

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091423\
 Data File : VV032107.D
 Acq On : 14 Sep 2023 22:57
 Operator : SY/MD
 Sample : 04440-03MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 15 08:07:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	230009	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	229664	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	123383	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	53297	37.025	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.060%
7) Chloroethane-d5	1.529	69	49504	39.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.460%
11) 1,1-Dichloroethene-d2	2.060	65	24102	35.758	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.520%
21) 2-Butanone-d5	3.786	46	130315	115.104	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.100%
24) Chloroform-d	4.253	84	139249	44.258	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.520%
26) 1,2-Dichloroethane-d4	4.944	65	83976	40.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.440%
32) Benzene-d6	4.963	84	256596	40.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.880%
36) 1,2-Dichloropropane-d6	5.992	67	88765	44.006	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.020%
41) Toluene-d8	7.246	98	228217	39.523	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.040%#
43) trans-1,3-Dichloroprop...	7.555	79	41946	40.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.240%
47) 2-Hexanone-d5	8.027	63	85682	138.592	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.590%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	140630	53.952	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.900%
66) 1,2-Dichlorobenzene-d4	11.564	152	97875	43.515	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	58986	42.126	ug/L	97
3) Chloromethane	1.214	50	68114	47.704	ug/L	100
5) Vinyl chloride	1.282	62	71143	46.656	ug/L	99
6) Bromomethane	1.481	94	42532	47.373	ug/L	99
8) Chloroethane	1.545	64	48567	47.925	ug/L	98
9) Trichlorofluoromethane	1.712	101	104098	46.832	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	65651	48.917	ug/L	99
12) 1,1-Dichloroethene	2.069	96	56892	47.195	ug/L	83
13) Acetone	2.111	43	83639	83.002	ug/L	100
14) Carbon disulfide	2.240	76	123343	44.904	ug/L	99
15) Methyl Acetate	2.375	43	88296	49.131	ug/L	99
16) Methylene chloride	2.446	84	80232	51.793	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	64645	48.914	ug/L	94
18) Methyl tert-butyl Ether	2.706	73	276226	49.454	ug/L	98
19) 1,1-Dichloroethane	3.114	63	152260	51.408	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	86491	52.163	ug/L	95
22) 2-Butanone	3.870	43	137598	103.195	ug/L	96
23) Bromochloromethane	4.150	128	42582	52.934	ug/L	99
25) Chloroform	4.278	83	155542	50.510	ug/L	99

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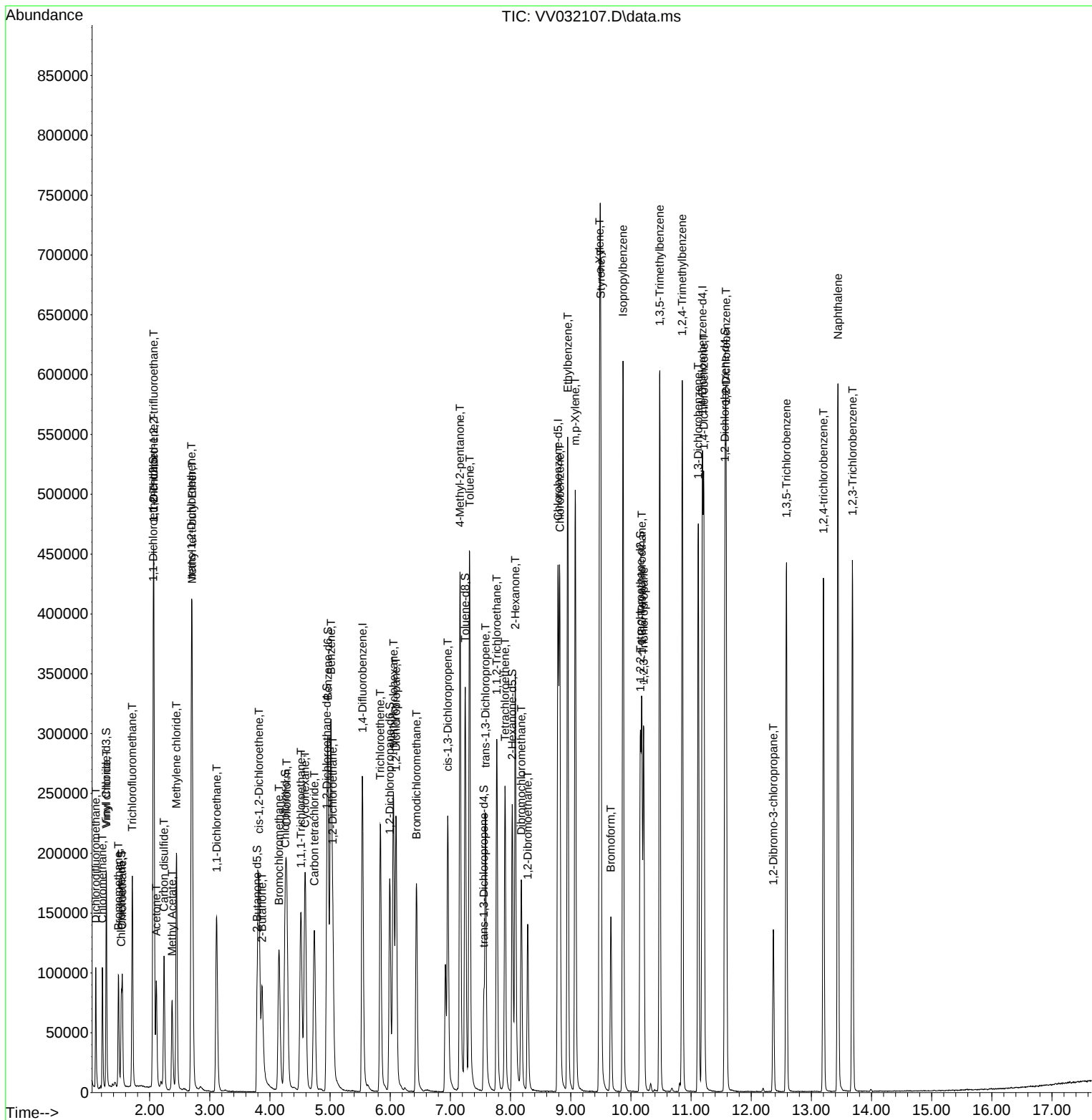
Instrument :
 MSVOA_V
 ClientSampleId :

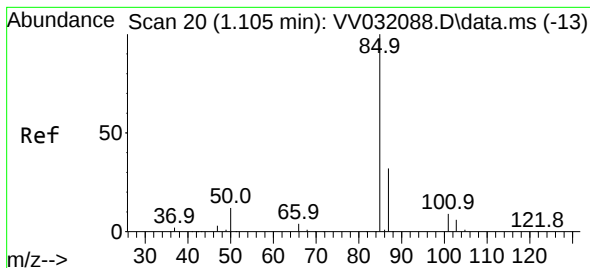
Quant Time: Sep 15 08:07:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	116878	48.176	ug/L	98
29) Cyclohexane	4.584	56	109682	45.868	ug/L	96
30) 1,1,1-Trichloroethane	4.516	97	126700	47.296	ug/L	98
31) Carbon tetrachloride	4.738	117	103254	45.392	ug/L	98
33) Benzene	5.015	78	309949	50.228	ug/L	100
34) Trichloroethene	5.834	95	80851	42.841	ug/L	97
35) Methylcyclohexane	6.053	83	102928	41.003	ug/L	95
37) 1,2-Dichloropropane	6.095	63	93883	53.675	ug/L	100
38) Bromodichloromethane	6.436	83	123328	49.675	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	142741	46.939	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	302729	109.045	ug/L	99
42) Toluene	7.320	91	335973	49.495	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	129302	44.254	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	93490	52.906	ug/L	98
46) Tetrachloroethene	7.908	164	56724	47.868	ug/L	99
48) 2-Hexanone	8.079	43	227146	107.140	ug/L	99
49) Dibromochloromethane	8.178	129	91193	50.220	ug/L	99
50) 1,2-Dibromoethane	8.285	107	94788	51.213	ug/L	98
51) Chlorobenzene	8.818	112	225207	49.929	ug/L	99
52) Ethylbenzene	8.950	91	385112	47.895	ug/L	99
53) m,p-Xylene	9.076	106	139576	46.751	ug/L	98
54) o-Xylene	9.481	106	141831	47.765	ug/L	100
55) Styrene	9.500	104	254979	48.575	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.182	83	156801	62.682	ug/L	100
59) Bromoform	9.667	173	65817	51.441	ug/L	99
60) Isopropylbenzene	9.870	105	392298	47.471	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	119538	51.281	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	319476	45.951	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	321027	45.900	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	181532	49.015	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	187030	49.663	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	187188	51.005	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	32090	45.831	ug/L	90
69) 1,3,5-Trichlorobenzene	12.587	180	127992	47.405	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	123830	47.781	ug/L	98
71) Naphthalene	13.442	128	443009	53.503	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	128300	51.663	ug/L	98

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

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QLast Update : Fri Sep 15 08:00:54 2023
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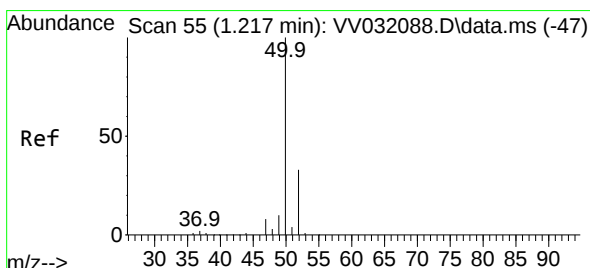
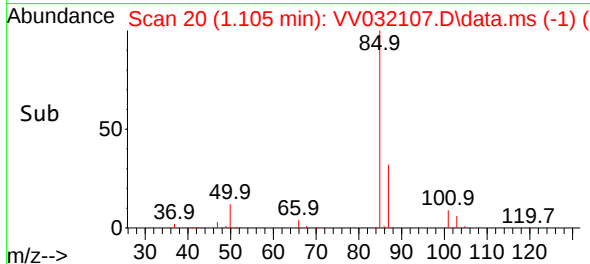
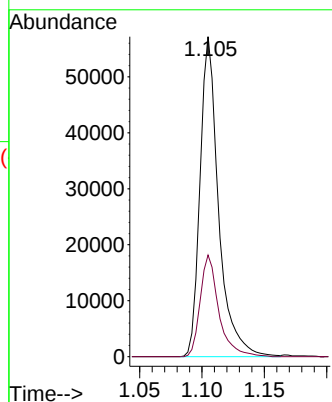
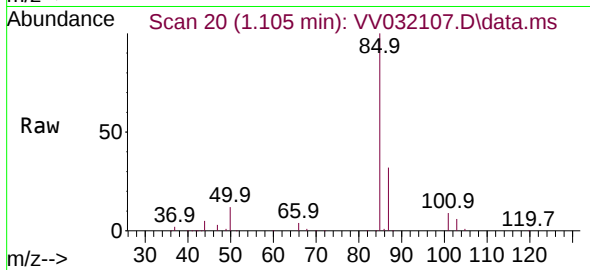




#2
 Dichlorodifluoromethane
 Concen: 42.126 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032107.D
 Acq: 14 Sep 2023 22:57

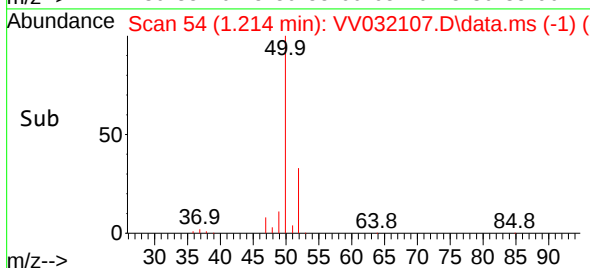
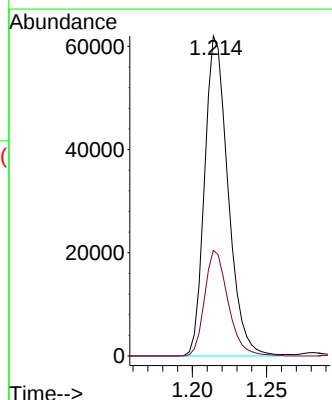
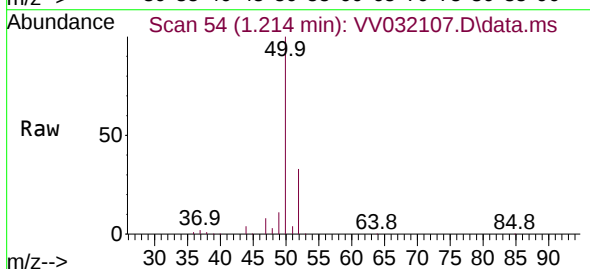
Instrument :
 MSVOA_V
 ClientSampleId :

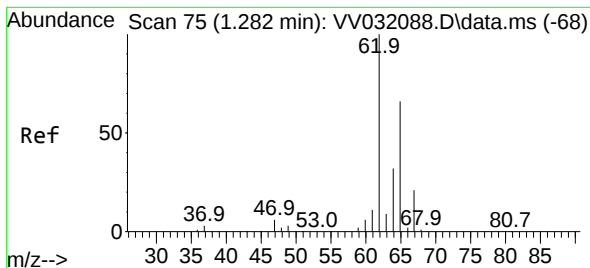
Tgt Ion: 85 Resp: 58986
 Ion Ratio Lower Upper
 85 100
 87 31.8 26.8 40.2



#3
 Chloromethane
 Concen: 47.704 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032107.D
 Acq: 14 Sep 2023 22:57

Tgt Ion: 50 Resp: 68114
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.0 42.6





#5

Vinyl chloride

Concen: 46.656 ug/L

RT: 1.282 min Scan# 71

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

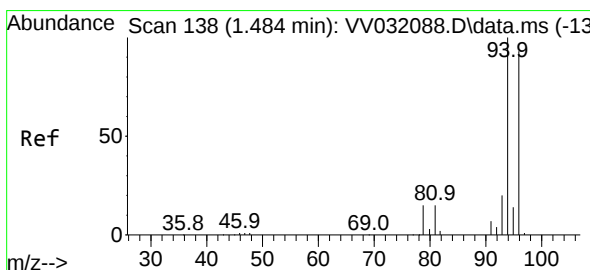
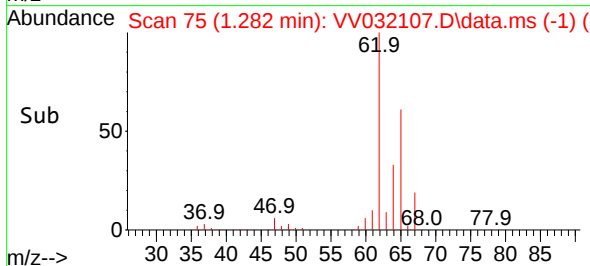
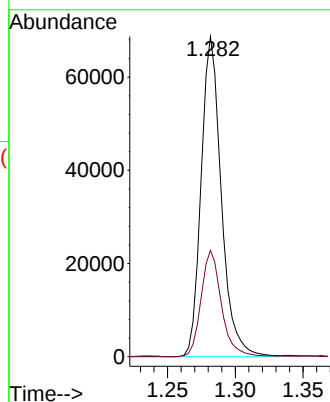
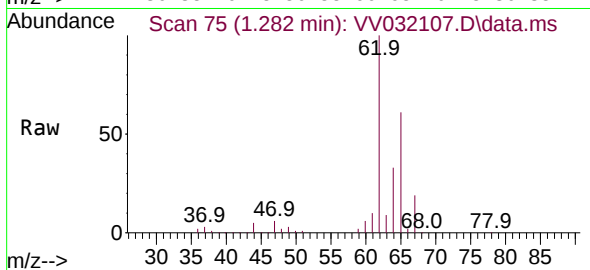
ClientSampleId :

Tgt Ion: 62 Resp: 71143

Ion Ratio Lower Upper

62 100

64 33.2 23.6 43.8



#6

Bromomethane

Concen: 47.373 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV032107.D

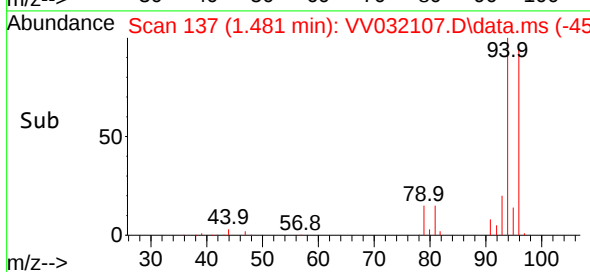
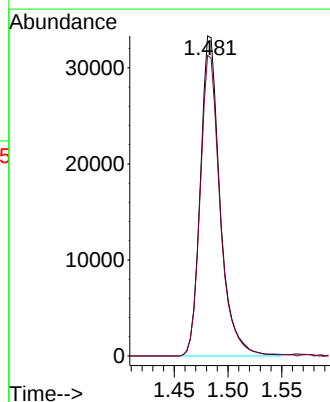
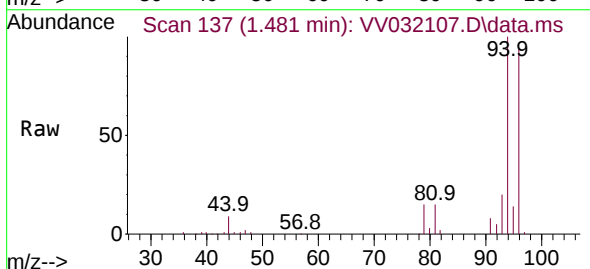
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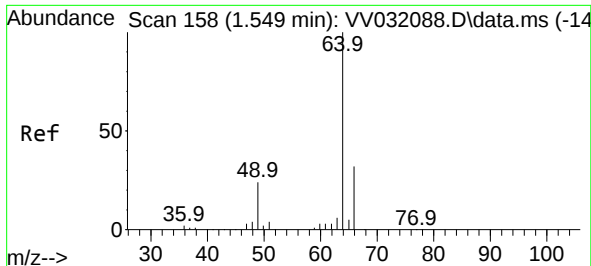
Tgt Ion: 94 Resp: 42532

Ion Ratio Lower Upper

94 100

96 93.9 66.4 123.4

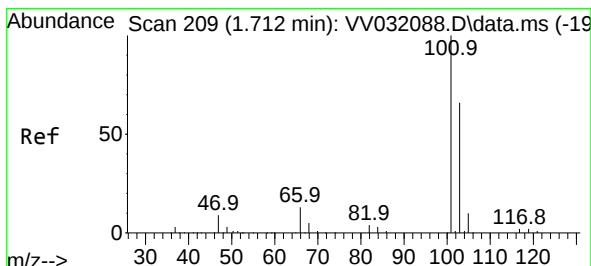
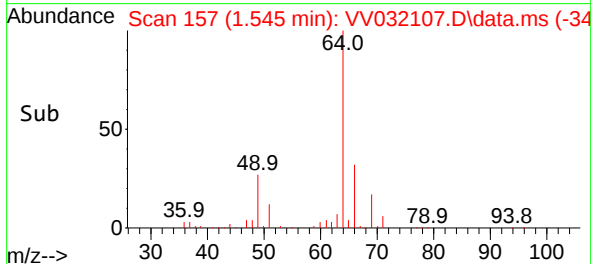
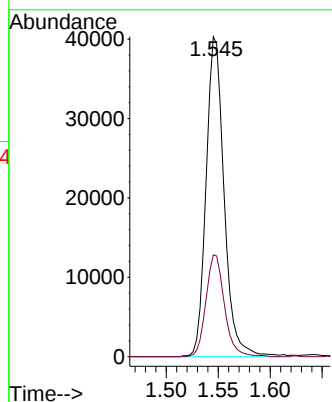
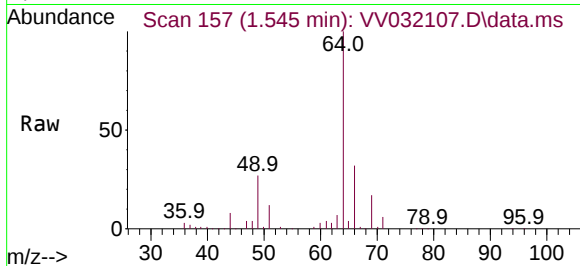




#8
Chloroethane
Concen: 47.925 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

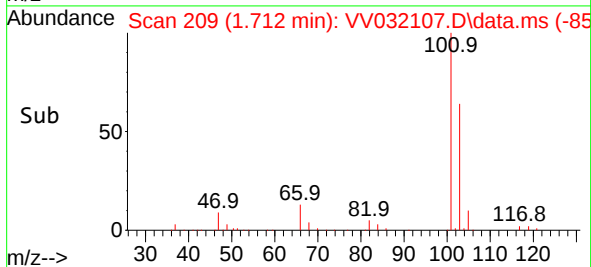
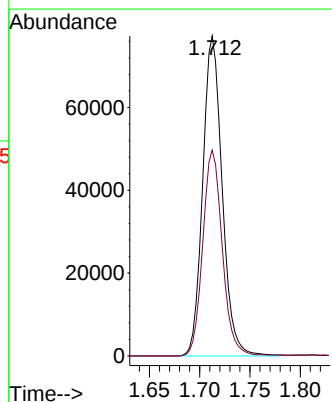
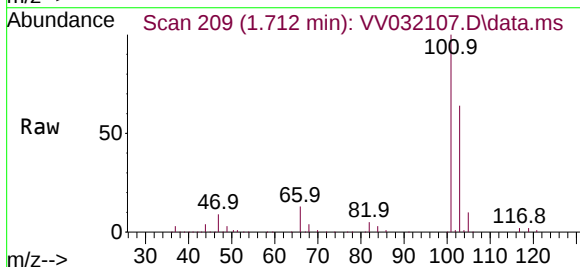
Instrument :
MSVOA_V
ClientSampleId :

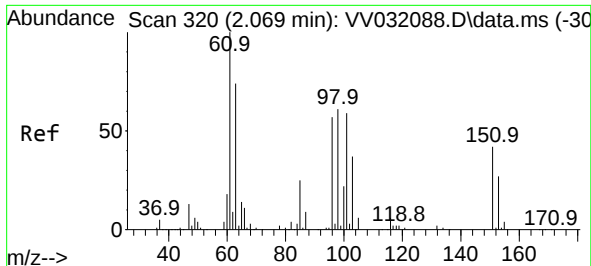
Tgt Ion: 64 Resp: 48567
Ion Ratio Lower Upper
64 100
66 31.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 46.832 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion:101 Resp: 104098
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9





#10

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

Concen: 48.917 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

ClientSampleId :

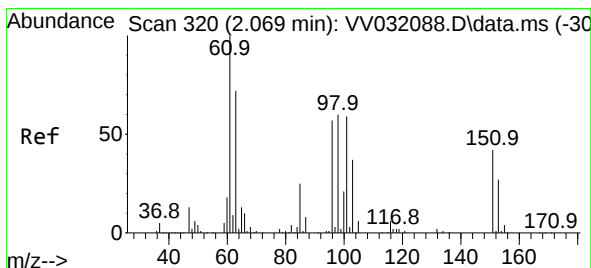
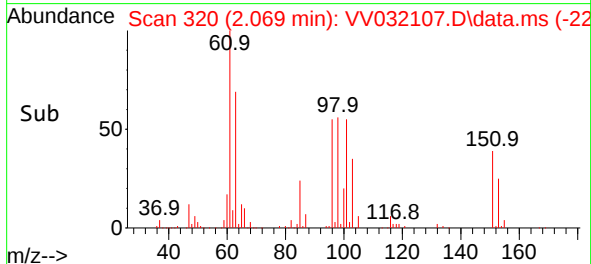
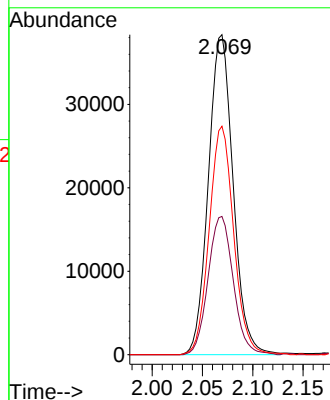
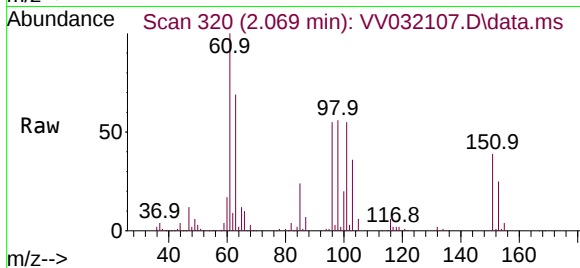
Tgt Ion:101 Resp: 65651

Ion Ratio Lower Upper

101 100

85 43.9 35.8 53.8

151 70.9 56.5 84.7



#12

1,1-Dichloroethene

Concen: 47.195 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

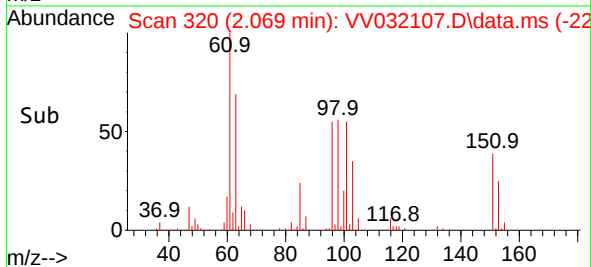
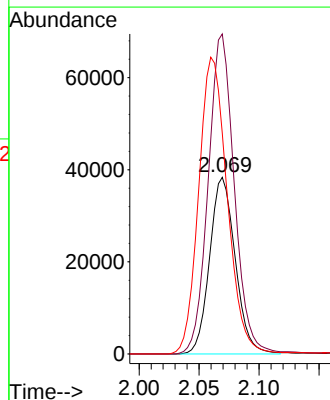
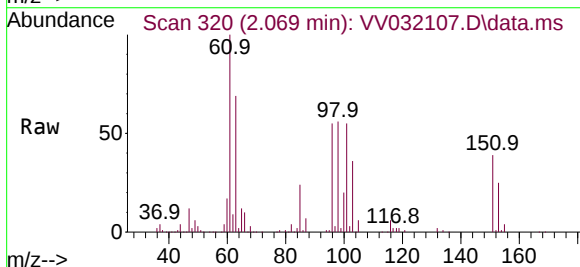
Tgt Ion: 96 Resp: 56892

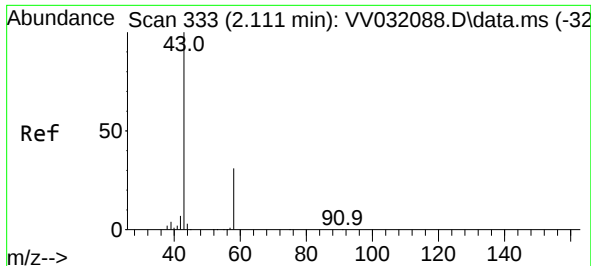
Ion Ratio Lower Upper

96 100

61 181.1 133.8 248.6

63 125.0 115.2 214.0





#13

Acetone

Concen: 83.002 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

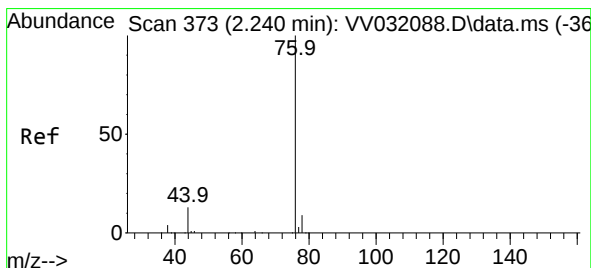
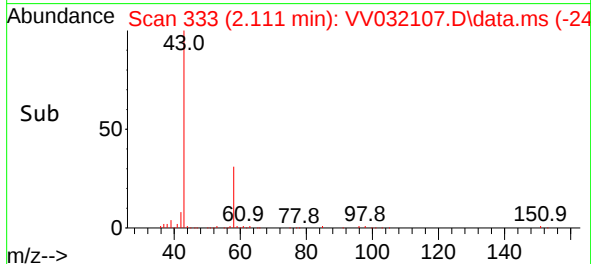
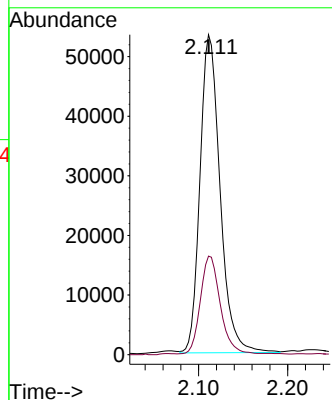
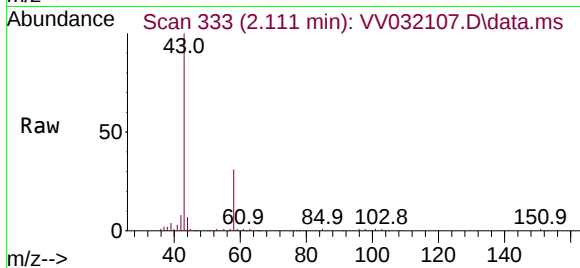
ClientSampleId :

Tgt Ion: 43 Resp: 83639

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.0



#14

Carbon disulfide

Concen: 44.904 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032107.D

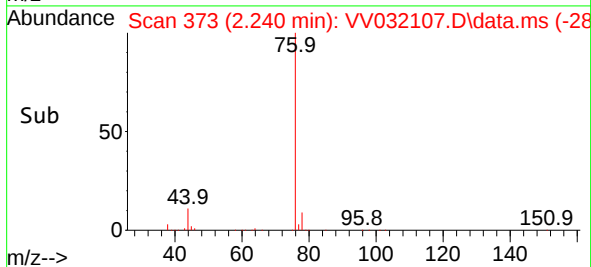
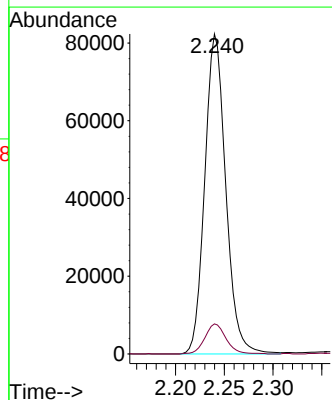
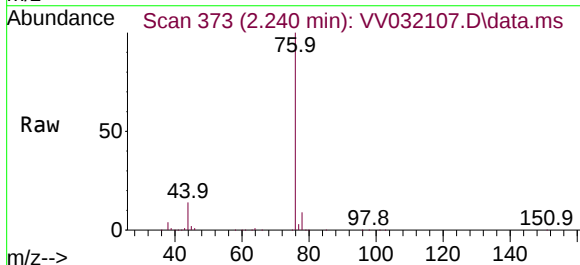
Acq: 14 Sep 2023 22:57

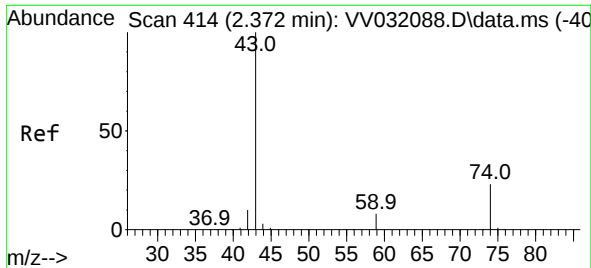
Tgt Ion: 76 Resp: 123343

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

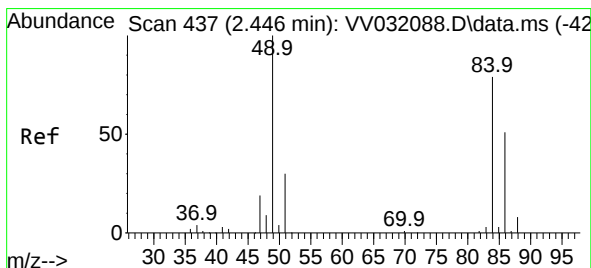
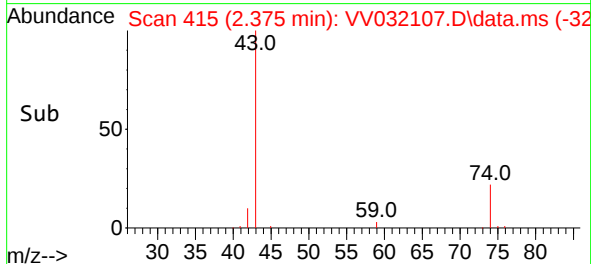
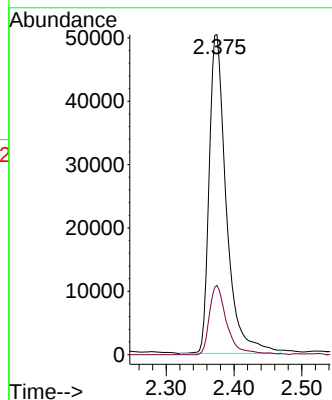
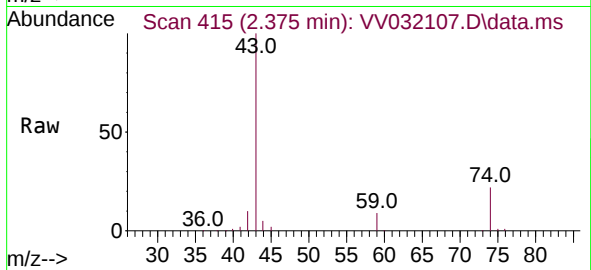




#15
Methyl Acetate
Concen: 49.131 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

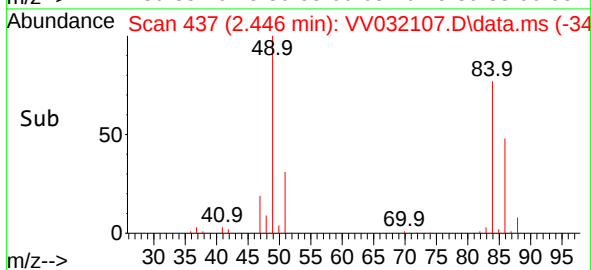
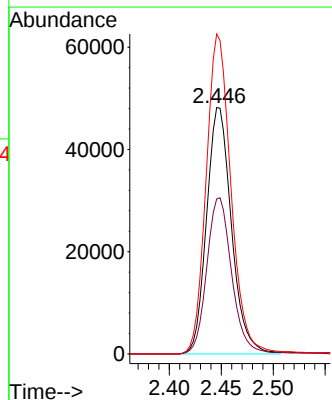
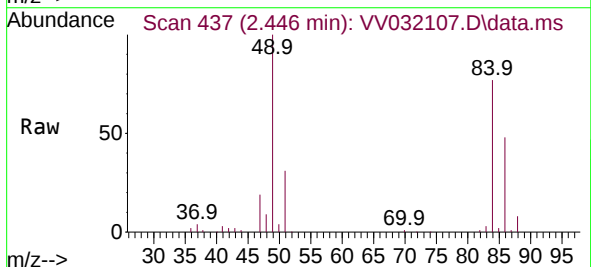
Instrument :
MSVOA_V
ClientSampleId :

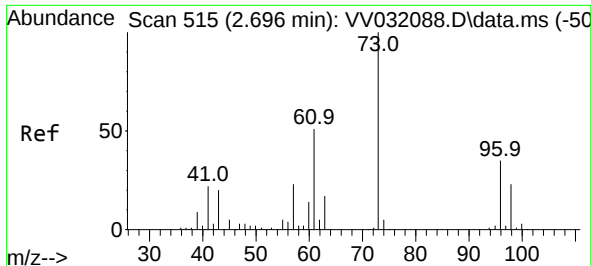
Tgt Ion: 43 Resp: 88296
Ion Ratio Lower Upper
43 100
74 22.0 17.9 26.9



#16
Methylene chloride
Concen: 51.793 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

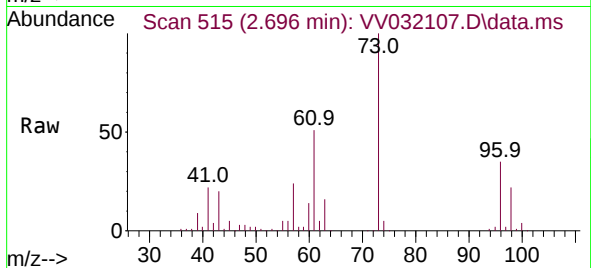
Tgt Ion: 84 Resp: 80232
Ion Ratio Lower Upper
84 100
86 62.9 44.6 82.8
49 129.9 91.6 170.2



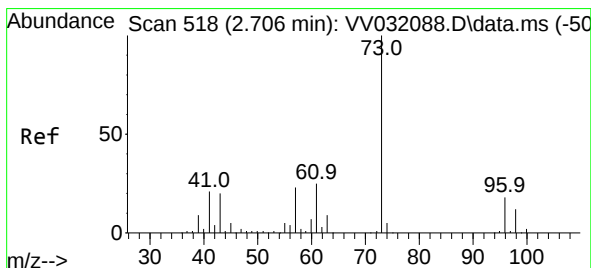
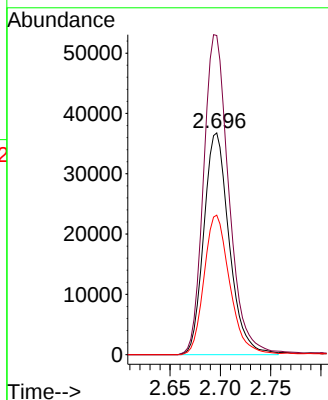
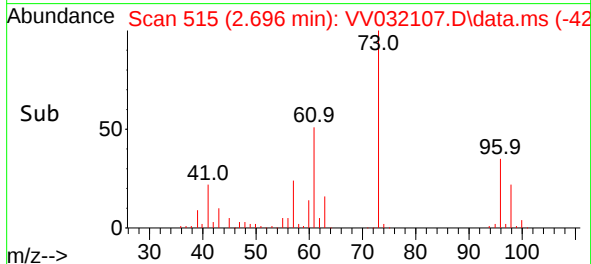


#17
trans-1,2-Dichloroethene
Concen: 48.914 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

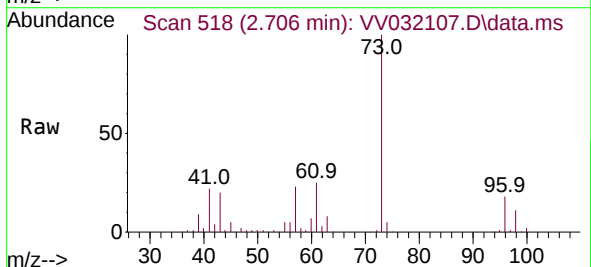
Instrument :
MSVOA_V
ClientSampleId :



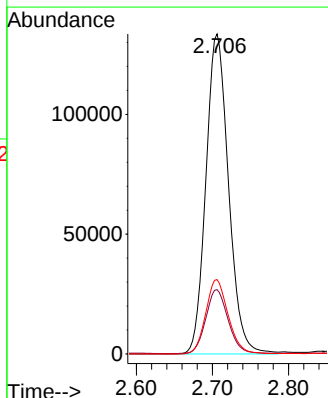
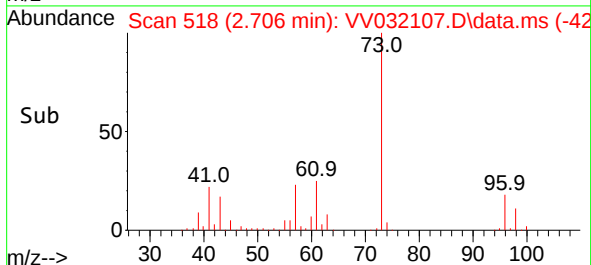
Tgt Ion: 96 Resp: 64645
Ion Ratio Lower Upper
96 100
61 144.0 107.3 199.3
98 62.9 46.3 85.9

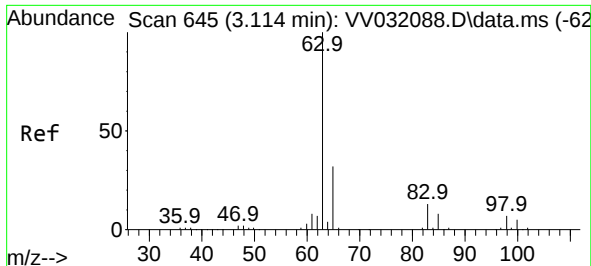


#18
Methyl tert-butyl Ether
Concen: 49.454 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57



Tgt Ion: 73 Resp: 276226
Ion Ratio Lower Upper
73 100
43 19.8 16.6 25.0
57 23.1 17.6 26.4





#19

1,1-Dichloroethane

Concen: 51.408 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

ClientSampleId :

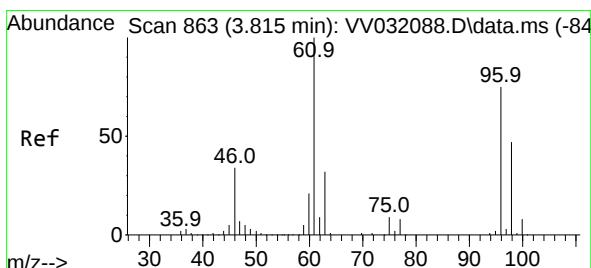
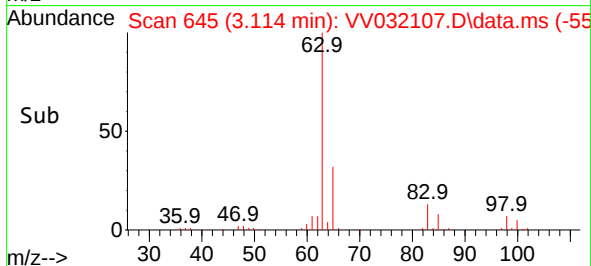
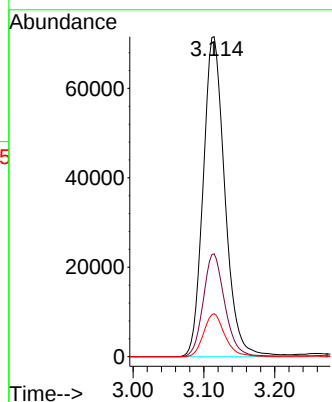
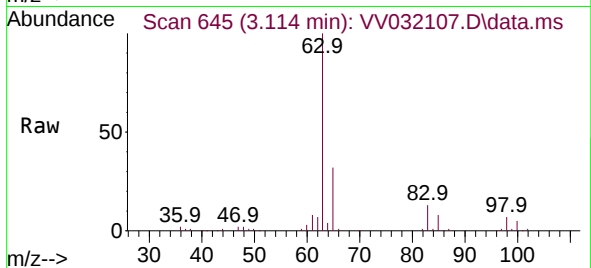
Tgt Ion: 63 Resp: 152260

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

83 13.5 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 52.163 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

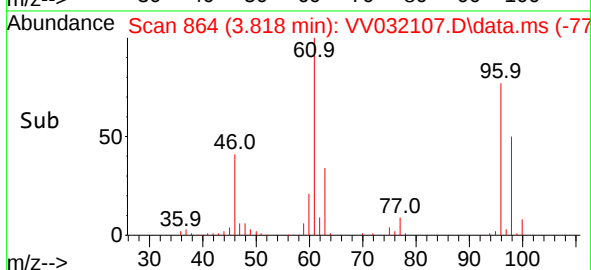
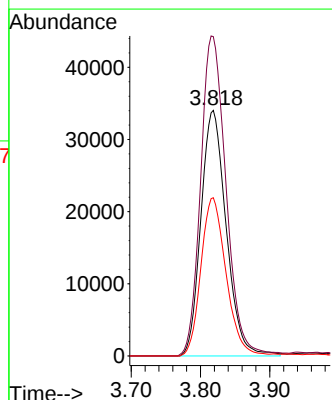
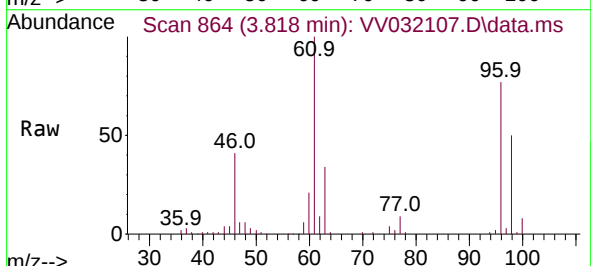
Tgt Ion: 96 Resp: 86491

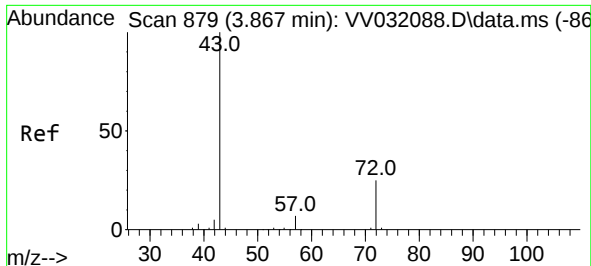
Ion Ratio Lower Upper

96 100

61 130.0 97.3 180.7

98 64.4 45.3 84.1

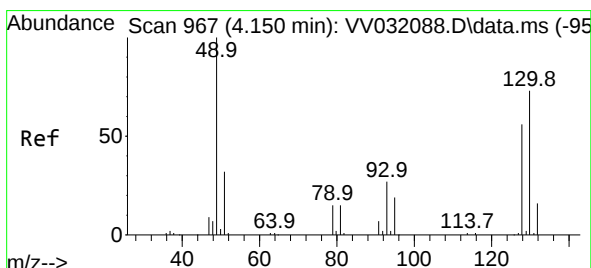
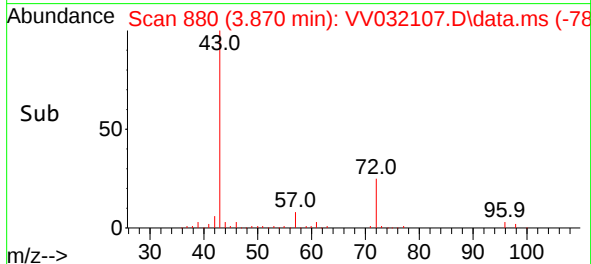
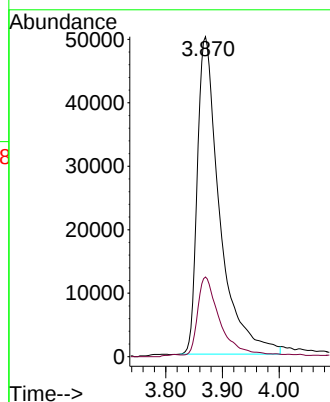
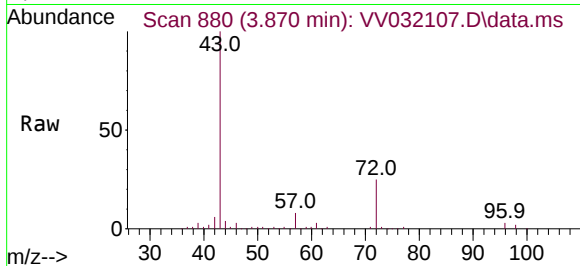




#22
2-Butanone
Concen: 103.195 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

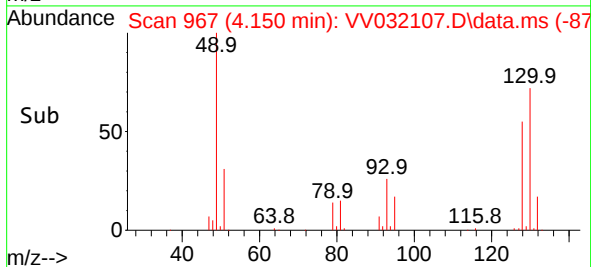
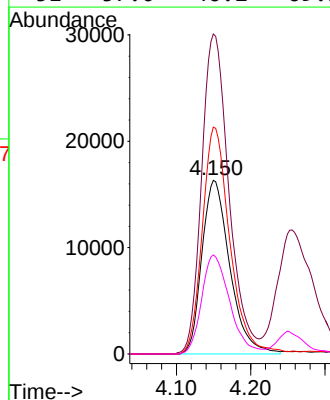
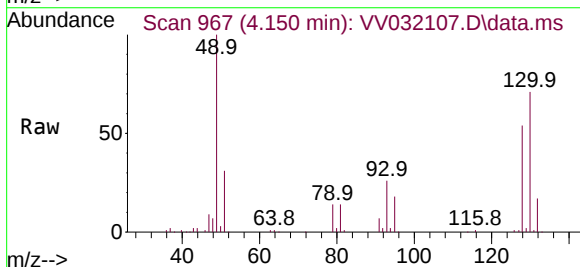
Instrument :
MSVOA_V
ClientSampleId :

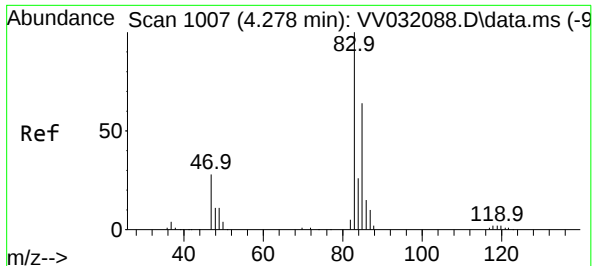
Tgt Ion: 43 Resp: 137598
Ion Ratio Lower Upper
43 100
72 23.4 12.6 37.8



#23
Bromochloromethane
Concen: 52.934 ug/L
RT: 4.150 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion:128 Resp: 42582
Ion Ratio Lower Upper
128 100
49 184.3 127.8 237.4
130 130.6 90.1 167.3
51 57.0 46.2 69.2





#25

Chloroform

Concen: 50.510 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

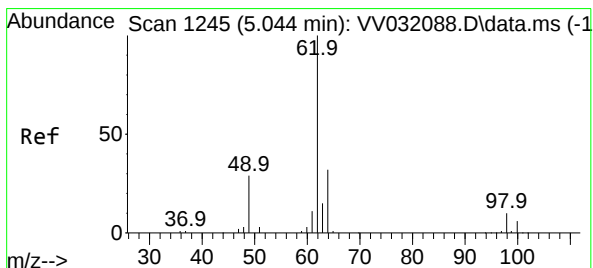
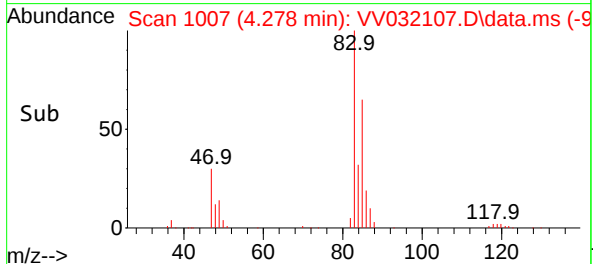
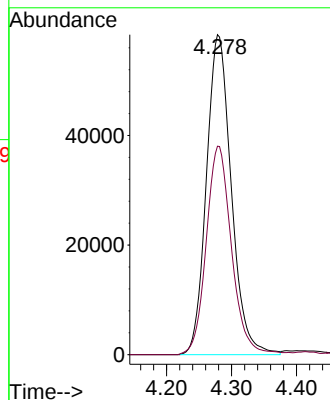
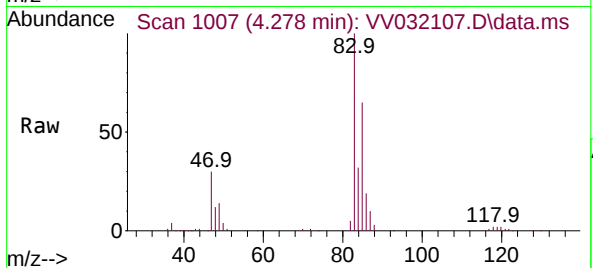
ClientSampleId :

Tgt Ion: 83 Resp: 155542

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 48.176 ug/L

RT: 5.044 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VV032107.D

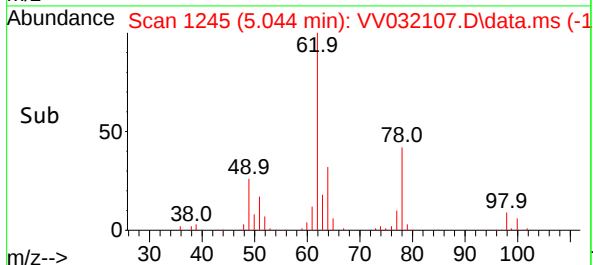
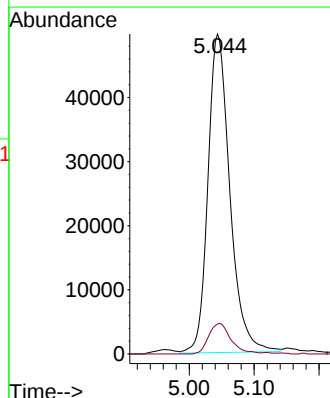
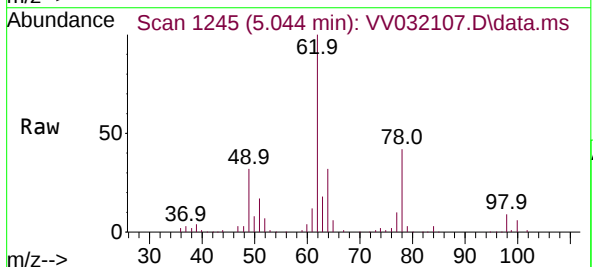
Acq: 14 Sep 2023 22:57

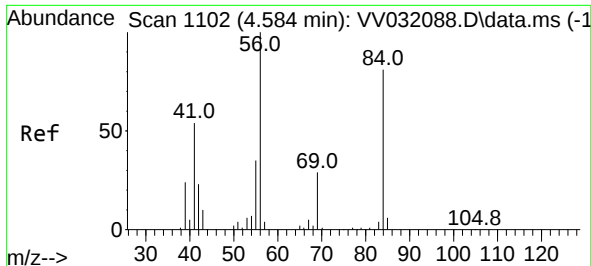
Tgt Ion: 62 Resp: 116878

Ion Ratio Lower Upper

62 100

98 9.4 7.0 10.4





#29

Cyclohexane

Concen: 45.868 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

ClientSampleId :

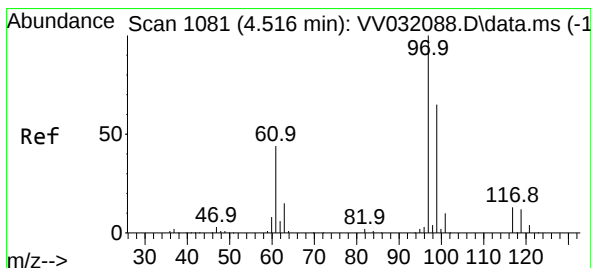
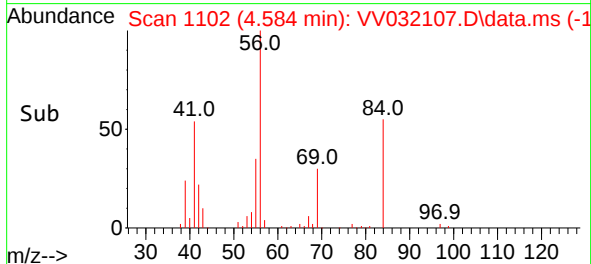
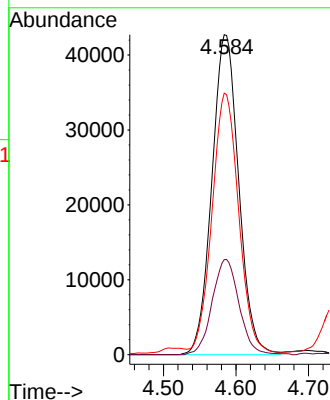
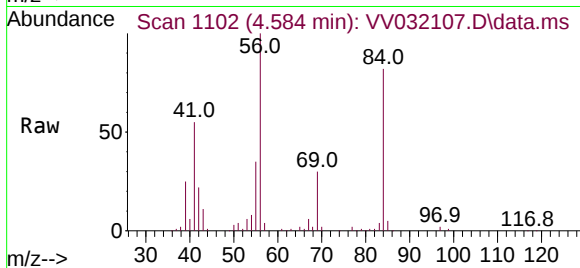
Tgt Ion: 56 Resp: 109682

Ion Ratio Lower Upper

56 100

69 29.8 24.2 36.4

84 80.2 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 47.296 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

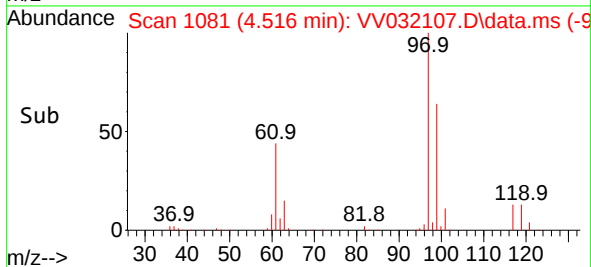
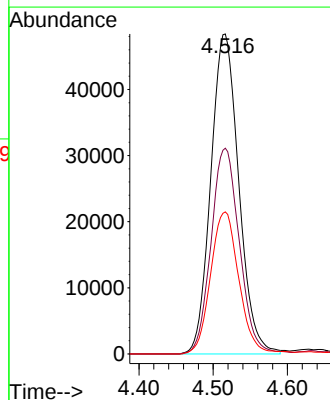
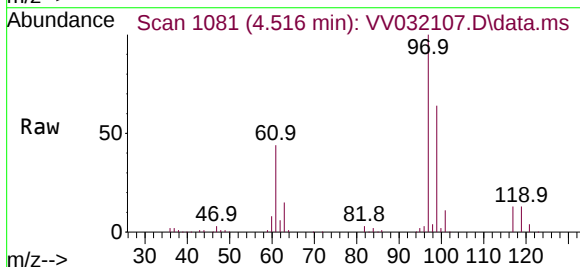
Tgt Ion: 97 Resp: 126700

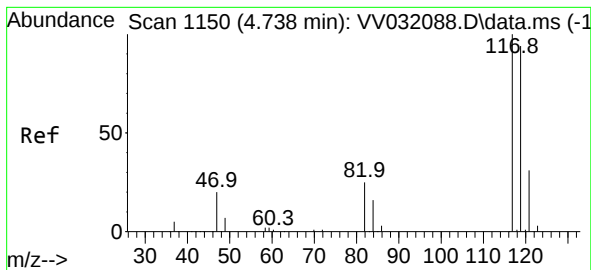
Ion Ratio Lower Upper

97 100

99 65.2 51.0 76.4

61 44.7 36.5 54.7





#31

Carbon tetrachloride

Concen: 45.392 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

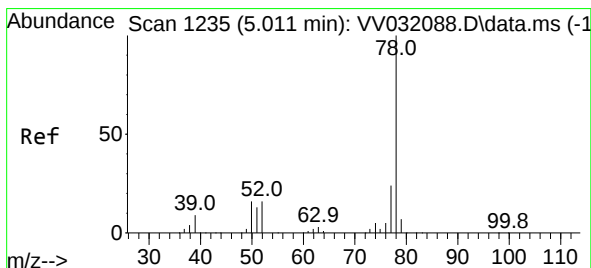
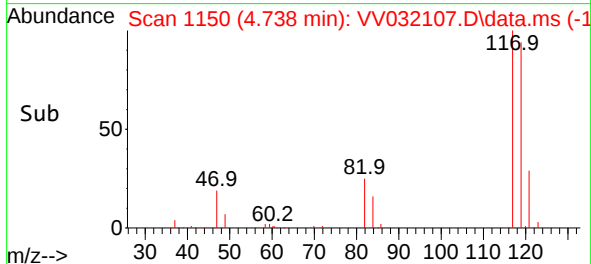
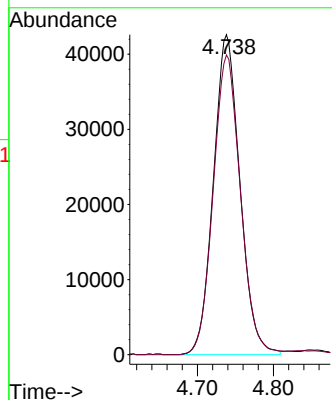
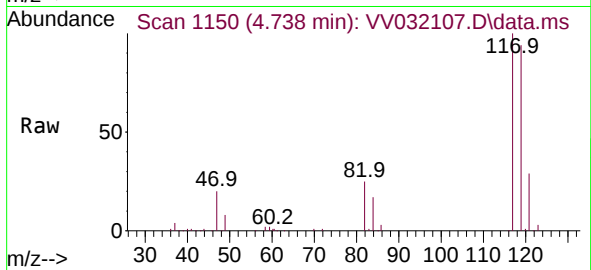
ClientSampleId :

Tgt Ion:117 Resp: 103254

Ion Ratio Lower Upper

117 100

119 96.3 75.4 113.2



#33

Benzene

Concen: 50.228 ug/L

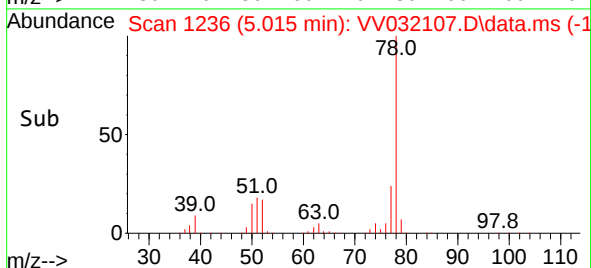
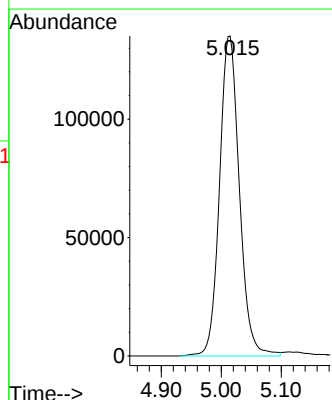
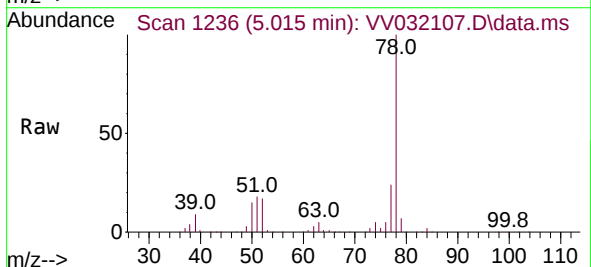
RT: 5.015 min Scan# 1236

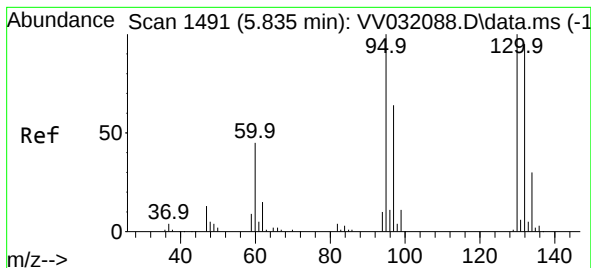
Delta R.T. 0.003 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Tgt Ion: 78 Resp: 309949





#34

Trichloroethene

Concen: 42.841 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

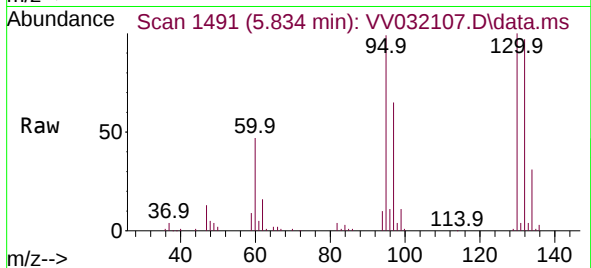
Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 80851

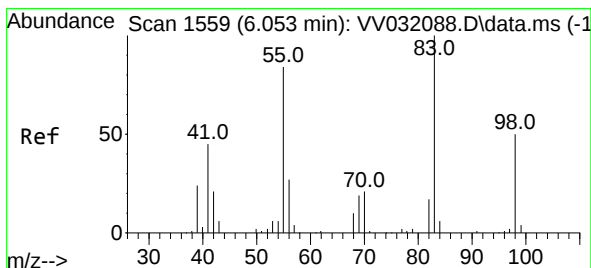
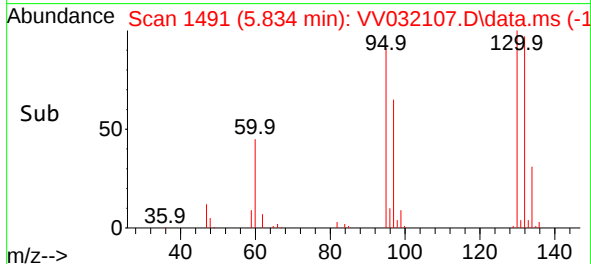
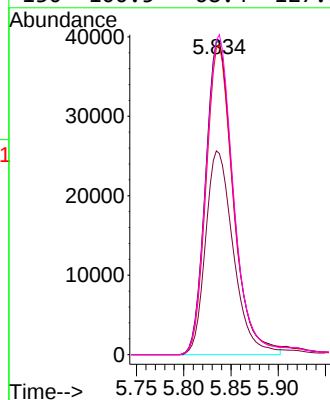
Ion Ratio Lower Upper

95 100

97 65.1 45.4 84.2

132 98.0 65.4 121.4

130 100.5 68.4 127.0



#35

Methylcyclohexane

Concen: 41.003 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

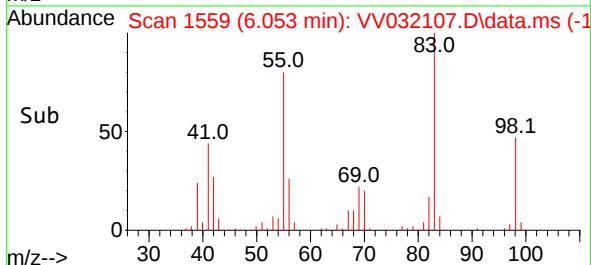
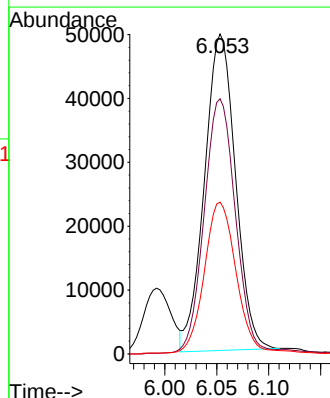
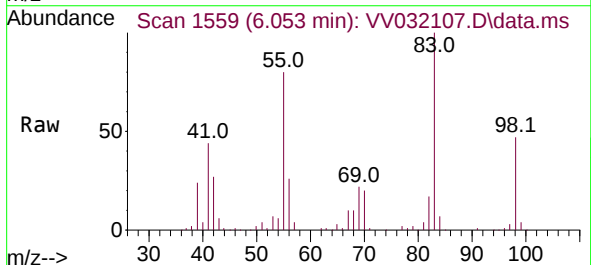
Tgt Ion: 83 Resp: 102928

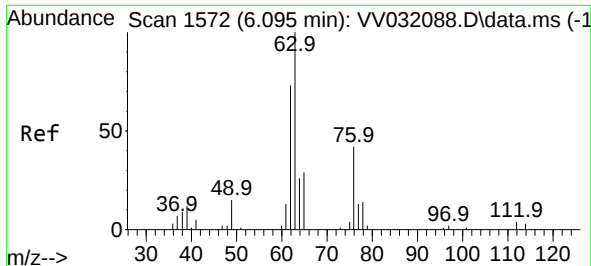
Ion Ratio Lower Upper

83 100

55 81.1 62.2 93.2

98 50.1 36.7 55.1

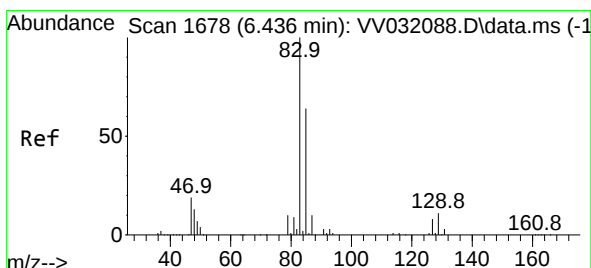
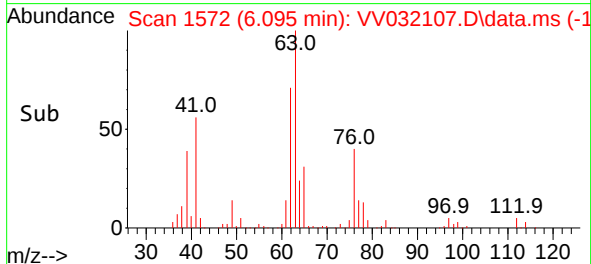
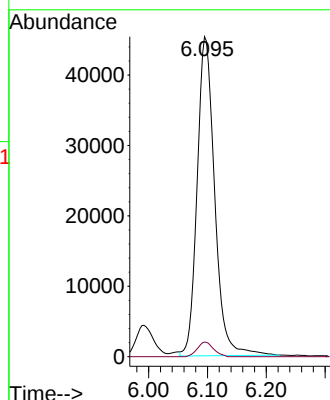
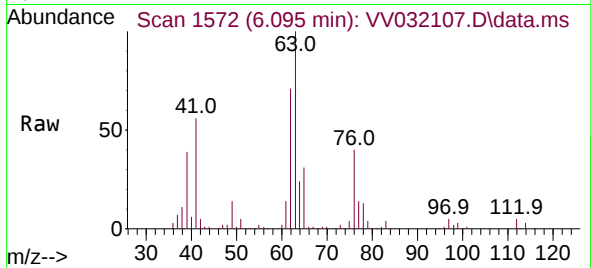




#37
1,2-Dichloropropane
Concen: 53.675 ug/L
RT: 6.095 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

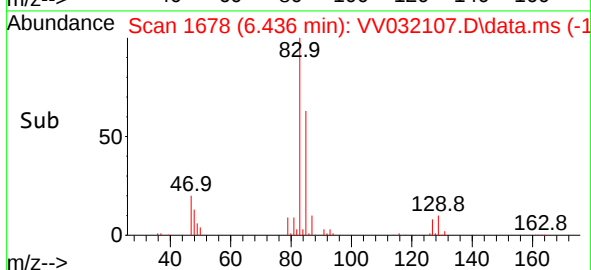
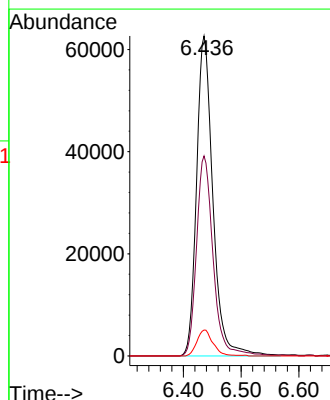
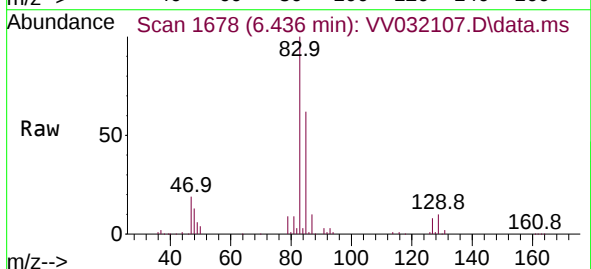
Instrument :
MSVOA_V
ClientSampleId :

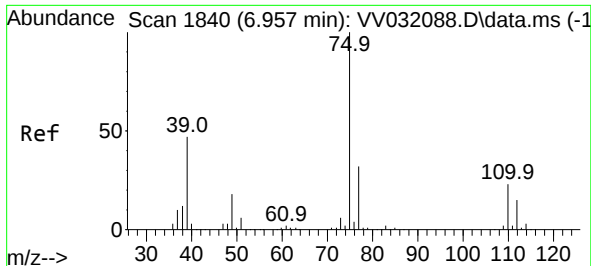
Tgt Ion: 63 Resp: 93883
Ion Ratio Lower Upper
63 100
112 4.2 3.5 5.3



#38
Bromodichloromethane
Concen: 49.675 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 83 Resp: 123328
Ion Ratio Lower Upper
83 100
85 62.5 45.2 84.0
127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 46.939 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

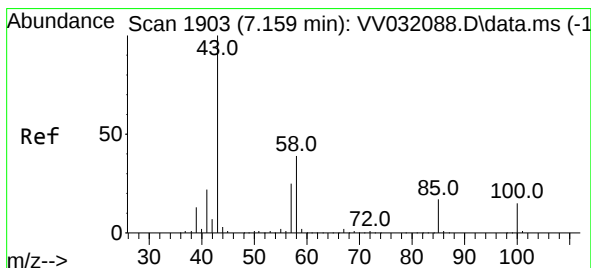
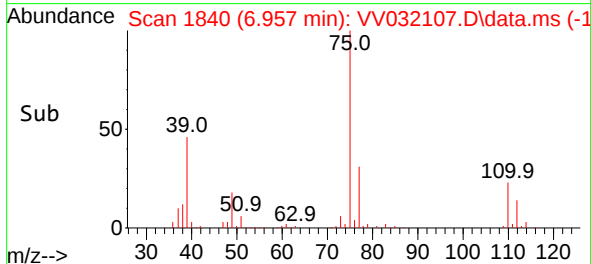
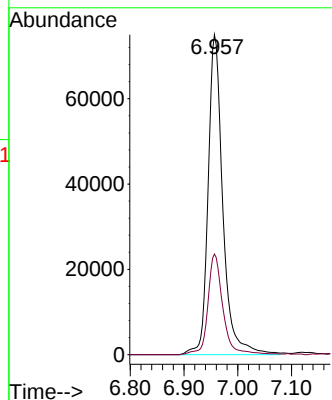
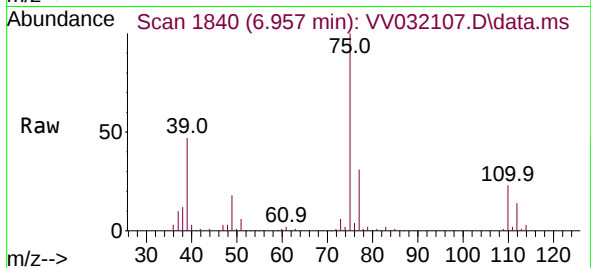
ClientSampleId :

Tgt Ion: 75 Resp: 142741

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 109.045 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

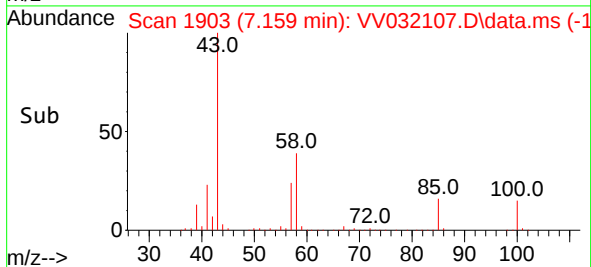
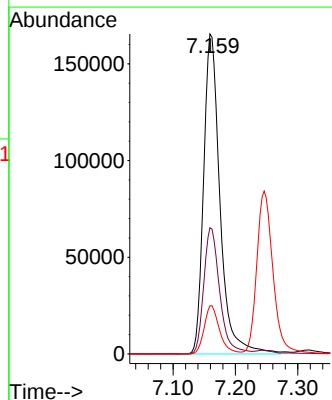
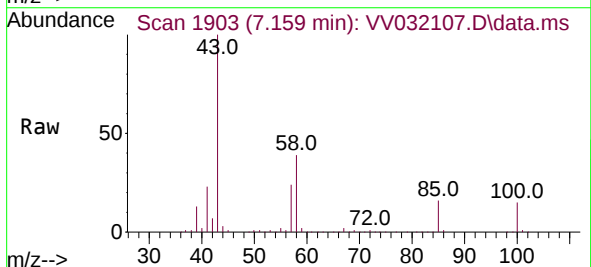
Tgt Ion: 43 Resp: 302729

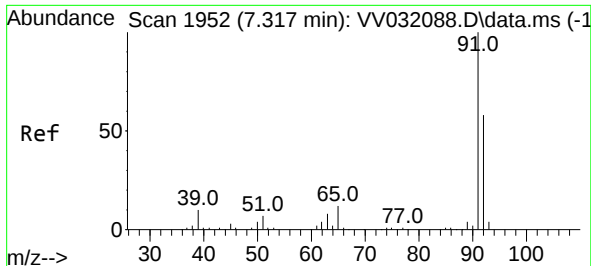
Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7

100 14.1 11.9 17.9





#42

Toluene

Concen: 49.495 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

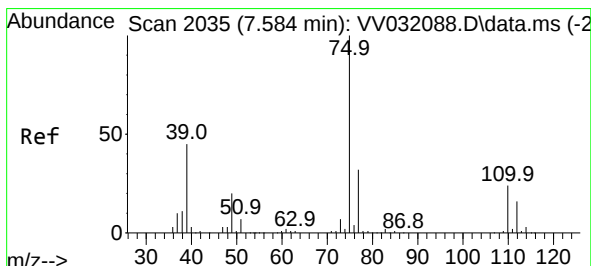
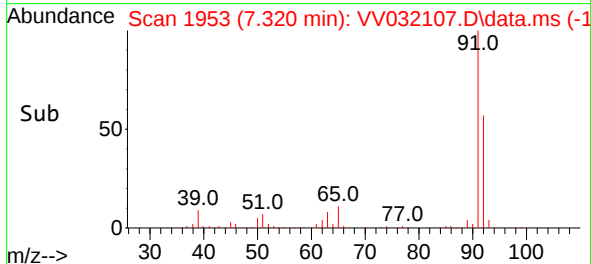
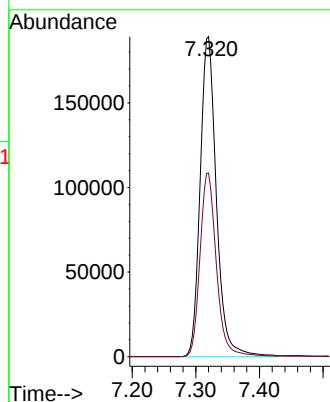
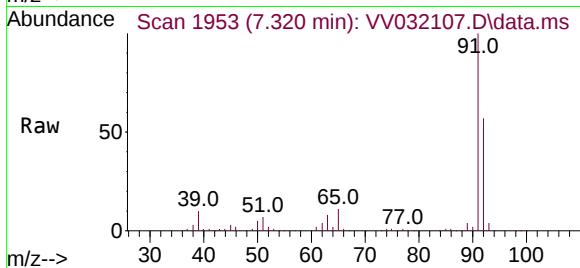
ClientSampleId :

Tgt Ion: 91 Resp: 335973

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 44.254 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032107.D

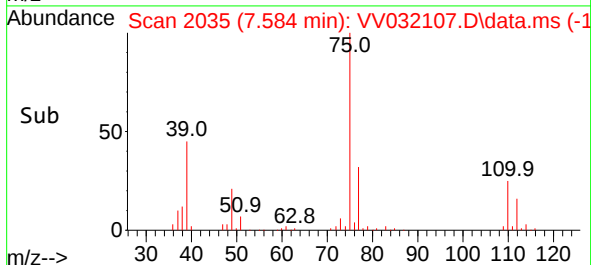
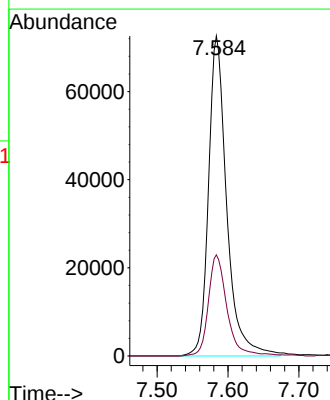
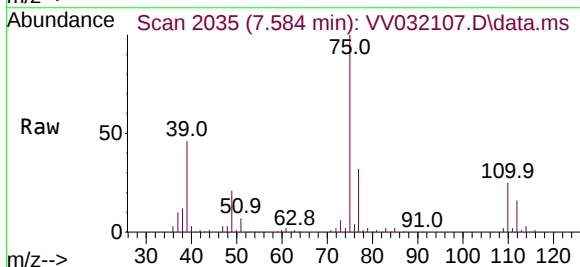
Acq: 14 Sep 2023 22:57

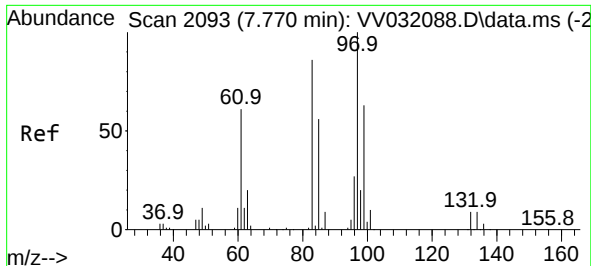
Tgt Ion: 75 Resp: 129302

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 52.906 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 93490

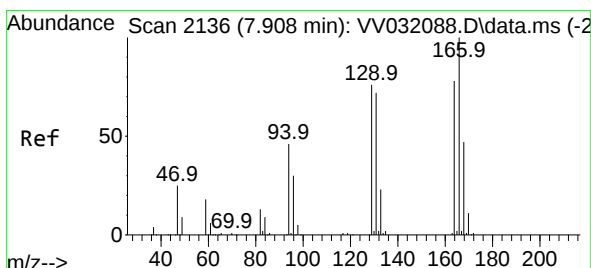
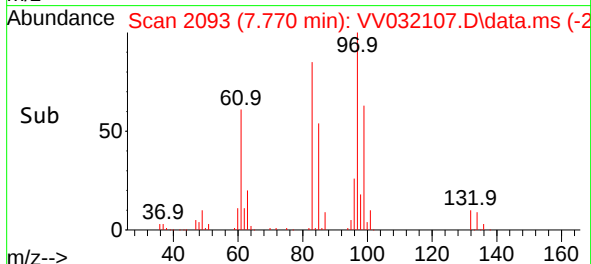
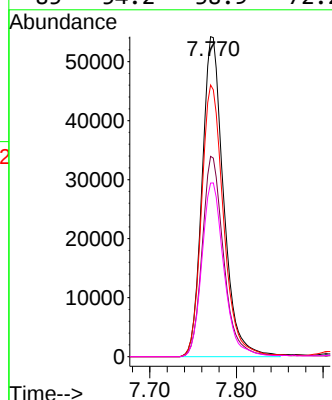
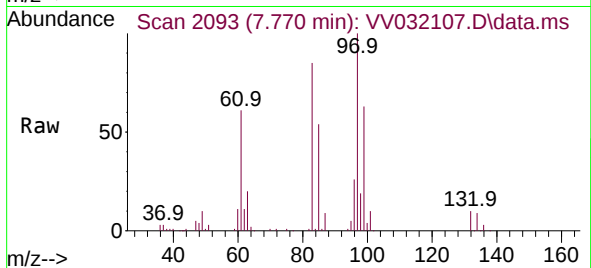
Ion Ratio Lower Upper

97 100

99 62.6 43.0 79.8

83 84.9 61.2 113.6

85 54.2 38.9 72.2



#46

Tetrachloroethene

Concen: 47.868 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Tgt Ion:164 Resp: 56724

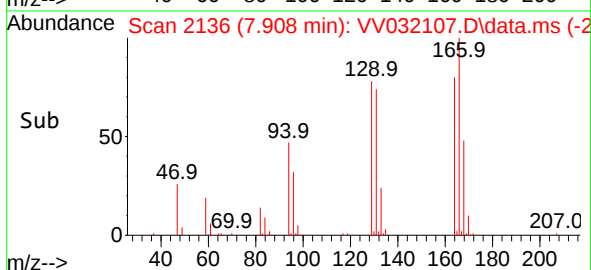
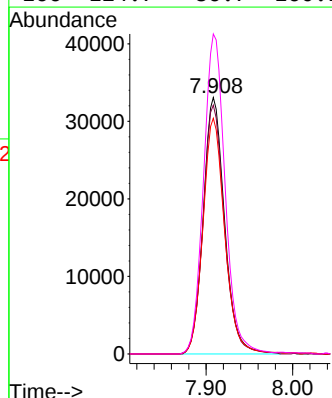
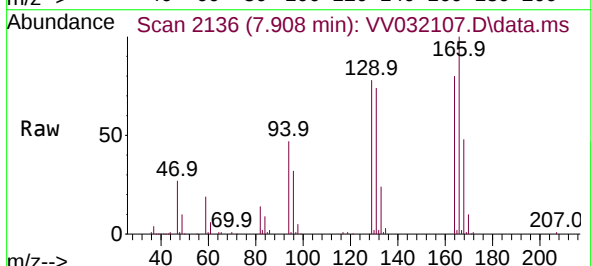
Ion Ratio Lower Upper

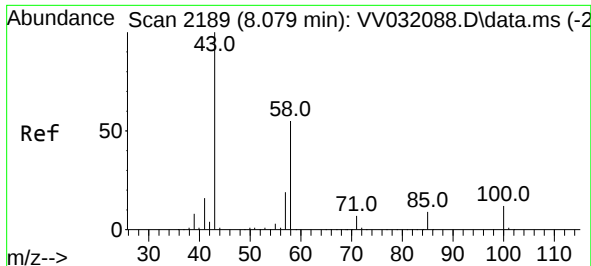
164 100

129 97.0 68.3 126.9

131 91.9 64.9 120.5

166 124.7 86.7 160.9



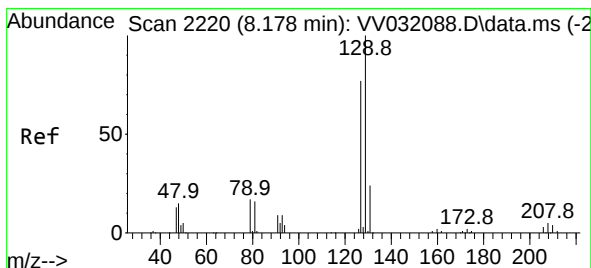
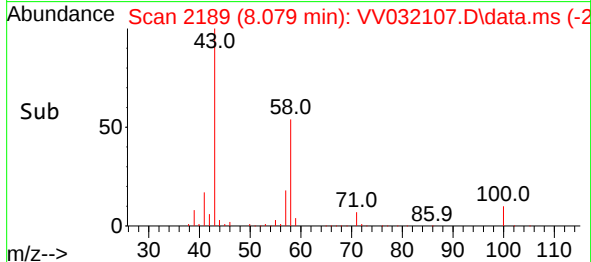
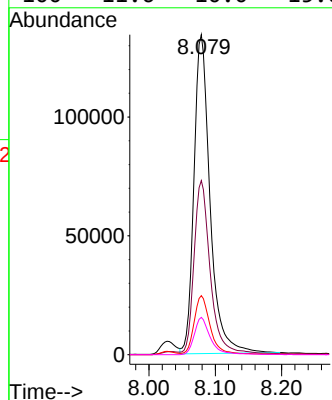
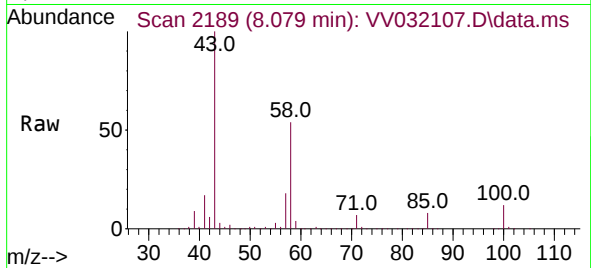


#48
2-Hexanone
Concen: 107.140 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 227146

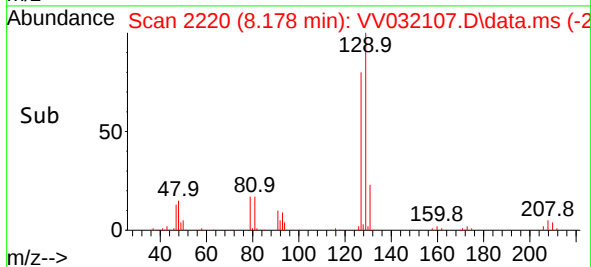
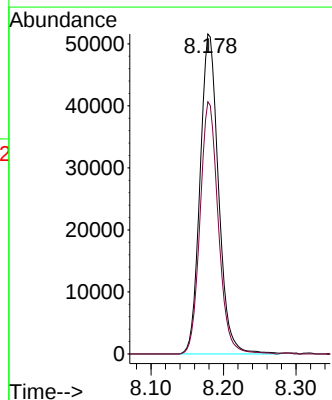
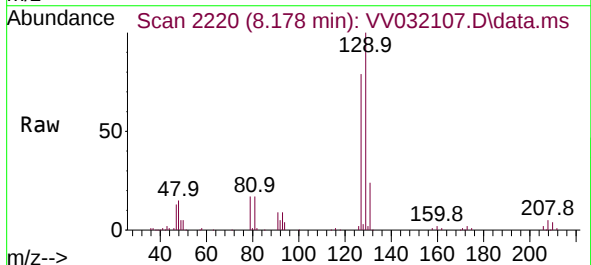
Ion	Ratio	Lower	Upper
43	100		
58	54.7	44.0	66.0
57	18.1	15.9	23.9
100	11.6	10.0	15.0

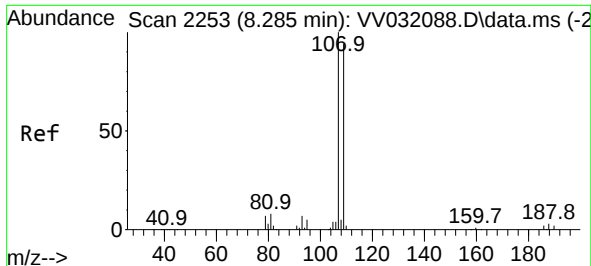


#49
Dibromochloromethane
Concen: 50.220 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 129 Resp: 91193

Ion	Ratio	Lower	Upper
129	100		
127	78.8	54.7	101.7





#50

1,2-Dibromoethane

Concen: 51.213 ug/L

RT: 8.285 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032107.D

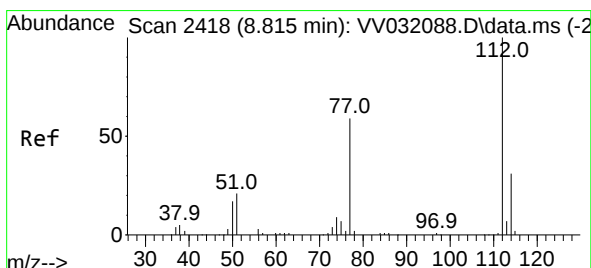
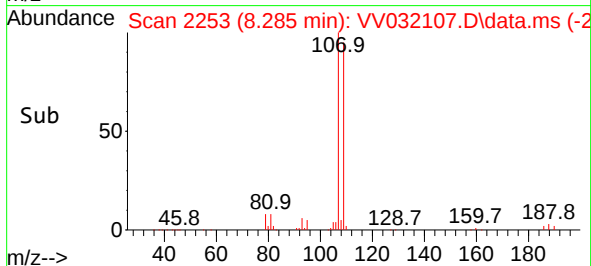
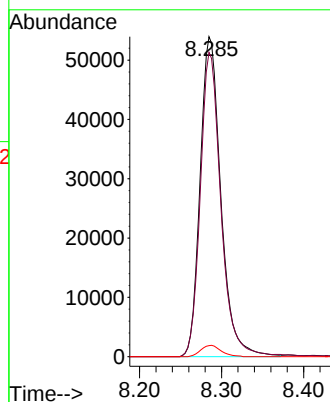
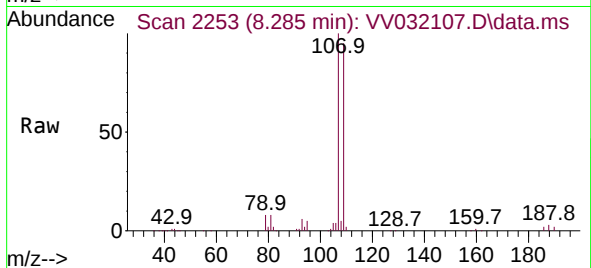
Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	94788
Ion	Ratio	Lower	Upper
107	100		
109	95.1	65.4	121.4
188	3.5	2.8	4.2



#51

Chlorobenzene

Concen: 49.929 ug/L

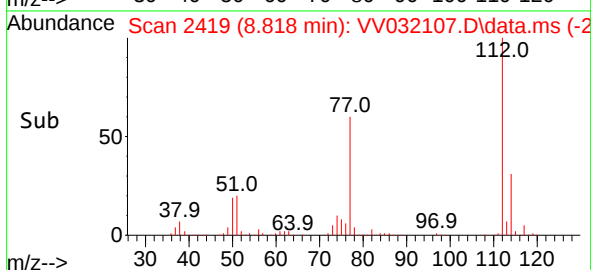
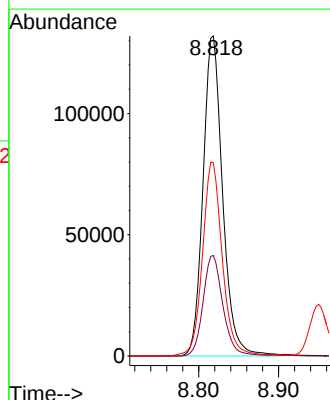
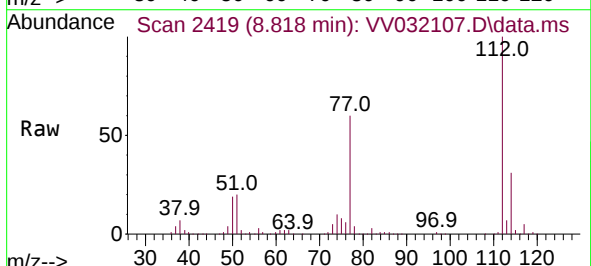
RT: 8.818 min Scan# 2419

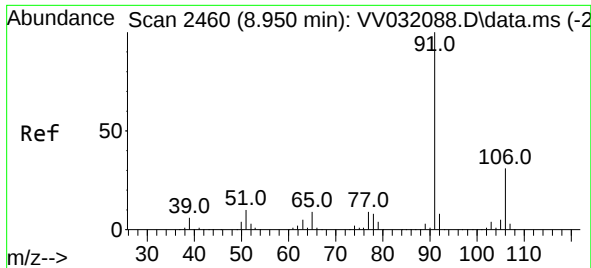
Delta R.T. 0.003 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Tgt Ion:	112	Resp:	225207
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.0	40.8
77	60.4	49.4	74.0

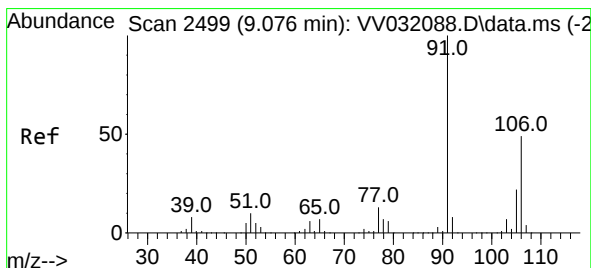
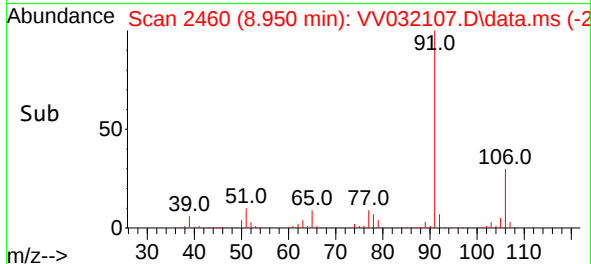
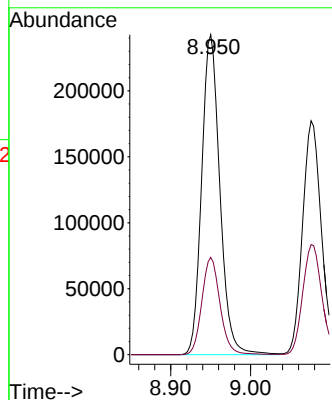
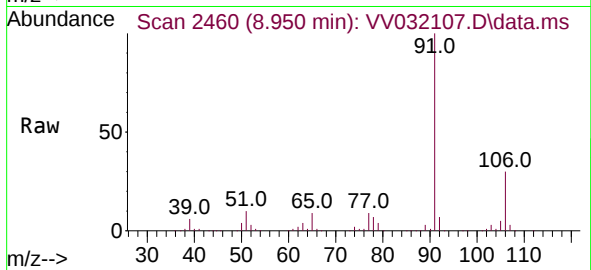




#52
Ethylbenzene
Concen: 47.895 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

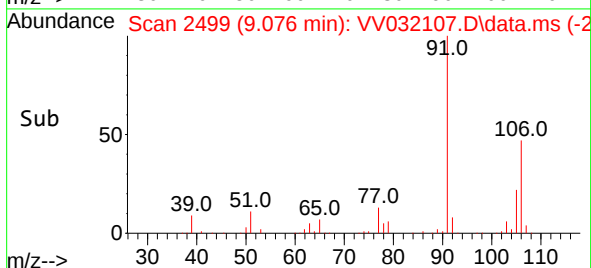
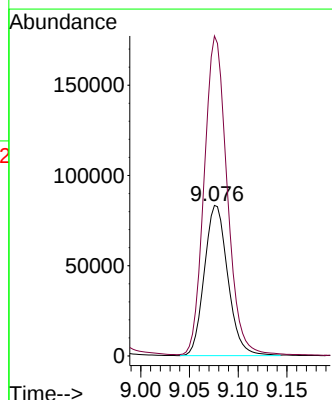
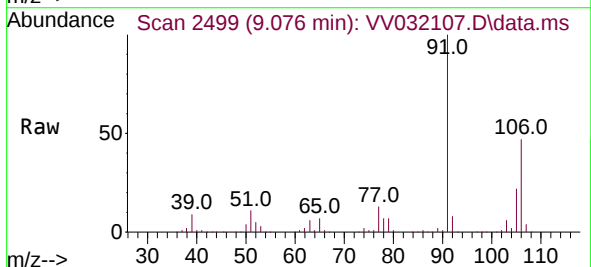
Instrument :
MSVOA_V
ClientSampleId :

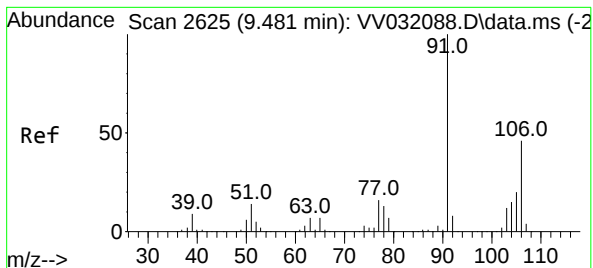
Tgt Ion: 91 Resp: 385112
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#53
m,p-Xylene
Concen: 46.751 ug/L
RT: 9.076 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 106 Resp: 139576
Ion Ratio Lower Upper
106 100
91 212.6 147.0 273.0





#54

o-Xylene

Concen: 47.765 ug/L

RT: 9.481 min Scan# 2625

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

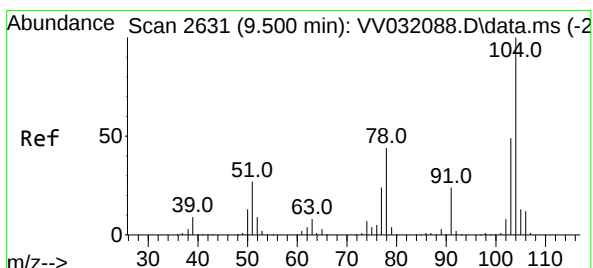
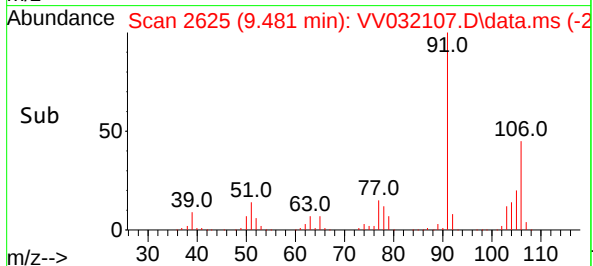
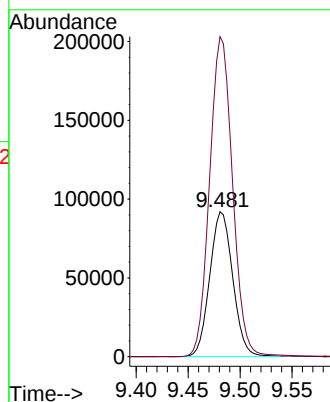
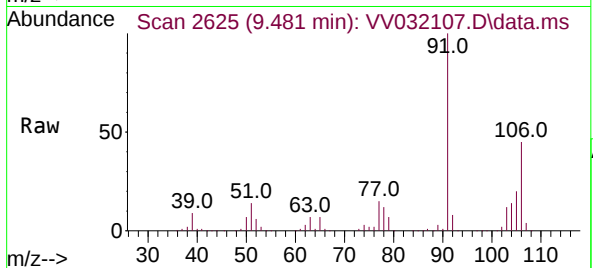
ClientSampleId :

Tgt Ion:106 Resp: 141831

Ion Ratio Lower Upper

106 100

91 220.7 154.3 286.5



#55

Styrene

Concen: 48.575 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. -0.000 min

Lab File: VV032107.D

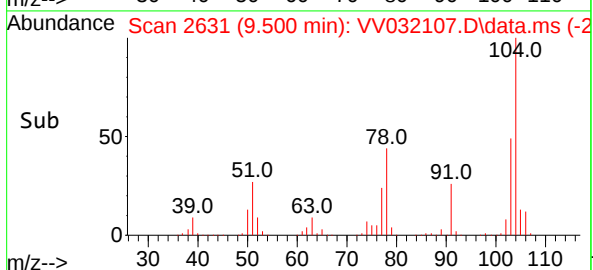
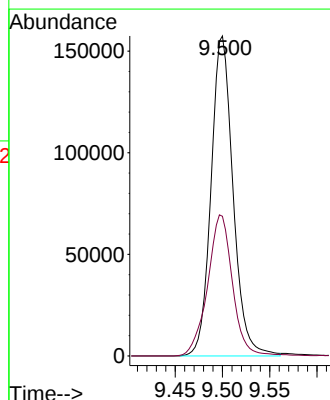
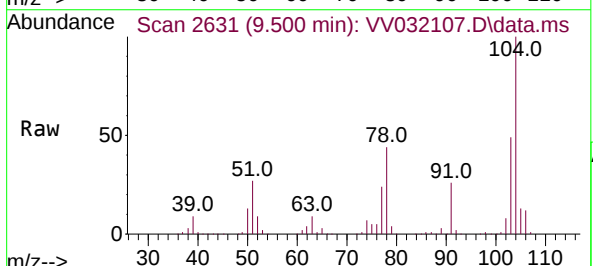
Acq: 14 Sep 2023 22:57

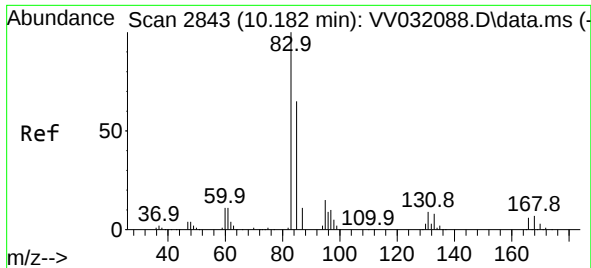
Tgt Ion:104 Resp: 254979

Ion Ratio Lower Upper

104 100

78 43.7 32.3 59.9



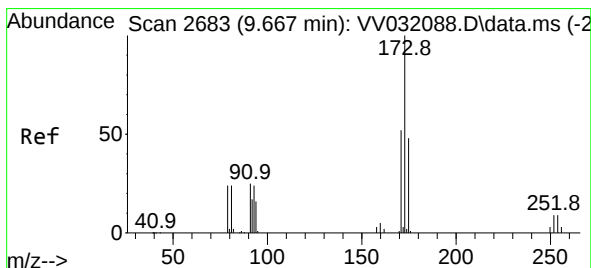
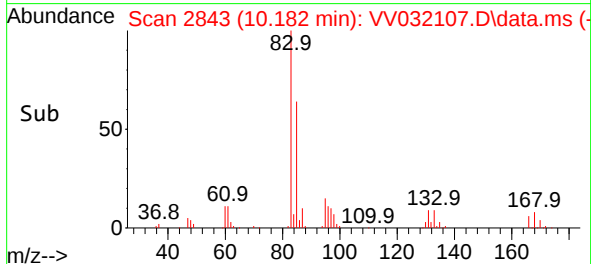
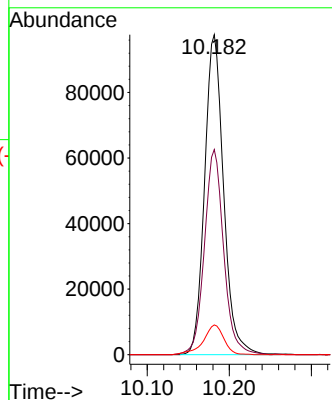
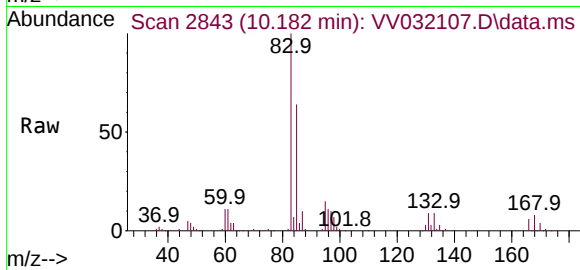


#57
 1,1,2,2-Tetrachloroethane
 Concen: 62.682 ug/L
 RT: 10.182 min Scan# 2843
 Delta R.T. -0.000 min
 Lab File: VV032107.D
 Acq: 14 Sep 2023 22:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 83 Resp: 156801

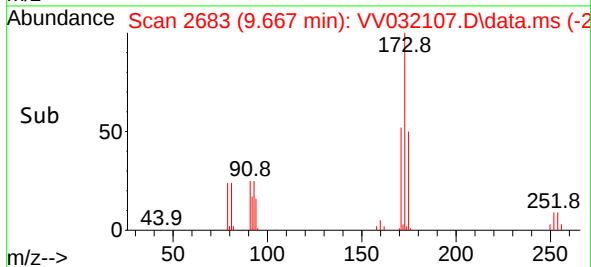
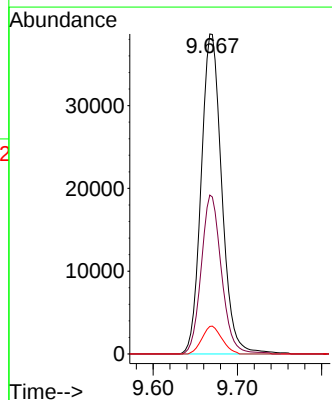
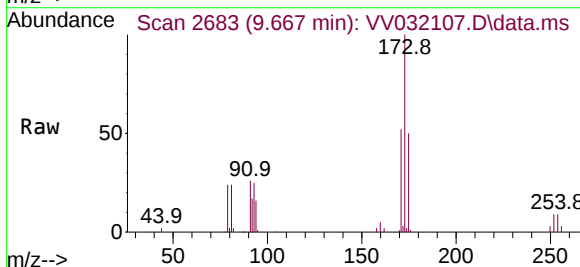
Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.1	83.9
131	9.3	7.4	11.2

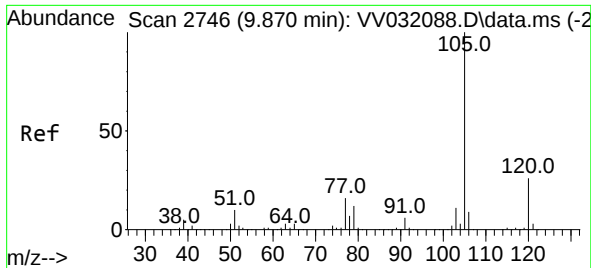


#59
 Bromoform
 Concen: 51.441 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. -0.000 min
 Lab File: VV032107.D
 Acq: 14 Sep 2023 22:57

Tgt Ion: 173 Resp: 65817

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.3	57.5
254	8.4	6.9	10.3

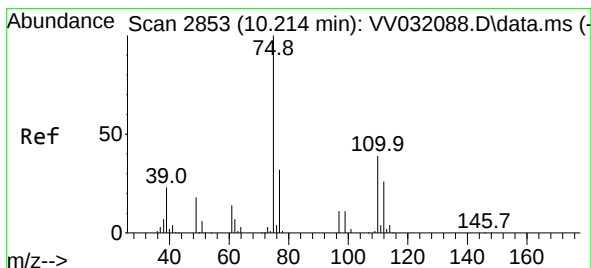
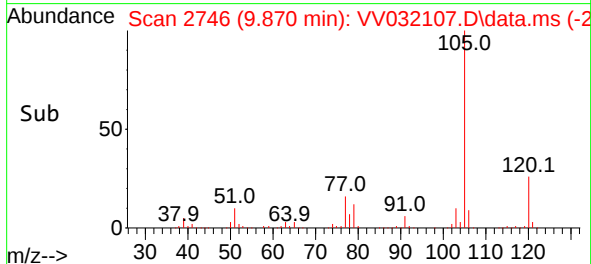
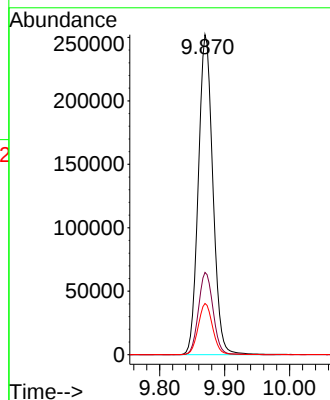
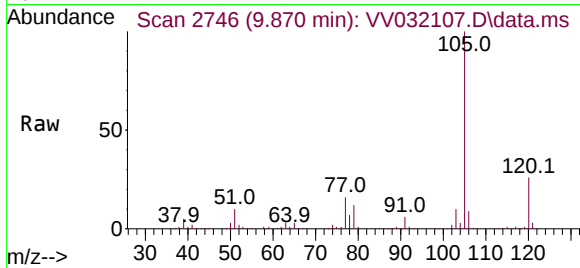




#60
Isopropylbenzene
Concen: 47.471 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

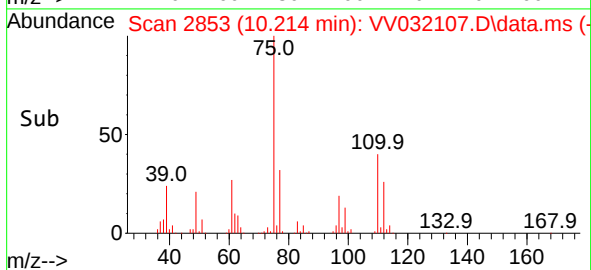
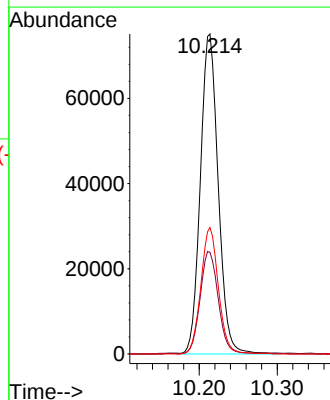
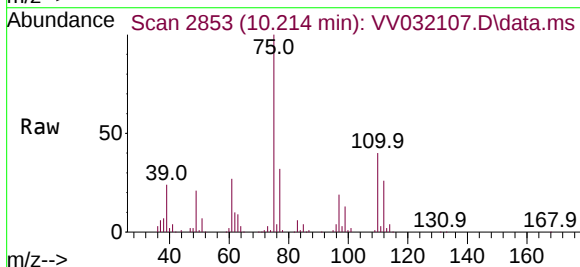
Instrument :
MSVOA_V
ClientSampleId :

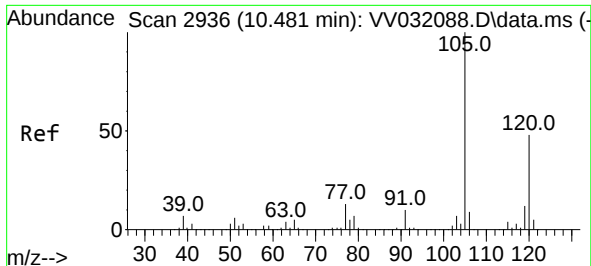
Tgt Ion:105 Resp: 392298
Ion Ratio Lower Upper
105 100
120 25.9 20.6 31.0
77 16.0 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 51.281 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 75 Resp: 119538
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
110 38.8 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.951 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

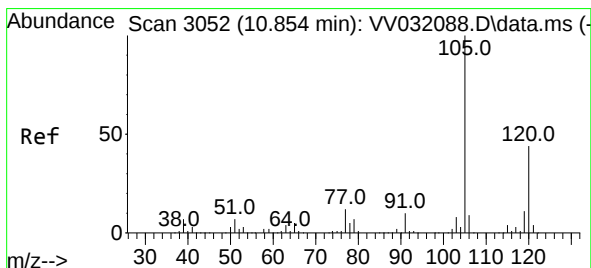
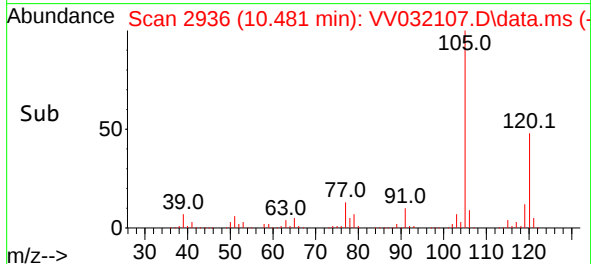
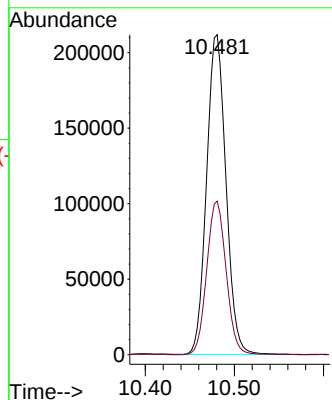
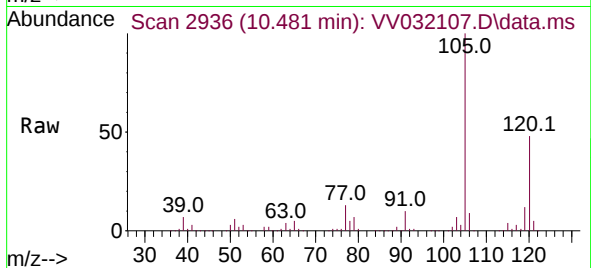
ClientSampleId :

Tgt Ion:105 Resp: 319476

Ion Ratio Lower Upper

105 100

120 48.2 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 45.900 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032107.D

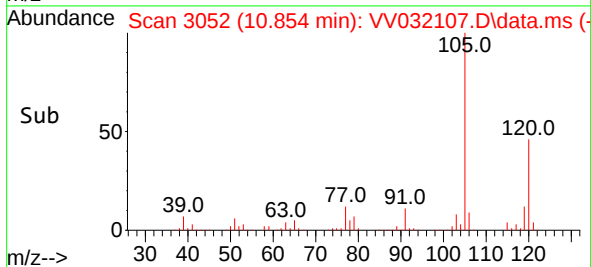
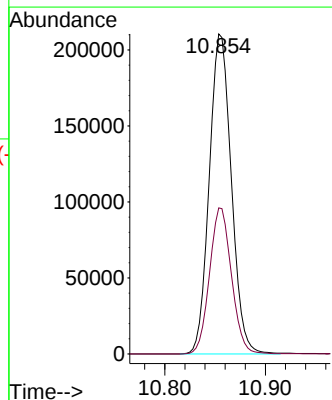
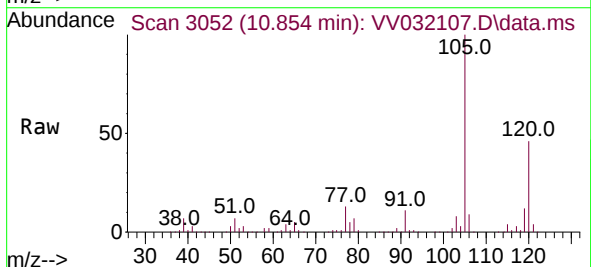
Acq: 14 Sep 2023 22:57

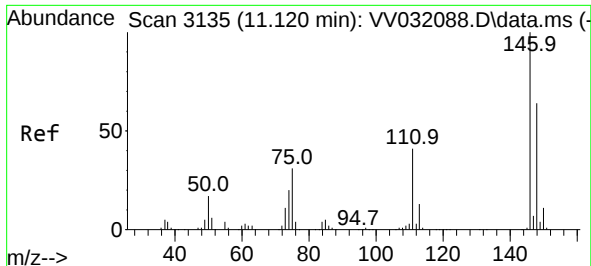
Tgt Ion:105 Resp: 321027

Ion Ratio Lower Upper

105 100

120 45.4 35.9 53.9

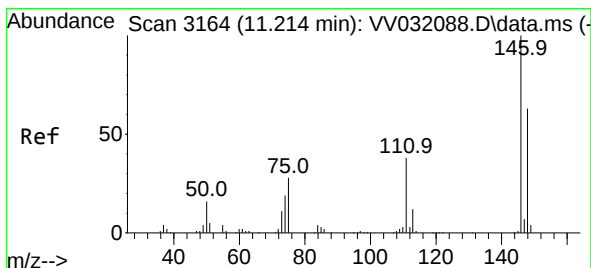
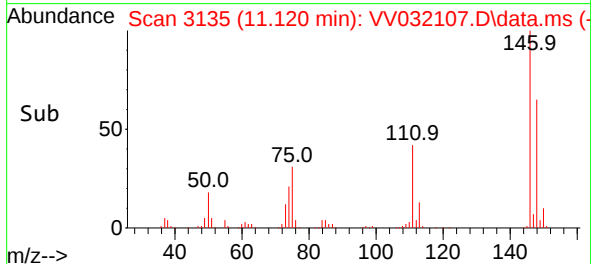
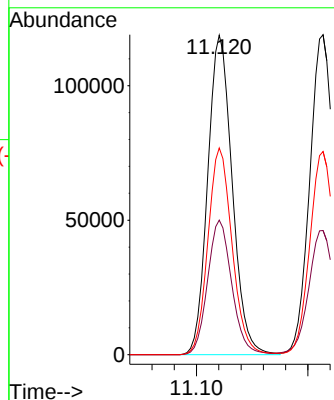
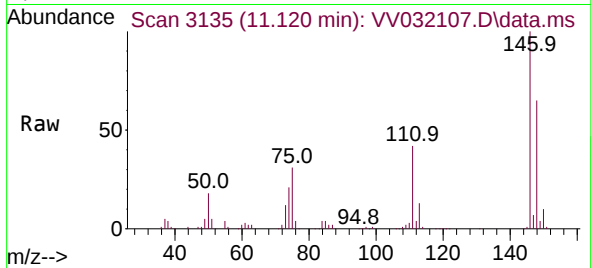




#64
1,3-Dichlorobenzene
Concen: 49.015 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

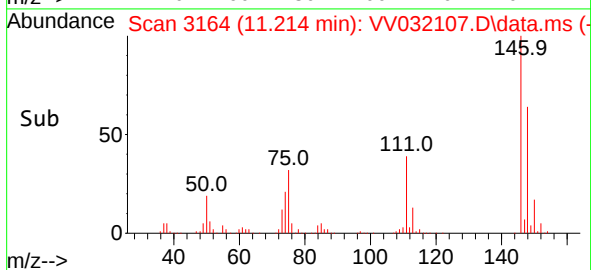
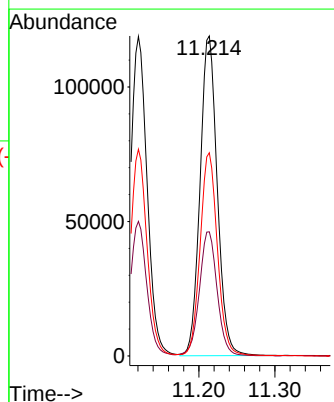
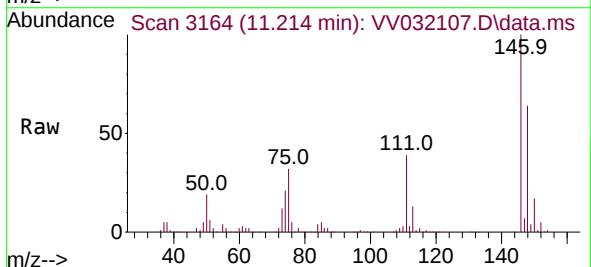
Instrument :
MSVOA_V
ClientSampleId :

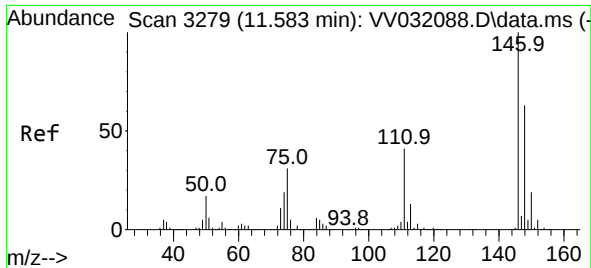
Tgt Ion:146 Resp: 181532
Ion Ratio Lower Upper
146 100
111 42.1 30.2 56.0
148 64.7 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 49.663 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion:146 Resp: 187030
Ion Ratio Lower Upper
146 100
111 38.8 28.5 52.9
148 63.5 44.2 82.2

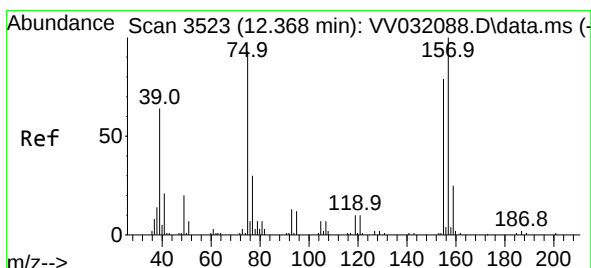
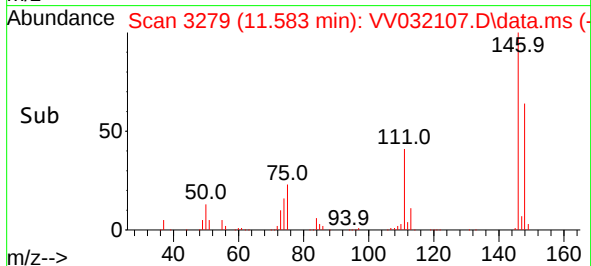
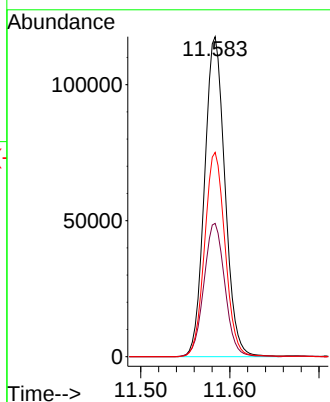
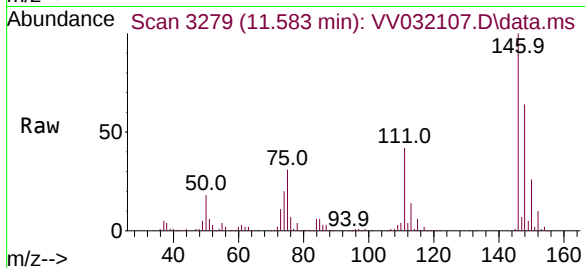




#67
1,2-Dichlorobenzene
Concen: 51.005 ug/L
RT: 11.583 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

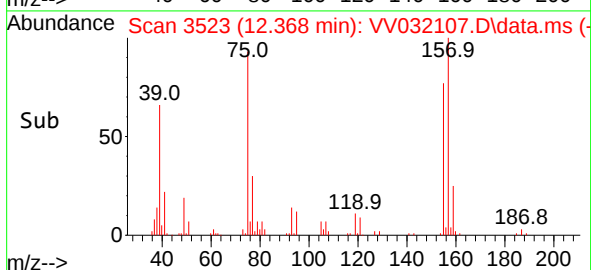
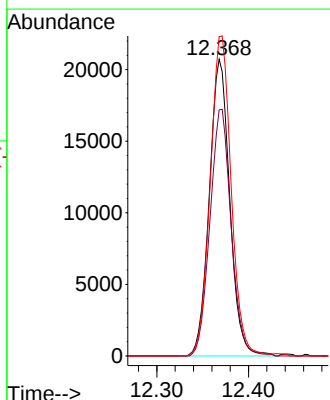
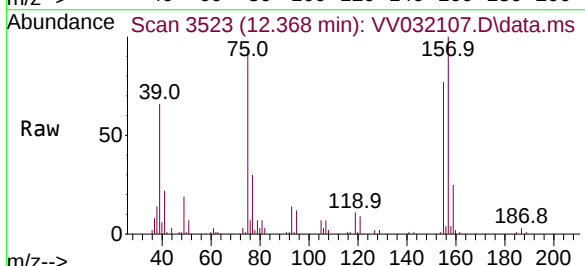
Instrument :
MSVOA_V
ClientSampleId :

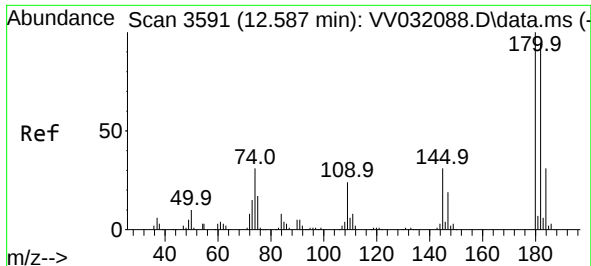
Tgt Ion:146 Resp: 187188
Ion Ratio Lower Upper
146 100
111 41.6 35.8 53.6
148 63.9 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 45.831 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion: 75 Resp: 32090
Ion Ratio Lower Upper
75 100
155 82.9 60.1 90.1
157 107.6 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 47.405 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. -0.000 min

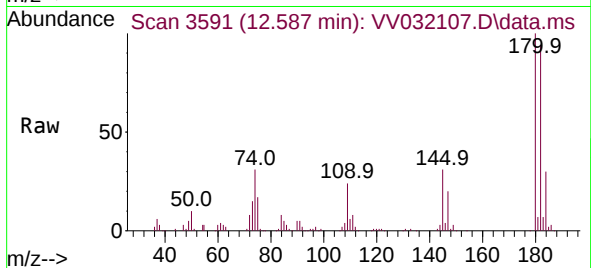
Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 127992

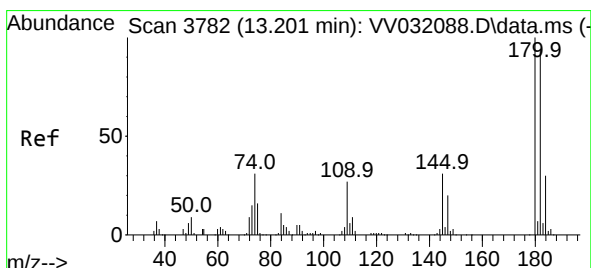
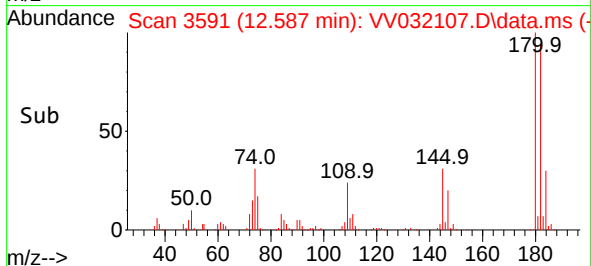
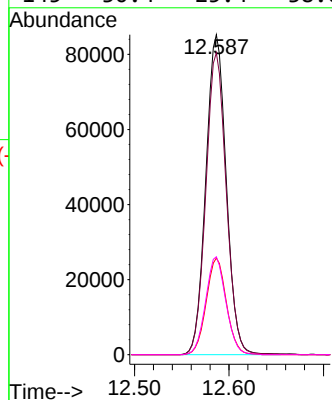
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

184 29.9 23.7 35.5

145 30.4 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 47.781 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032107.D

Acq: 14 Sep 2023 22:57

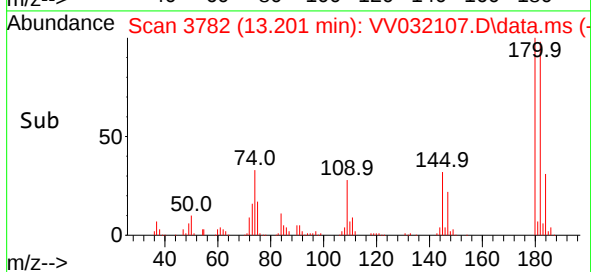
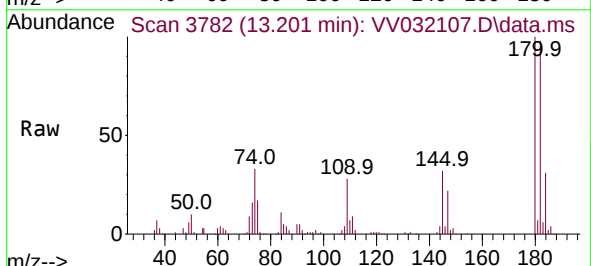
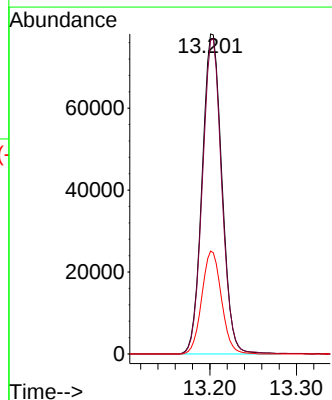
Tgt Ion:180 Resp: 123830

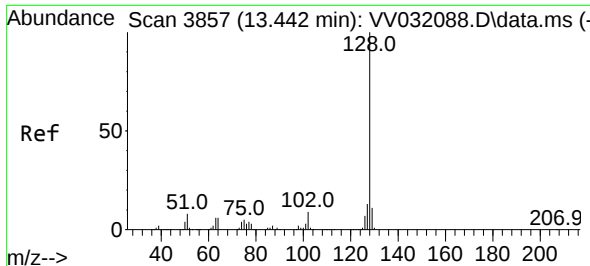
Ion Ratio Lower Upper

180 100

182 96.5 75.4 113.2

145 31.8 26.0 39.0

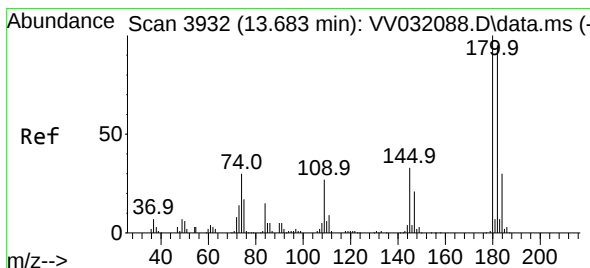
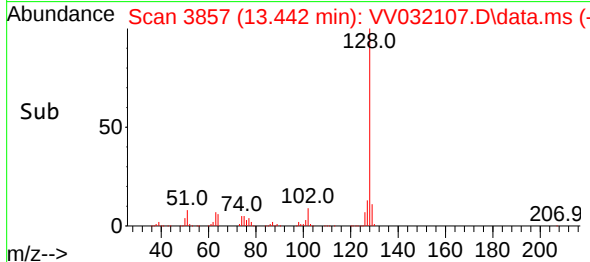
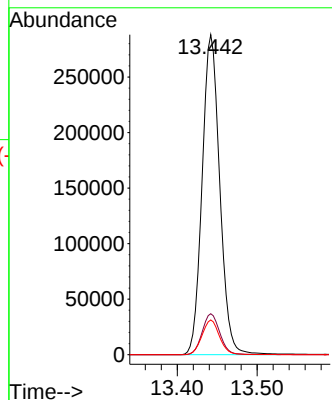
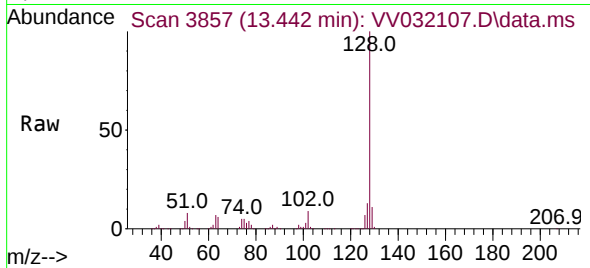




#71
Naphthalene
Concen: 53.503 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 443009
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 51.663 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032107.D
Acq: 14 Sep 2023 22:57

Tgt Ion:180 Resp: 128300
Ion Ratio Lower Upper
180 100
182 94.1 76.7 115.1
145 33.1 27.7 41.5

