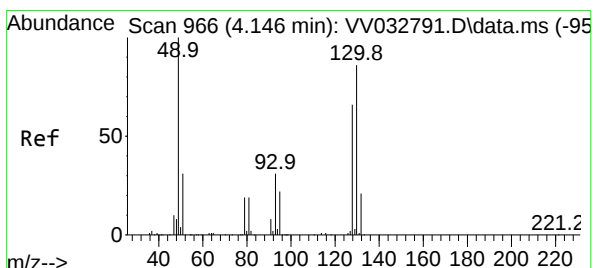
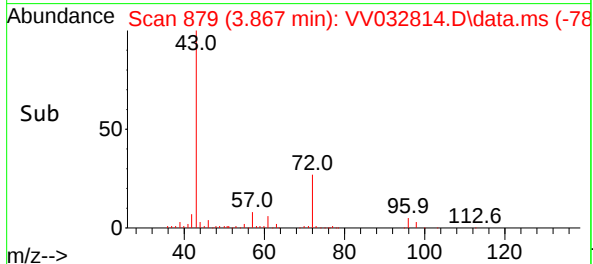
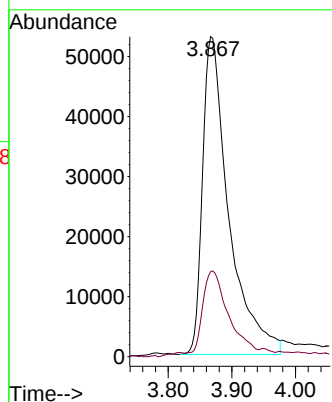
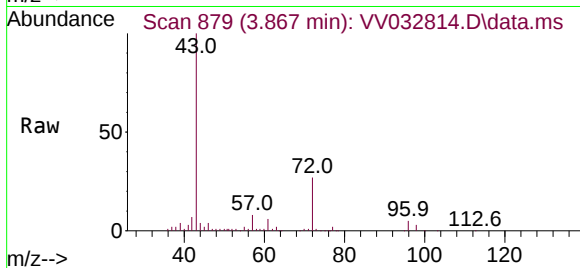




#22
2-Butanone
Concen: 74.058 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

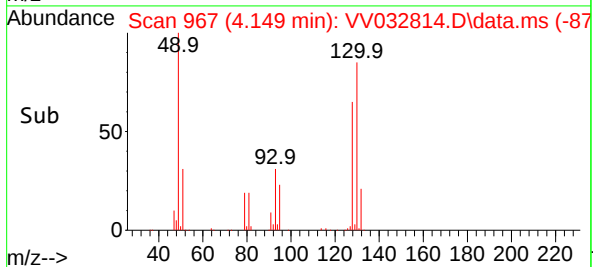
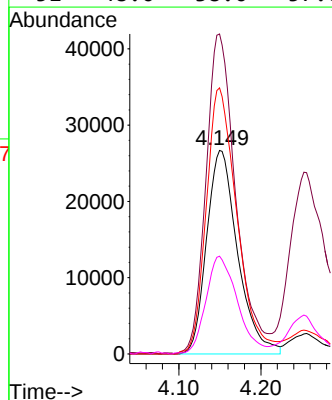
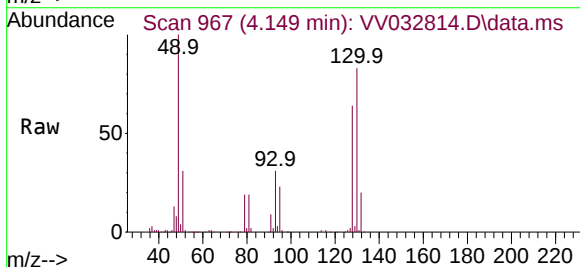
Instrument :
MSVOA_V
ClientSampleId :

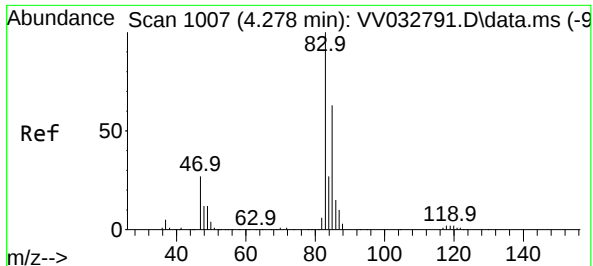
Tgt Ion: 43 Resp: 151623
Ion Ratio Lower Upper
43 100
72 24.4 13.5 40.4



#23
Bromochloromethane
Concen: 45.533 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion:128 Resp: 70047
Ion Ratio Lower Upper
128 100
49 157.2 101.0 187.6
130 130.7 88.5 164.4
51 48.0 38.0 57.0





#25

Chloroform

Concen: 45.072 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

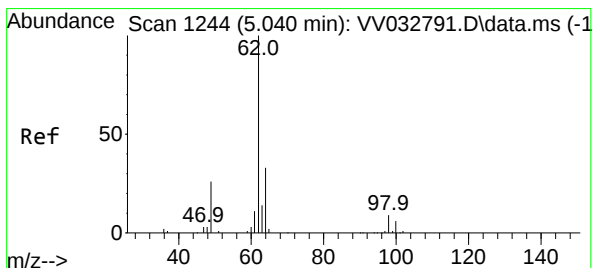
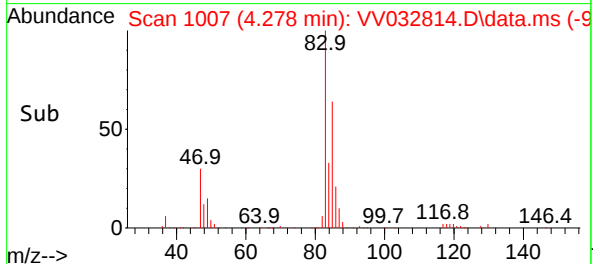
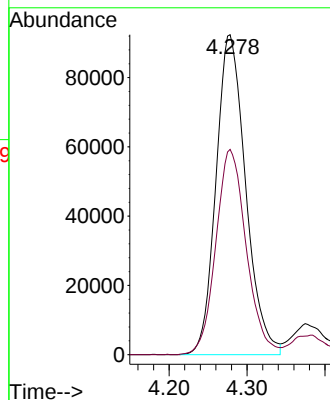
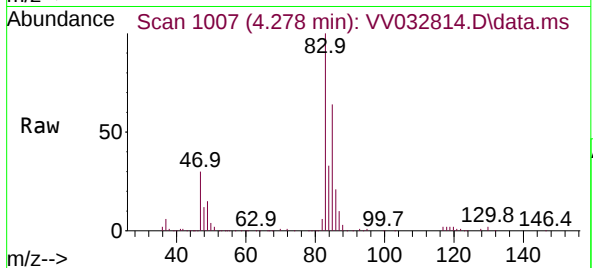
ClientSampleId :

Tgt Ion: 83 Resp: 244324

Ion Ratio Lower Upper

83 100

85 64.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 49.377 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032814.D

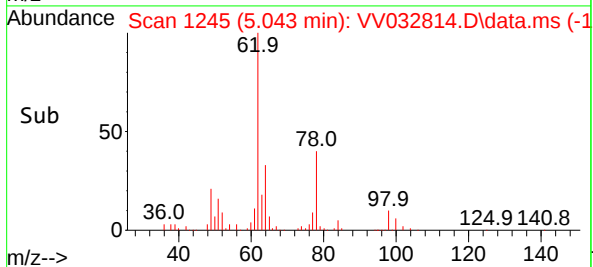
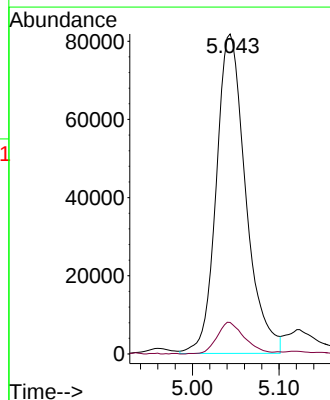
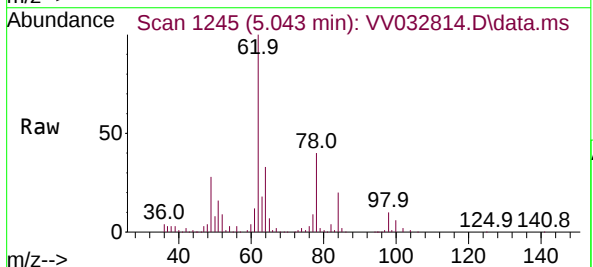
Acq: 31 Oct 2023 21:18

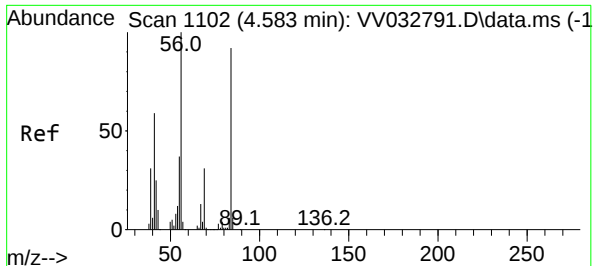
Tgt Ion: 62 Resp: 192898

Ion Ratio Lower Upper

62 100

98 9.9 7.5 11.3

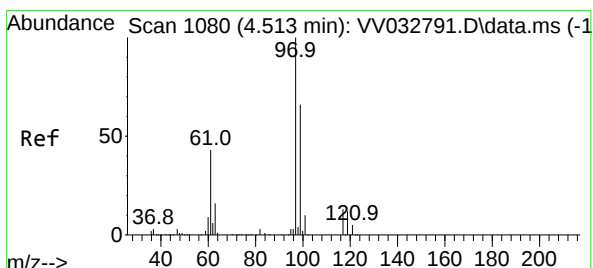
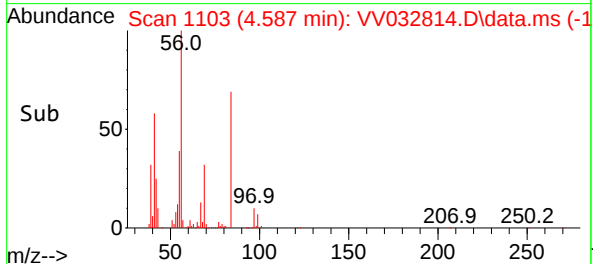
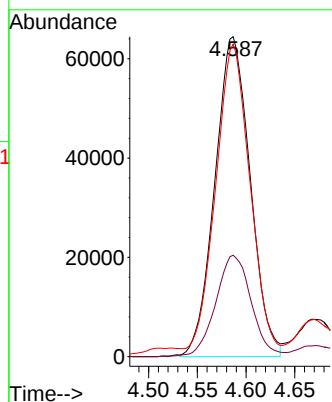
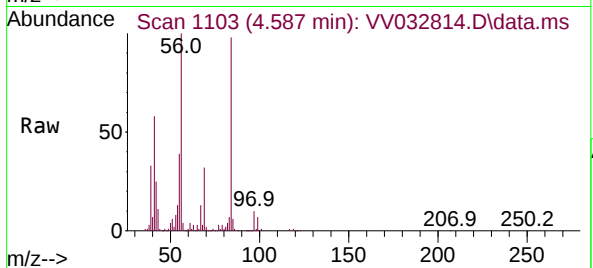




#29
Cyclohexane
Concen: 46.451 ug/L
RT: 4.587 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

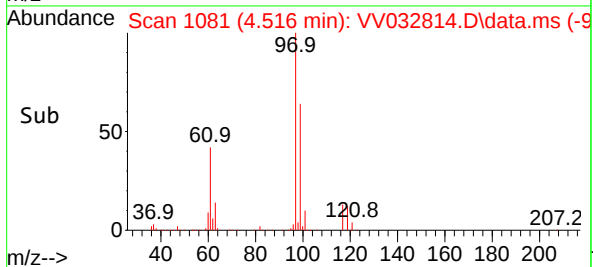
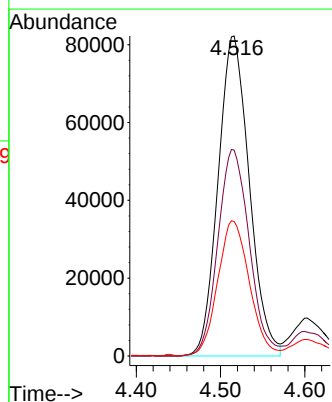
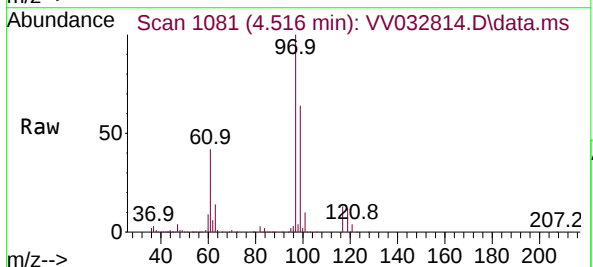
Instrument :
MSVOA_V
ClientSampleId :

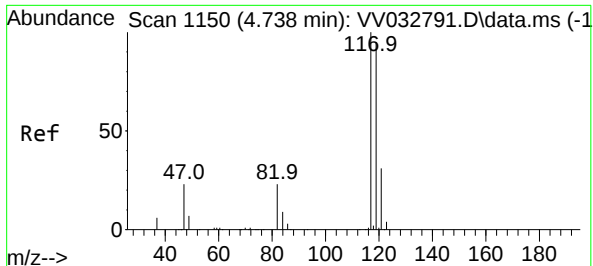
Tgt Ion: 56 Resp: 162283
Ion Ratio Lower Upper
56 100
69 31.9 13.4 20.0#
84 90.7 75.3 112.9



#30
1,1,1-Trichloroethane
Concen: 45.458 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.003 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion: 97 Resp: 211714
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 43.0 34.8 52.2

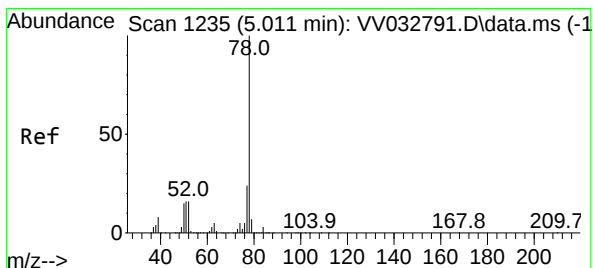
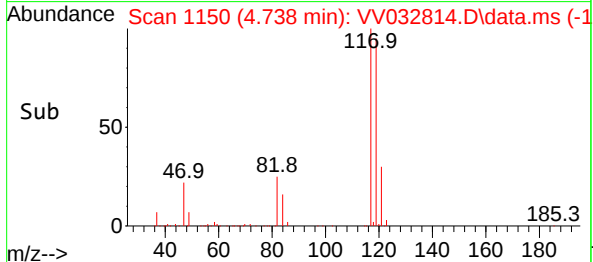
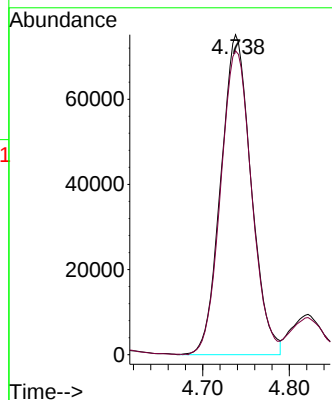
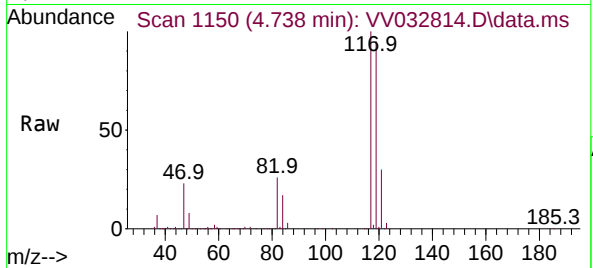




#31
Carbon tetrachloride
Concen: 44.481 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

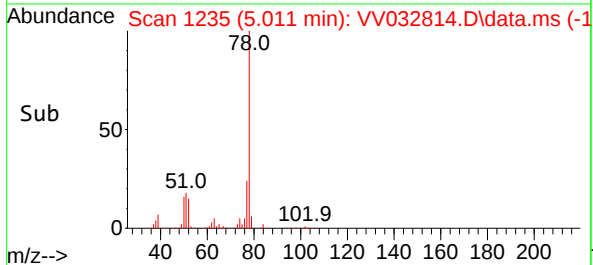
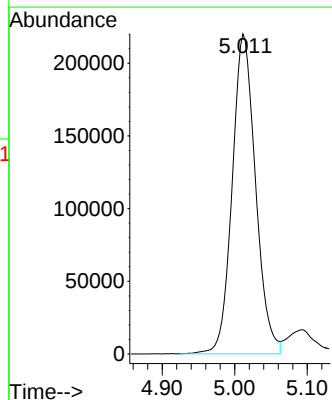
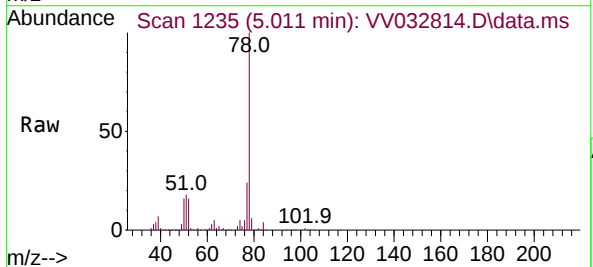
Instrument :
MSVOA_V
ClientSampleId :

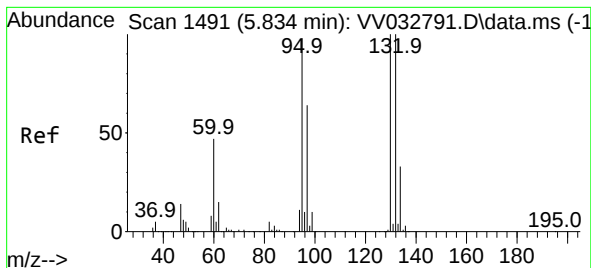
Tgt Ion:117 Resp: 183061
Ion Ratio Lower Upper
117 100
119 96.5 76.6 115.0



#33
Benzene
Concen: 47.741 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion: 78 Resp: 492106





#34

Trichloroethene

Concen: 45.054 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

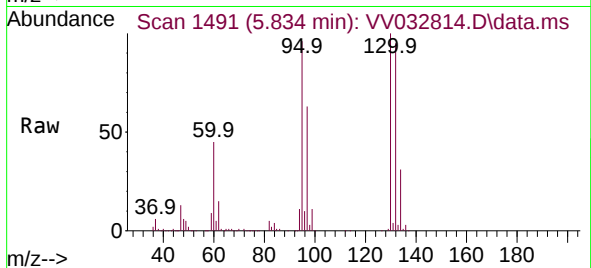
Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 129278

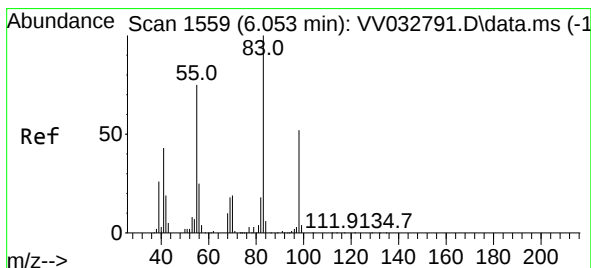
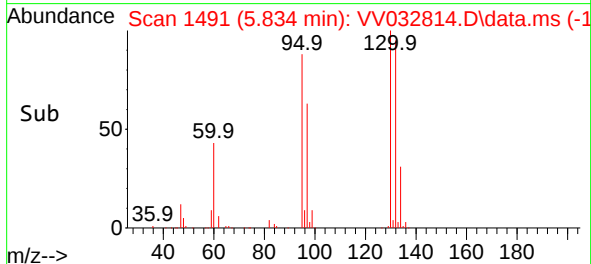
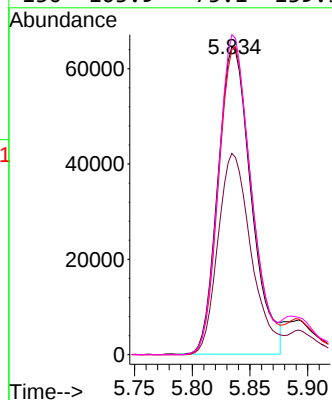
Ion Ratio Lower Upper

95 100

97 65.4 46.3 85.9

132 99.1 69.0 128.2

130 103.9 75.1 139.5



#35

Methylcyclohexane

Concen: 47.348 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

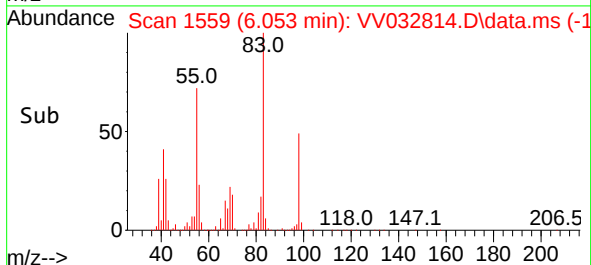
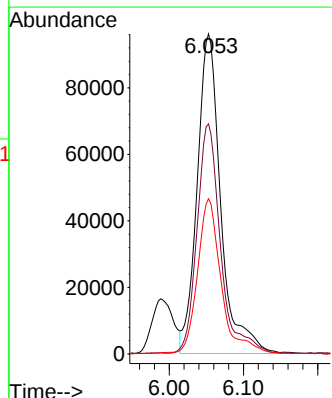
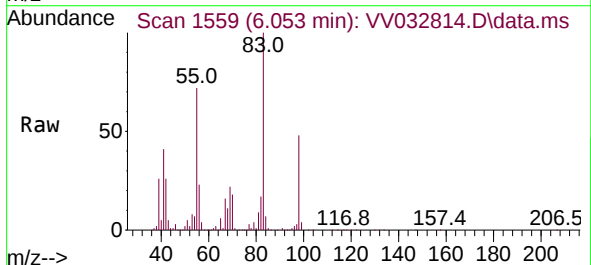
Tgt Ion: 83 Resp: 212587

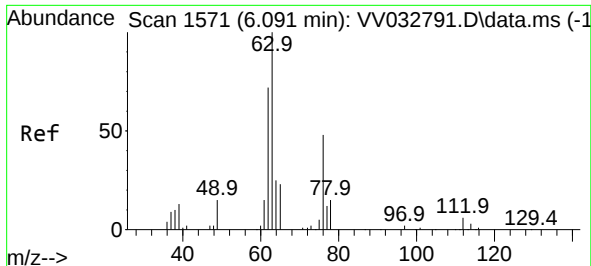
Ion Ratio Lower Upper

83 100

55 71.2 57.8 86.8

98 49.0 39.4 59.2





#37

1,2-Dichloropropane

Concen: 43.754 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

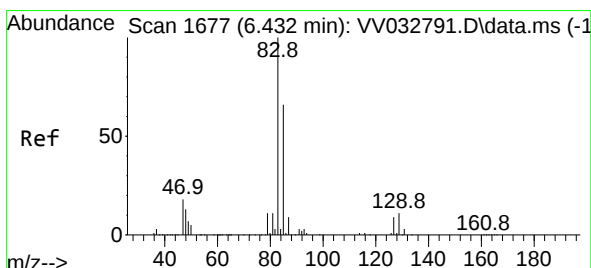
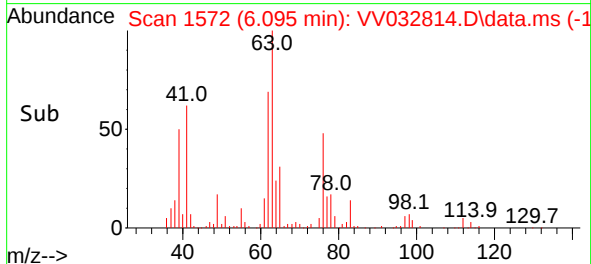
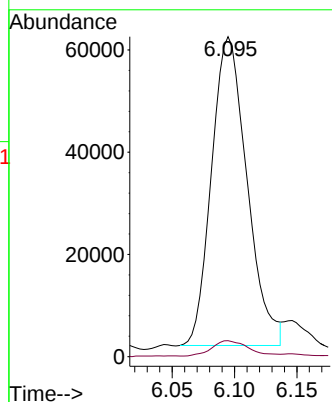
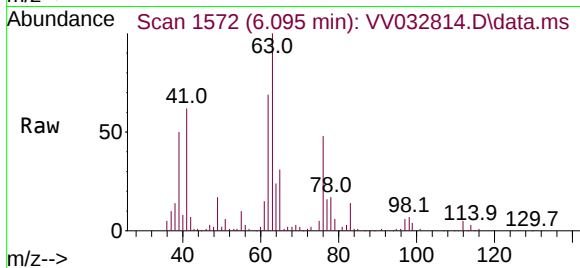
ClientSampleId :

Tgt Ion: 63 Resp: 119719

Ion Ratio Lower Upper

63 100

112 5.2 4.1 6.1



#38

Bromodichloromethane

Concen: 46.597 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

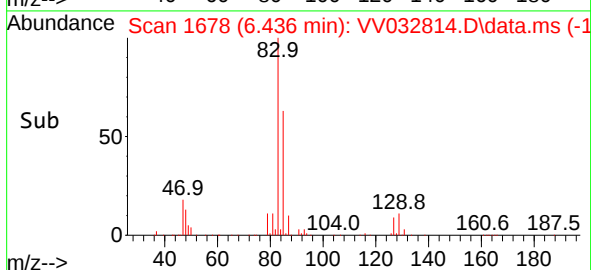
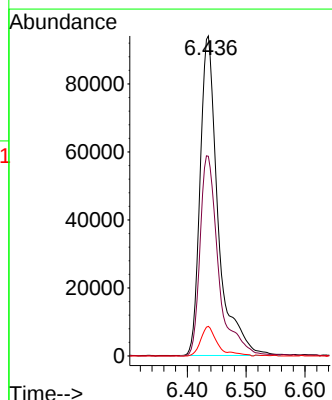
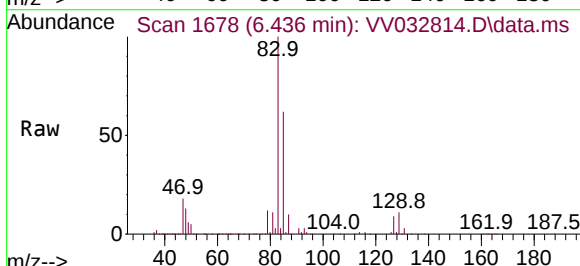
Tgt Ion: 83 Resp: 200019

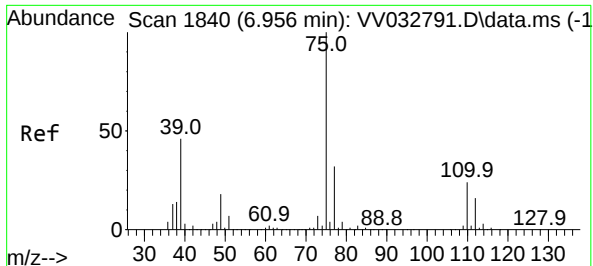
Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.9

127 9.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 51.621 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

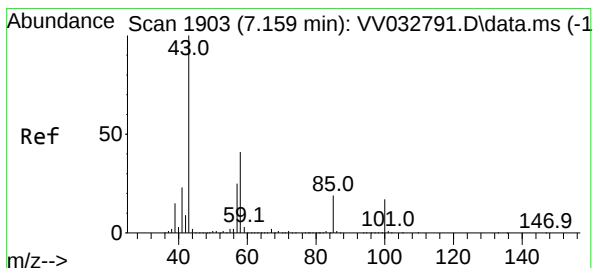
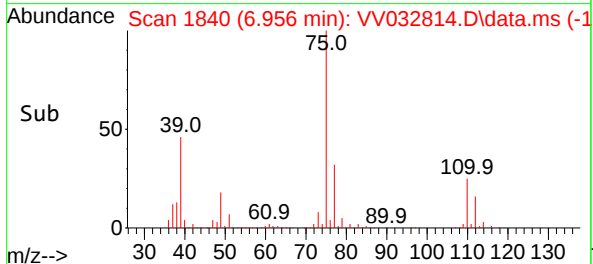
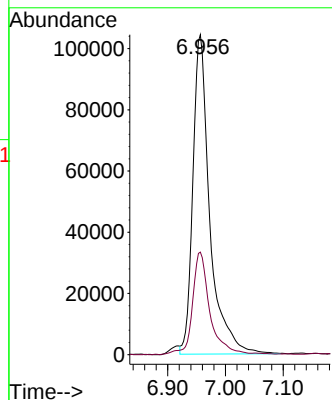
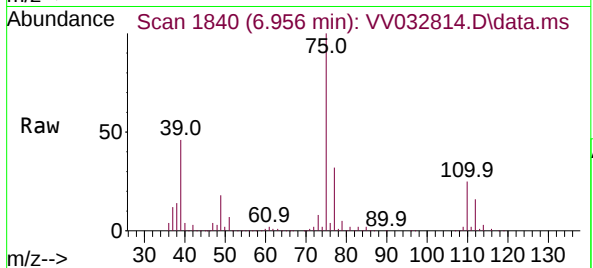
ClientSampleId :

Tgt Ion: 75 Resp: 211896

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 106.622 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

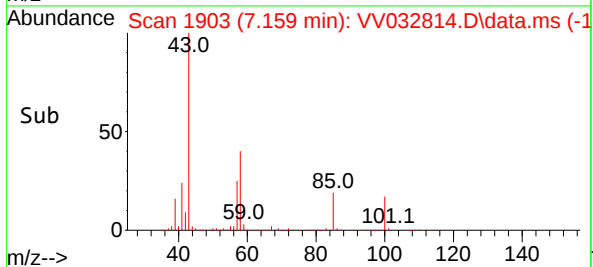
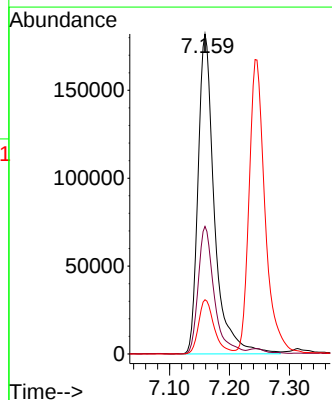
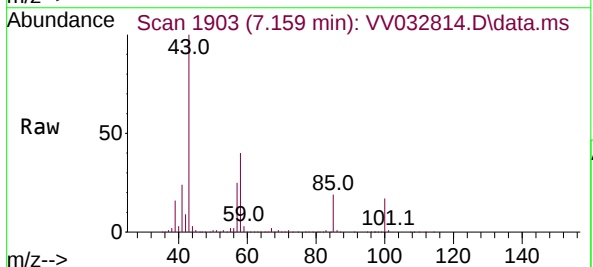
Tgt Ion: 43 Resp: 345739

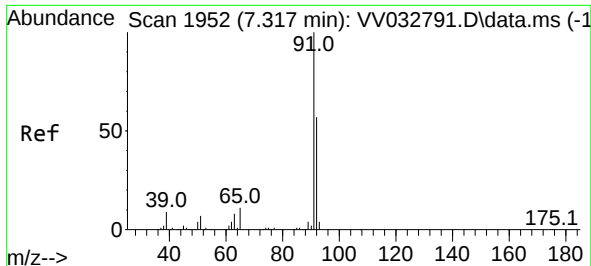
Ion Ratio Lower Upper

43 100

58 38.9 31.4 47.0

100 16.4 13.3 19.9





#42

Toluene

Concen: 50.071 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

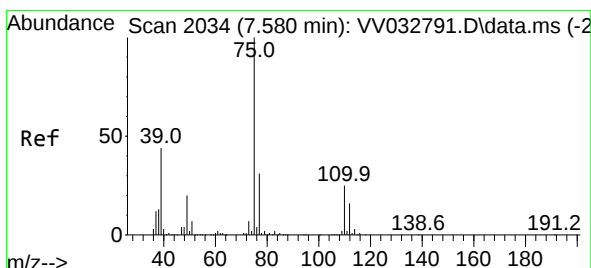
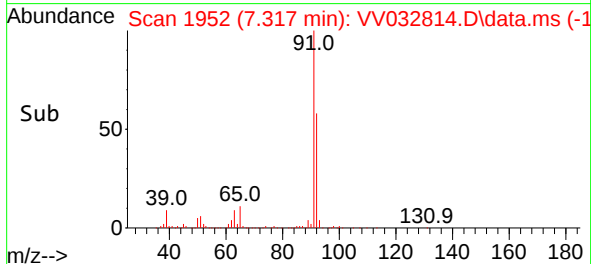
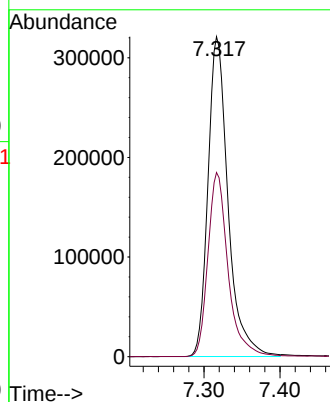
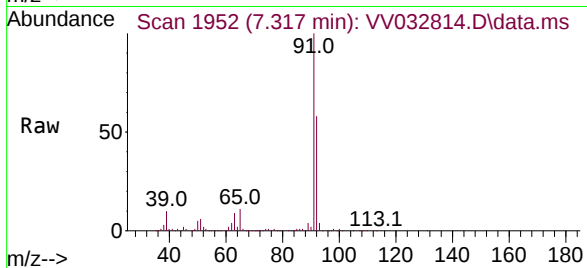
ClientSampleId :

Tgt Ion: 91 Resp: 587765

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 49.285 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032814.D

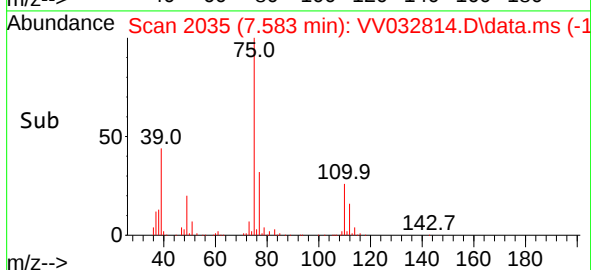
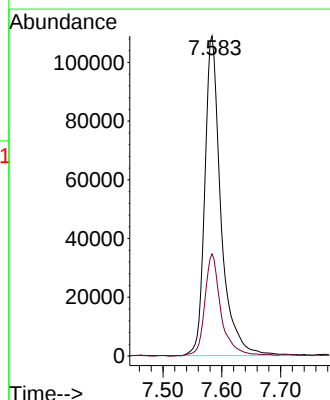
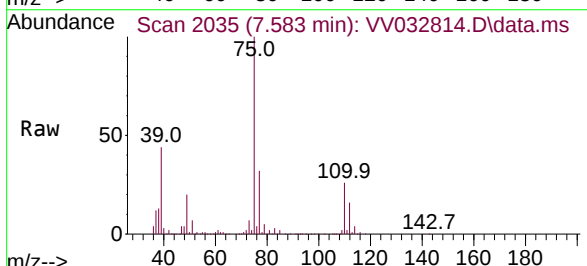
Acq: 31 Oct 2023 21:18

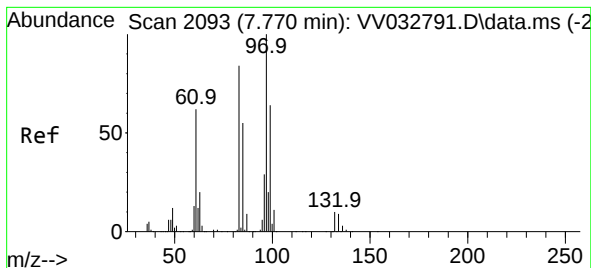
Tgt Ion: 75 Resp: 207800

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 47.489 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 149040

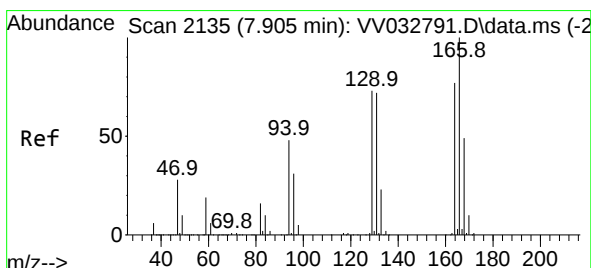
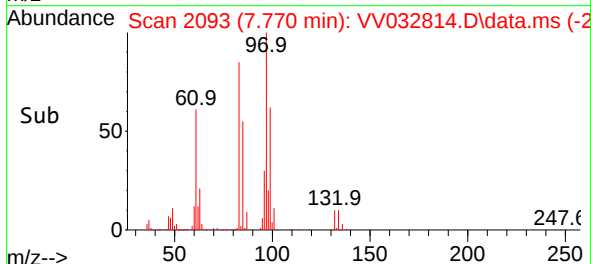
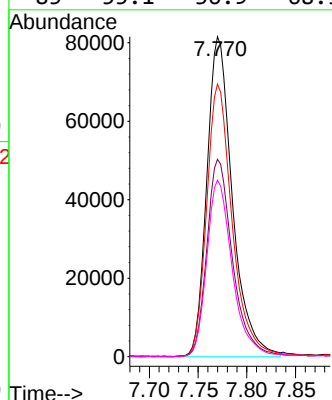
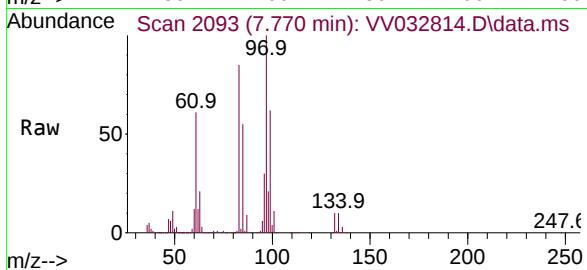
Ion Ratio Lower Upper

97 100

99 61.7 42.8 79.6

83 85.2 58.4 108.4

85 55.1 36.9 68.5



#46

Tetrachloroethene

Concen: 44.638 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Tgt Ion:164 Resp: 115569

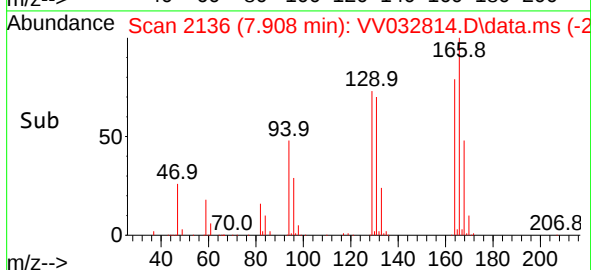
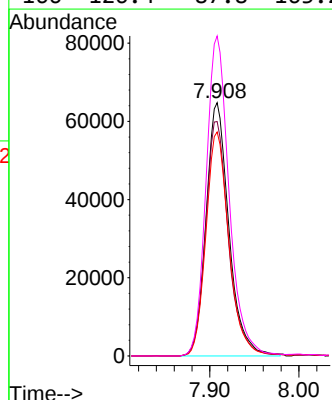
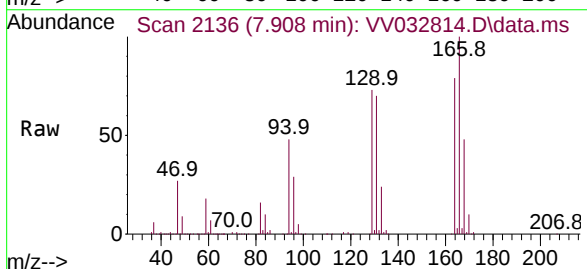
Ion Ratio Lower Upper

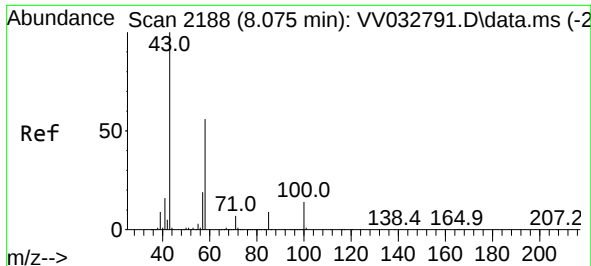
164 100

129 92.6 65.3 121.3

131 88.5 65.0 120.8

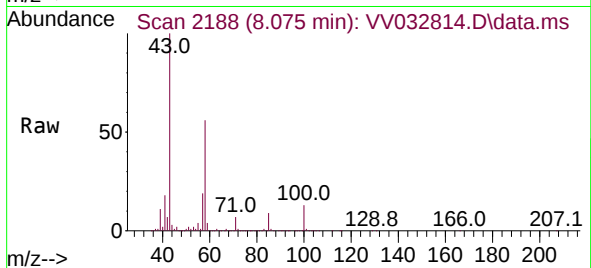
166 126.4 87.8 163.2



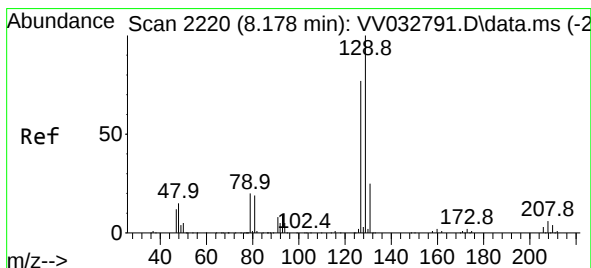
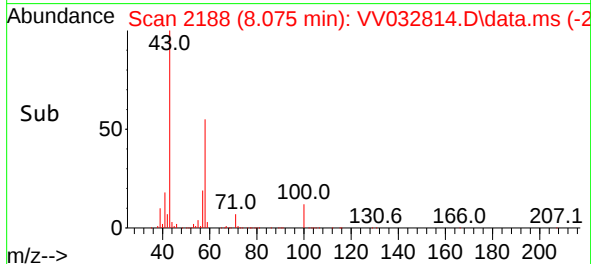
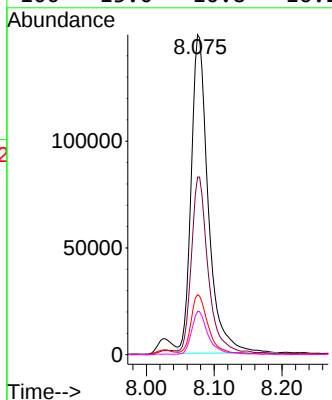


#48
2-Hexanone
Concen: 89.847 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Instrument :
MSVOA_V
ClientSampleId :

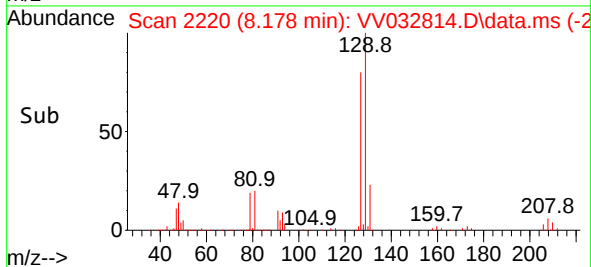
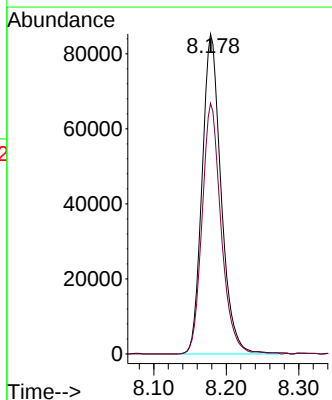
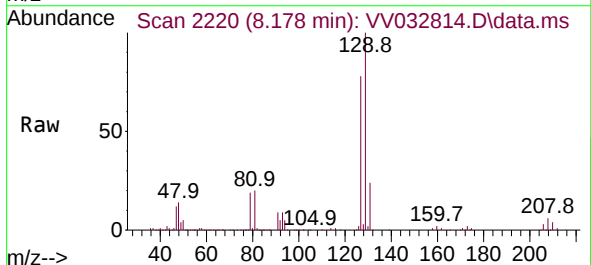


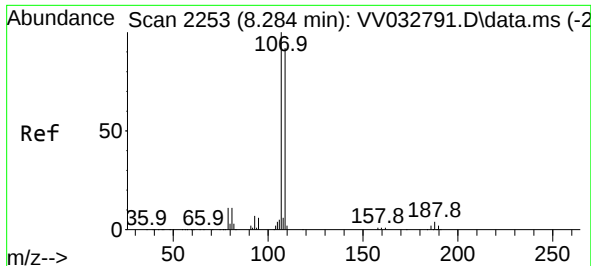
Tgt Ion: 43 Resp: 261401
Ion Ratio Lower Upper
43 100
58 52.6 43.3 64.9
57 18.4 15.5 23.3
100 13.0 10.8 16.2



#49
Dibromochloromethane
Concen: 47.332 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion: 129 Resp: 155304
Ion Ratio Lower Upper
129 100
127 78.3 54.7 101.5





#50

1,2-Dibromoethane

Concen: 49.324 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

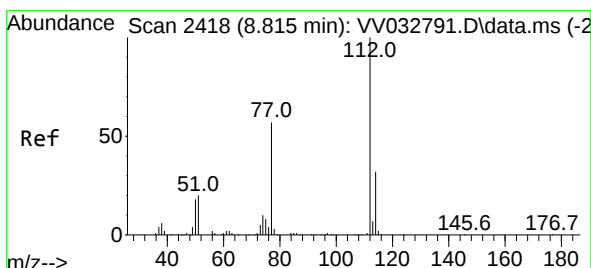
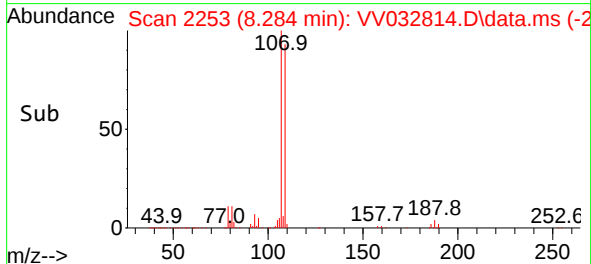
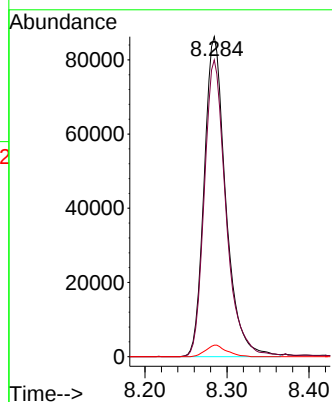
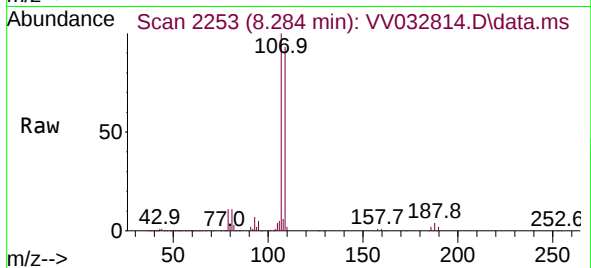
Tgt Ion:107 Resp: 157707

Ion Ratio Lower Upper

107 100

109 92.7 66.4 123.2

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 46.894 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

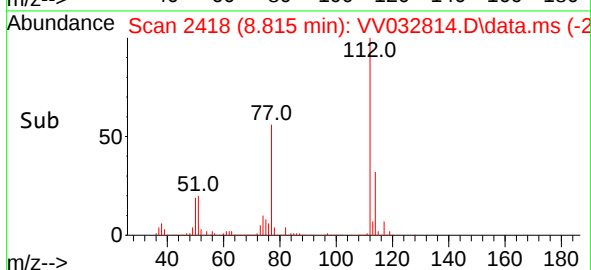
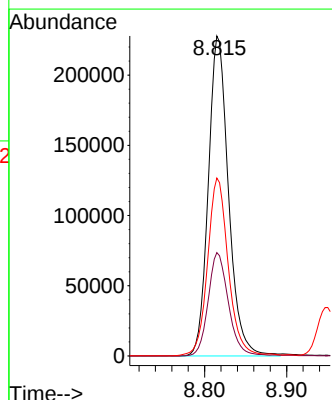
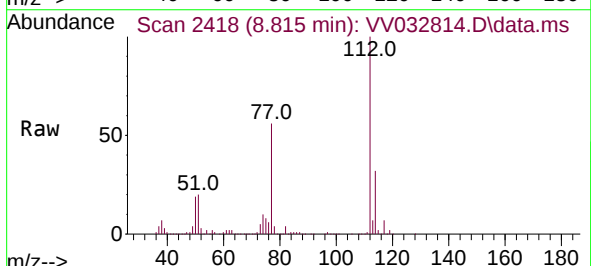
Tgt Ion:112 Resp: 389713

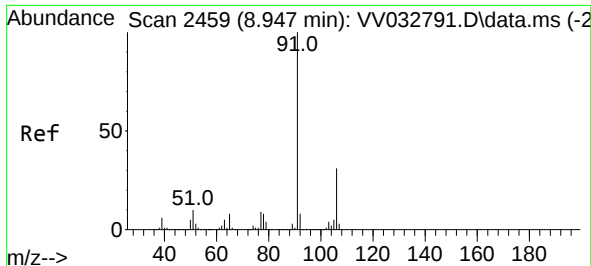
Ion Ratio Lower Upper

112 100

114 32.3 21.6 40.2

77 55.6 44.4 66.6

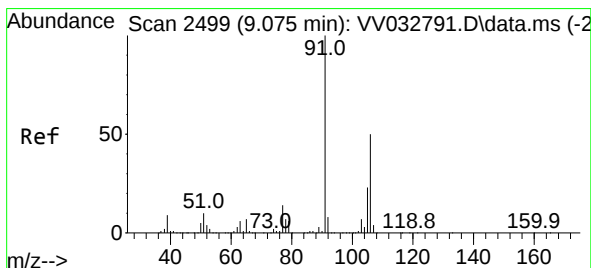
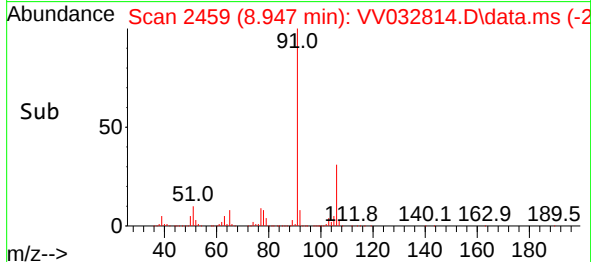
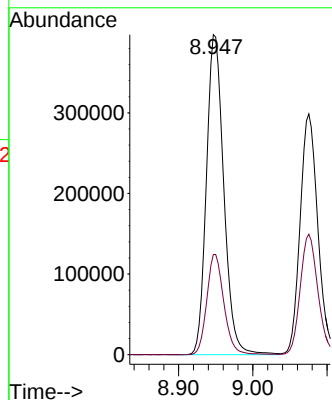
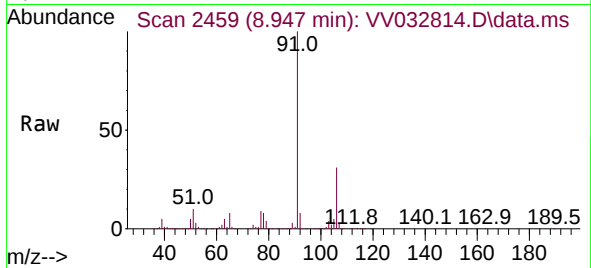




#52
Ethylbenzene
Concen: 49.785 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

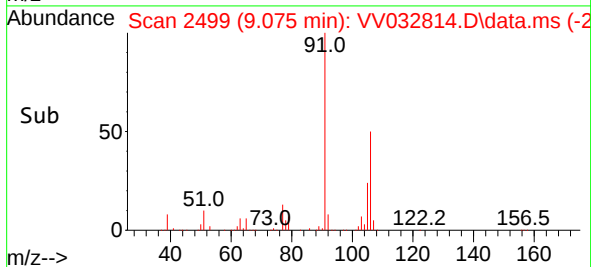
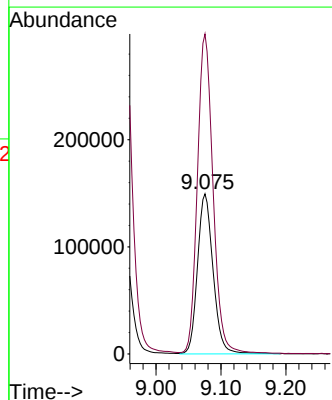
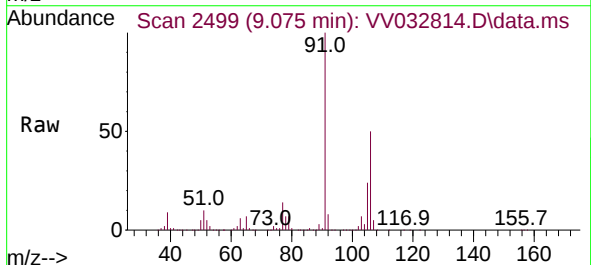
Instrument :
MSVOA_V
ClientSampleId :

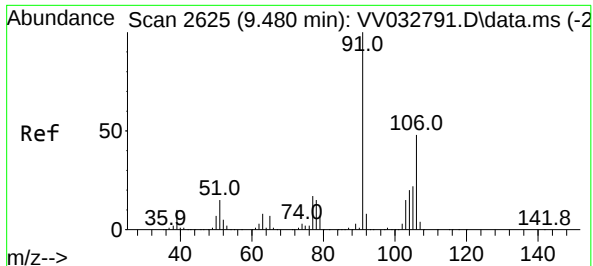
Tgt Ion: 91 Resp: 644661
Ion Ratio Lower Upper
91 100
106 31.3 21.7 40.3



#53
m,p-Xylene
Concen: 50.687 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion: 106 Resp: 249798
Ion Ratio Lower Upper
106 100
91 199.8 139.7 259.5

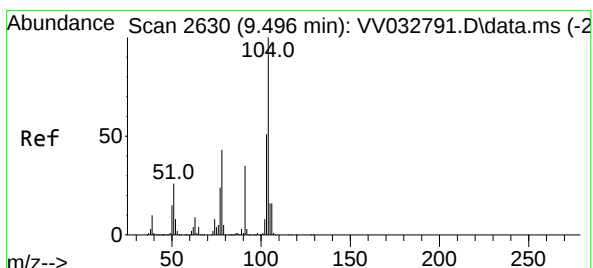
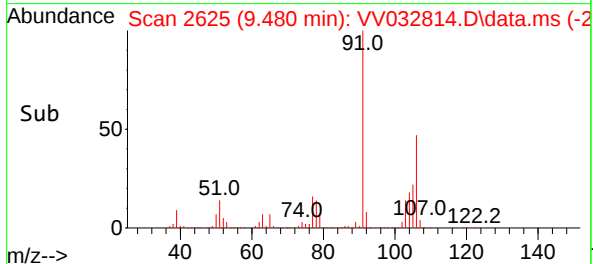
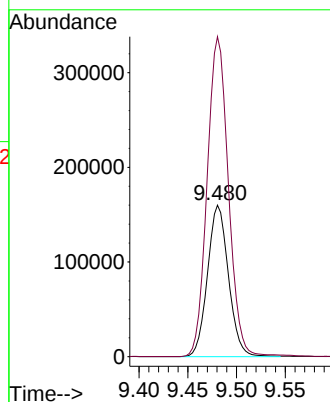
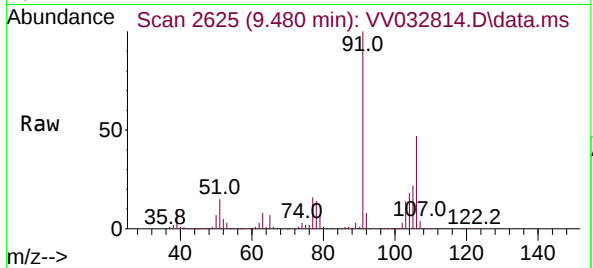




#54
o-Xylene
Concen: 50.248 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

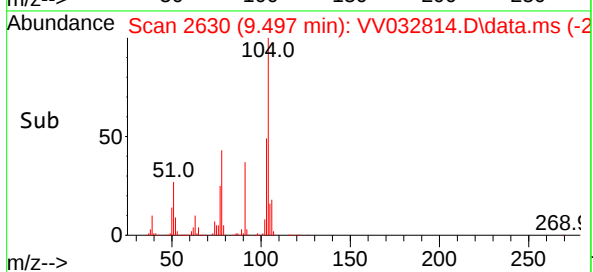
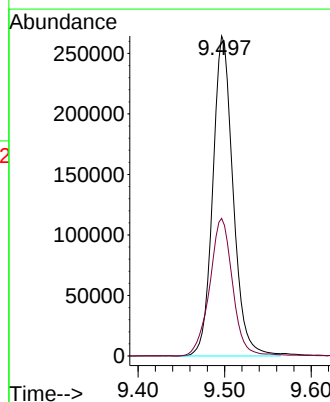
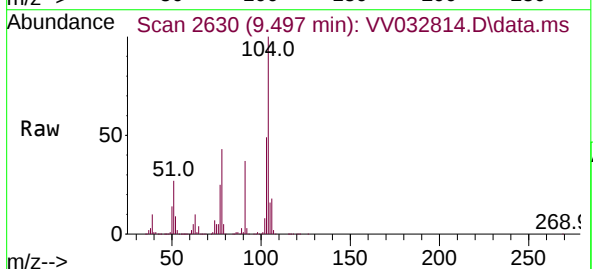
Instrument :
MSVOA_V
ClientSampleId :

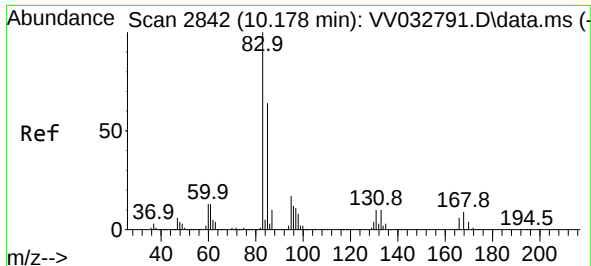
Tgt Ion:106 Resp: 239902
Ion Ratio Lower Upper
106 100
91 211.1 151.0 280.4



#55
Styrene
Concen: 51.882 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion:104 Resp: 431675
Ion Ratio Lower Upper
104 100
78 43.0 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 48.347 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

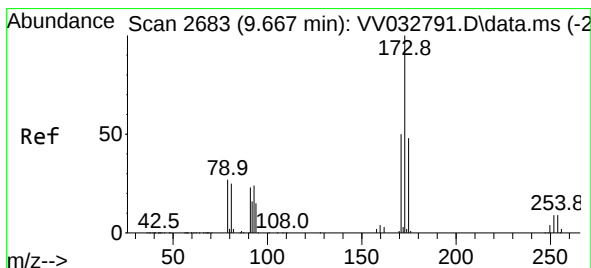
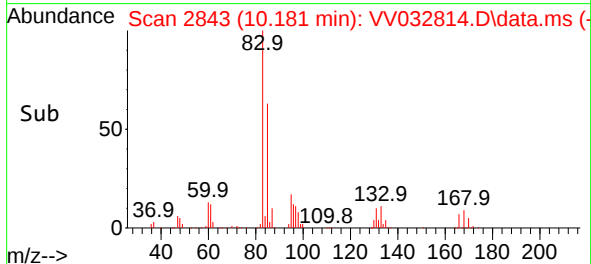
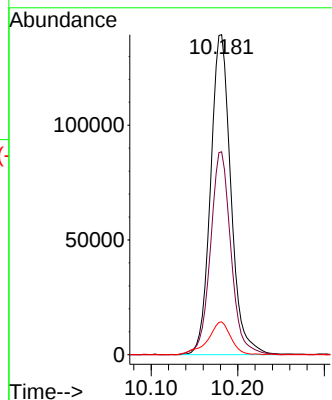
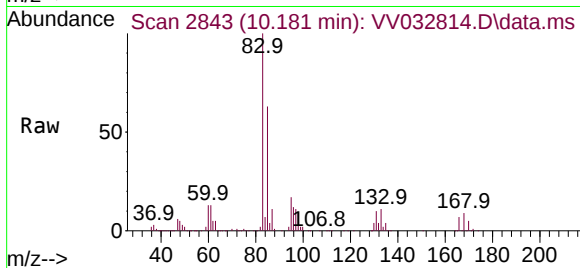
Tgt Ion: 83 Resp: 227249

Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.3

131 10.3 7.8 11.6



#59

Bromoform

Concen: 46.741 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

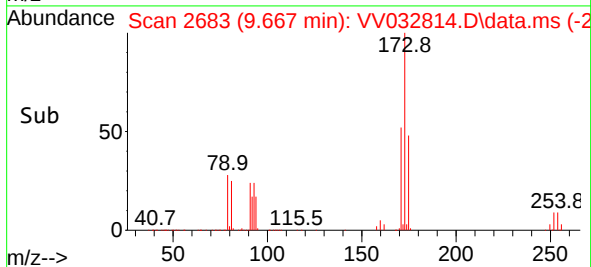
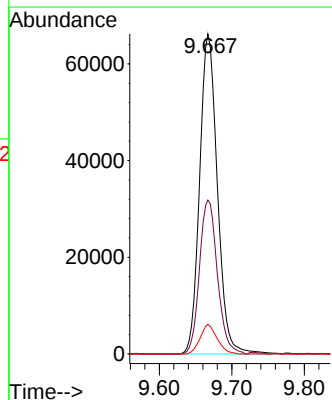
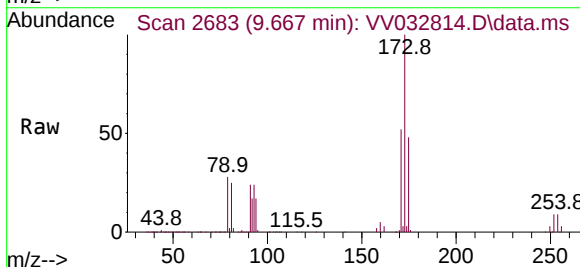
Tgt Ion: 173 Resp: 112532

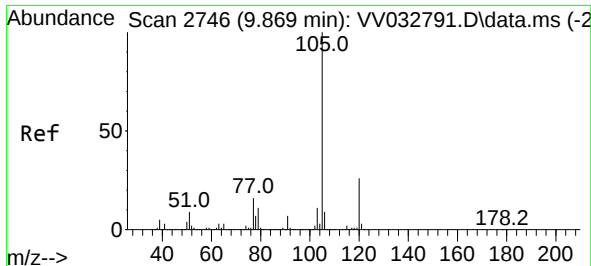
Ion Ratio Lower Upper

173 100

175 48.4 38.4 57.6

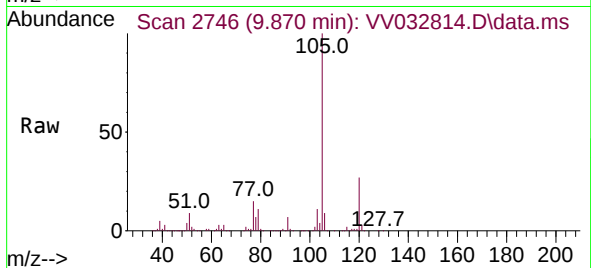
254 8.8 7.0 10.6



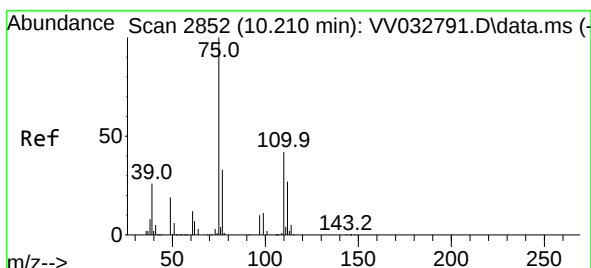
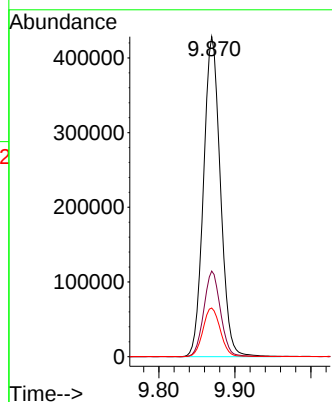
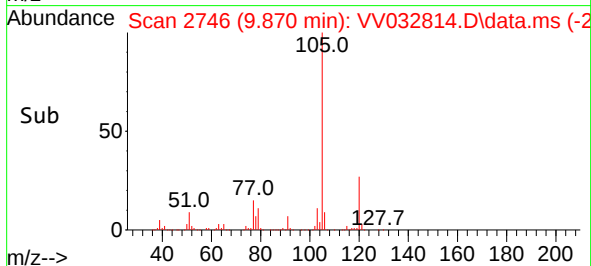


#60
Isopropylbenzene
Concen: 50.740 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

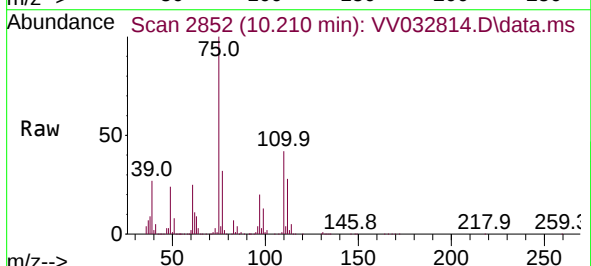
Instrument :
MSVOA_V
ClientSampleId :



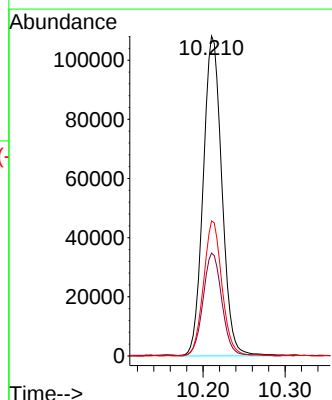
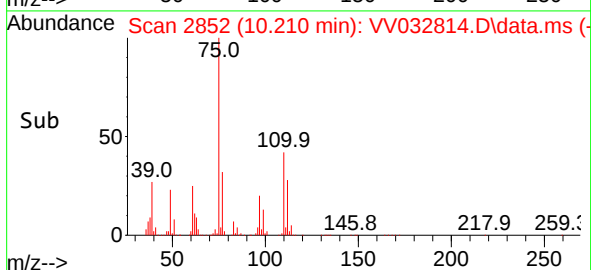
Tgt Ion:105 Resp: 660748
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 15.6 12.6 19.0

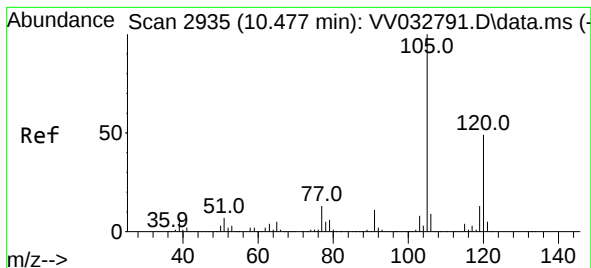


#61
1,2,3-Trichloropropane
Concen: 47.692 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18



Tgt Ion: 75 Resp: 171057
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
110 41.7 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 50.805 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

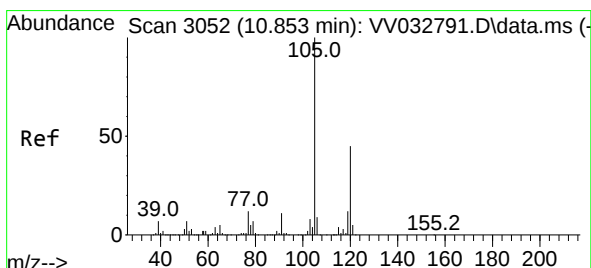
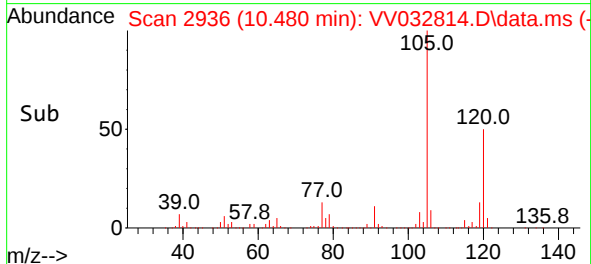
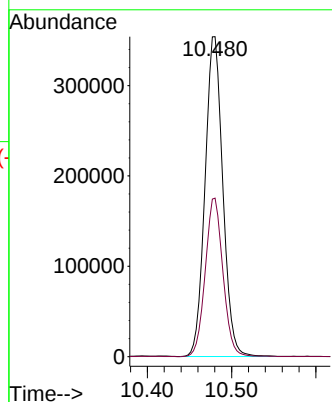
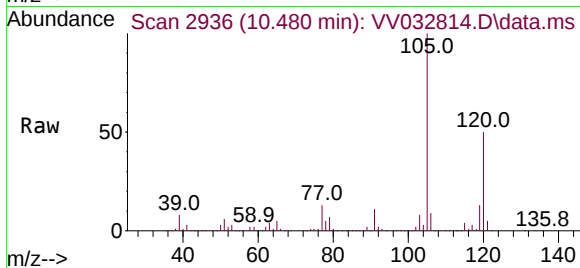
ClientSampleId :

Tgt Ion:105 Resp: 520625

Ion Ratio Lower Upper

105 100

120 49.5 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 52.589 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032814.D

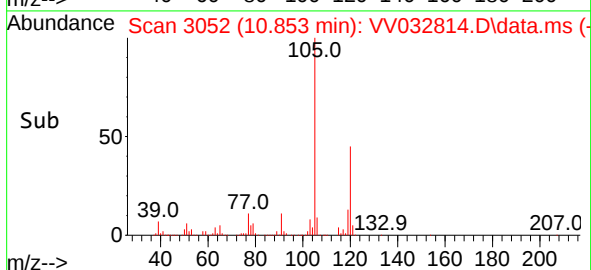
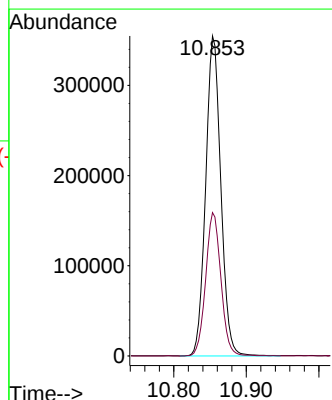
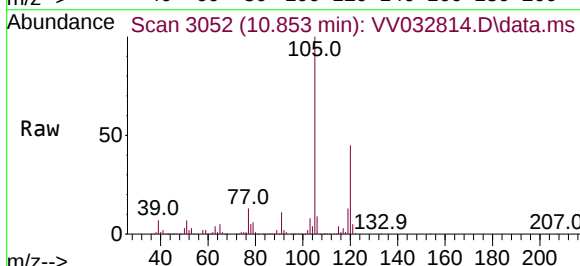
Acq: 31 Oct 2023 21:18

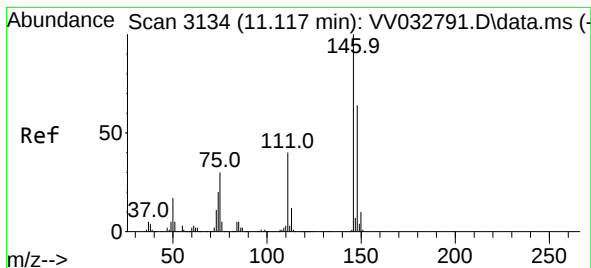
Tgt Ion:105 Resp: 515512

Ion Ratio Lower Upper

105 100

120 45.0 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 47.541 ug/L

RT: 11.120 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

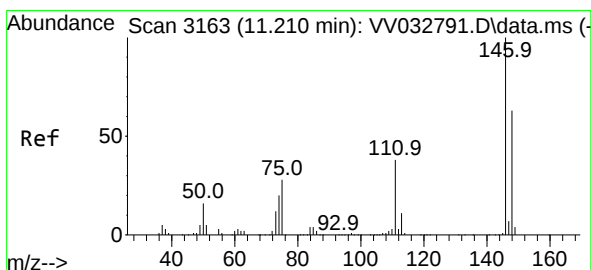
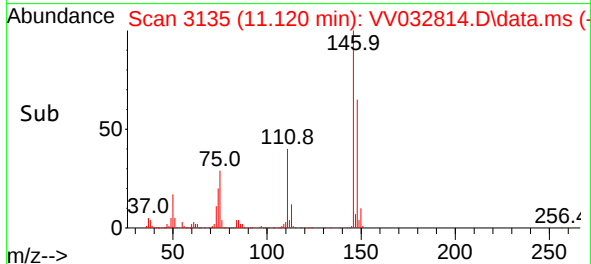
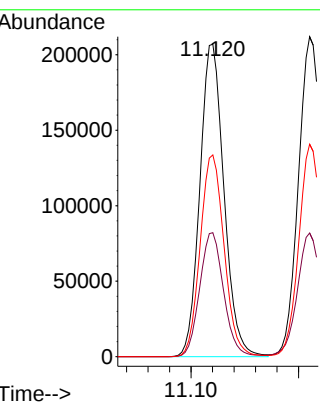
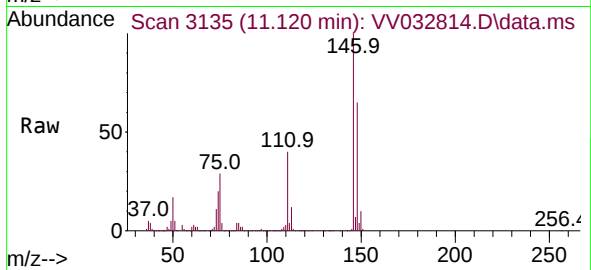
Tgt Ion:146 Resp: 322526

Ion Ratio Lower Upper

146 100

111 39.7 27.2 50.4

148 64.6 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 46.437 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

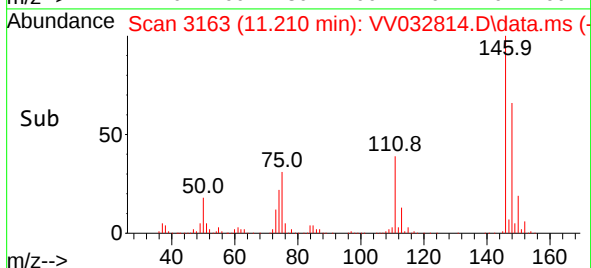
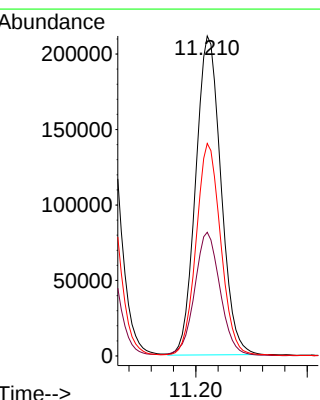
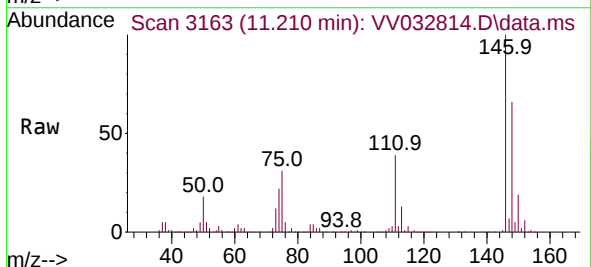
Tgt Ion:146 Resp: 332401

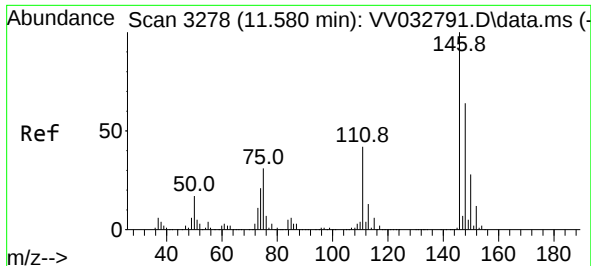
Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.1

148 66.4 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 47.747 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

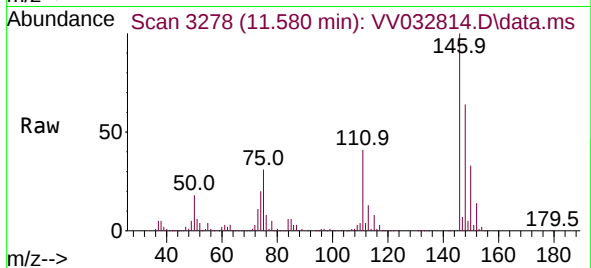
Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :



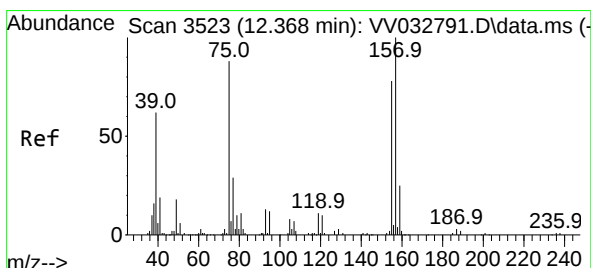
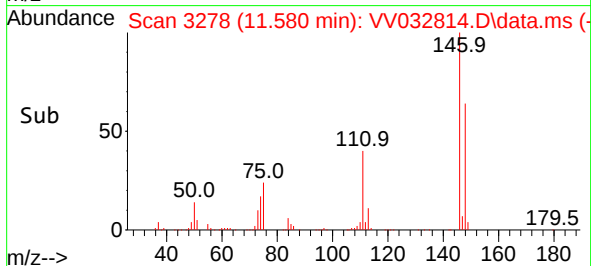
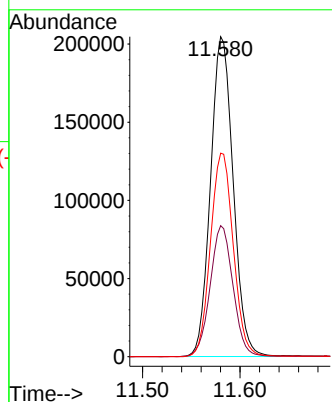
Tgt Ion:146 Resp: 330685

Ion Ratio Lower Upper

146 100

111 40.9 32.5 48.7

148 63.6 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 46.953 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

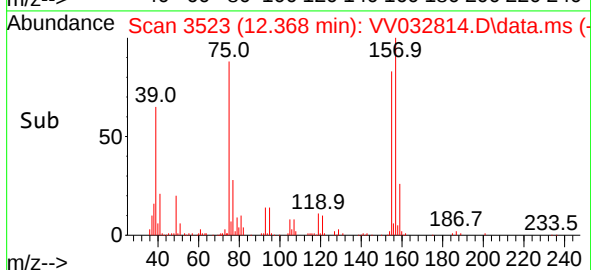
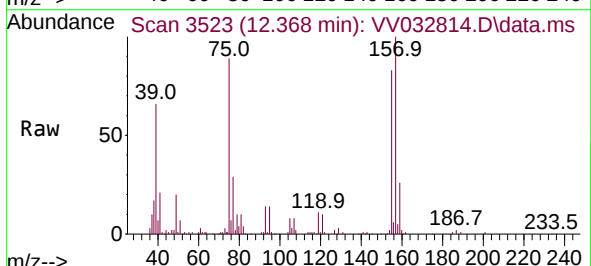
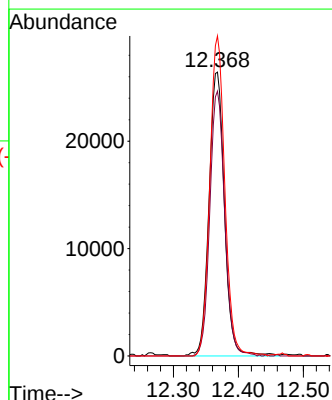
Tgt Ion: 75 Resp: 43829

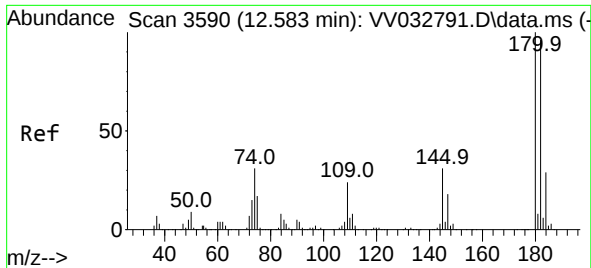
Ion Ratio Lower Upper

75 100

155 93.3 68.6 102.8

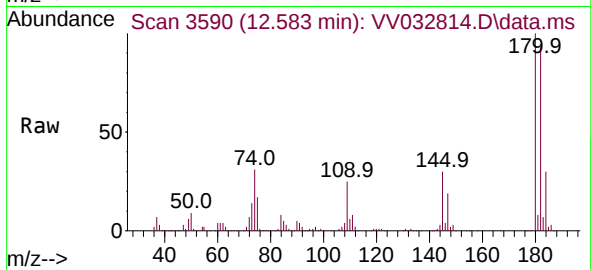
157 112.7 87.3 130.9



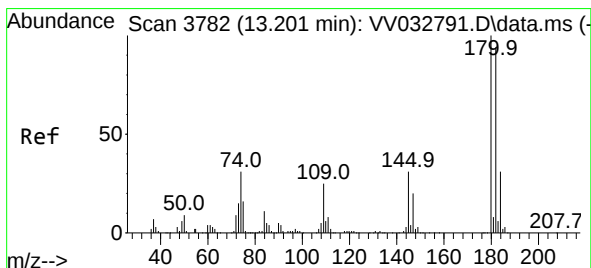
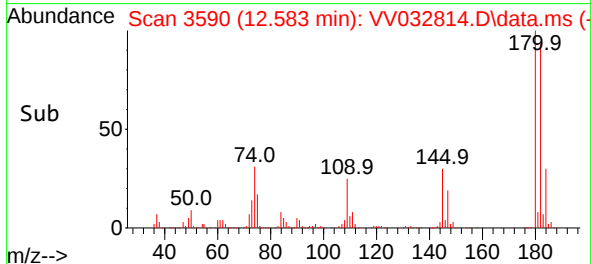
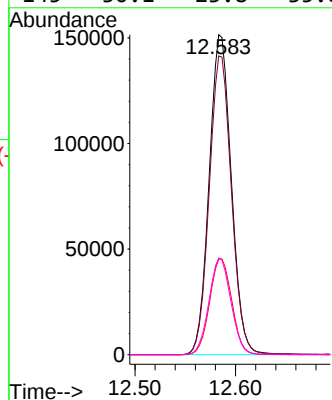


#69
1,3,5-Trichlorobenzene
Concen: 47.279 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Instrument :
MSVOA_V
ClientSampleId :

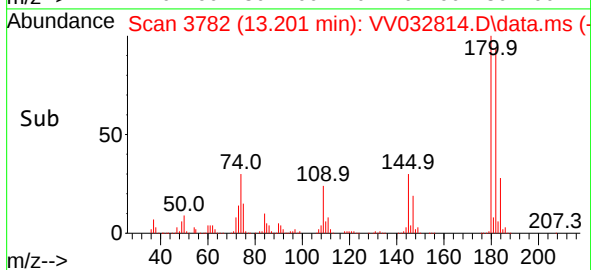
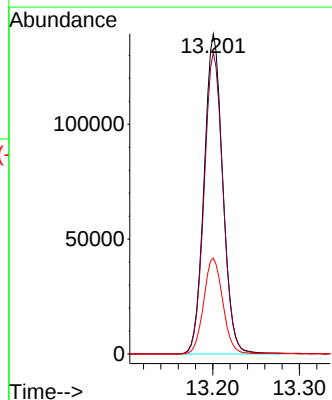
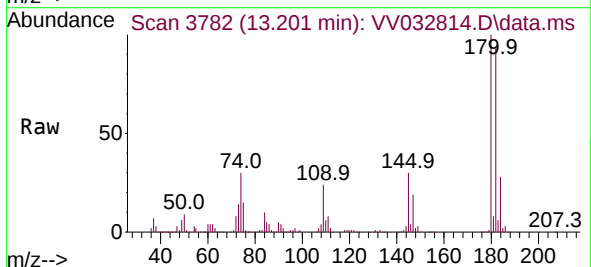


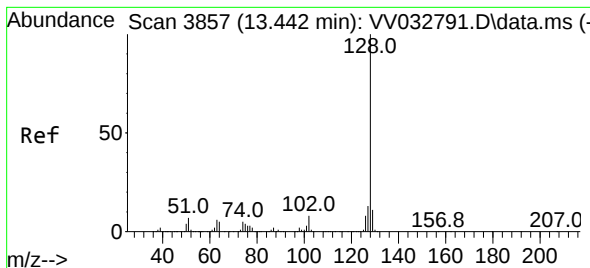
Tgt Ion:180 Resp: 231551
Ion Ratio Lower Upper
180 100
182 93.5 75.9 113.9
184 29.9 23.5 35.3
145 30.1 23.8 35.8



#70
1,2,4-trichlorobenzene
Concen: 49.374 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.000 min
Lab File: VV032814.D
Acq: 31 Oct 2023 21:18

Tgt Ion:180 Resp: 209125
Ion Ratio Lower Upper
180 100
182 95.2 76.9 115.3
145 30.5 24.7 37.1





#71

Naphthalene

Concen: 57.856 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Instrument :

MSVOA_V

ClientSampleId :

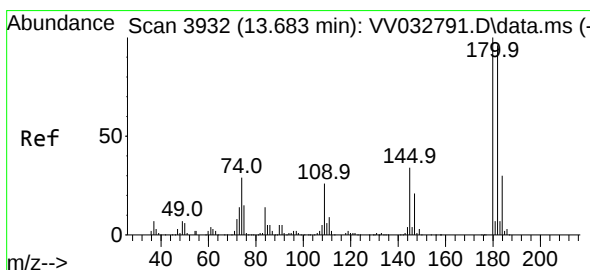
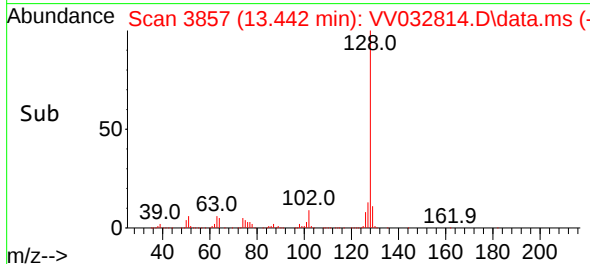
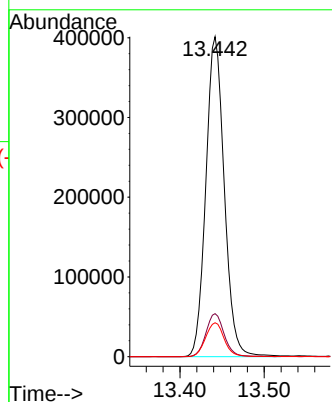
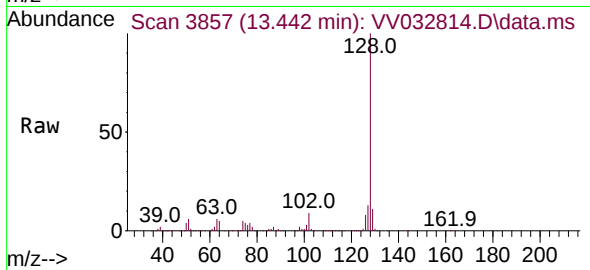
Tgt Ion:128 Resp: 611938

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 51.923 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032814.D

Acq: 31 Oct 2023 21:18

Tgt Ion:180 Resp: 219575

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 32.4 25.8 38.8

