

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110123\
 Data File : VW032823.D
 Acq On : 01 Nov 2023 13:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 01:10:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 02 01:08:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	311155	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	348670	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	194026	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	118619	40.081	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.160%
7) Chloroethane-d5	1.529	69	112906	45.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.240%
11) 1,1-Dichloroethene-d2	2.060	65	47579	38.923	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.840%
21) 2-Butanone-d5	3.786	46	142649	111.124	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.120%
24) Chloroform-d	4.249	84	231155	48.934	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
26) 1,2-Dichloroethane-d4	4.941	65	151726	51.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.360%
32) Benzene-d6	4.960	84	437199	48.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.540%
36) 1,2-Dichloropropane-d6	5.989	67	131117	48.142	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.280%
41) Toluene-d8	7.243	98	437680	49.583	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.160%
43) trans-1,3-Dichloroprop...	7.551	79	75045	52.906	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.820%
47) 2-Hexanone-d5	8.024	63	111671	112.311	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.310%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	218091	52.769	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.540%
66) 1,2-Dichlorobenzene-d4	11.564	152	179167	47.918	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	107713	39.342	ug/L	100
3) Chloromethane	1.217	50	123281	46.543	ug/L	100
5) Vinyl chloride	1.285	62	119171	42.194	ug/L	99
6) Bromomethane	1.484	94	92118	46.743	ug/L	97
8) Chloroethane	1.548	64	91235	47.984	ug/L	98
9) Trichlorofluoromethane	1.712	101	186683	41.477	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	111236	40.845	ug/L	99
12) 1,1-Dichloroethene	2.069	96	98906	42.499	ug/L	94
13) Acetone	2.111	43	134350	62.527	ug/L	100
14) Carbon disulfide	2.240	76	250712	45.129	ug/L	99
15) Methyl Acetate	2.372	43	119731	54.958	ug/L	100
16) Methylene chloride	2.446	84	139502	45.192	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	104500	47.046	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	367167	55.973	ug/L	100
19) 1,1-Dichloroethane	3.111	63	203495	48.073	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	123600	50.384	ug/L	98
22) 2-Butanone	3.867	43	157471	86.418	ug/L	100
23) Bromochloromethane	4.146	128	73614	53.764	ug/L	99
25) Chloroform	4.275	83	240867	49.924	ug/L	99

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 QLast Update : Thu Nov 02 01:08:52 2023
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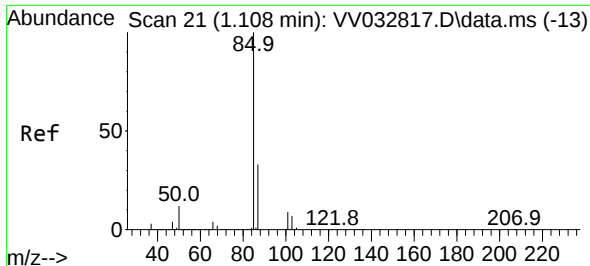
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	187947	54.055	ug/L	99
29) Cyclohexane	4.587	56	124961	39.878	ug/L #	94
30) 1,1,1-Trichloroethane	4.516	97	184572	44.184	ug/L	99
31) Carbon tetrachloride	4.735	117	153080	41.470	ug/L	98
33) Benzene	5.011	78	471875	51.038	ug/L	100
34) Trichloroethene	5.834	95	116548	45.284	ug/L	98
35) Methylcyclohexane	6.053	83	168160	41.757	ug/L	97
37) 1,2-Dichloropropane	6.092	63	122131	49.764	ug/L	100
38) Bromodichloromethane	6.433	83	197365	51.261	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	207399	56.331	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	347778	119.573	ug/L	99
42) Toluene	7.317	91	541260	51.407	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	205705	54.394	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	150807	53.573	ug/L	96
46) Tetrachloroethene	7.905	164	100148	43.126	ug/L	99
48) 2-Hexanone	8.076	43	272050	104.251	ug/L	100
49) Dibromochloromethane	8.178	129	155526	52.846	ug/L	98
50) 1,2-Dibromoethane	8.281	107	157910	55.062	ug/L	99
51) Chlorobenzene	8.815	112	360056	48.304	ug/L	98
52) Ethylbenzene	8.947	91	562723	48.450	ug/L	99
53) m,p-Xylene	9.075	106	219569	49.673	ug/L	100
54) o-Xylene	9.481	106	215381	50.295	ug/L	98
55) Styrene	9.497	104	401913	53.855	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	228007	54.081	ug/L	99
59) Bromoform	9.667	173	115163	52.939	ug/L	100
60) Isopropylbenzene	9.870	105	563925	47.926	ug/L	100
61) 1,2,3-Trichloropropane	10.211	75	174800	53.936	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	454670	49.104	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	449481	50.747	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	300405	49.006	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	307088	47.479	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	306971	49.053	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	44671	52.962	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	208664	47.153	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	185362	48.434	ug/L	99
71) Naphthalene	13.442	128	530662	55.526	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	202981	53.121	ug/L	97

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

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MSVOA_V
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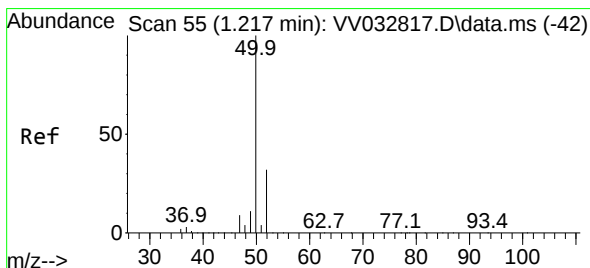
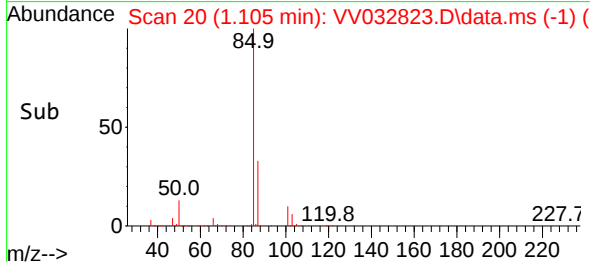
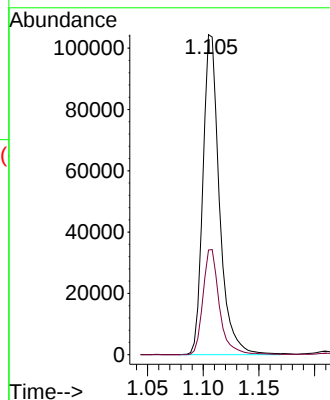
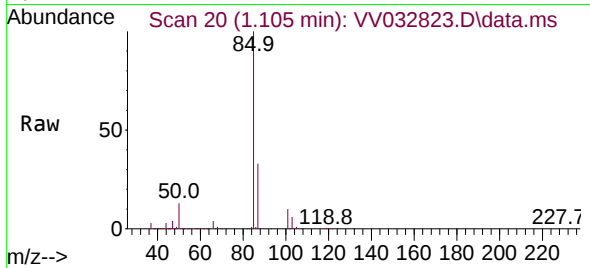




#2
 Dichlorodifluoromethane
 Concen: 39.342 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV032823.D
 Acq: 01 Nov 2023 13:04

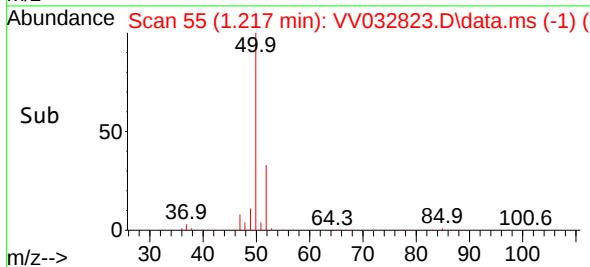
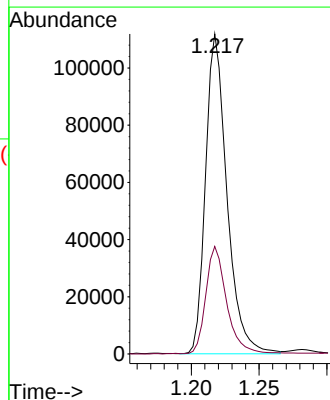
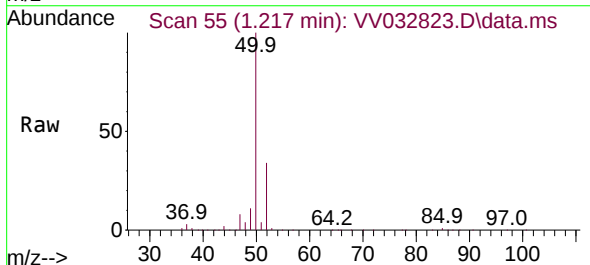
Instrument :
 MSVOA_V
 ClientSampleId :

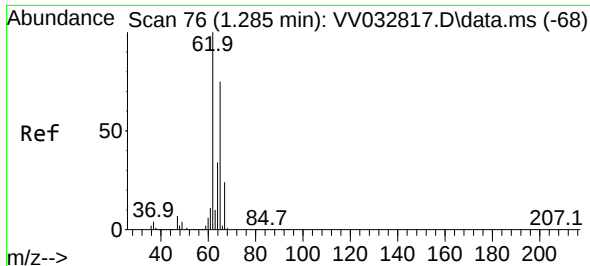
Tgt Ion: 85 Resp: 107713
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.2 39.4



#3
 Chloromethane
 Concen: 46.543 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032823.D
 Acq: 01 Nov 2023 13:04

Tgt Ion: 50 Resp: 123281
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.5 43.7

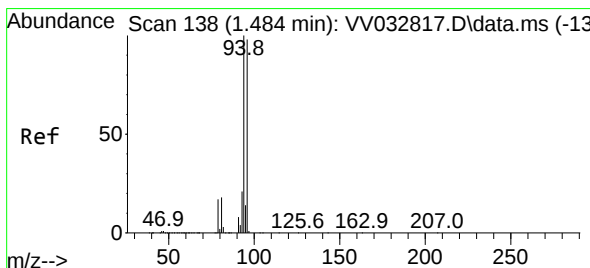
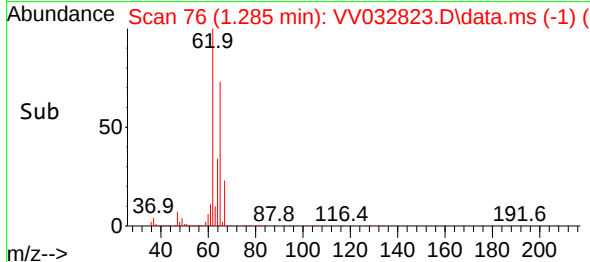
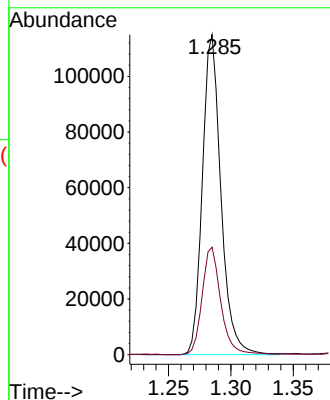
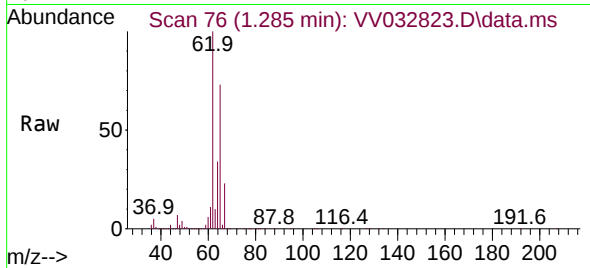




#5
 Vinyl chloride
 Concen: 42.194 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032823.D
 Acq: 01 Nov 2023 13:04

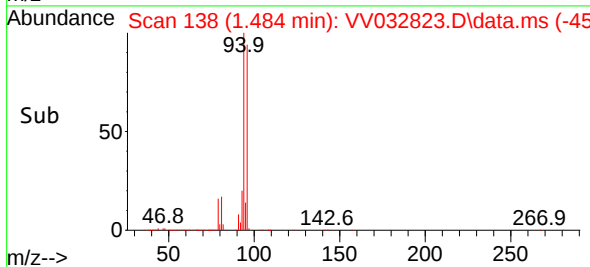
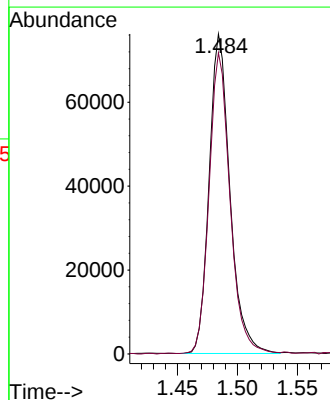
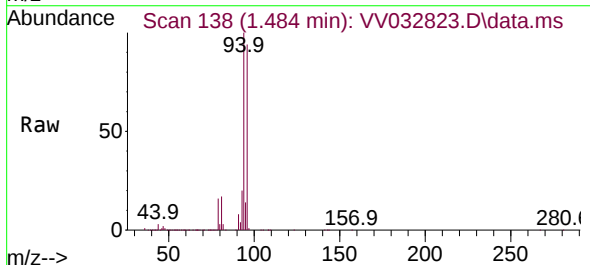
Instrument :
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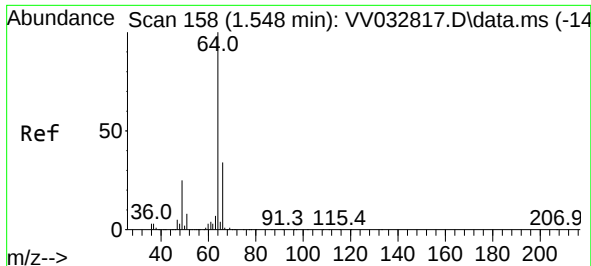
Tgt Ion: 62 Resp: 119171
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.0



#6
 Bromomethane
 Concen: 46.743 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032823.D
 Acq: 01 Nov 2023 13:04

Tgt Ion: 94 Resp: 92118
 Ion Ratio Lower Upper
 94 100
 96 94.1 64.2 119.2

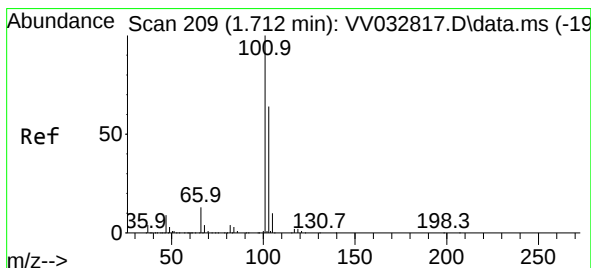
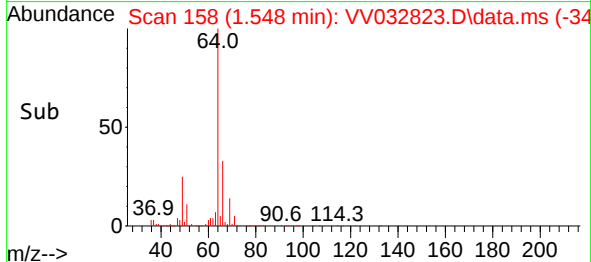
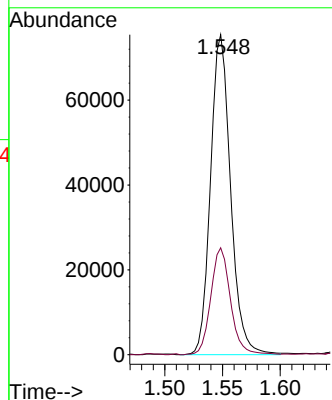
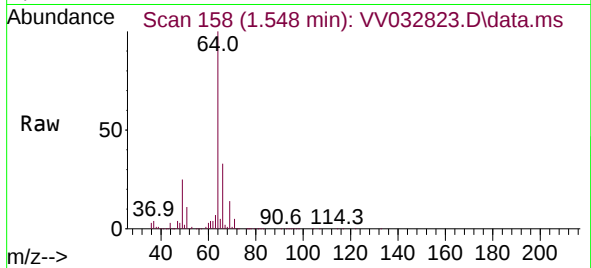




#8
Chloroethane
Concen: 47.984 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

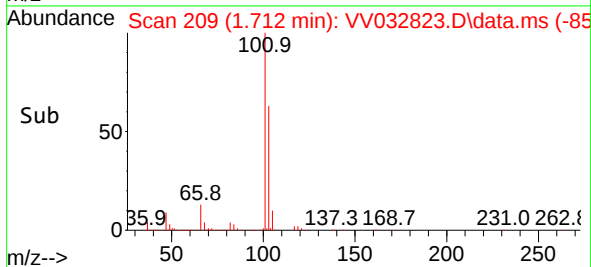
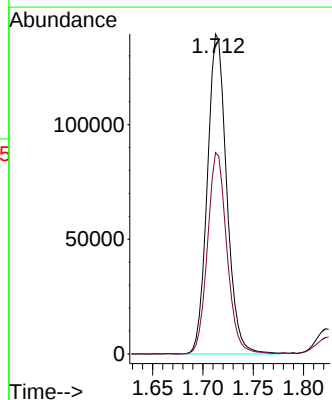
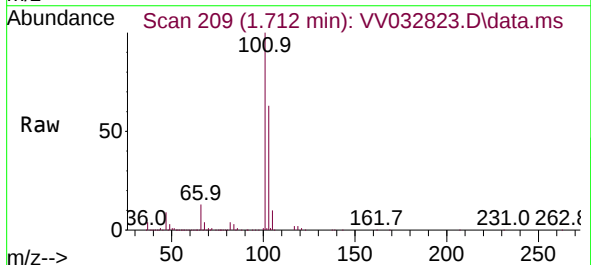
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MSVOA_V
ClientSampleId :

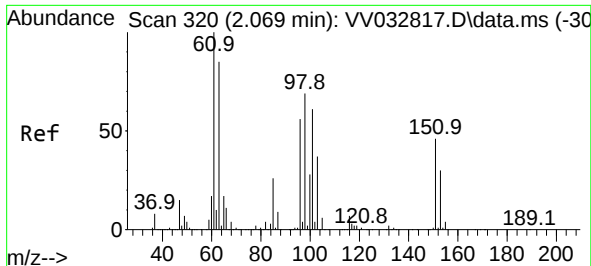
Tgt Ion: 64 Resp: 91235
Ion Ratio Lower Upper
64 100
66 33.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 41.477 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion:101 Resp: 186683
Ion Ratio Lower Upper
101 100
103 63.0 51.7 77.5





#10

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

Concen: 40.845 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

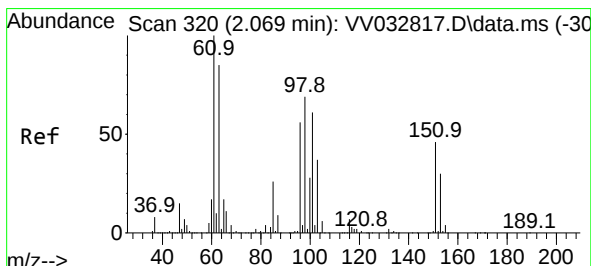
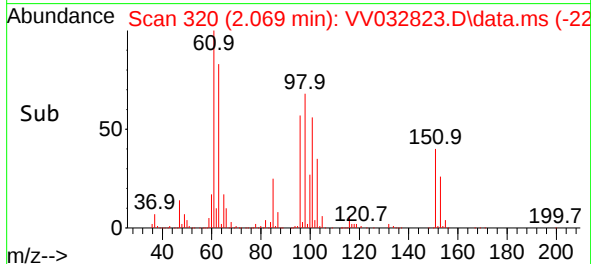
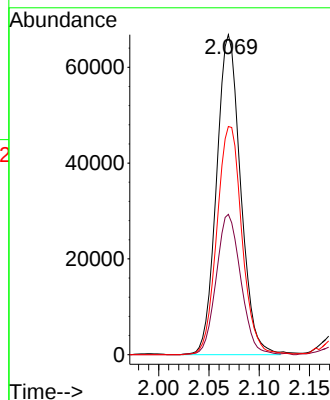
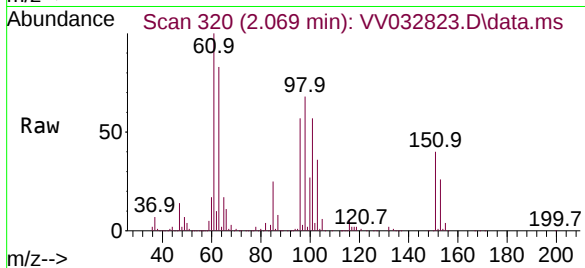
Tgt Ion:101 Resp: 111236

Ion Ratio Lower Upper

101 100

85 44.8 35.6 53.4

151 74.3 59.9 89.9



#12

1,1-Dichloroethene

Concen: 42.499 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

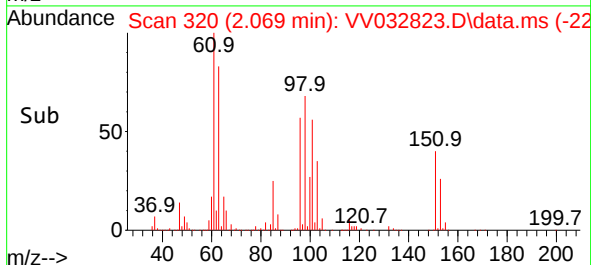
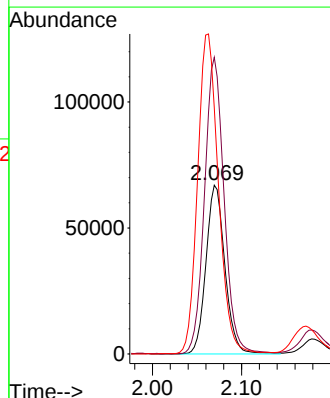
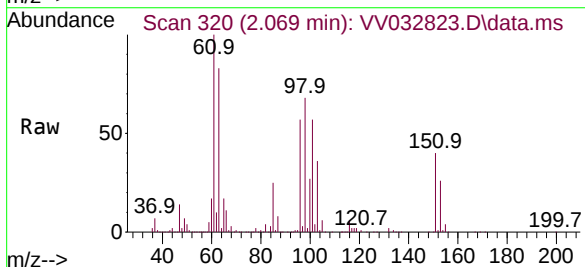
Tgt Ion: 96 Resp: 98906

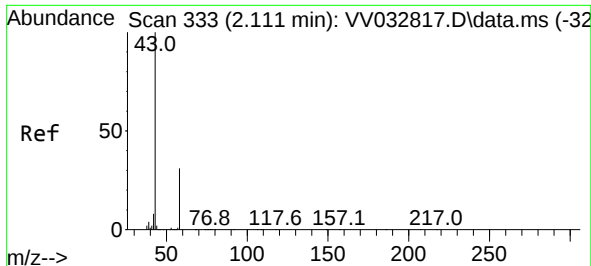
Ion Ratio Lower Upper

96 100

61 175.7 124.2 230.6

63 145.9 111.8 207.6





#13

Acetone

Concen: 62.527 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

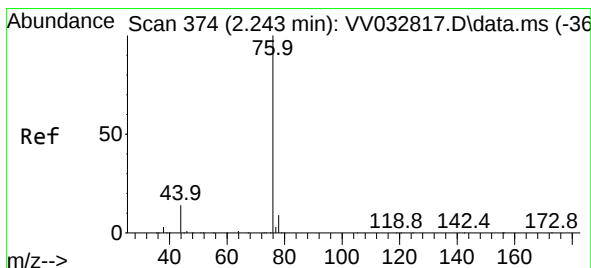
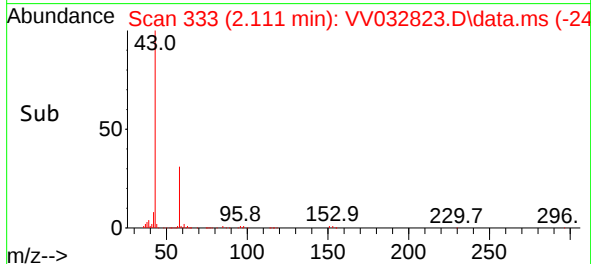
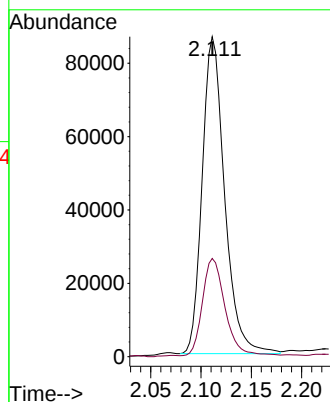
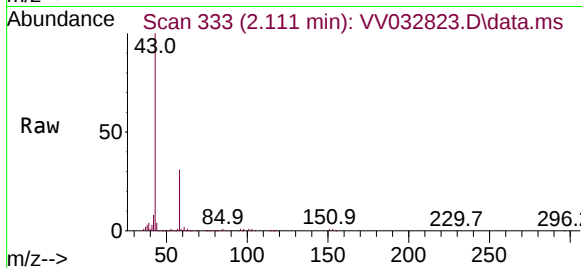
ClientSampleId :

Tgt Ion: 43 Resp: 134350

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.2



#14

Carbon disulfide

Concen: 45.129 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV032823.D

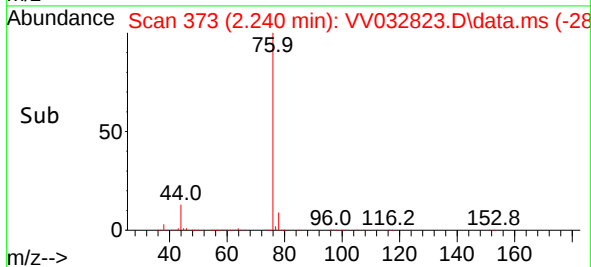
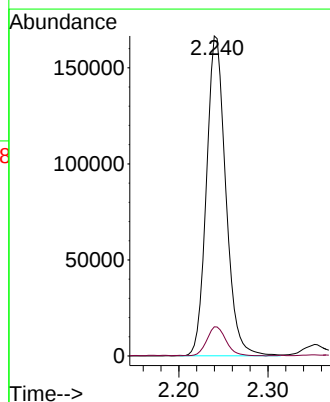
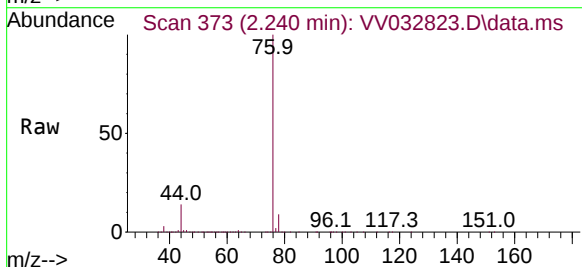
Acq: 01 Nov 2023 13:04

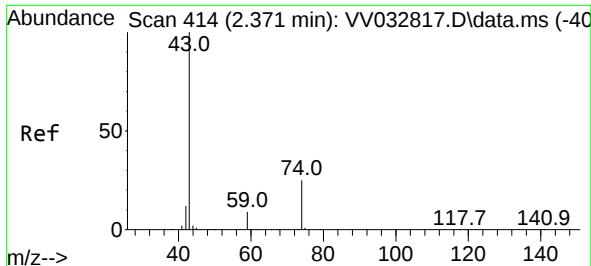
Tgt Ion: 76 Resp: 250712

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

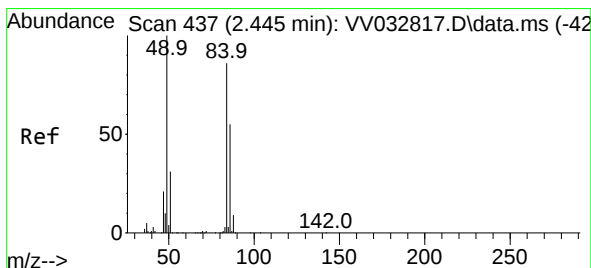
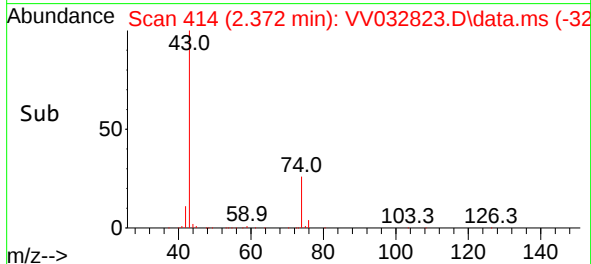
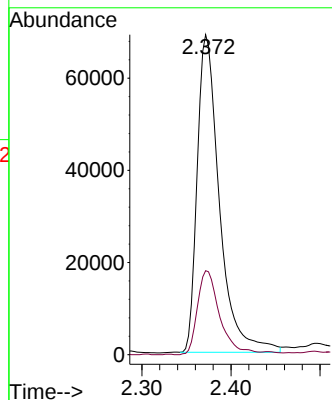
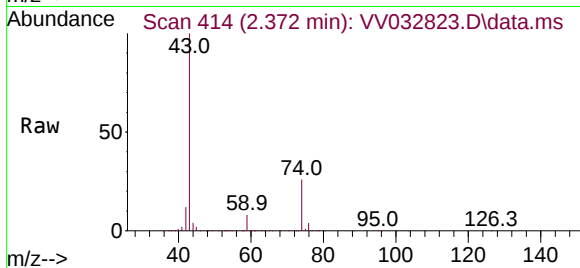




#15
Methyl Acetate
Concen: 54.958 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

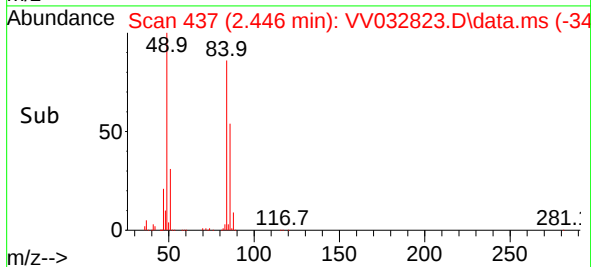
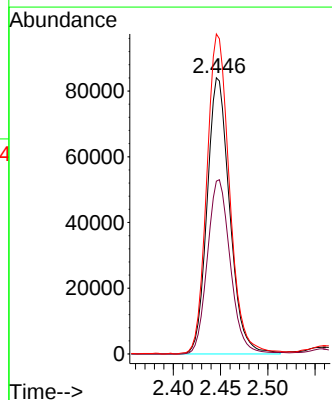
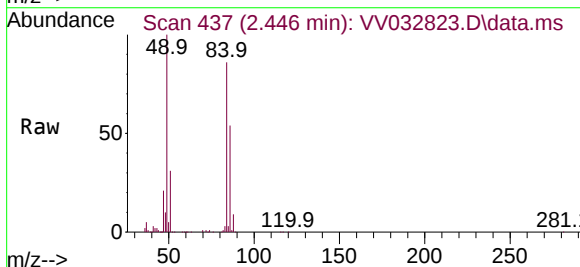
Instrument :
MSVOA_V
ClientSampleId :

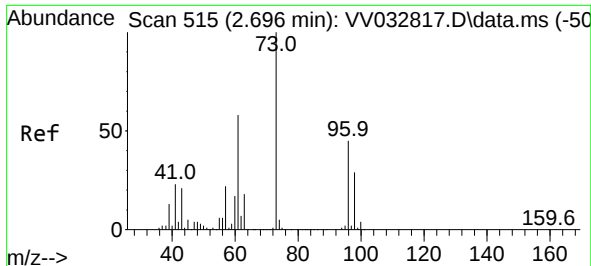
Tgt Ion: 43 Resp: 119731
Ion Ratio Lower Upper
43 100
74 25.7 20.6 30.8



#16
Methylene chloride
Concen: 45.192 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion: 84 Resp: 139502
Ion Ratio Lower Upper
84 100
86 62.6 45.0 83.6
49 115.9 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 47.046 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

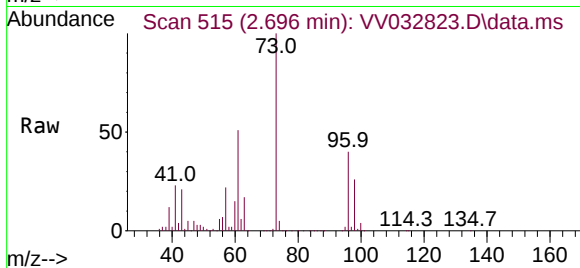
Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :



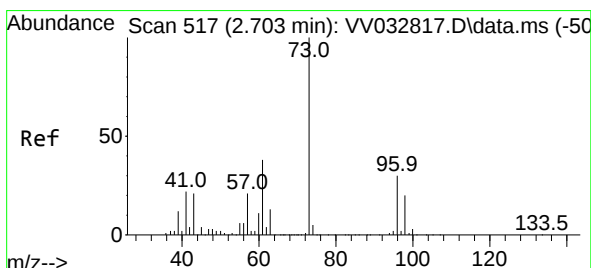
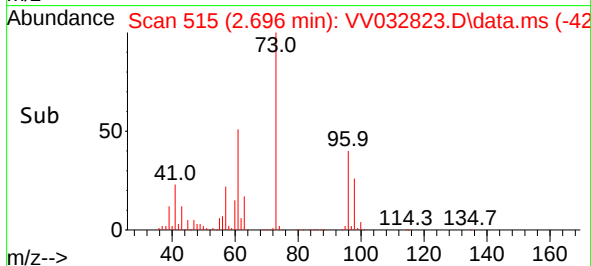
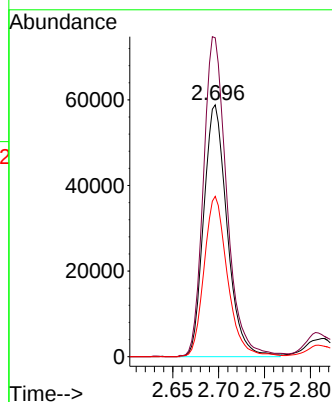
Tgt Ion: 96 Resp: 104500

Ion Ratio Lower Upper

96 100

61 126.7 86.9 161.3

98 63.7 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 55.973 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

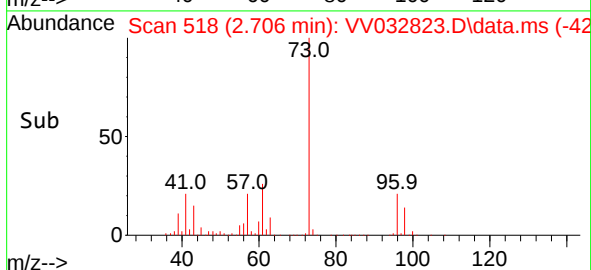
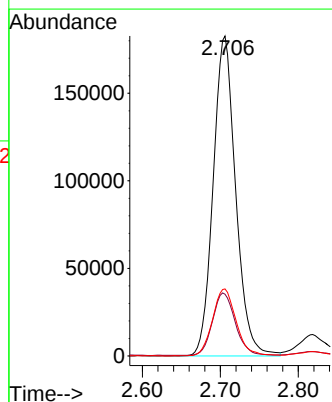
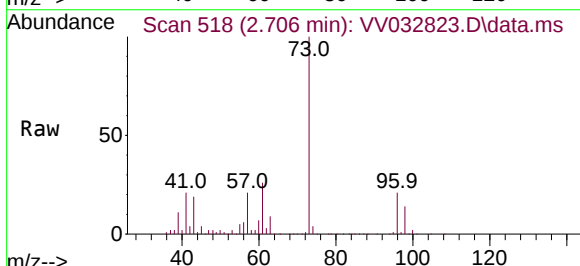
Tgt Ion: 73 Resp: 367167

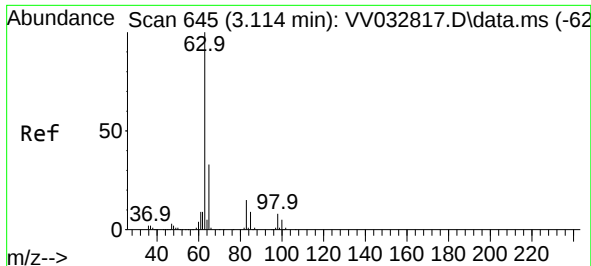
Ion Ratio Lower Upper

73 100

43 19.7 16.1 24.1

57 21.8 17.4 26.0

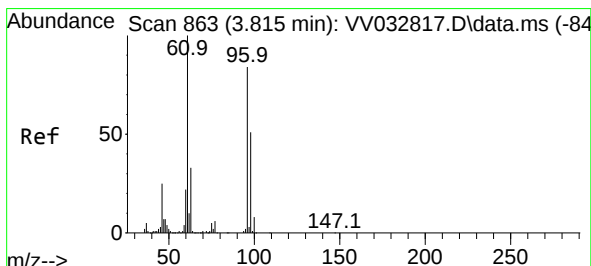
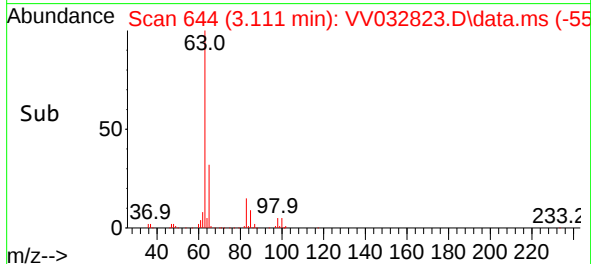
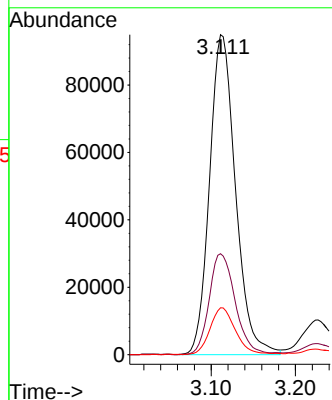
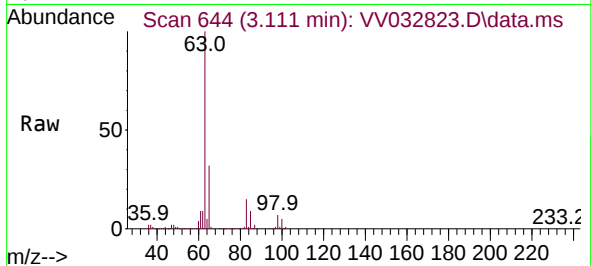




#19
1,1-Dichloroethane
Concen: 48.073 ug/L
RT: 3.111 min Scan# 645
Delta R.T. -0.003 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

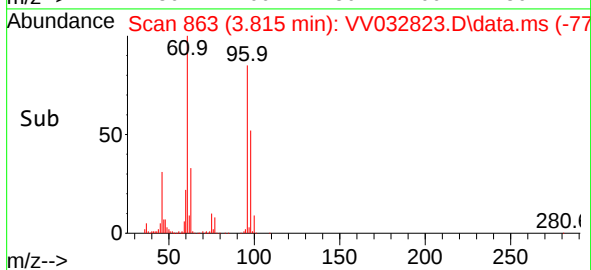
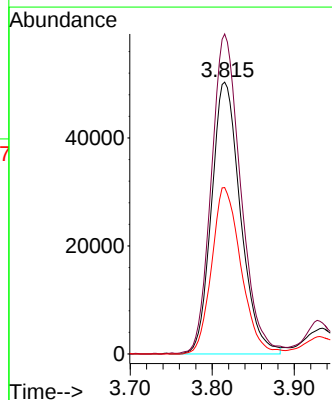
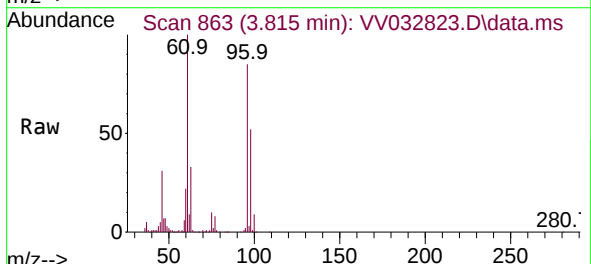
Instrument :
MSVOA_V
ClientSampleId :

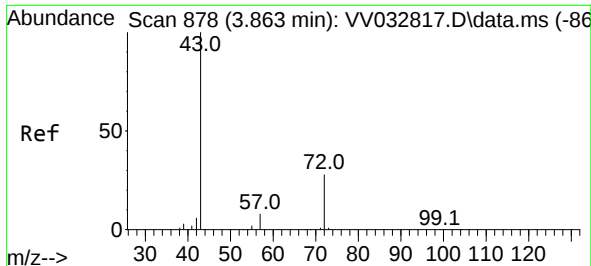
Tgt Ion: 63 Resp: 203495
Ion Ratio Lower Upper
63 100
65 31.6 22.3 41.5
83 14.6 10.1 18.7



#20
cis-1,2-Dichloroethene
Concen: 50.384 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion: 96 Resp: 123600
Ion Ratio Lower Upper
96 100
61 117.7 83.3 154.7
98 61.2 44.2 82.2

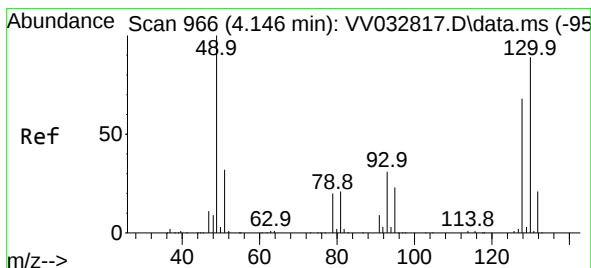
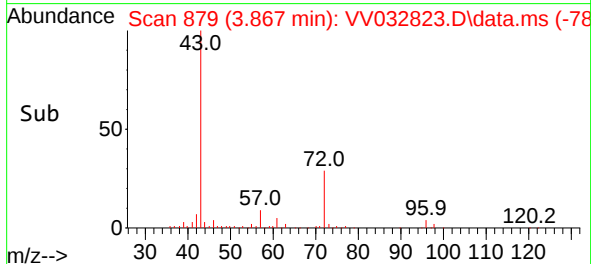
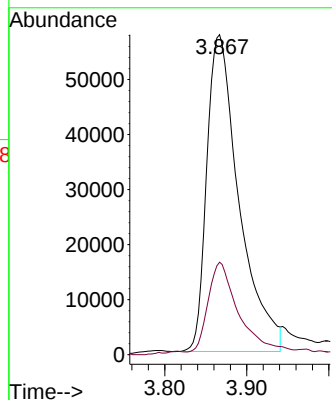
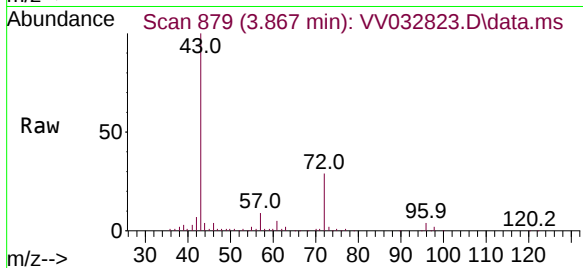




#22
2-Butanone
Concen: 86.418 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

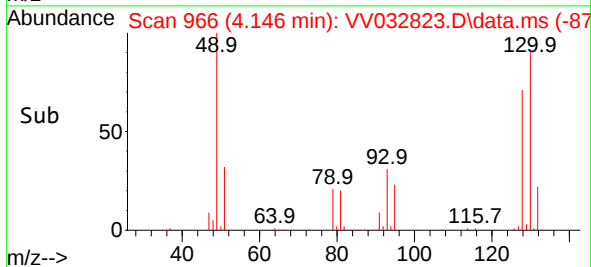
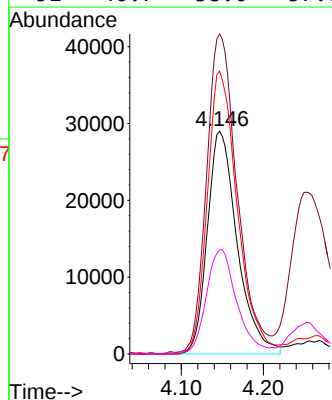
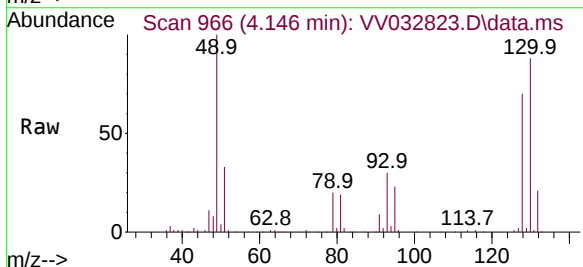
Instrument :
MSVOA_V
ClientSampleId :

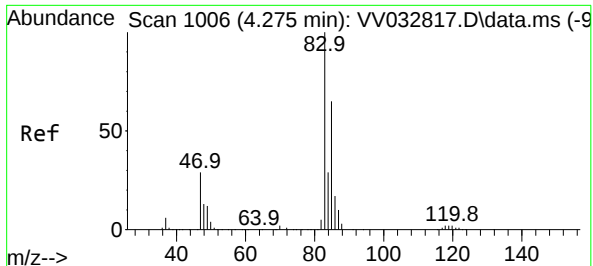
Tgt Ion: 43 Resp: 157471
Ion Ratio Lower Upper
43 100
72 26.9 13.5 40.4



#23
Bromochloromethane
Concen: 53.764 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion: 128 Resp: 73614
Ion Ratio Lower Upper
128 100
49 143.7 101.0 187.6
130 127.0 88.5 164.4
51 46.7 38.0 57.0





#25

Chloroform

Concen: 49.924 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

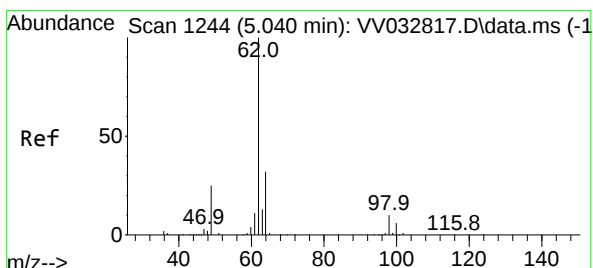
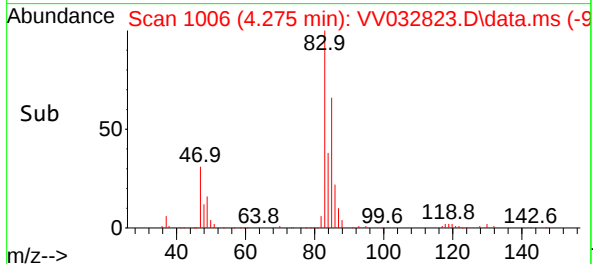
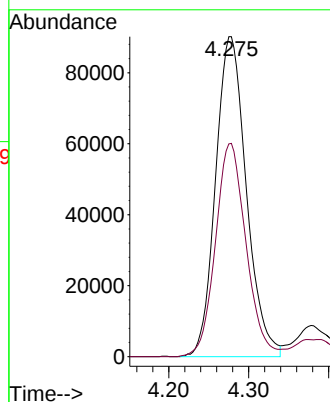
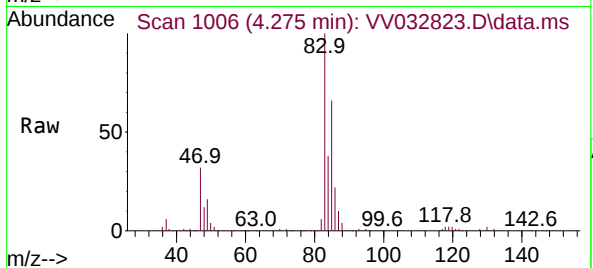
ClientSampleId :

Tgt Ion: 83 Resp: 240867

Ion Ratio Lower Upper

83 100

85 66.5 46.2 85.8



#27

1,2-Dichloroethane

Concen: 54.055 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV032823.D

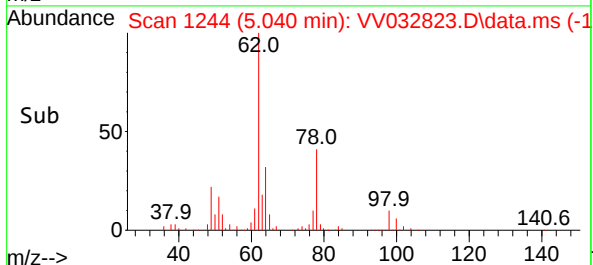
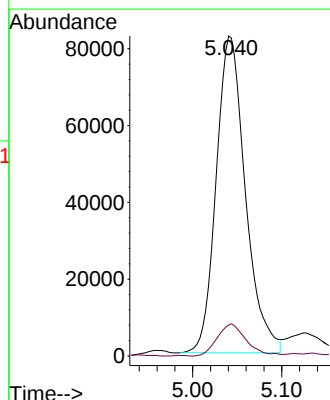
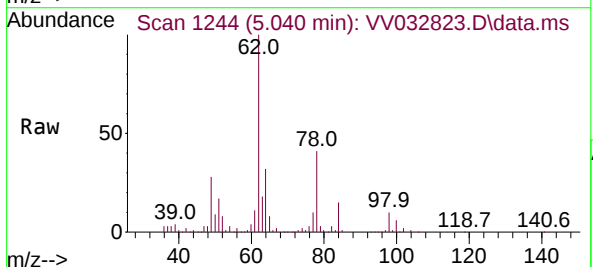
Acq: 01 Nov 2023 13:04

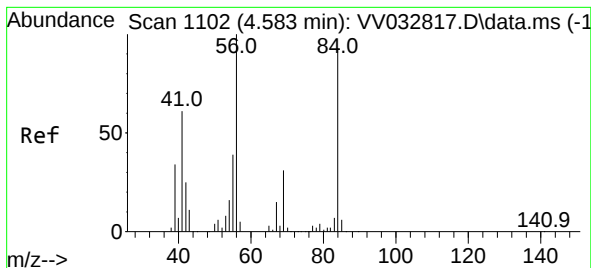
Tgt Ion: 62 Resp: 187947

Ion Ratio Lower Upper

62 100

98 9.7 7.5 11.3





#29

Cyclohexane

Concen: 39.878 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

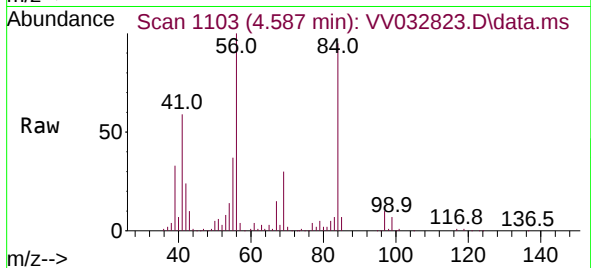
Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :



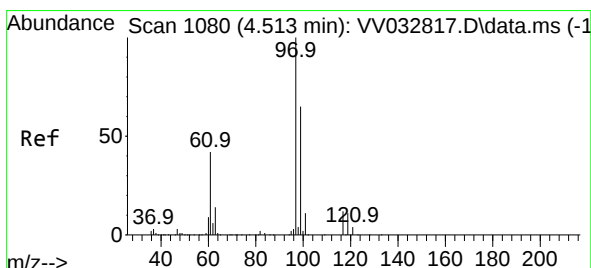
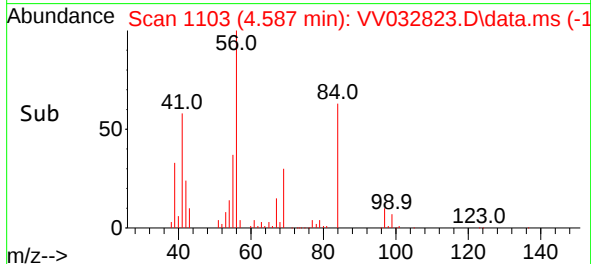
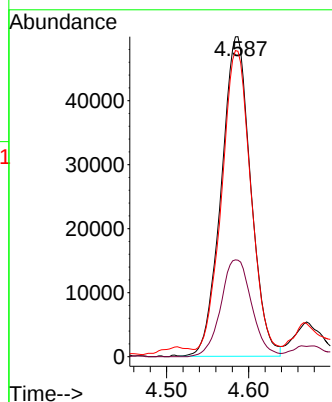
Tgt Ion: 56 Resp: 124961

Ion Ratio Lower Upper

56 100

69 31.6 13.4 20.0#

84 94.5 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 44.184 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

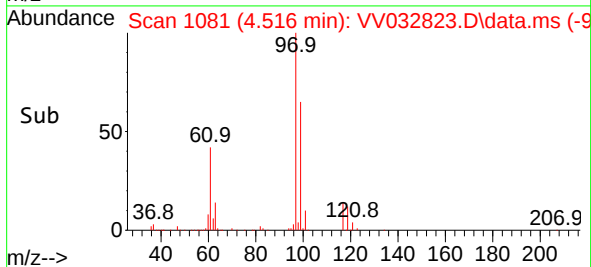
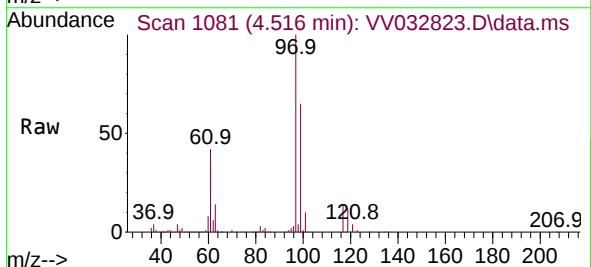
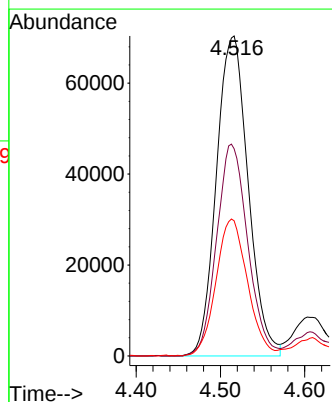
Tgt Ion: 97 Resp: 184572

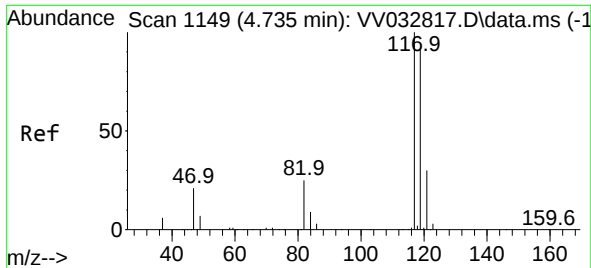
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

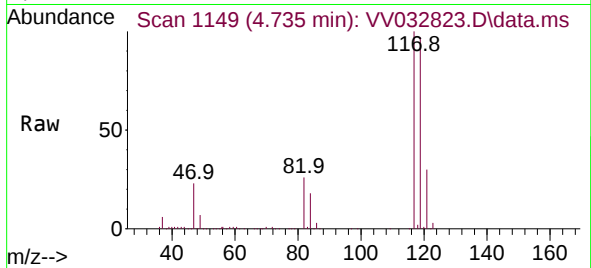
61 42.3 34.8 52.2



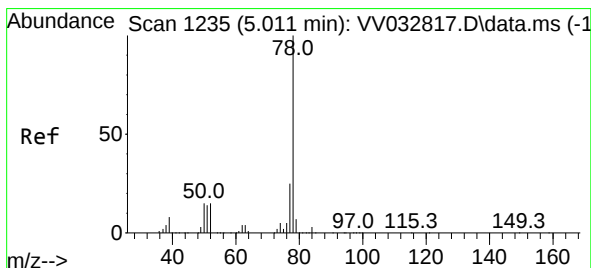
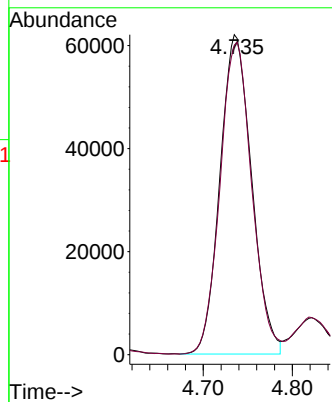
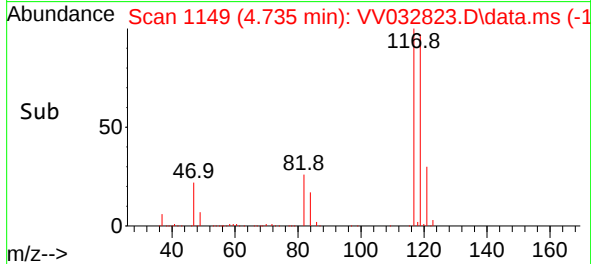


#31
Carbon tetrachloride
Concen: 41.470 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Instrument :
MSVOA_V
ClientSampleId :

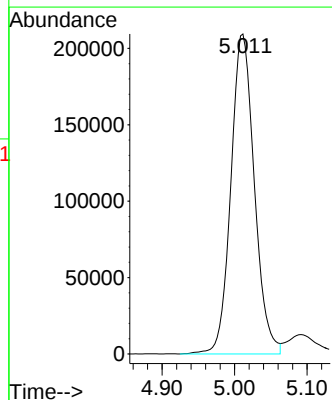
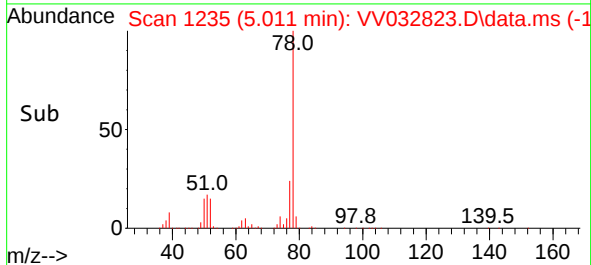
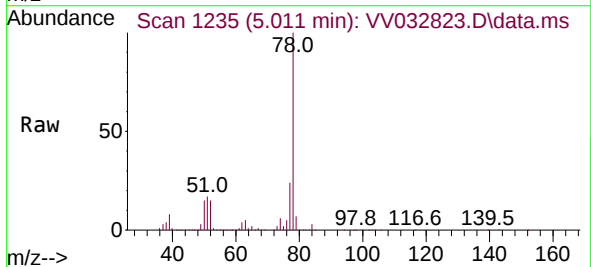


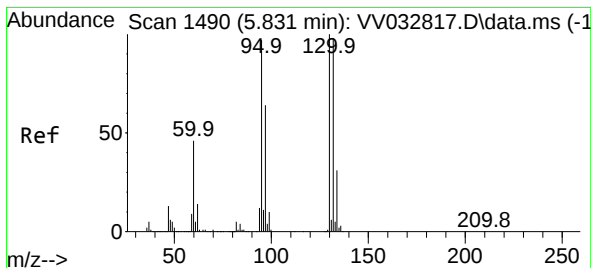
Tgt Ion:117 Resp: 153080
Ion Ratio Lower Upper
117 100
119 98.2 76.6 115.0



#33
Benzene
Concen: 51.038 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion: 78 Resp: 471875





#34

Trichloroethene

Concen: 45.284 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 116548

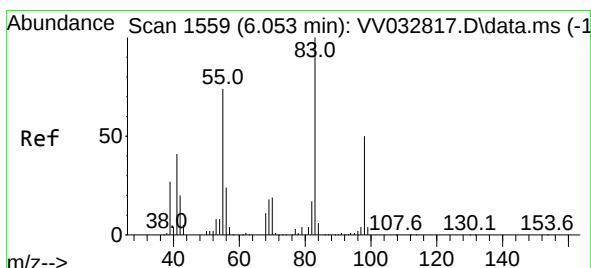
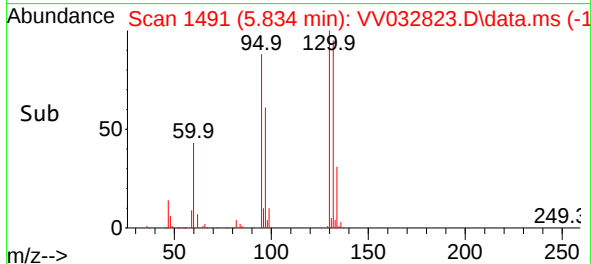
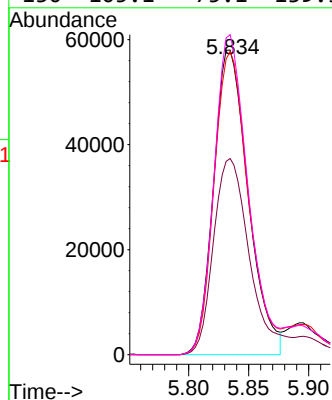
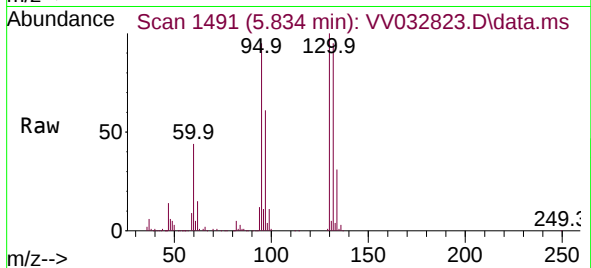
Ion Ratio Lower Upper

95 100

97 64.4 46.3 85.9

132 99.6 69.0 128.2

130 105.1 75.1 139.5



#35

Methylcyclohexane

Concen: 41.757 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

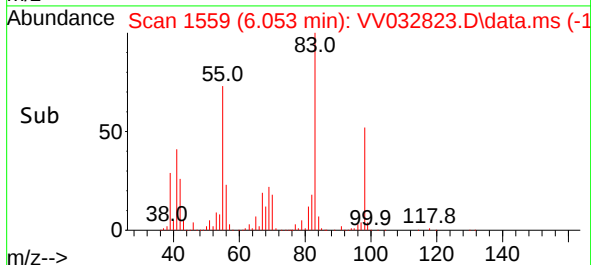
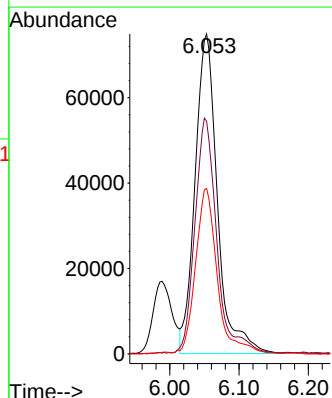
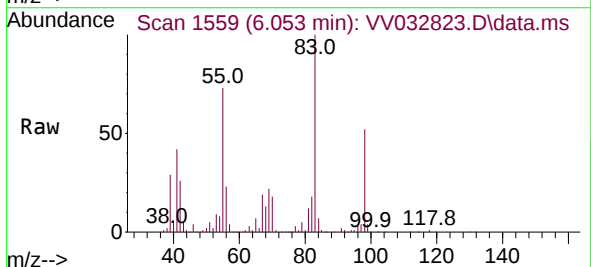
Tgt Ion: 83 Resp: 168160

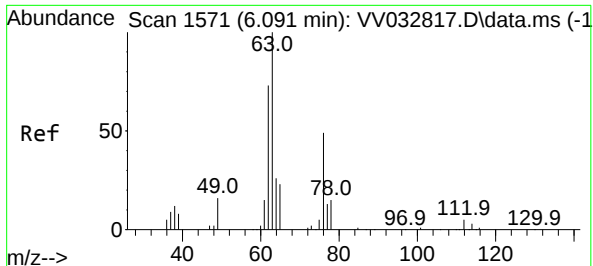
Ion Ratio Lower Upper

83 100

55 68.4 57.8 86.8

98 50.4 39.4 59.2





#37

1,2-Dichloropropane

Concen: 49.764 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

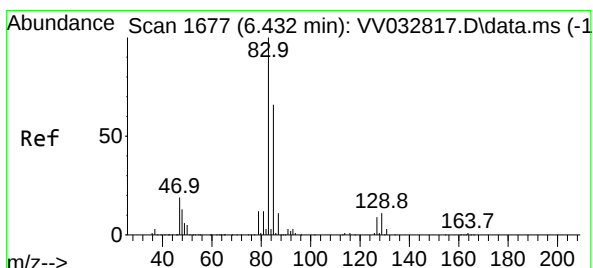
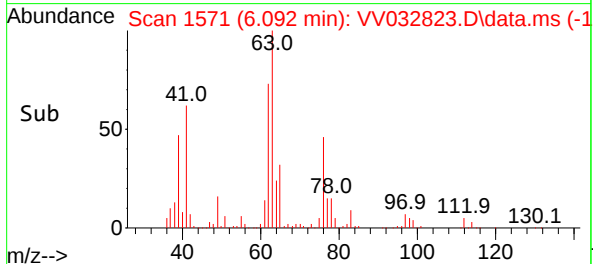
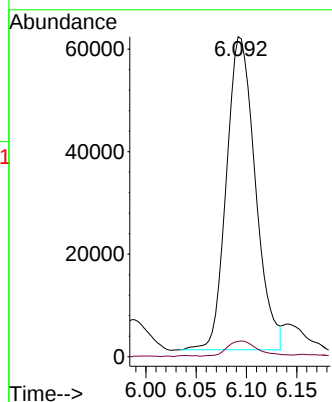
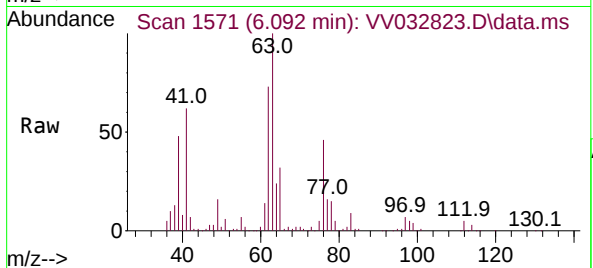
ClientSampleId :

Tgt Ion: 63 Resp: 122131

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 51.261 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

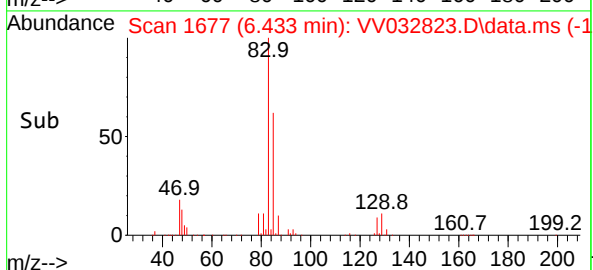
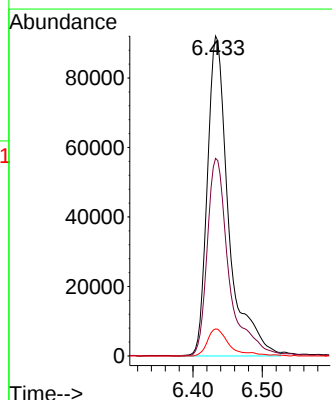
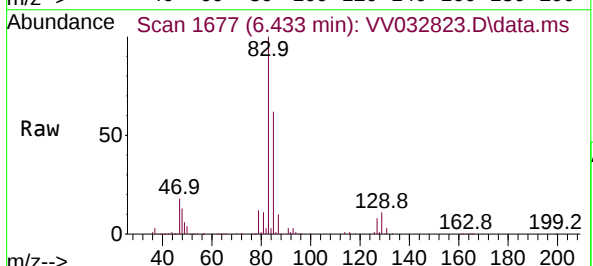
Tgt Ion: 83 Resp: 197365

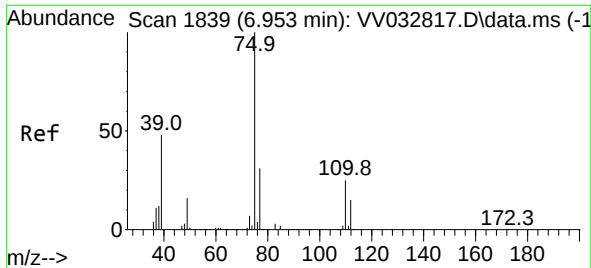
Ion Ratio Lower Upper

83 100

85 61.7 45.1 83.9

127 8.5 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 56.331 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

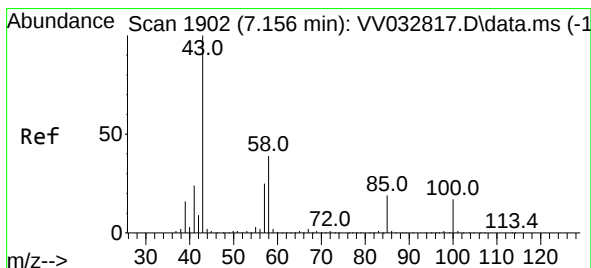
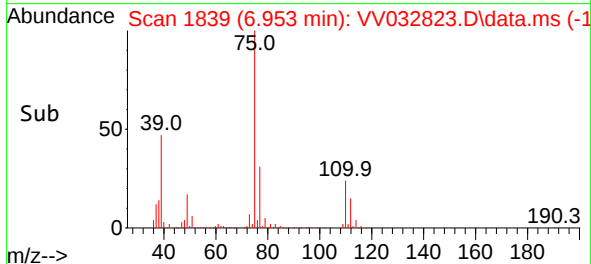
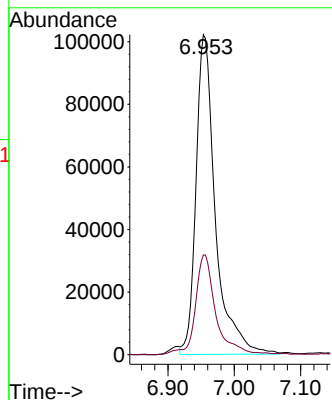
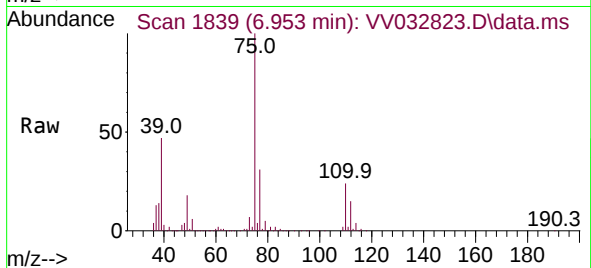
ClientSampleId :

Tgt Ion: 75 Resp: 207399

Ion Ratio Lower Upper

75 100

77 31.2 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 119.573 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

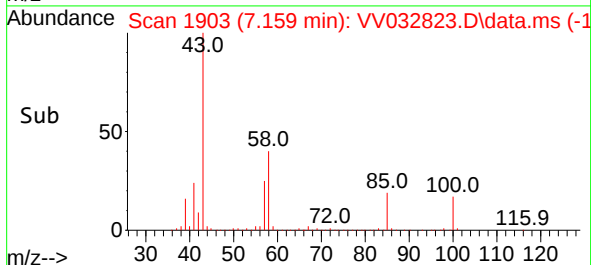
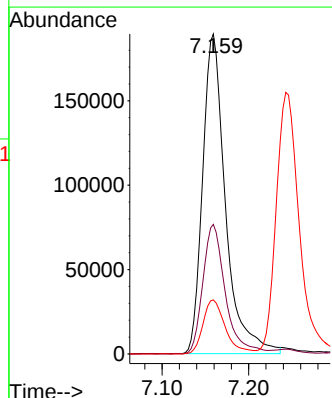
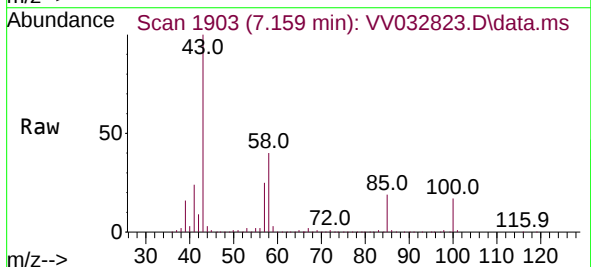
Tgt Ion: 43 Resp: 347778

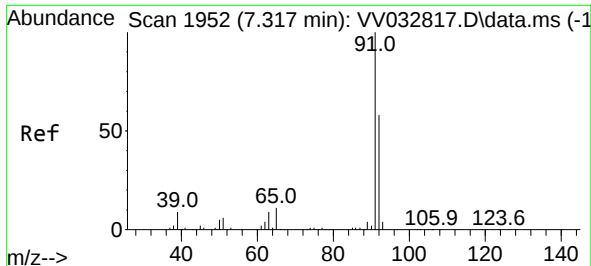
Ion Ratio Lower Upper

43 100

58 39.7 31.4 47.0

100 16.6 13.3 19.9





#42

Toluene

Concen: 51.407 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

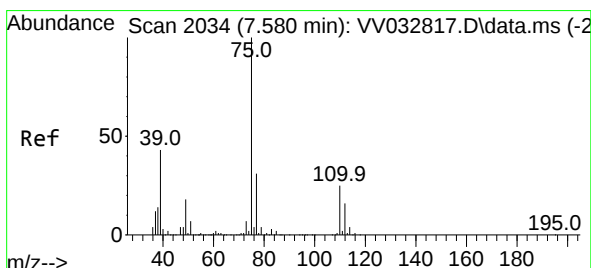
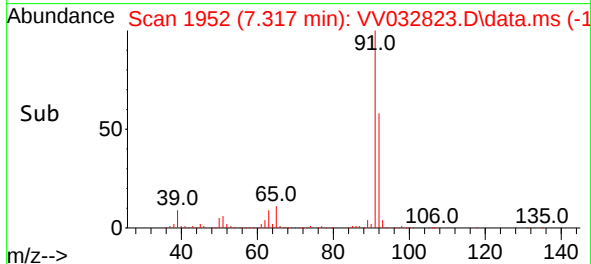
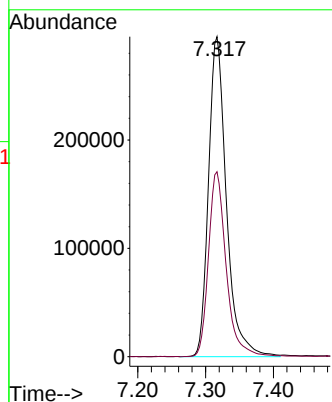
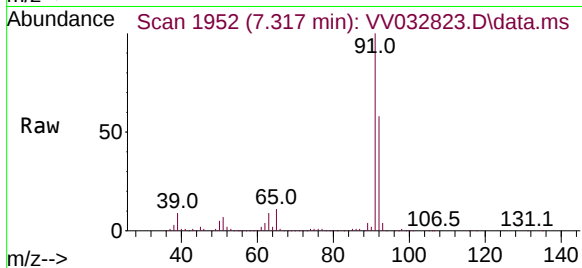
ClientSampleId :

Tgt Ion: 91 Resp: 541260

Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 54.394 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV032823.D

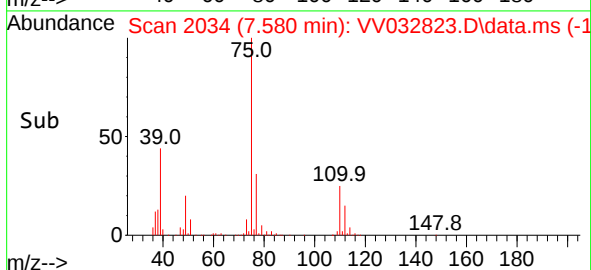
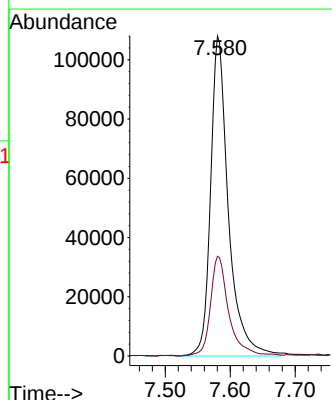
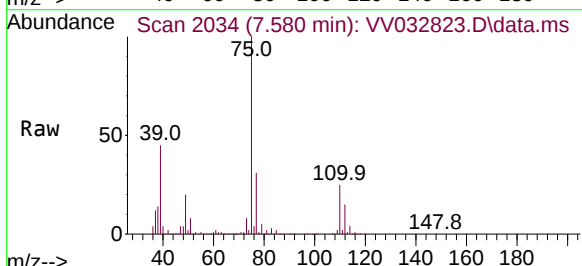
Acq: 01 Nov 2023 13:04

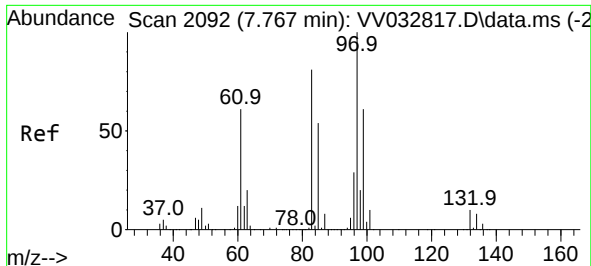
Tgt Ion: 75 Resp: 205705

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 53.573 ug/L

RT: 7.770 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 150807

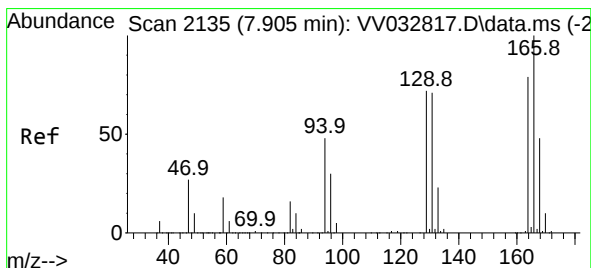
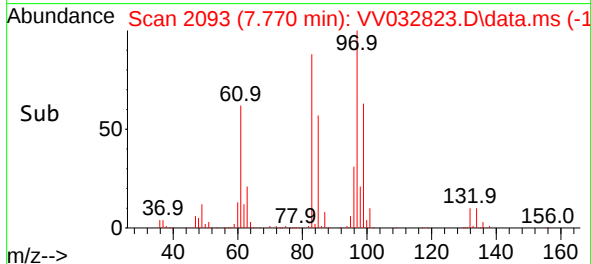
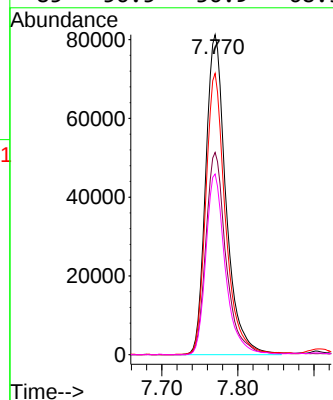
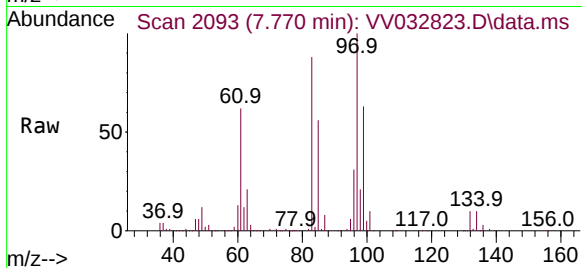
Ion Ratio Lower Upper

97 100

99 63.2 42.8 79.6

83 87.9 58.4 108.4

85 56.5 36.9 68.5



#46

Tetrachloroethene

Concen: 43.126 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Tgt Ion:164 Resp: 100148

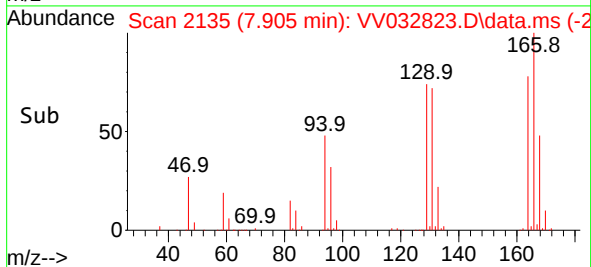
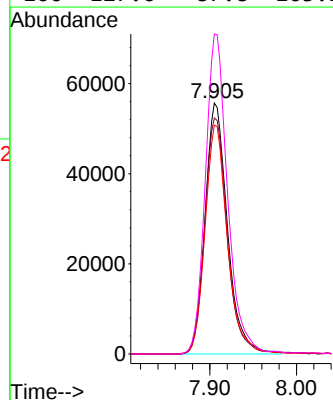
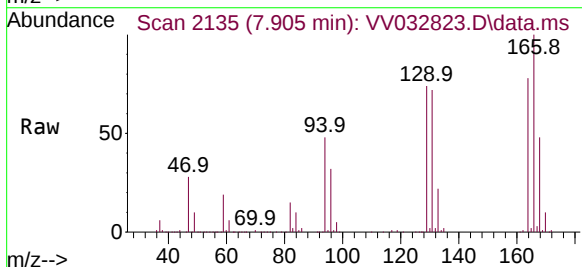
Ion Ratio Lower Upper

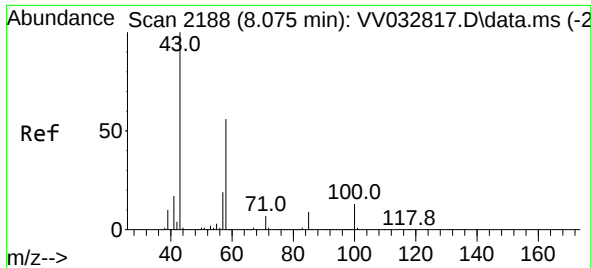
164 100

129 94.1 65.3 121.3

131 91.2 65.0 120.8

166 127.6 87.8 163.2



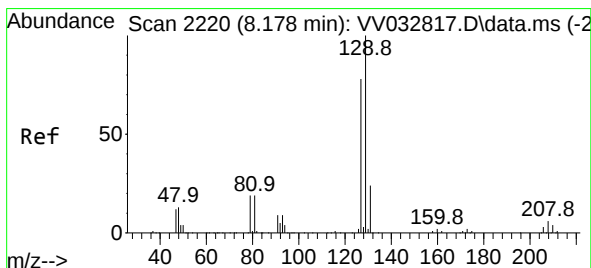
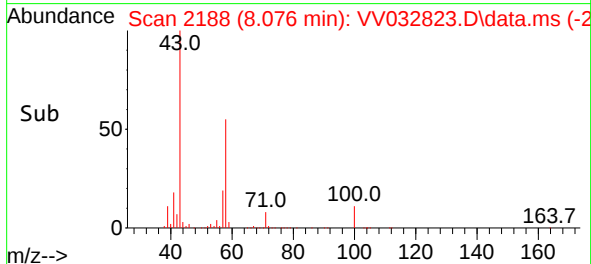
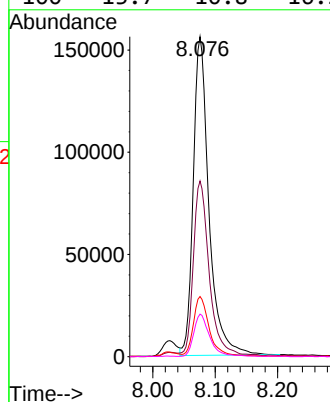
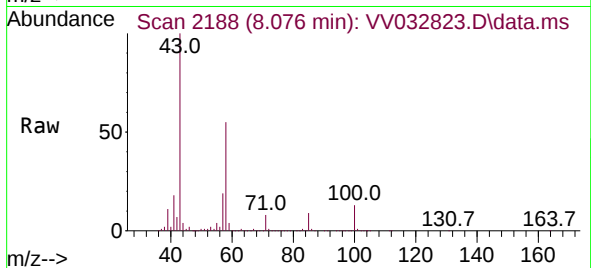


#48
2-Hexanone
Concen: 104.251 ug/L
RT: 8.076 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 272050

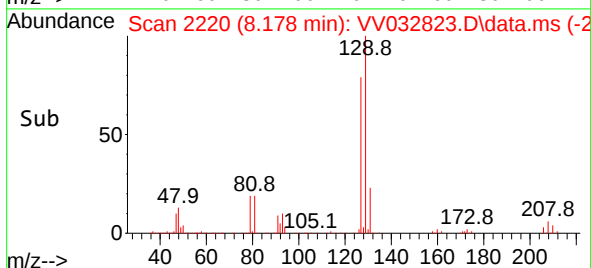
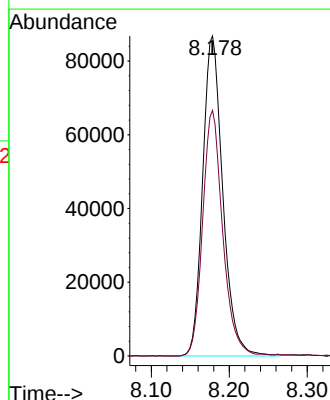
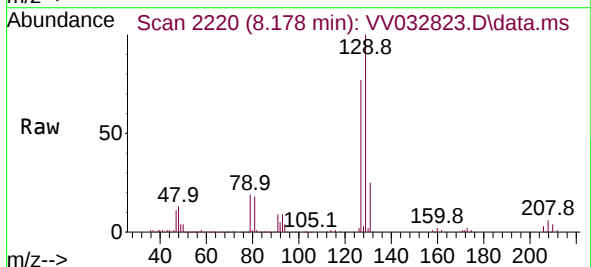
Ion	Ratio	Lower	Upper
43	100		
58	53.7	43.3	64.9
57	19.2	15.5	23.3
100	13.7	10.8	16.2

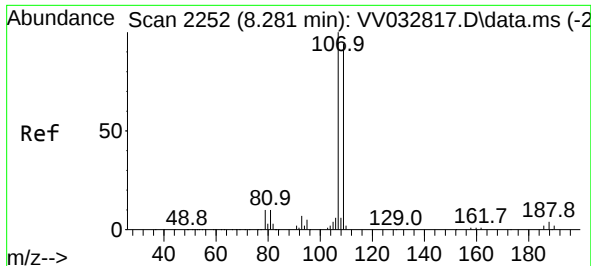


#49
Dibromochloromethane
Concen: 52.846 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion: 129 Resp: 155526

Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.7	101.5





#50

1,2-Dibromoethane

Concen: 55.062 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

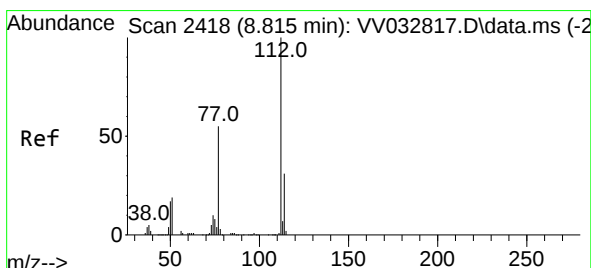
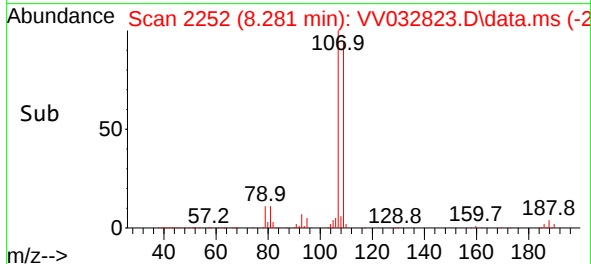
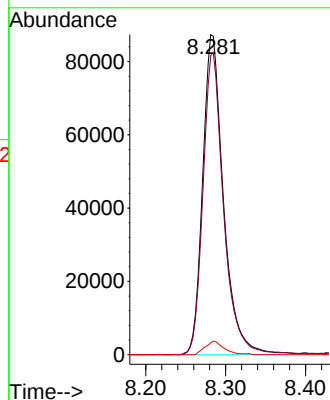
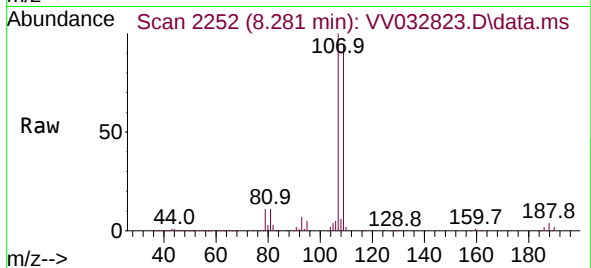
Tgt Ion:107 Resp: 157910

Ion Ratio Lower Upper

107 100

109 93.5 66.4 123.2

188 3.7 3.0 4.6



#51

Chlorobenzene

Concen: 48.304 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

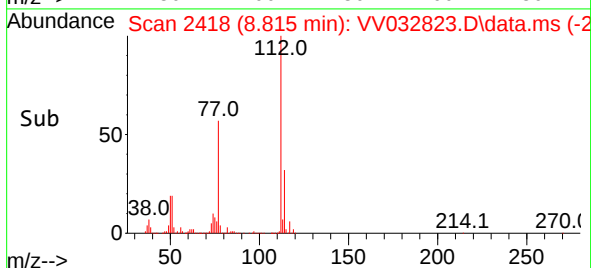
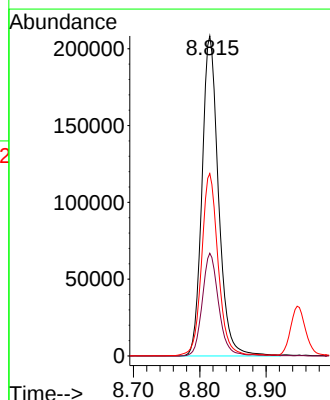
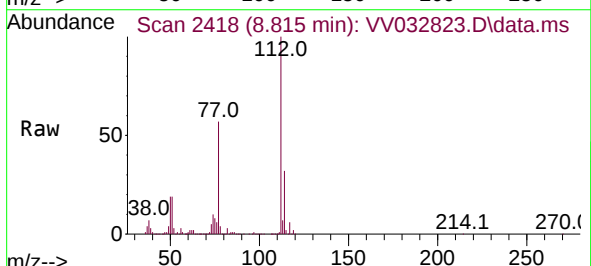
Tgt Ion:112 Resp: 360056

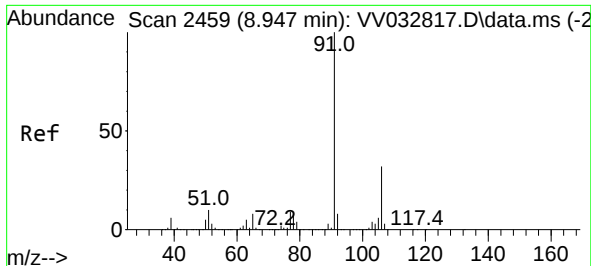
Ion Ratio Lower Upper

112 100

114 32.1 21.6 40.2

77 57.0 44.4 66.6





#52

Ethylbenzene

Concen: 48.450 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

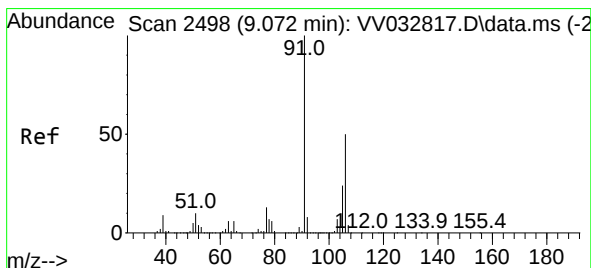
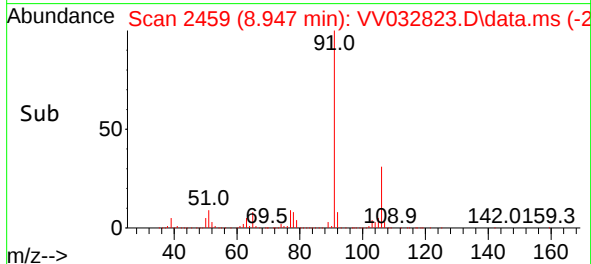
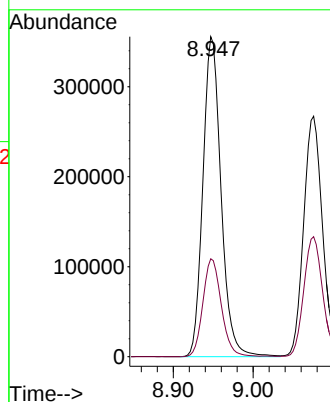
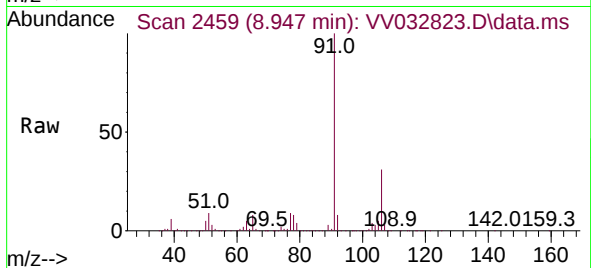
ClientSampleId :

Tgt Ion: 91 Resp: 562723

Ion Ratio Lower Upper

91 100

106 30.6 21.7 40.3



#53

m,p-Xylene

Concen: 49.673 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.003 min

Lab File: VV032823.D

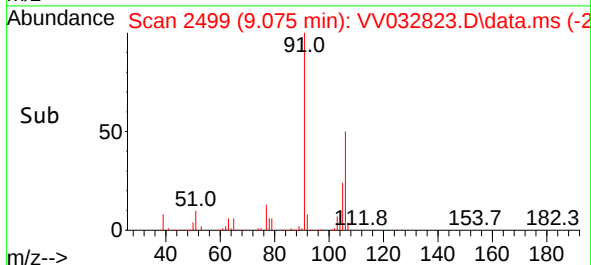
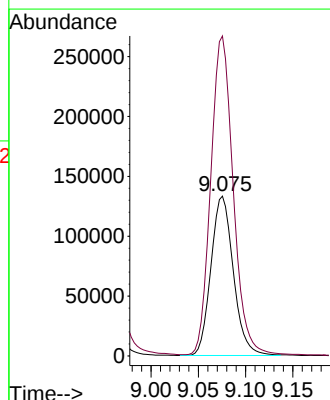
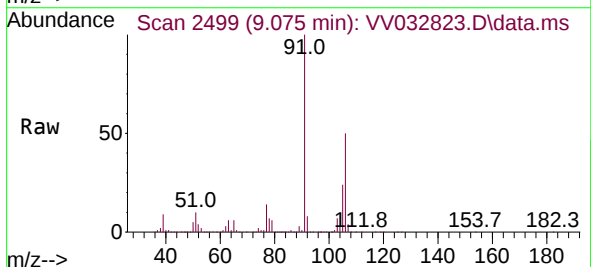
Acq: 01 Nov 2023 13:04

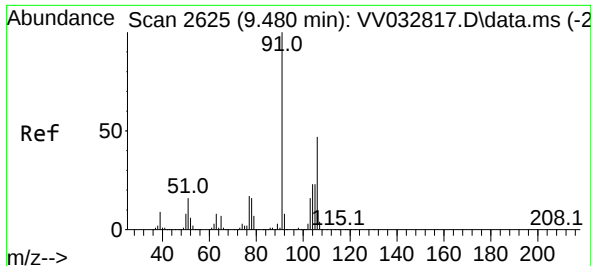
Tgt Ion: 106 Resp: 219569

Ion Ratio Lower Upper

106 100

91 200.3 139.7 259.5

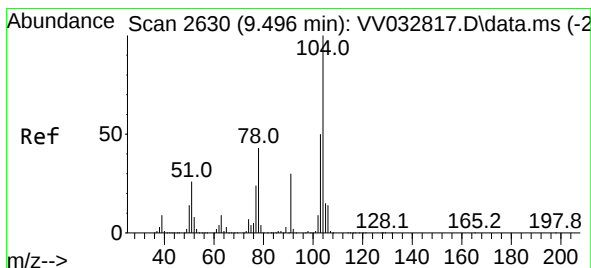
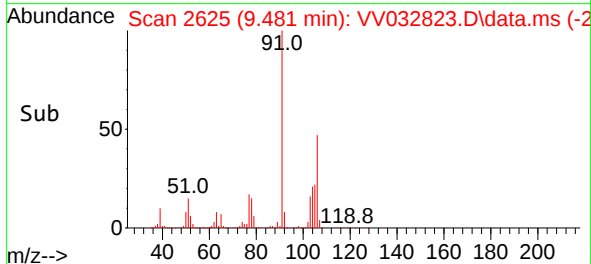
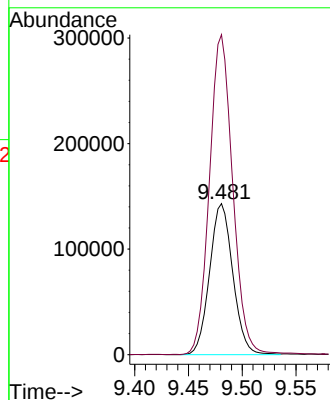
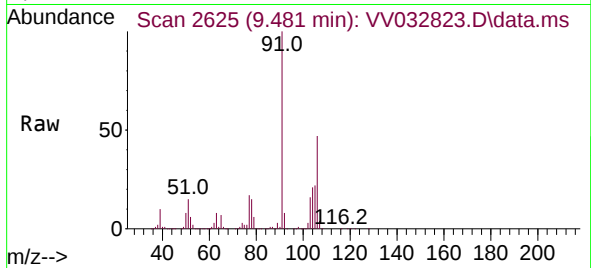




#54
o-Xylene
Concen: 50.295 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

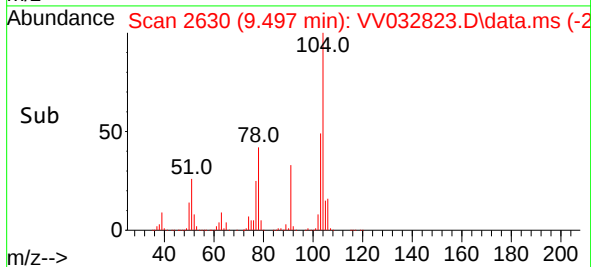
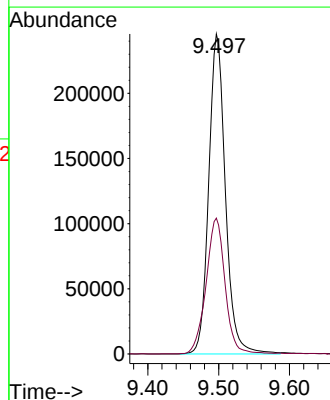
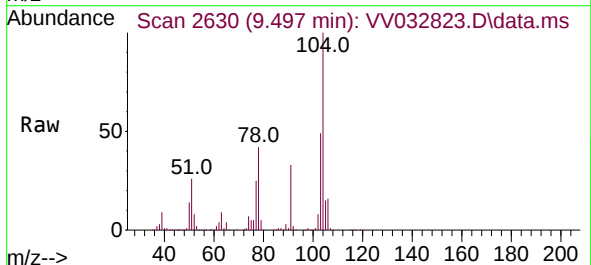
Instrument :
MSVOA_V
ClientSampleId :

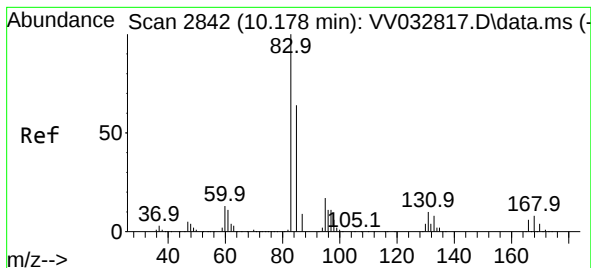
Tgt Ion:106 Resp: 215381
Ion Ratio Lower Upper
106 100
91 211.9 151.0 280.4



#55
Styrene
Concen: 53.855 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion:104 Resp: 401913
Ion Ratio Lower Upper
104 100
78 42.5 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 54.081 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

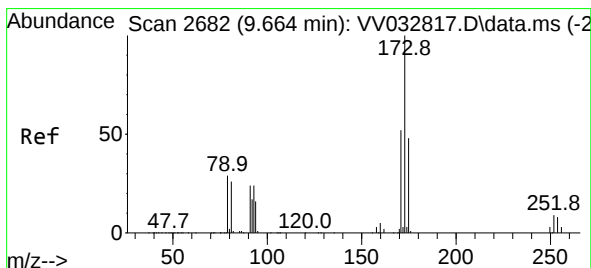
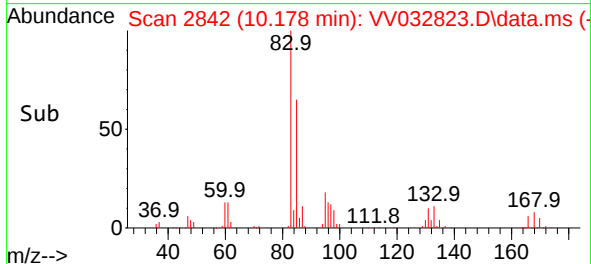
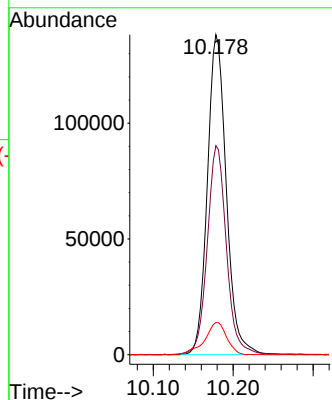
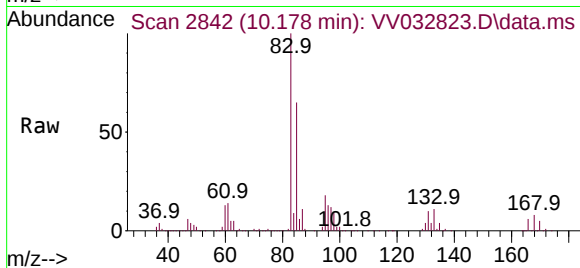
Tgt Ion: 83 Resp: 228007

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.3

131 10.1 7.8 11.6



#59

Bromoform

Concen: 52.939 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

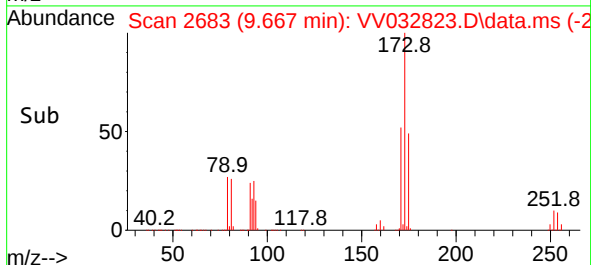
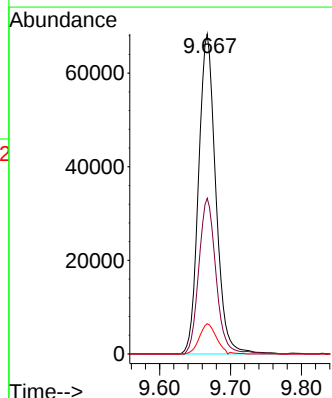
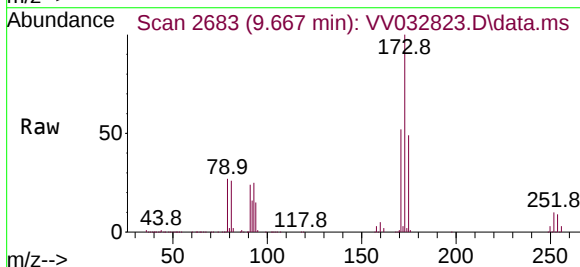
Tgt Ion: 173 Resp: 115163

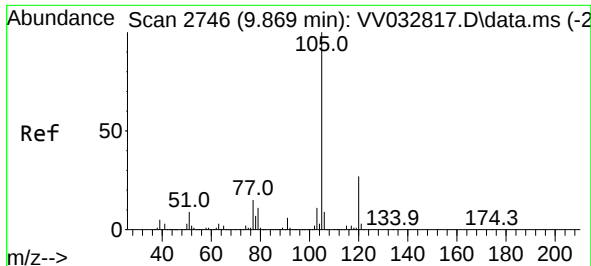
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 9.2 7.0 10.6

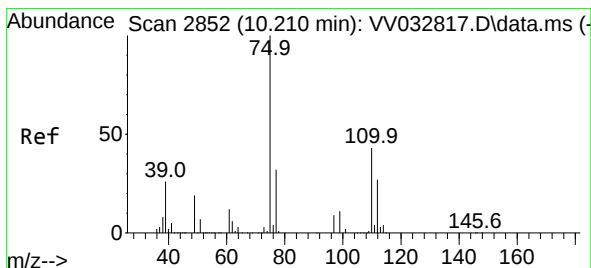
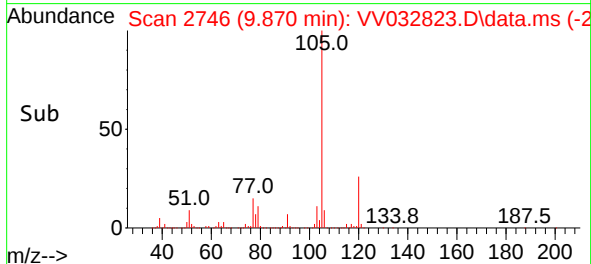
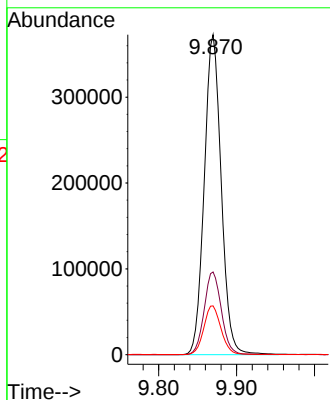
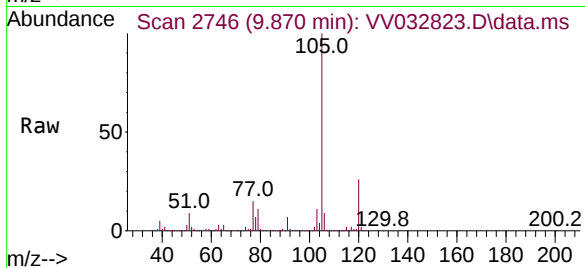




#60
Isopropylbenzene
Concen: 47.926 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

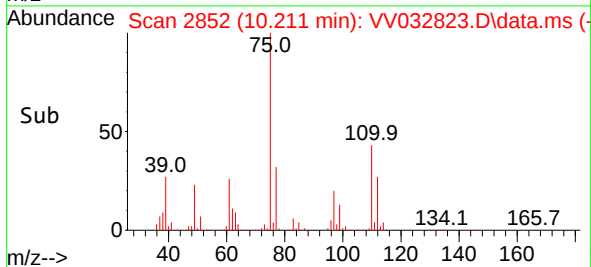
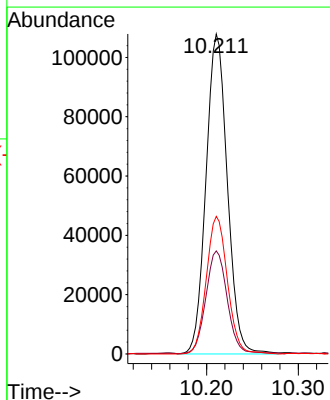
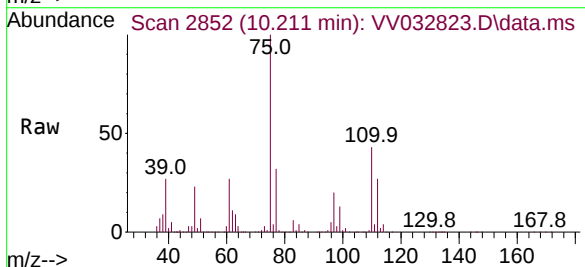
Instrument :
MSVOA_V
ClientSampleId :

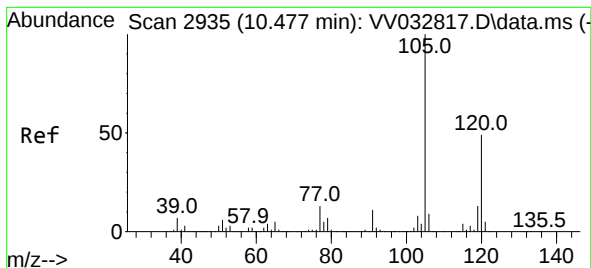
Tgt Ion:105 Resp: 563925
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 53.936 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032823.D
Acq: 01 Nov 2023 13:04

Tgt Ion: 75 Resp: 174800
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
110 42.5 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 49.104 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

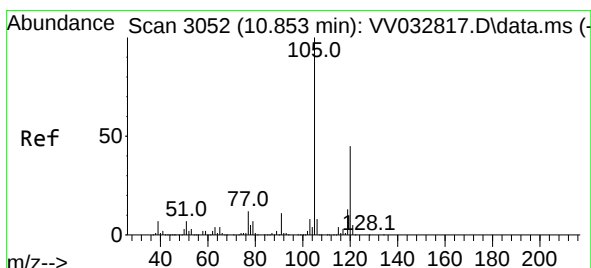
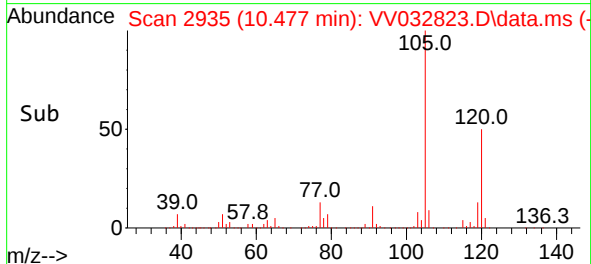
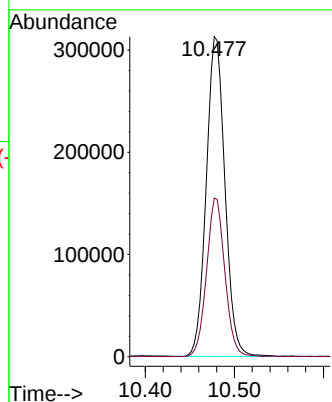
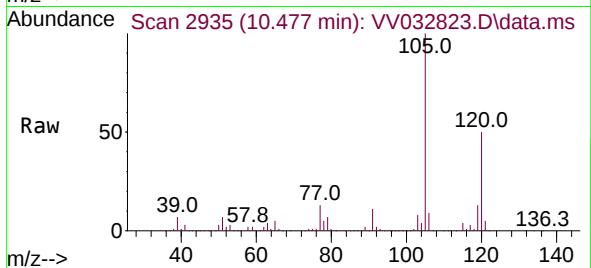
ClientSampleId :

Tgt Ion:105 Resp: 454670

Ion Ratio Lower Upper

105 100

120 48.7 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 50.747 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032823.D

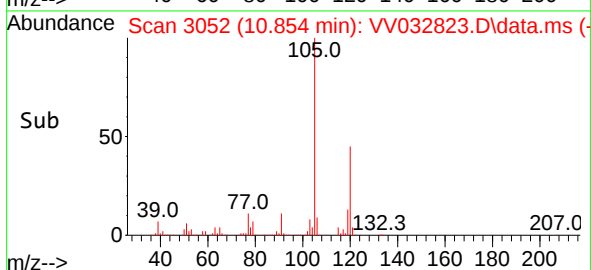
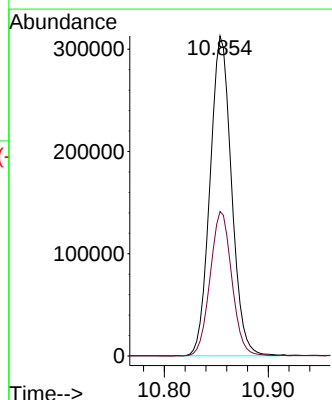
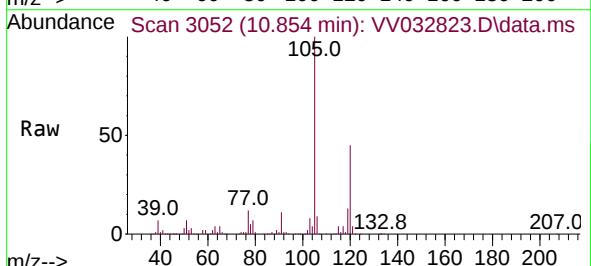
Acq: 01 Nov 2023 13:04

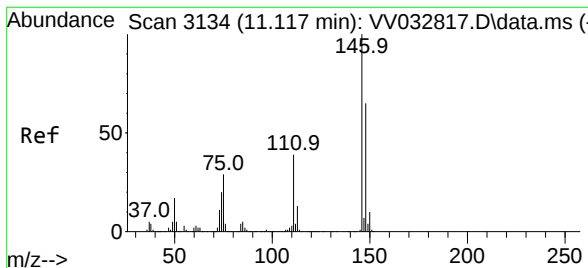
Tgt Ion:105 Resp: 449481

Ion Ratio Lower Upper

105 100

120 45.3 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 49.006 ug/L

RT: 11.120 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

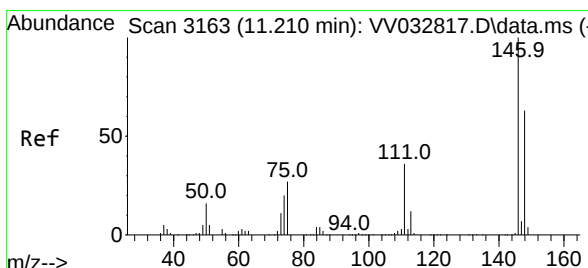
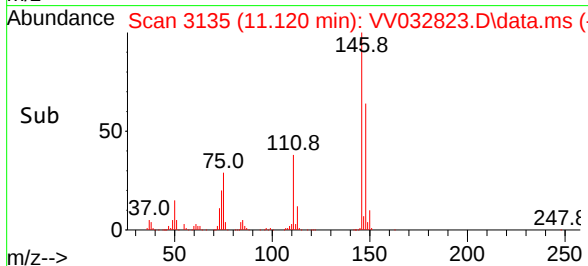
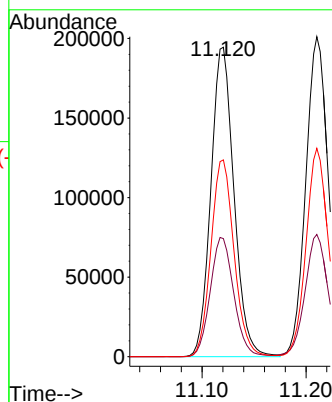
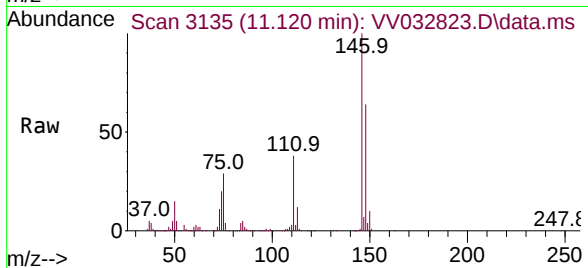
Tgt Ion:146 Resp: 300405

Ion Ratio Lower Upper

146 100

111 38.2 27.2 50.4

148 63.6 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 47.479 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

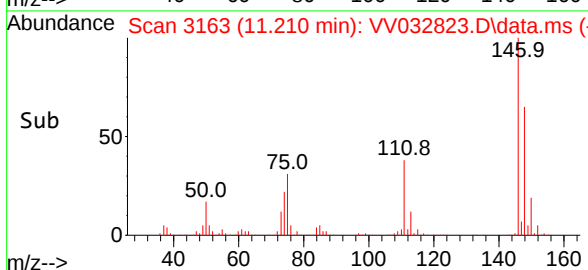
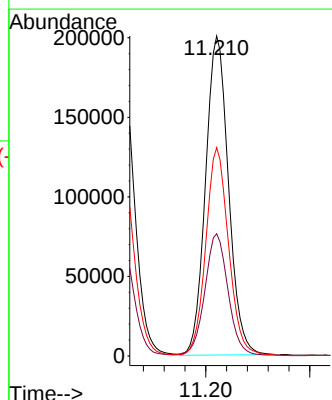
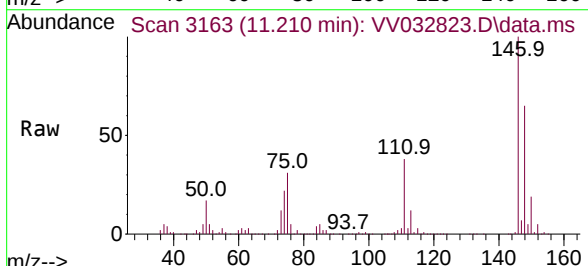
Tgt Ion:146 Resp: 307088

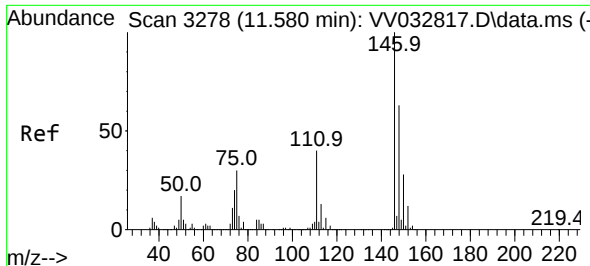
Ion Ratio Lower Upper

146 100

111 38.2 26.5 49.1

148 65.1 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 49.053 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

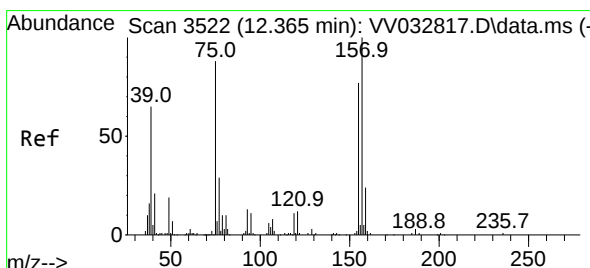
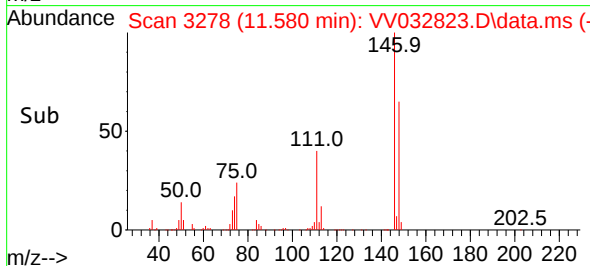
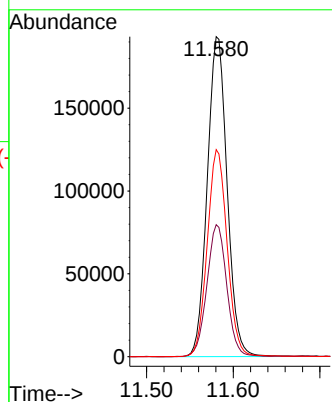
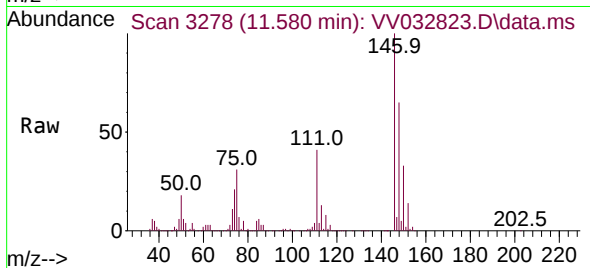
Tgt Ion:146 Resp: 306971

Ion Ratio Lower Upper

146 100

111 41.2 32.5 48.7

148 64.7 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 52.962 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

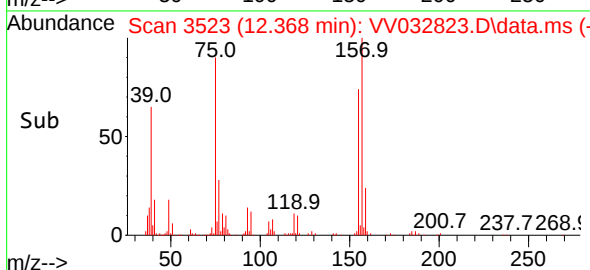
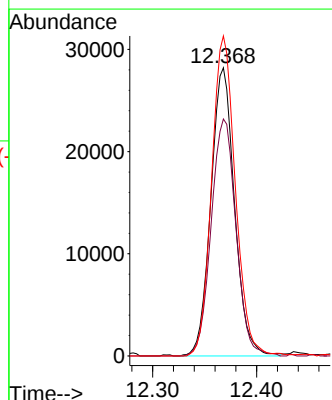
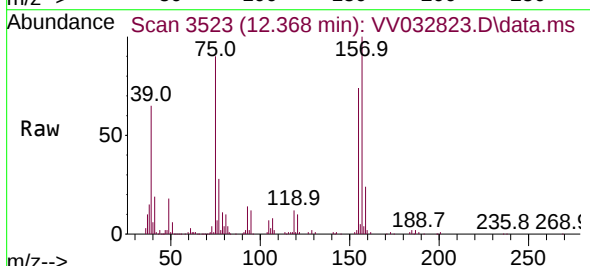
Tgt Ion: 75 Resp: 44671

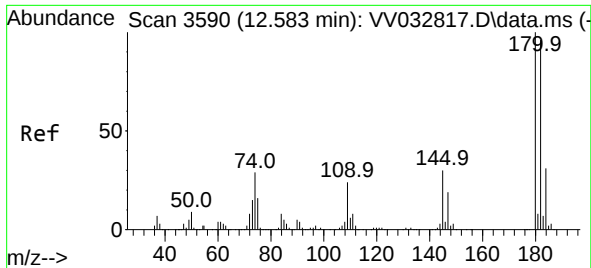
Ion Ratio Lower Upper

75 100

155 82.2 68.6 102.8

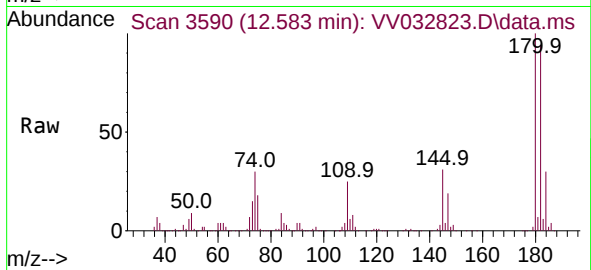
157 111.1 87.3 130.9



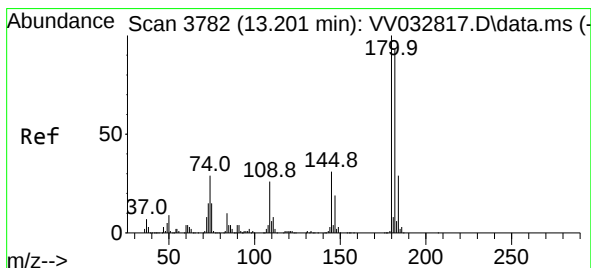
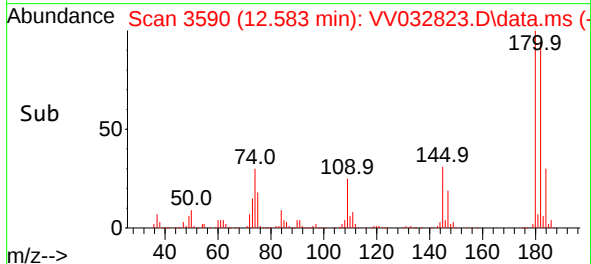
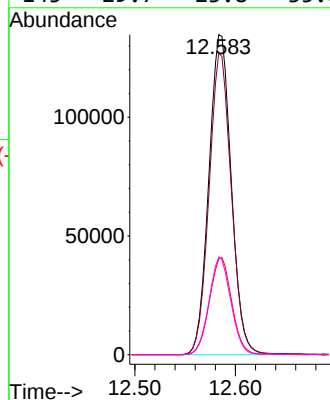


#69
 1,3,5-Trichlorobenzene
 Concen: 47.153 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV032823.D
 Acq: 01 Nov 2023 13:04

Instrument :
 MSVOA_V
 ClientSampleId :

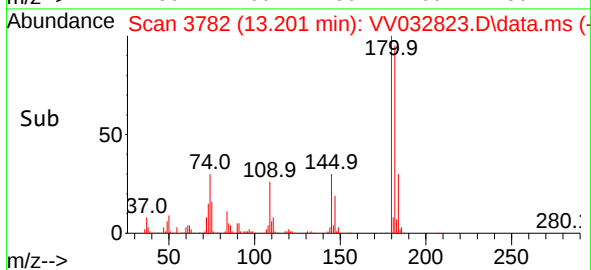
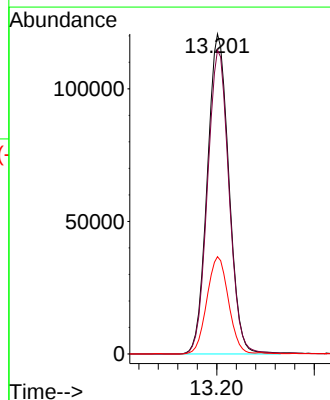
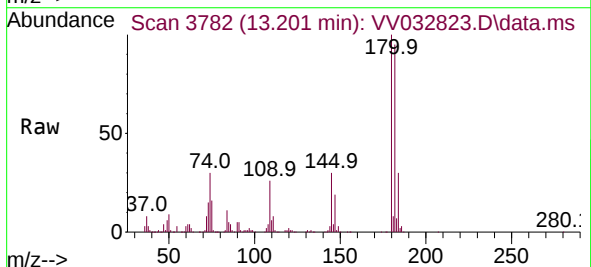


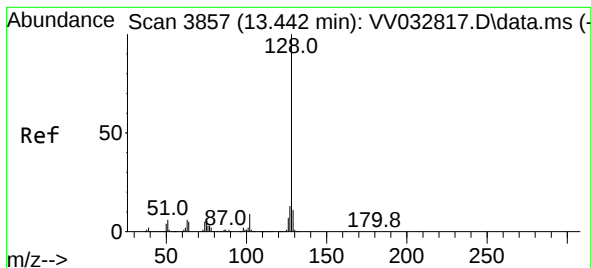
Tgt Ion:180 Resp: 208664
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.9 113.9
 184 30.1 23.5 35.3
 145 29.7 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 48.434 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV032823.D
 Acq: 01 Nov 2023 13:04

Tgt Ion:180 Resp: 185362
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.9 115.3
 145 30.4 24.7 37.1





#71

Naphthalene

Concen: 55.526 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Instrument :

MSVOA_V

ClientSampleId :

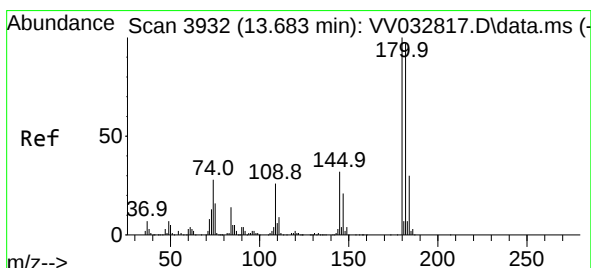
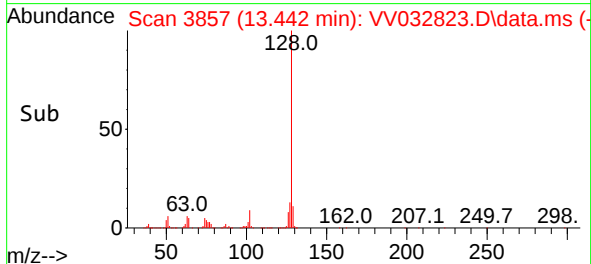
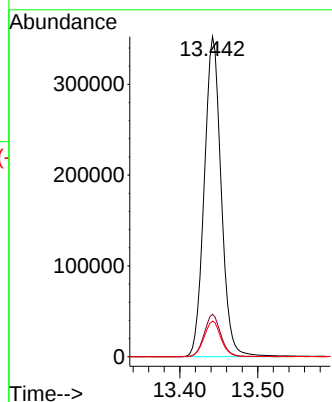
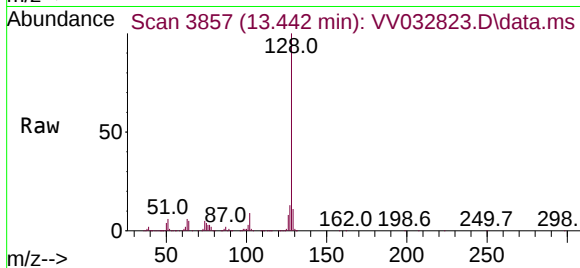
Tgt Ion:128 Resp: 530662

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 11.1 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 53.121 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032823.D

Acq: 01 Nov 2023 13:04

Tgt Ion:180 Resp: 202981

Ion Ratio Lower Upper

180 100

182 92.4 76.2 114.4

145 31.6 25.8 38.8

