

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082323\
 Data File : VW031857.D
 Acq On : 23 Aug 2023 09:58
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 01:27:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:26:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	284592	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	277867	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	148261	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	17197	8.426	ug/L	0.00
7) Chloroethane-d5	1.532	69	14134	9.936	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	8286	11.330	ug/L	0.00
21) 2-Butanone-d5	3.809	46	19912	15.688	ug/L	0.02
24) Chloroform-d	4.256	84	36382	7.871	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	24231	8.523	ug/L	0.00
32) Benzene-d6	4.966	84	70532	8.073	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	22477	7.921	ug/L	0.00
41) Toluene-d8	7.249	98	65888	8.139	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	11293	8.887	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	12094	18.408	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.156	84	27963	7.858	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	25498	8.476	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	18268	8.104	ug/L	100
3) Chloromethane	1.217	50	18649	10.094	ug/L	100
5) Vinyl chloride	1.281	62	19783	10.112	ug/L	97
6) Bromomethane	1.487	94	11458	9.977	ug/L	98
8) Chloroethane	1.548	64	13306	12.232	ug/L	99
9) Trichlorofluoromethane	1.716	101	28731	9.850	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	17332	10.991	ug/L	98
12) 1,1-Dichloroethene	2.072	96	15724	11.704	ug/L	86
13) Acetone	2.114	43	27044	30.653	ug/L	97
14) Carbon disulfide	2.243	76	34295	9.678	ug/L	99
15) Methyl Acetate	2.378	43	23361	11.119	ug/L	98
16) Methylene chloride	2.449	84	20610	9.279	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	16657	9.458	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	71435	11.170	ug/L	99
19) 1,1-Dichloroethane	3.117	63	38298	10.131	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	21258	10.037	ug/L	95
22) 2-Butanone	3.886	43	31922	20.777	ug/L	91
23) Bromochloromethane	4.156	128	10221	9.278	ug/L	98
25) Chloroform	4.281	83	39810	9.377	ug/L	95
27) 1,2-Dichloroethane	5.050	62	31096	9.750	ug/L #	95
29) Cyclohexane	4.587	56	30018	10.725	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	32926	8.083	ug/L	96
31) Carbon tetrachloride	4.738	117	29276	7.928	ug/L	99
33) Benzene	5.018	78	75832	9.284	ug/L	100
34) Trichloroethene	5.841	95	23905	8.849	ug/L	98
35) Methylcyclohexane	6.053	83	31746	9.782	ug/L	97
37) 1,2-Dichloropropane	6.101	63	21637	9.084	ug/L	100
38) Bromodichloromethane	6.439	83	31151	9.132	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	37381	10.783	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	70093	24.207	ug/L	99
42) Toluene	7.320	91	84968	9.950	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	35996	10.880	ug/L	100

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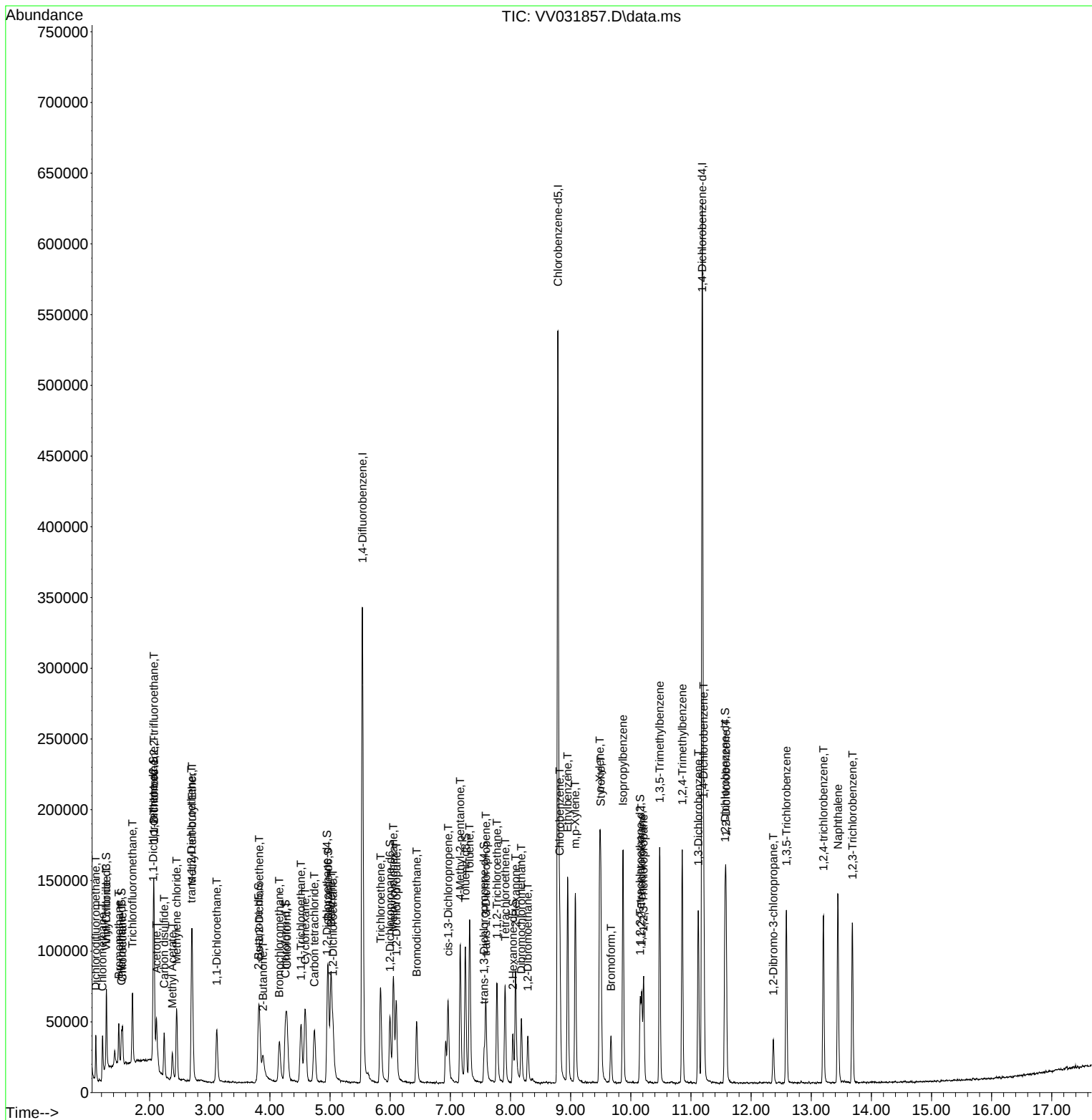
Instrument :
 MSVOA_V
 ClientSampleId :

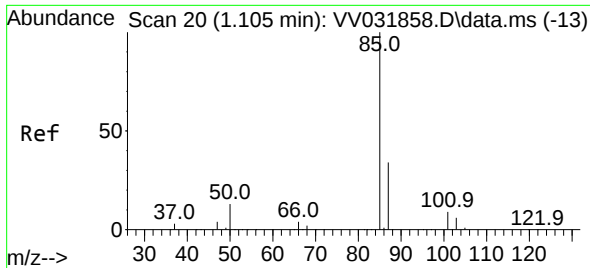
Quant Time: Aug 24 01:27:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:26:33 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	22842	10.072	ug/L	98
46) Tetrachloroethene	7.911	164	15091	8.861	ug/L	95
48) 2-Hexanone	8.085	43	52901	24.135	ug/L	99
49) Dibromochloromethane	8.181	129	22615	8.425	ug/L	98
50) 1,2-Dibromoethane	8.288	107	23092	8.978	ug/L	100
51) Chlorobenzene	8.818	112	57176	9.710	ug/L	99
52) Ethylbenzene	8.950	91	102278	10.588	ug/L	100
53) m,p-Xylene	9.079	106	37375	11.123	ug/L	99
54) o-Xylene	9.484	106	37187	12.058	ug/L	97
55) Styrene	9.500	104	65162	11.791	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	30364	9.697	ug/L	99
59) Bromoform	9.670	173	14642	8.496	ug/L	100
60) Isopropylbenzene	9.870	105	105364	12.523	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	29620	10.430	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	87330	12.906	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	88289	12.859	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	47375	10.468	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	46901	9.908	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	46308	10.068	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	7963	9.353	ug/L	95
69) 1,3,5-Trichlorobenzene	12.586	180	33279	8.851	ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	32313	8.856	ug/L	99
71) Naphthalene	13.445	128	103211	9.592	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	31125	8.179	ug/L	98

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

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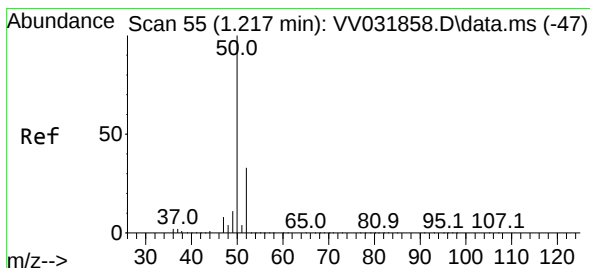
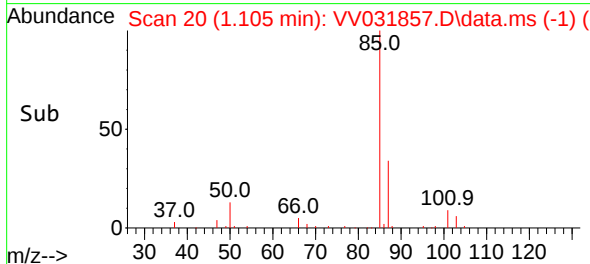
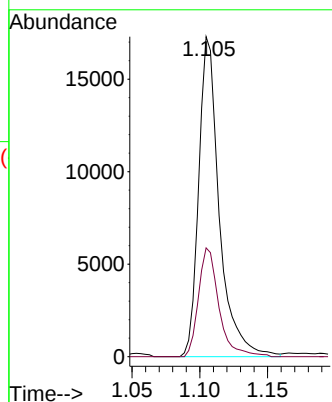
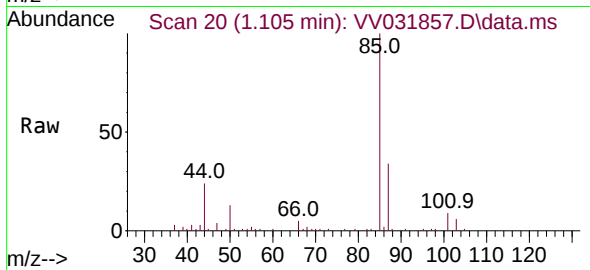




#2
 Dichlorodifluoromethane
 Concen: 8.104 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031857.D
 Acq: 23 Aug 2023 09:58

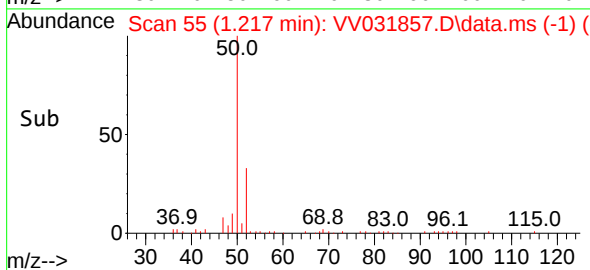
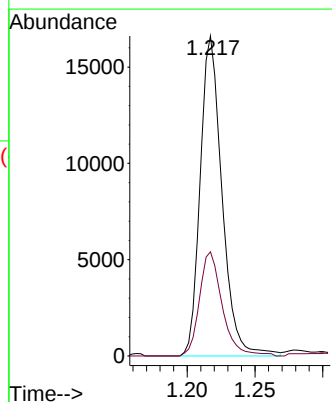
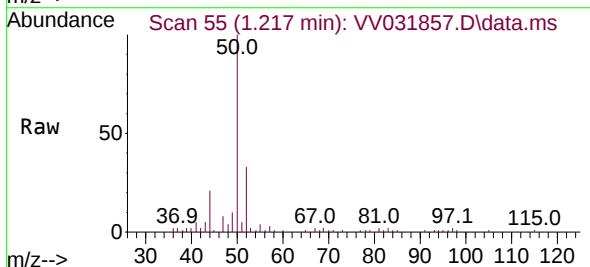
Instrument :
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 ClientSampleId :

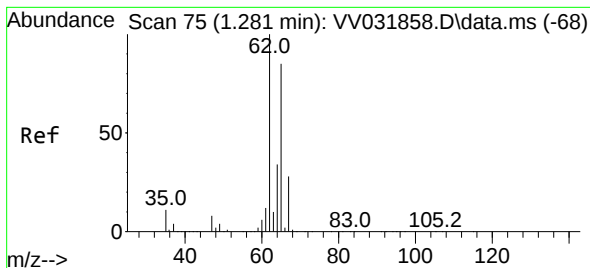
Tgt Ion: 85 Resp: 18268
 Ion Ratio Lower Upper
 85 100
 87 33.7 26.8 40.2



#3
 Chloromethane
 Concen: 10.094 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031857.D
 Acq: 23 Aug 2023 09:58

Tgt Ion: 50 Resp: 18649
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.0 42.6

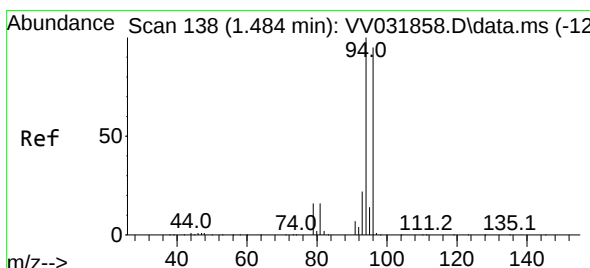
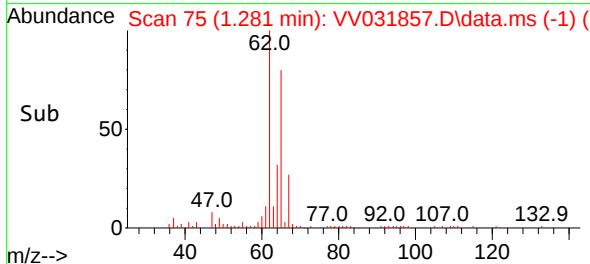
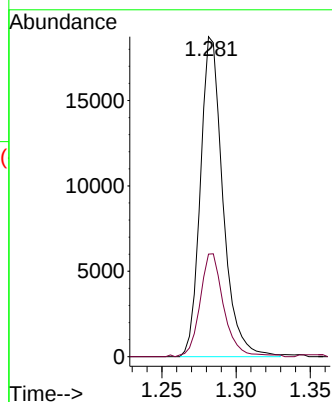
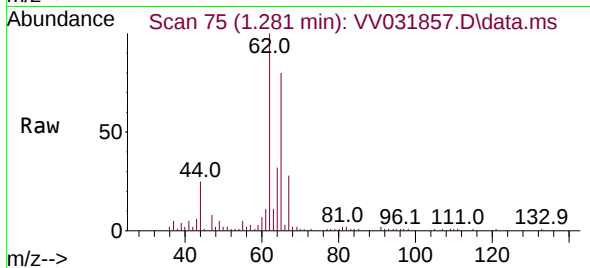




#5
 Vinyl chloride
 Concen: 10.112 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031857.D
 Acq: 23 Aug 2023 09:58

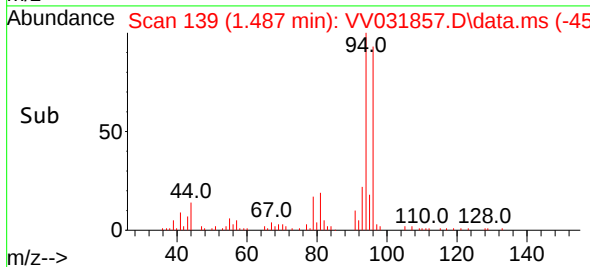
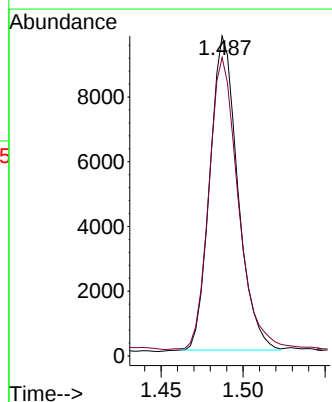
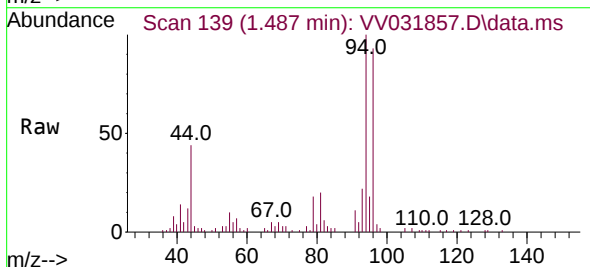
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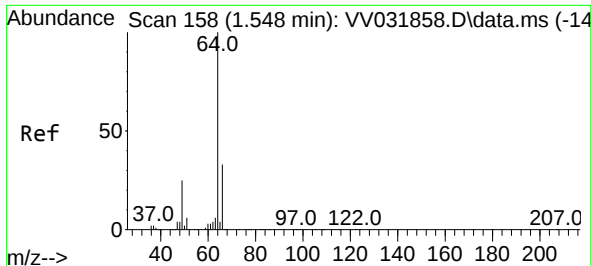
Tgt Ion: 62 Resp: 19783
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.6 43.8



#6
 Bromomethane
 Concen: 9.977 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV031857.D
 Acq: 23 Aug 2023 09:58

Tgt Ion: 94 Resp: 11458
 Ion Ratio Lower Upper
 94 100
 96 93.2 66.4 123.4

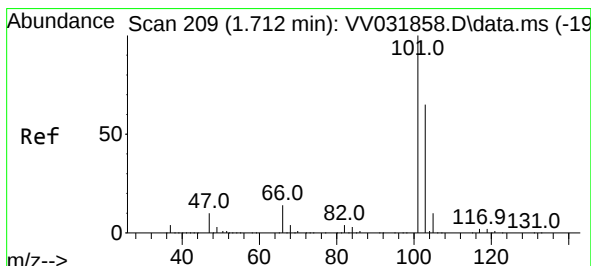
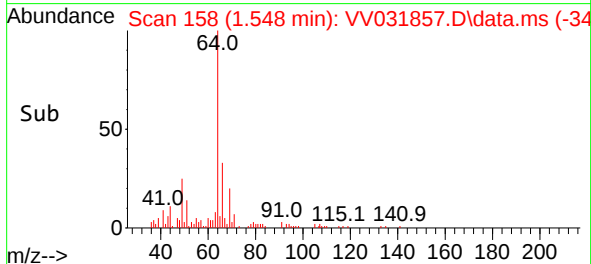
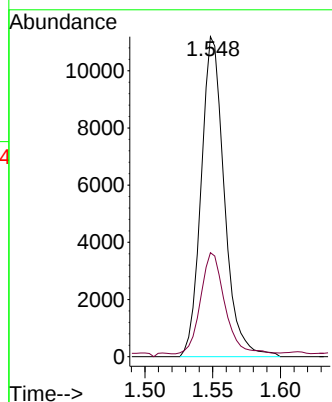
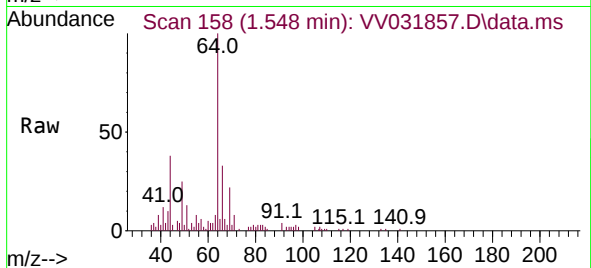




#8
Chloroethane
Concen: 12.232 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

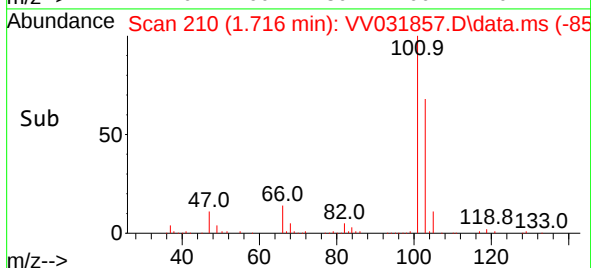
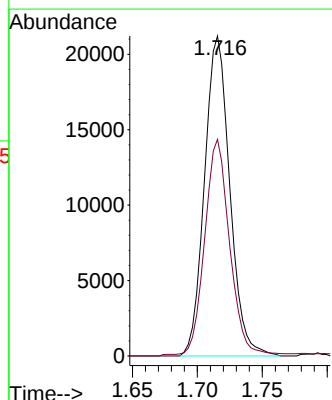
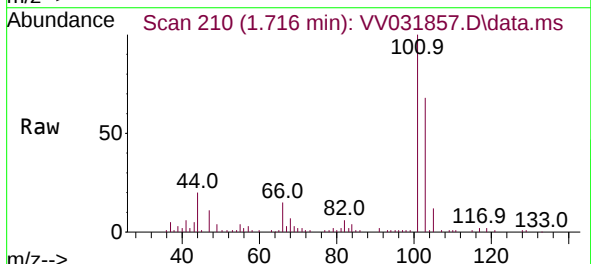
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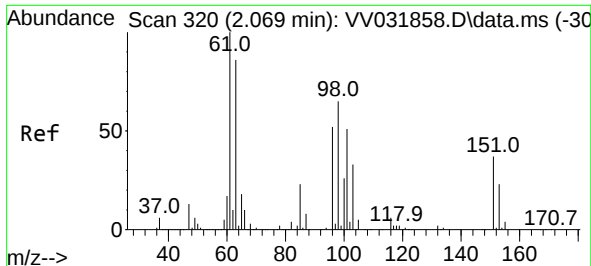
Tgt Ion: 64 Resp: 13306
Ion Ratio Lower Upper
64 100
66 32.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 9.850 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion:101 Resp: 28731
Ion Ratio Lower Upper
101 100
103 65.8 51.9 77.9





#10

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

Concen: 10.991 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

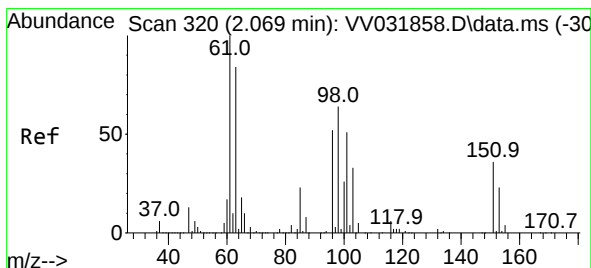
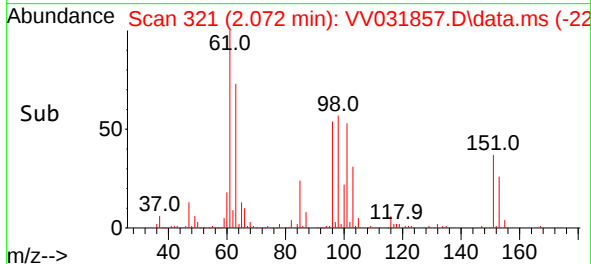
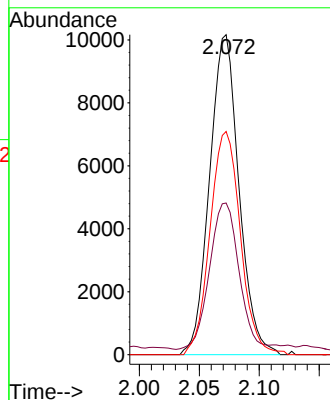
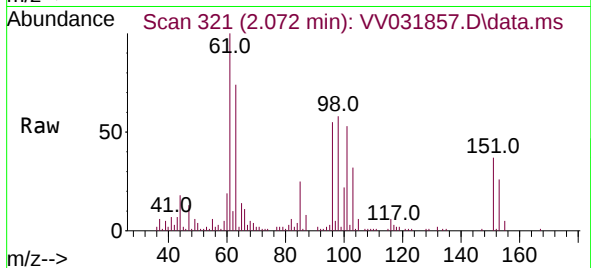
Tgt Ion:101 Resp: 17332

Ion Ratio Lower Upper

101 100

85 45.6 35.8 53.8

151 72.1 56.5 84.7



#12

1,1-Dichloroethene

Concen: 11.704 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

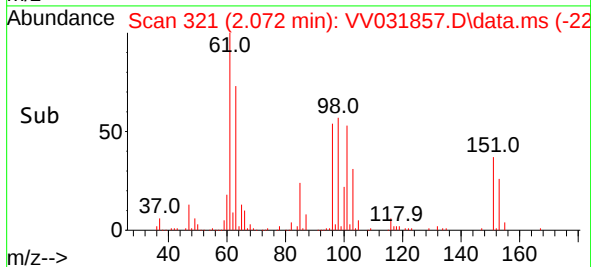
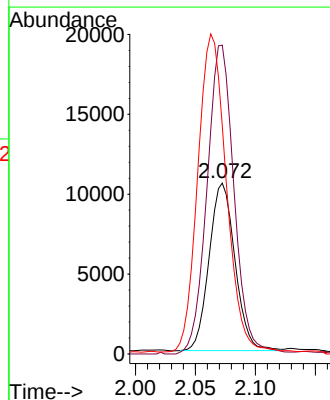
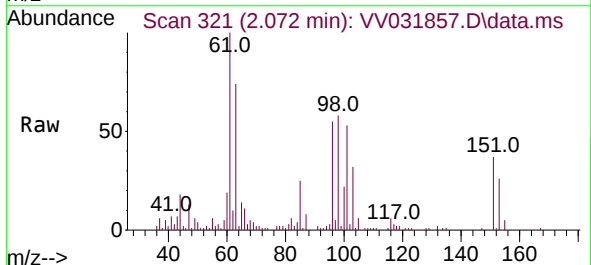
Tgt Ion: 96 Resp: 15724

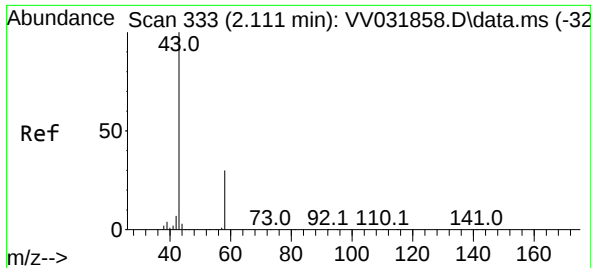
Ion Ratio Lower Upper

96 100

61 180.8 133.8 248.6

63 133.6 115.2 214.0





#13

Acetone

Concen: 30.653 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

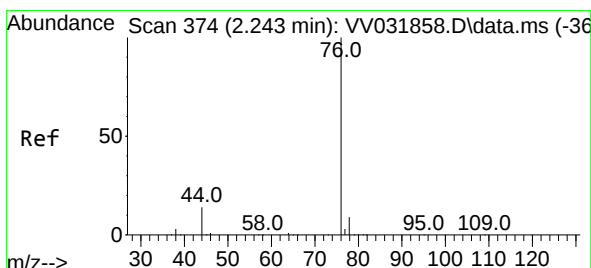
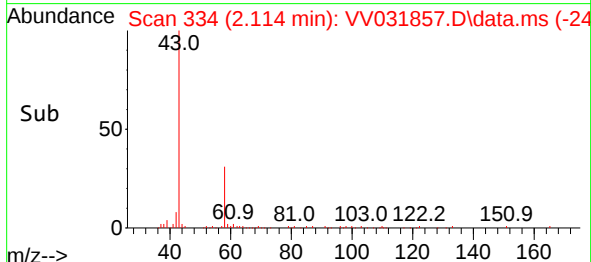
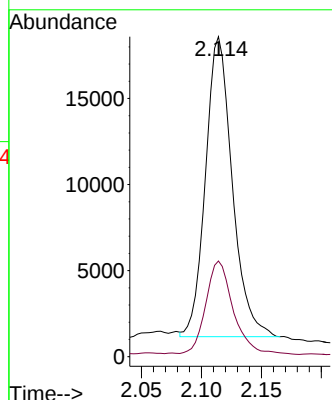
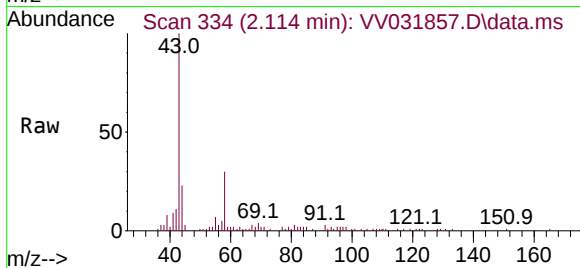
ClientSampleId :

Tgt Ion: 43 Resp: 27044

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.0



#14

Carbon disulfide

Concen: 9.678 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031857.D

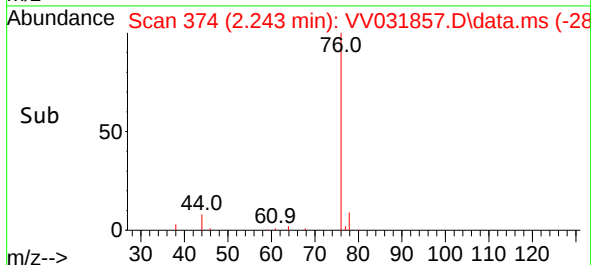
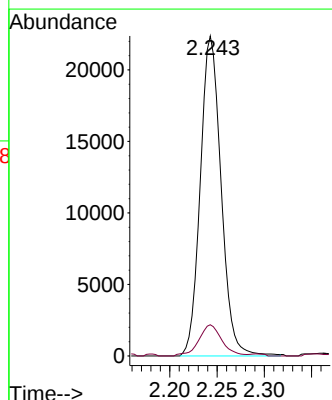
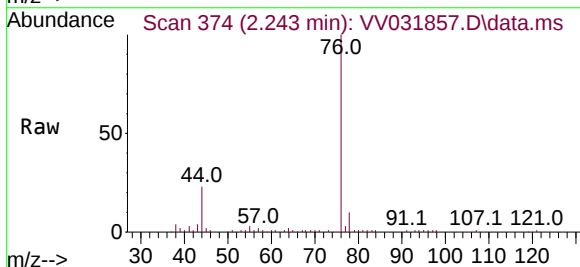
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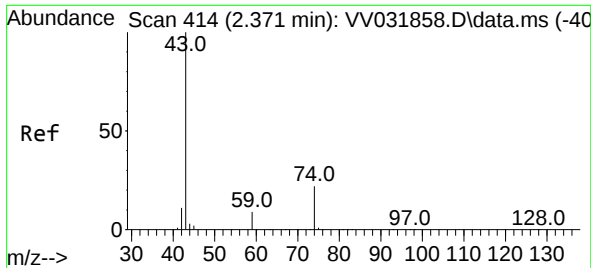
Tgt Ion: 76 Resp: 34295

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

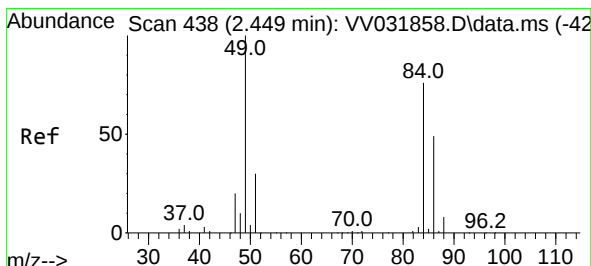
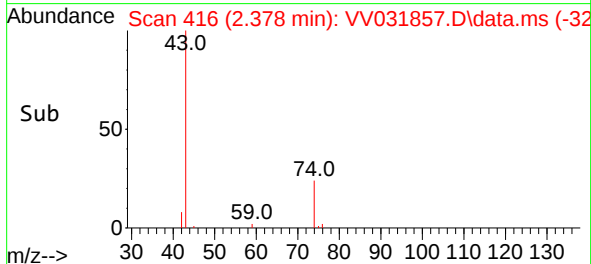
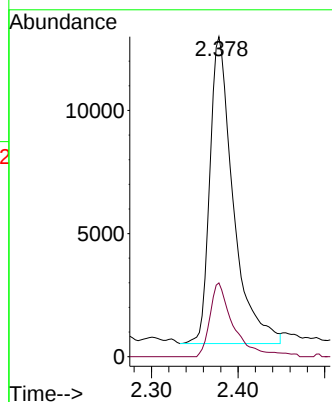
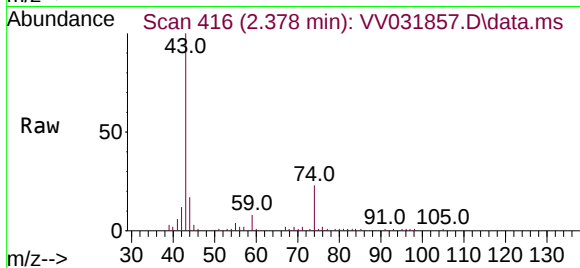




#15
Methyl Acetate
Concen: 11.119 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

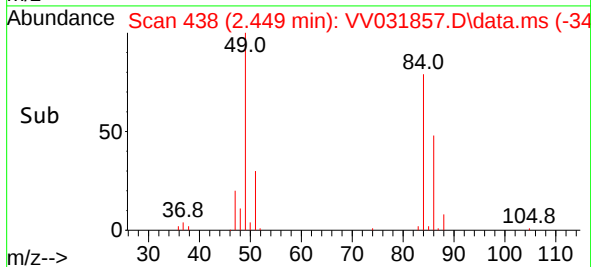
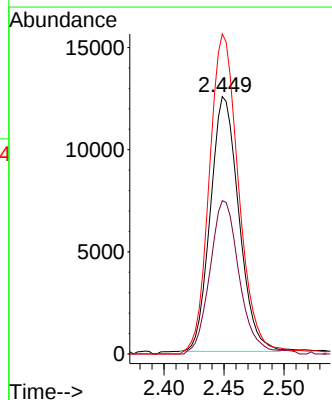
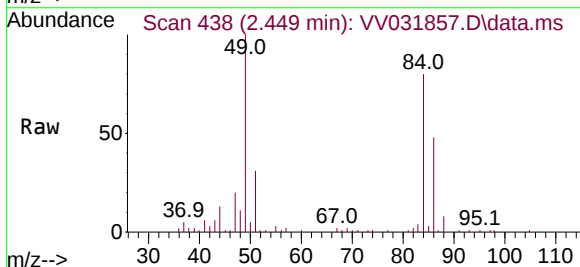
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MSVOA_V
ClientSampleId :

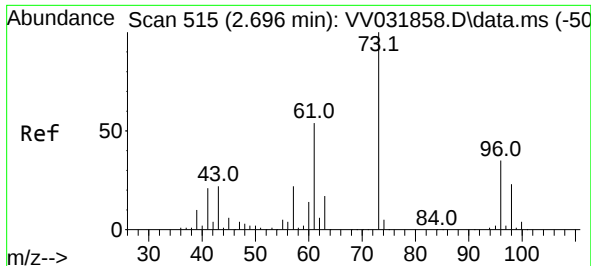
Tgt Ion: 43 Resp: 23361
Ion Ratio Lower Upper
43 100
74 23.2 17.9 26.9



#16
Methylene chloride
Concen: 9.279 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion: 84 Resp: 20610
Ion Ratio Lower Upper
84 100
86 59.5 44.6 82.8
49 124.3 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 9.458 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

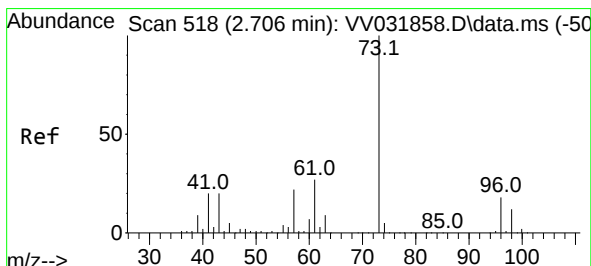
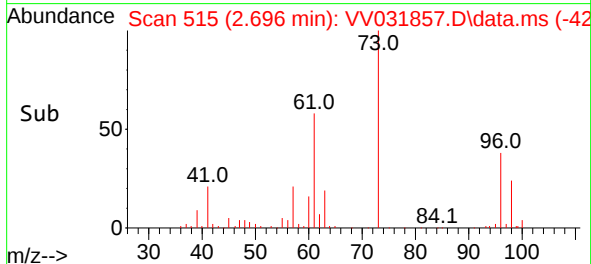
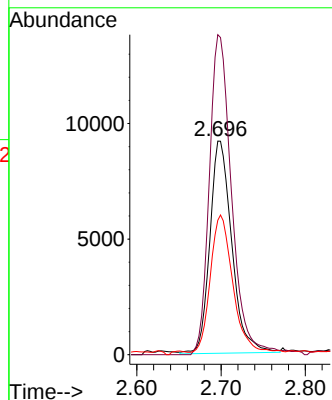
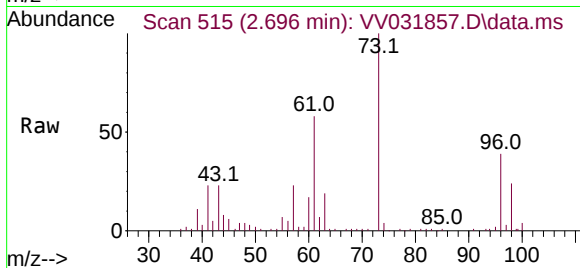
Tgt Ion: 96 Resp: 16657

Ion Ratio Lower Upper

96 100

61 149.8 107.3 199.3

98 62.9 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 11.170 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

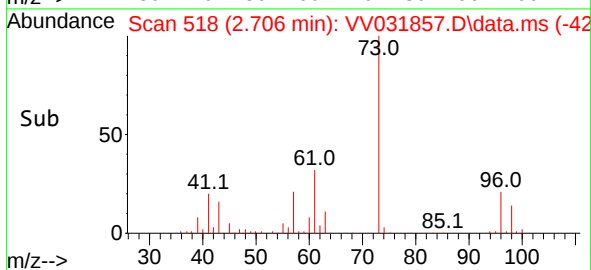
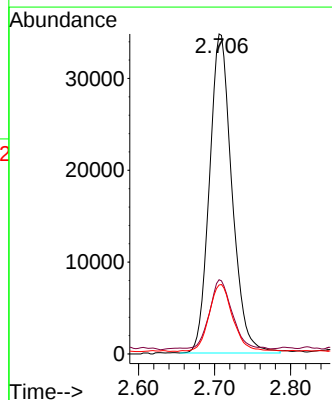
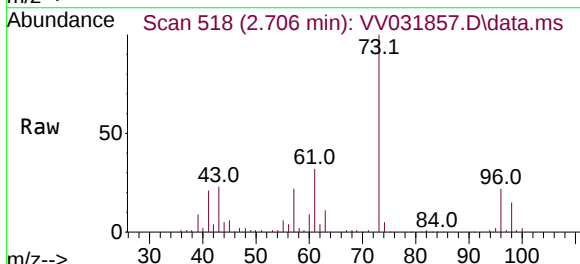
Tgt Ion: 73 Resp: 71435

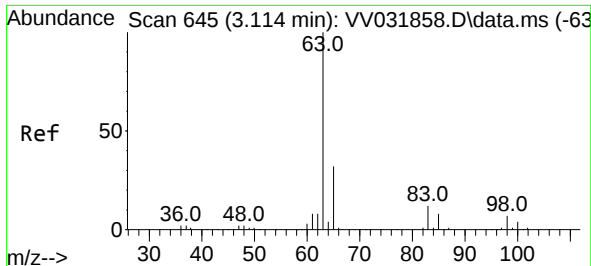
Ion Ratio Lower Upper

73 100

43 21.0 16.6 25.0

57 21.4 17.6 26.4





#19

1,1-Dichloroethane

Concen: 10.131 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031857.D

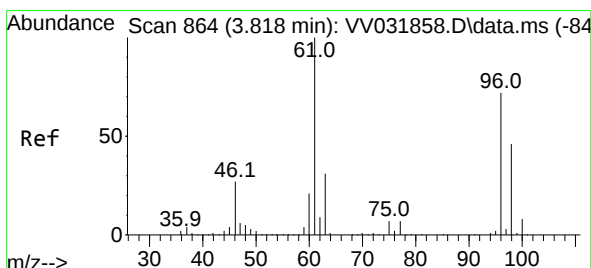
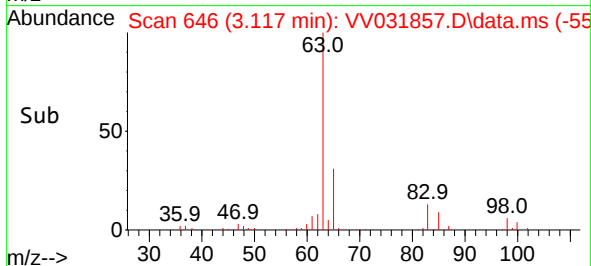
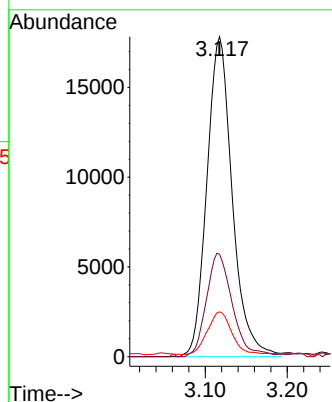
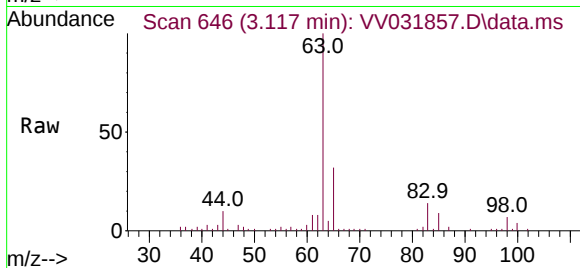
Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 38298
Ion Ratio	Lower Upper
63 100	
65 32.0	22.4 41.6
83 14.0	8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 10.037 ug/L

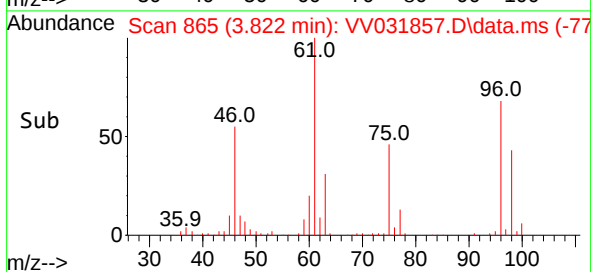
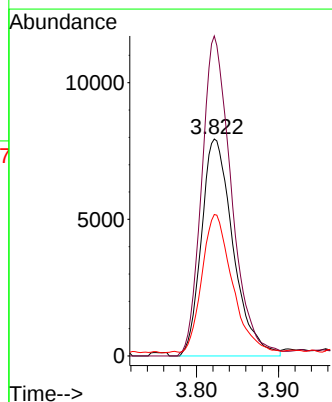
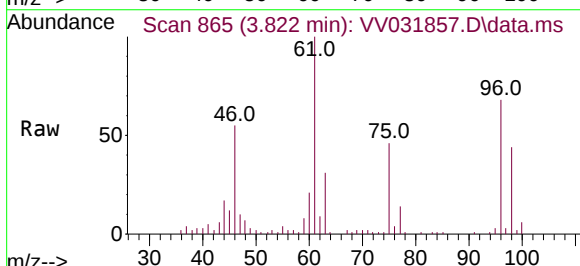
RT: 3.822 min Scan# 865

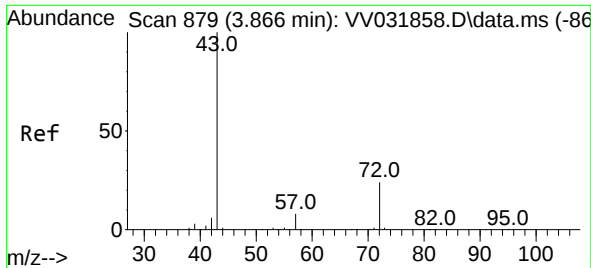
Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Tgt Ion: 96	Resp: 21258
Ion Ratio	Lower Upper
96 100	
61 147.5	97.3 180.7
98 65.2	45.3 84.1

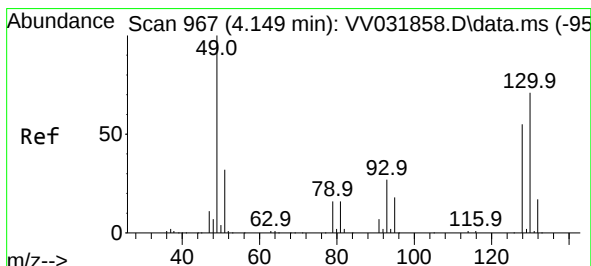
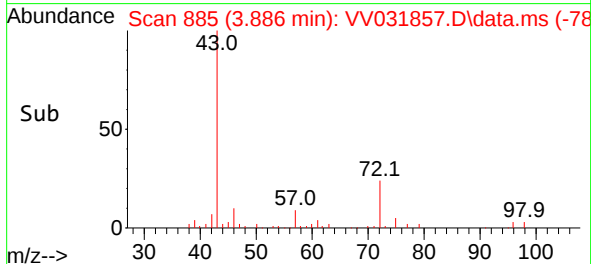
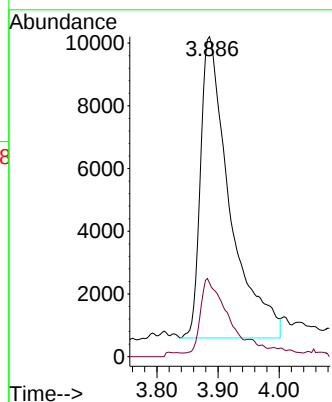
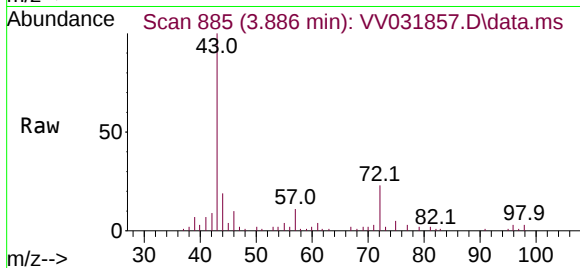




#22
2-Butanone
Concen: 20.777 ug/L
RT: 3.886 min Scan# 81
Delta R.T. 0.019 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

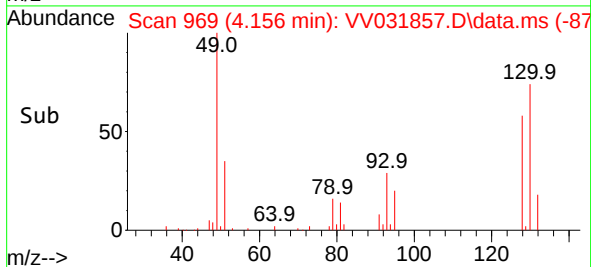
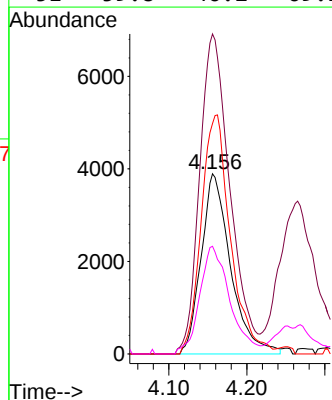
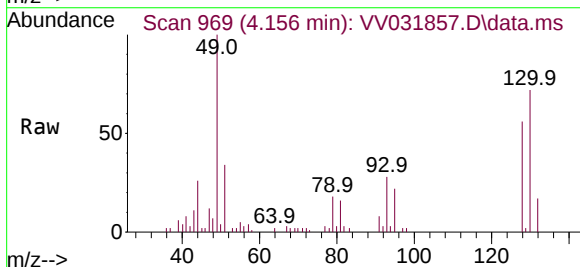
Instrument :
MSVOA_V
ClientSampleId :

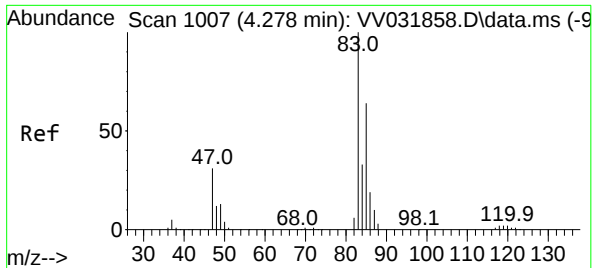
Tgt Ion: 43 Resp: 31922
Ion Ratio Lower Upper
43 100
72 20.7 12.6 37.8



#23
Bromochloromethane
Concen: 9.278 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.006 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion:128 Resp: 10221
Ion Ratio Lower Upper
128 100
49 177.7 127.8 237.4
130 127.9 90.1 167.3
51 59.8 46.2 69.2

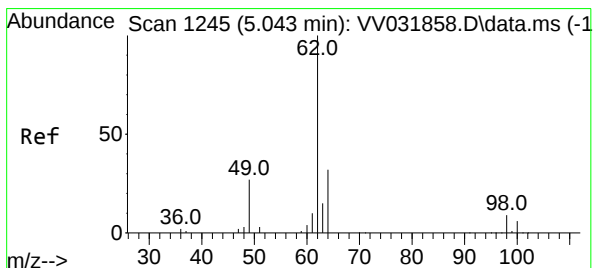
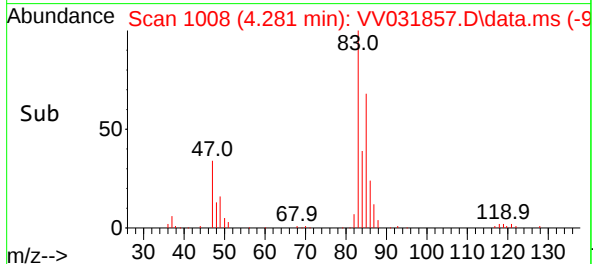
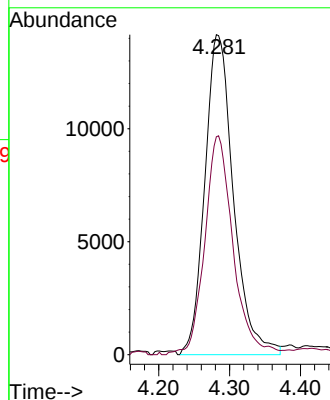
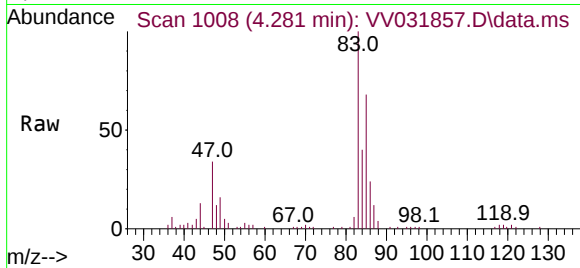




#25
Chloroform
Concen: 9.377 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

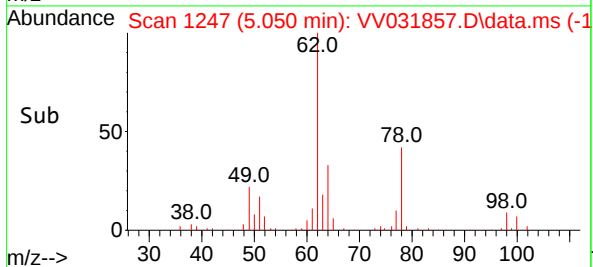
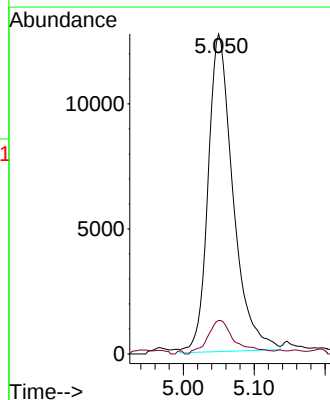
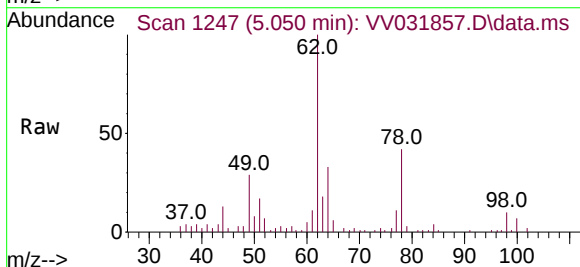
Instrument :
MSVOA_V
ClientSampleId :

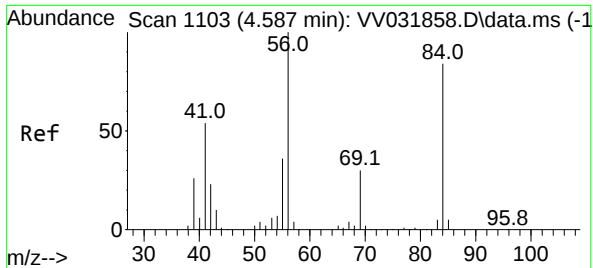
Tgt Ion: 83 Resp: 39810
Ion Ratio Lower Upper
83 100
85 68.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 9.750 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.006 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion: 62 Resp: 31096
Ion Ratio Lower Upper
62 100
98 10.4 7.0 10.4#





#29

Cyclohexane

Concen: 10.725 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

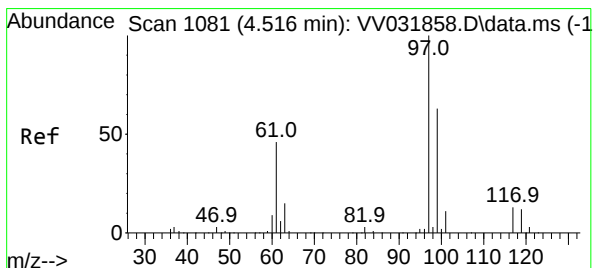
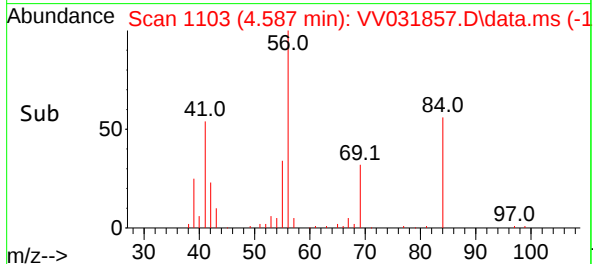
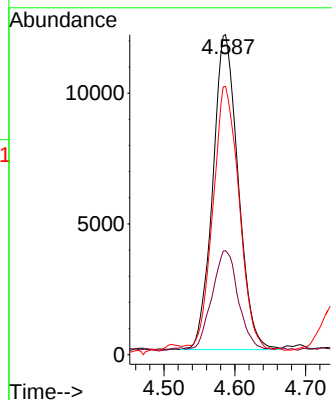
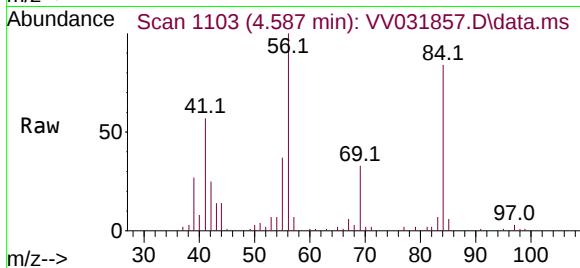
Tgt Ion: 56 Resp: 30018

Ion Ratio Lower Upper

56 100

69 31.8 24.2 36.4

84 89.3 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 8.083 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

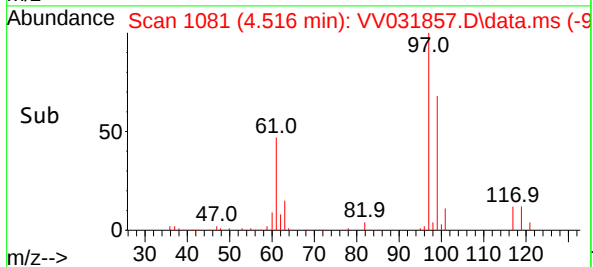
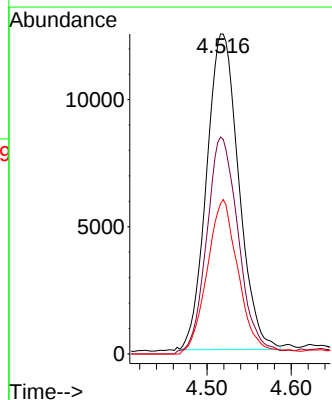
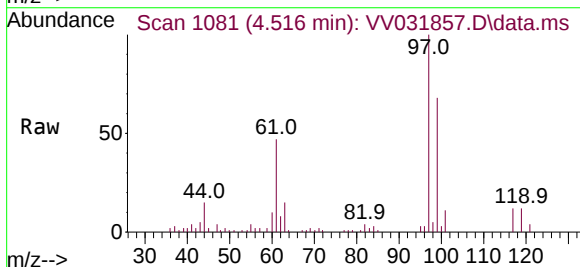
Tgt Ion: 97 Resp: 32926

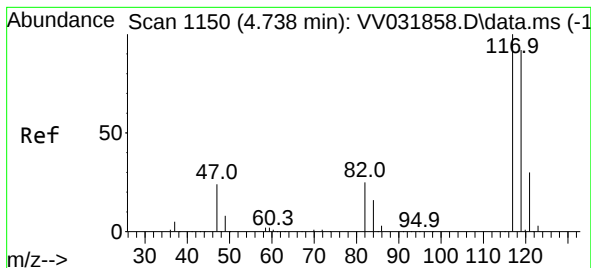
Ion Ratio Lower Upper

97 100

99 68.0 51.0 76.4

61 47.5 36.5 54.7





#31

Carbon tetrachloride

Concen: 7.928 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

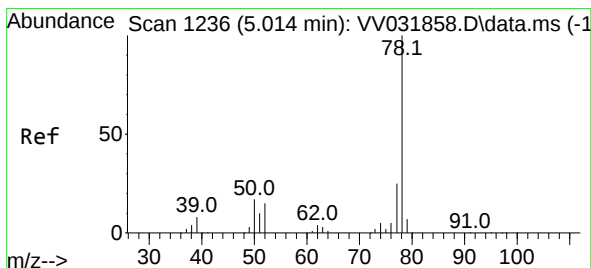
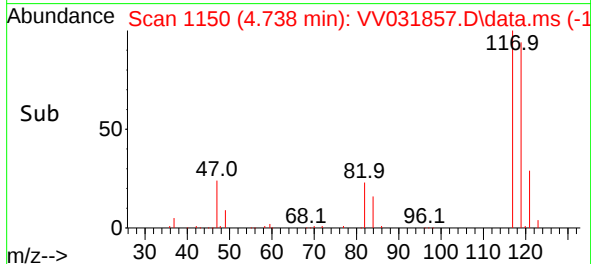
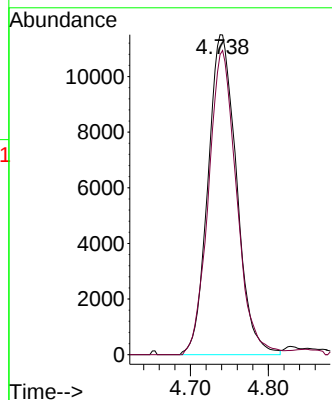
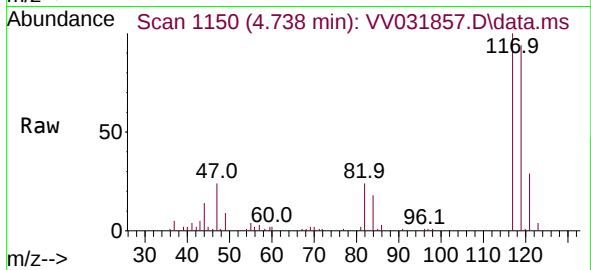
ClientSampleId :

Tgt Ion:117 Resp: 29276

Ion Ratio Lower Upper

117 100

119 93.7 75.4 113.2



#33

Benzene

Concen: 9.284 ug/L

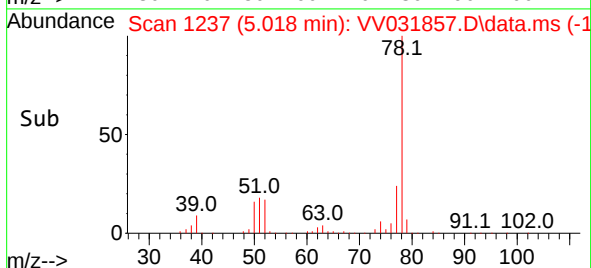
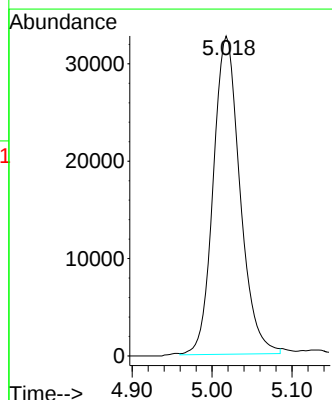
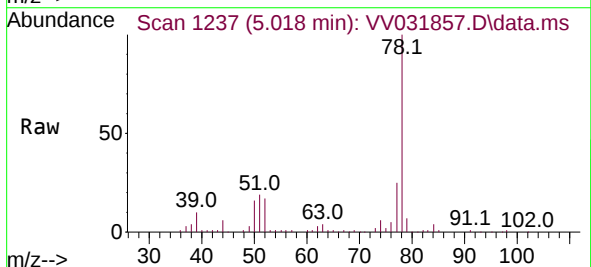
RT: 5.018 min Scan# 1237

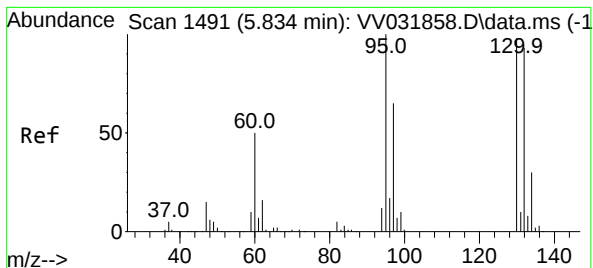
Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Tgt Ion: 78 Resp: 75832





#34

Trichloroethene

Concen: 8.849 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 23905

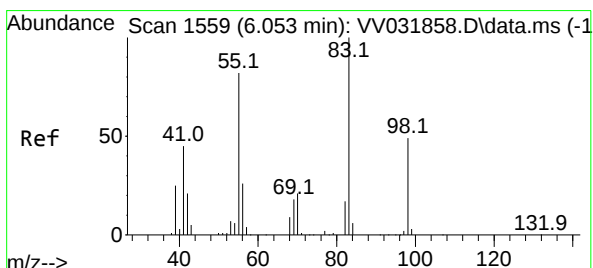
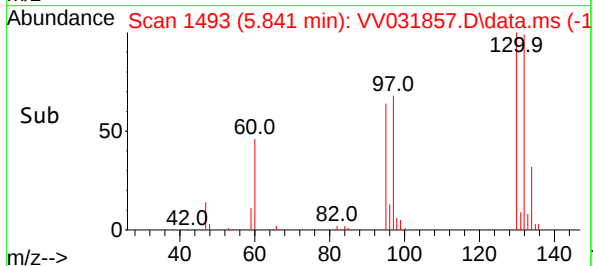
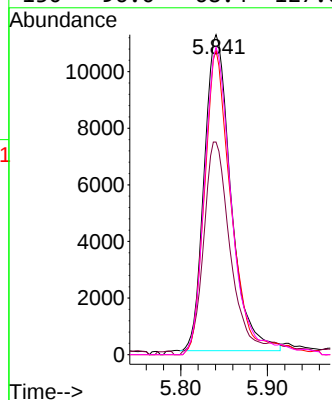
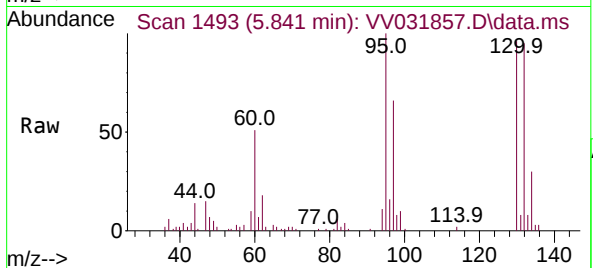
Ion Ratio Lower Upper

95 100

97 66.5 45.4 84.2

132 95.2 65.4 121.4

130 96.0 68.4 127.0



#35

Methylcyclohexane

Concen: 9.782 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

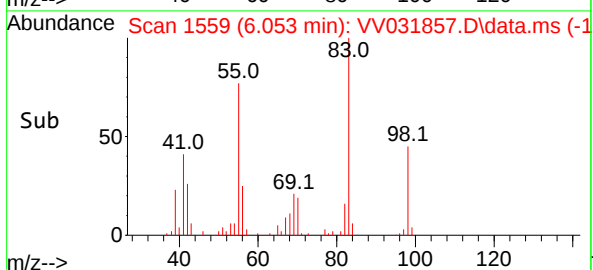
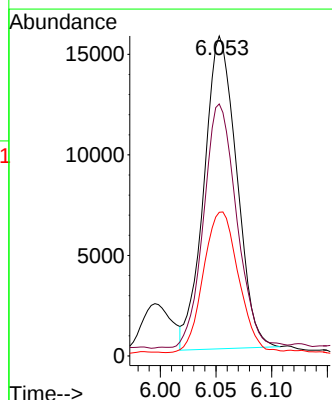
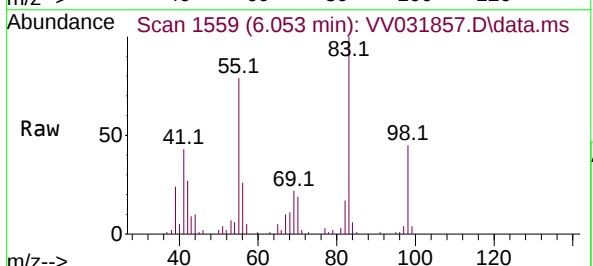
Tgt Ion: 83 Resp: 31746

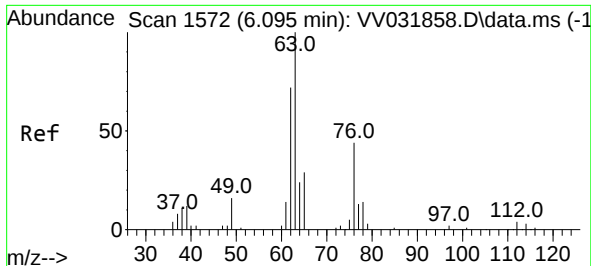
Ion Ratio Lower Upper

83 100

55 79.6 62.2 93.2

98 48.0 36.7 55.1





#37

1,2-Dichloropropane

Concen: 9.084 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

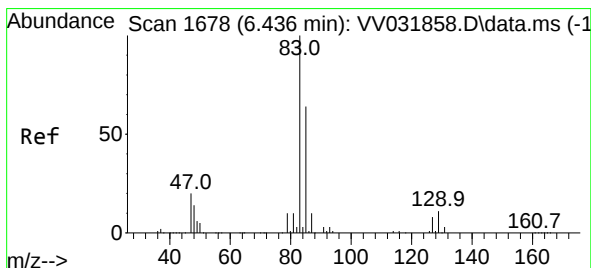
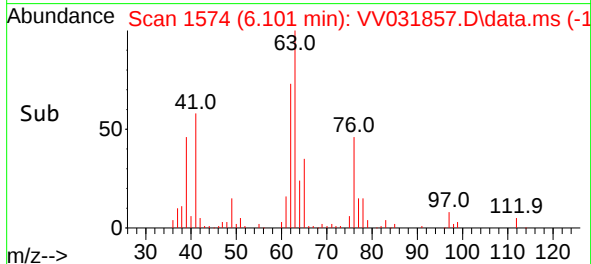
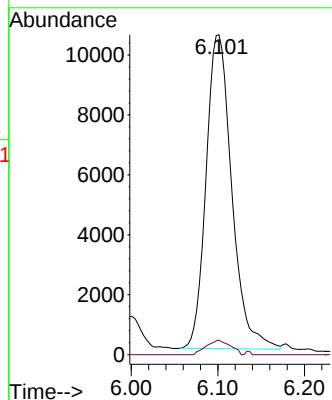
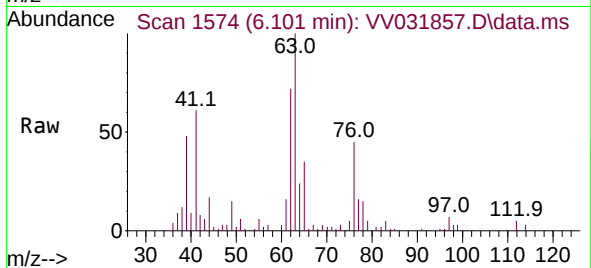
ClientSampleId :

Tgt Ion: 63 Resp: 21637

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 9.132 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

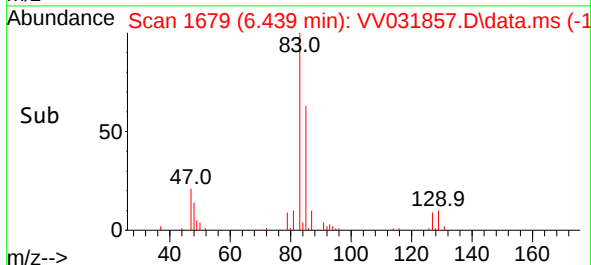
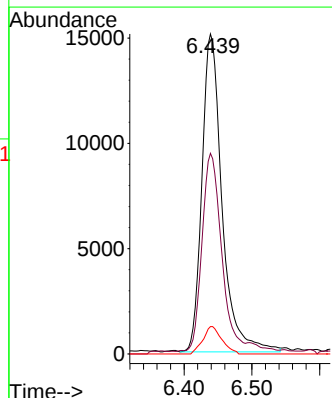
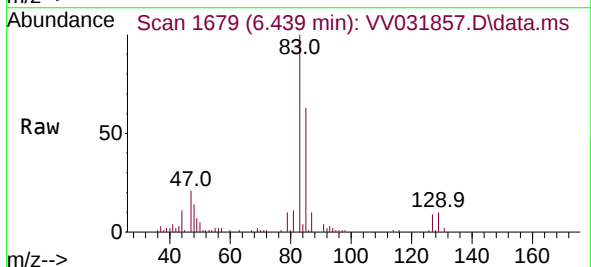
Tgt Ion: 83 Resp: 31151

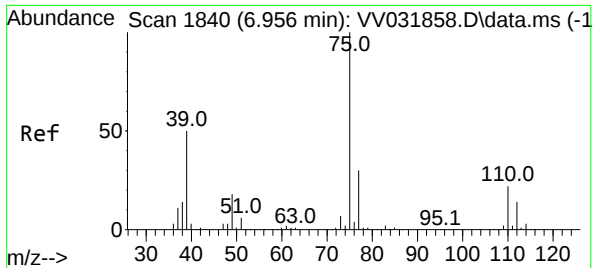
Ion Ratio Lower Upper

83 100

85 62.7 45.2 84.0

127 8.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 10.783 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

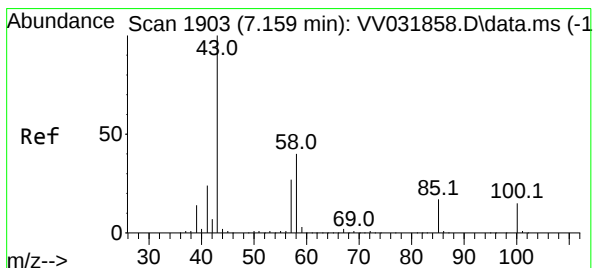
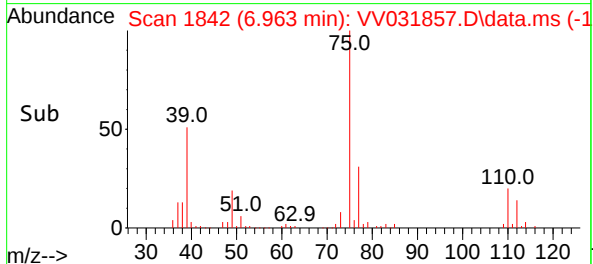
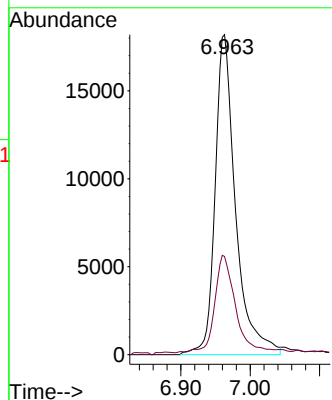
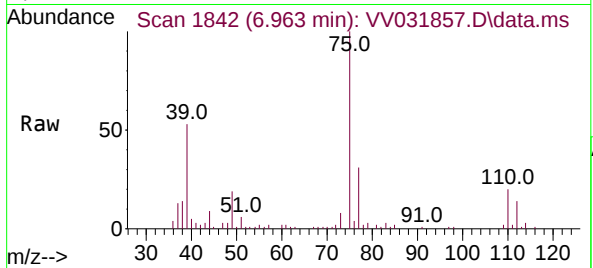
ClientSampleId :

Tgt Ion: 75 Resp: 37381

Ion Ratio Lower Upper

75 100

77 30.7 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 24.207 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

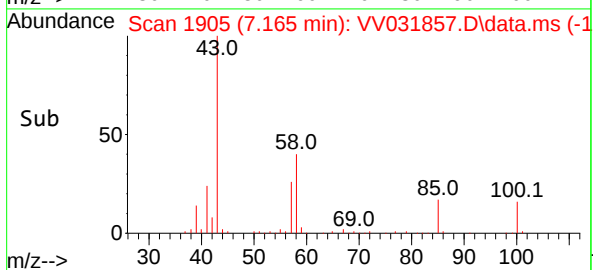
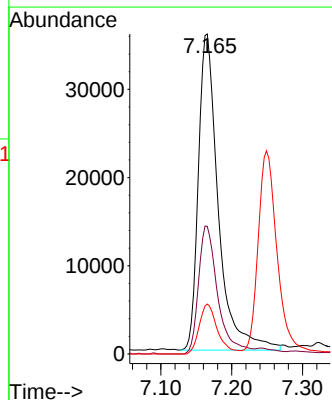
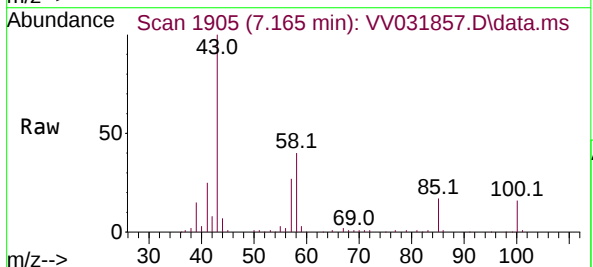
Tgt Ion: 43 Resp: 70093

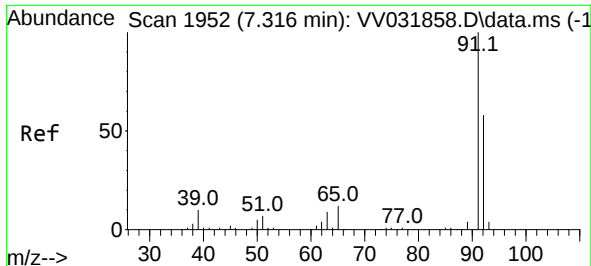
Ion Ratio Lower Upper

43 100

58 39.3 31.1 46.7

100 14.4 11.9 17.9





#42

Toluene

Concen: 9.950 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

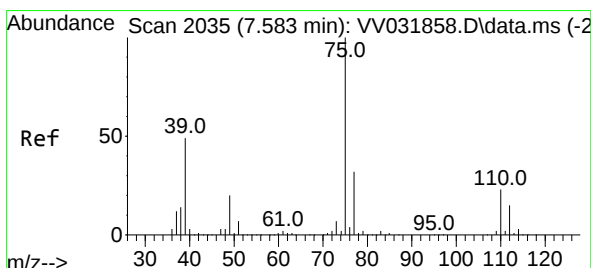
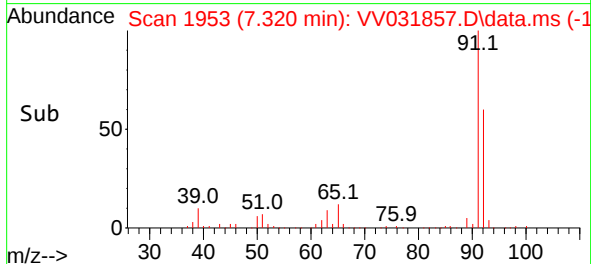
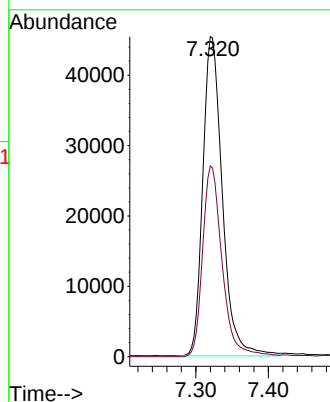
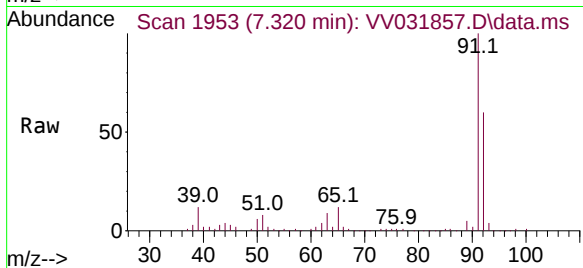
ClientSampleId :

Tgt Ion: 91 Resp: 84968

Ion Ratio Lower Upper

91 100

92 59.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 10.880 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.006 min

Lab File: VV031857.D

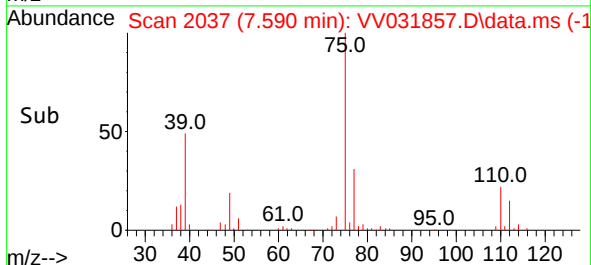
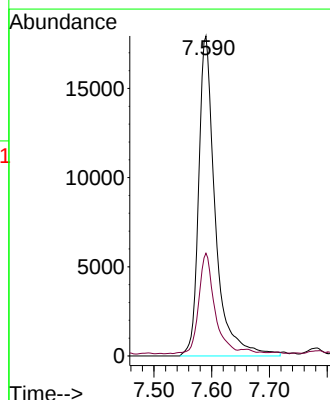
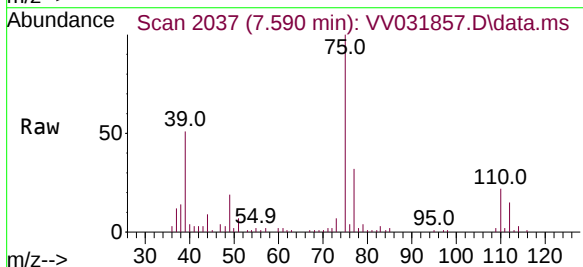
Acq: 23 Aug 2023 09:58

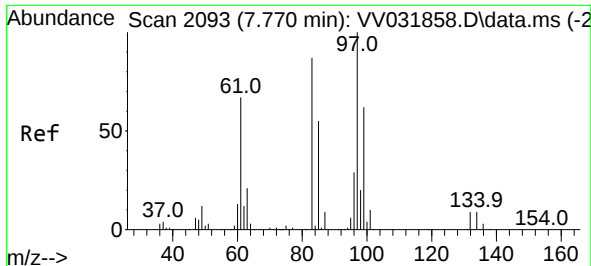
Tgt Ion: 75 Resp: 35996

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9

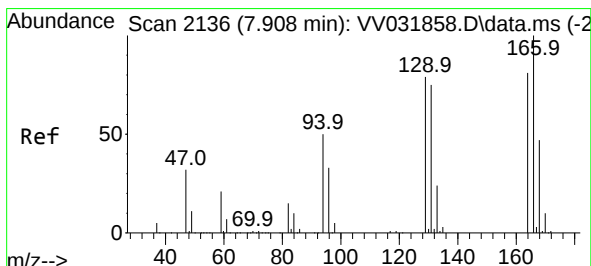
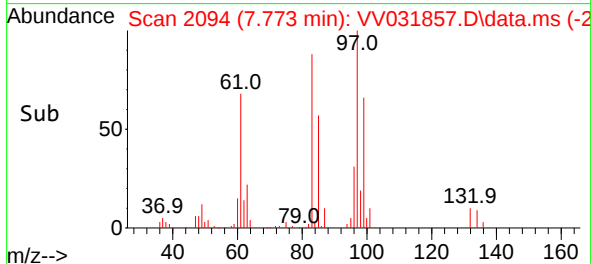
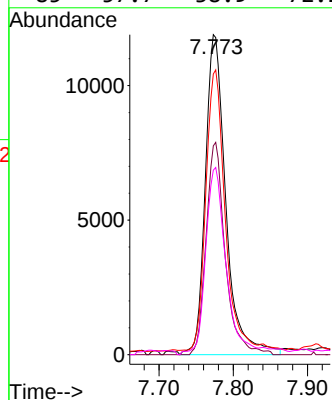
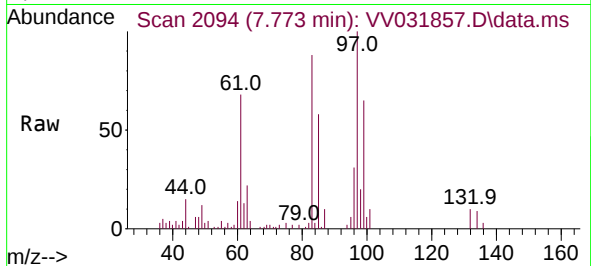




#45
1,1,2-Trichloroethane
Concen: 10.072 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

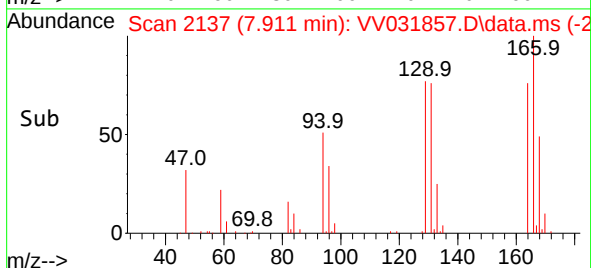
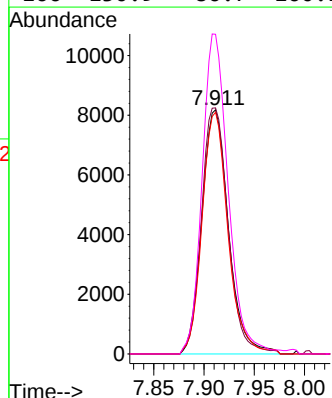
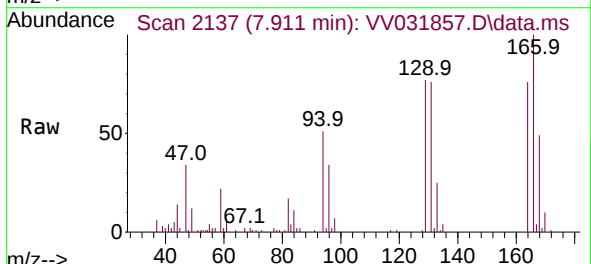
Instrument :
MSVOA_V
ClientSampleId :

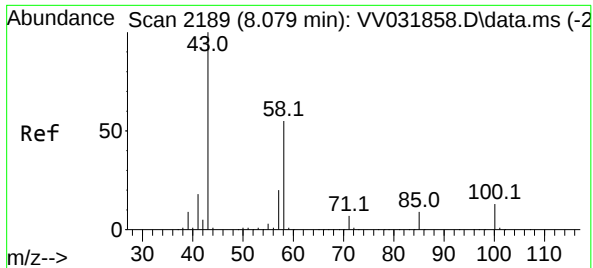
Tgt Ion: 97	Resp: 22842
Ion Ratio	Lower Upper
97 100	
99 65.2	43.0 79.8
83 87.7	61.2 113.6
85 57.7	38.9 72.2



#46
Tetrachloroethene
Concen: 8.861 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt	Ion:164	Resp:	15091
Ion	Ratio	Lower	Upper
164	100		
129	100.8	68.3	126.9
131	99.1	64.9	120.5
166	130.9	86.7	160.9

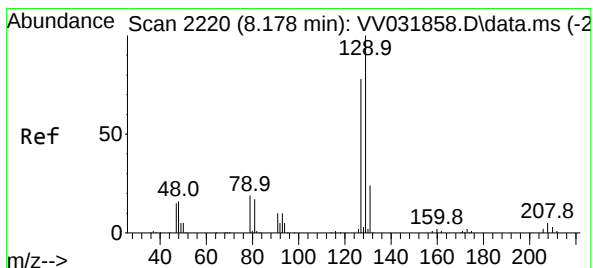
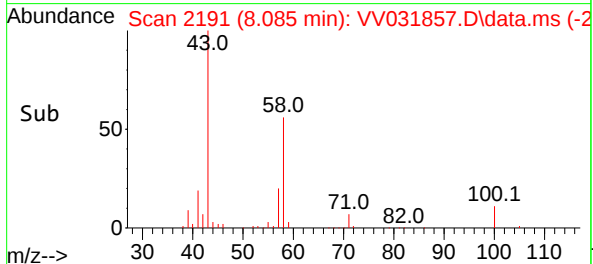
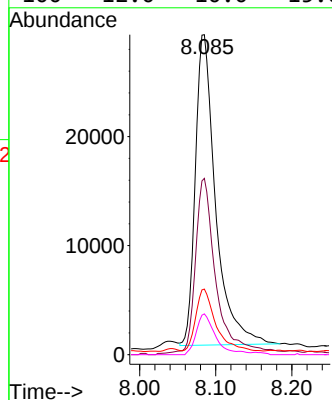
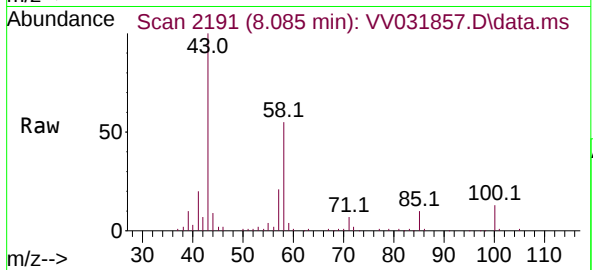




#48
2-Hexanone
Concen: 24.135 ug/L
RT: 8.085 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

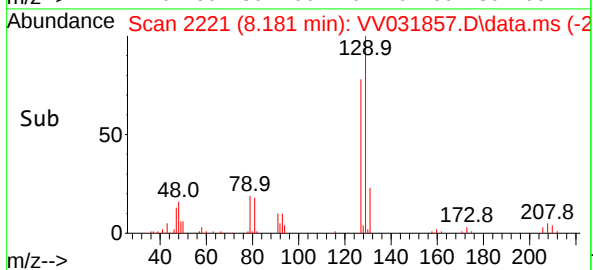
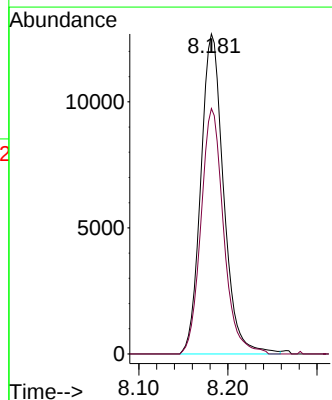
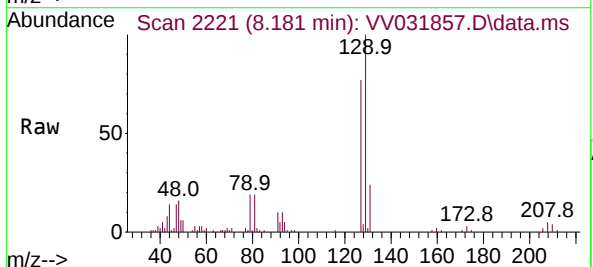
Instrument :
MSVOA_V
ClientSampleId :

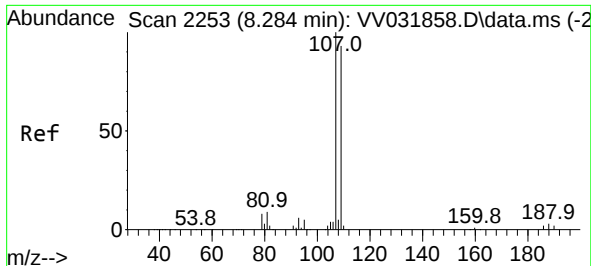
Tgt Ion: 43	Resp: 52901
Ion Ratio	Lower Upper
43 100	
58 54.0	44.0 66.0
57 19.9	15.9 23.9
100 12.0	10.0 15.0



#49
Dibromochloromethane
Concen: 8.425 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion:129	Resp:	22615	
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.7	101.7





#50

1,2-Dibromoethane

Concen: 8.978 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031857.D

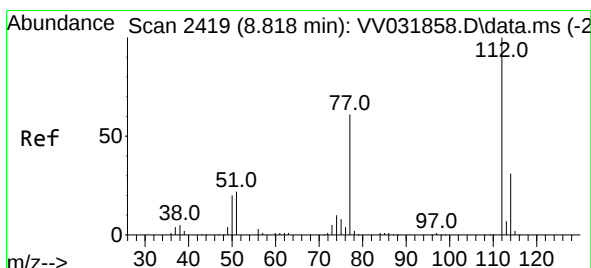
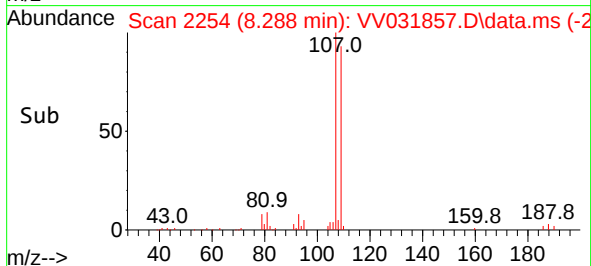
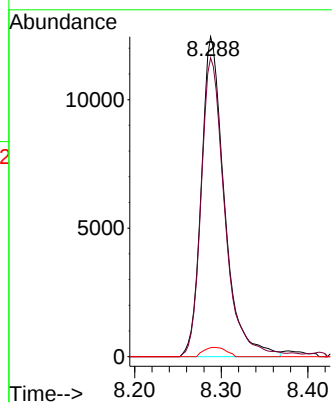
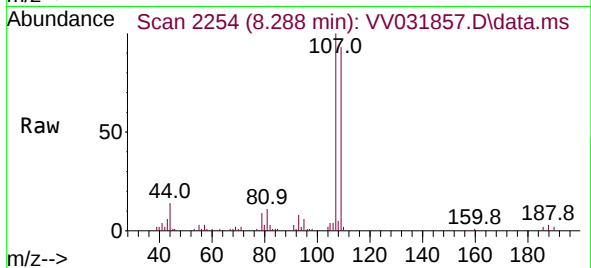
Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	23092
Ion Ratio	Lower	Upper
107	100	
109	93.4	65.4 121.4
188	2.8	2.8 4.2



#51

Chlorobenzene

Concen: 9.710 ug/L

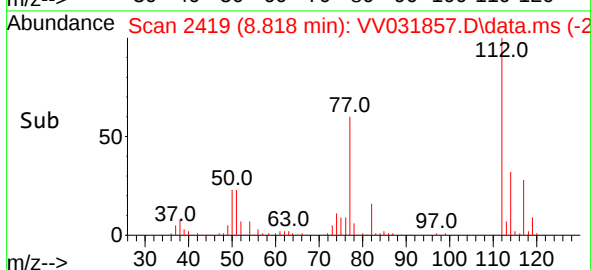
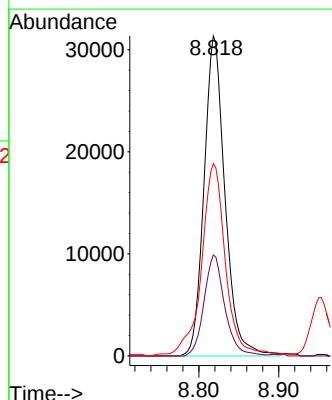
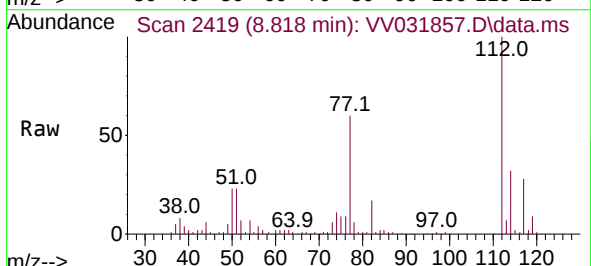
RT: 8.818 min Scan# 2419

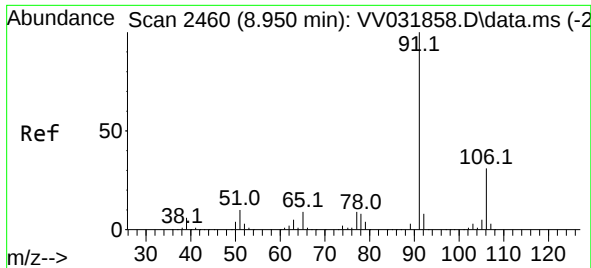
Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Tgt Ion:112	Resp:	57176
Ion Ratio	Lower	Upper
112	100	
114	31.6	22.0 40.8
77	60.1	49.4 74.0

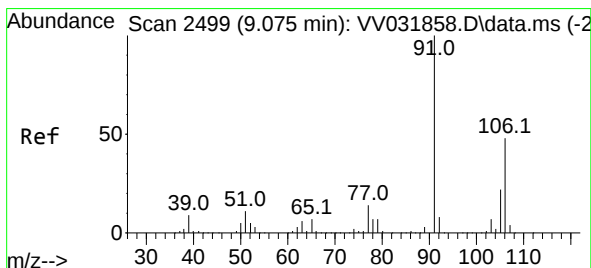
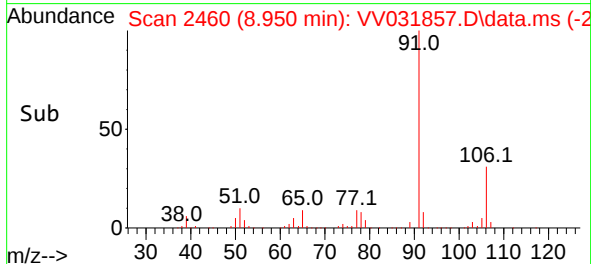
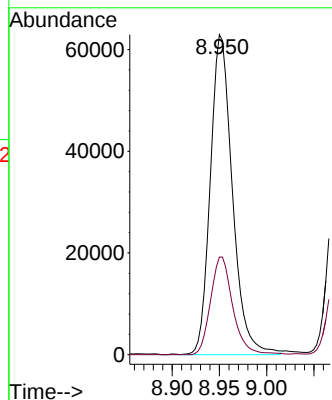
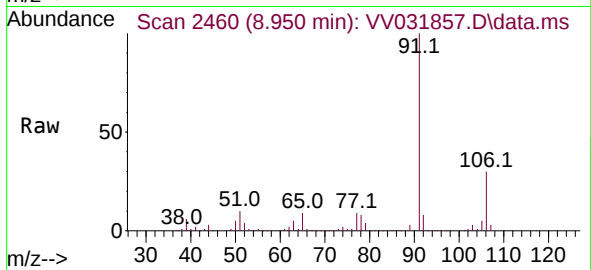




#52
Ethylbenzene
Concen: 10.588 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

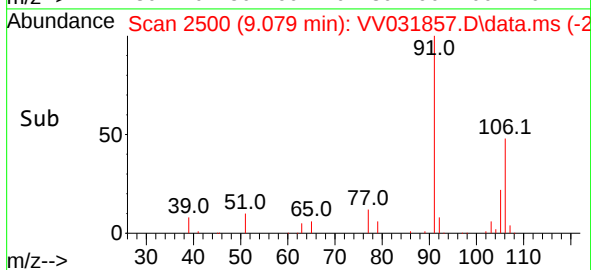
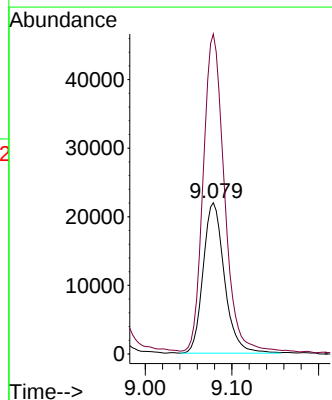
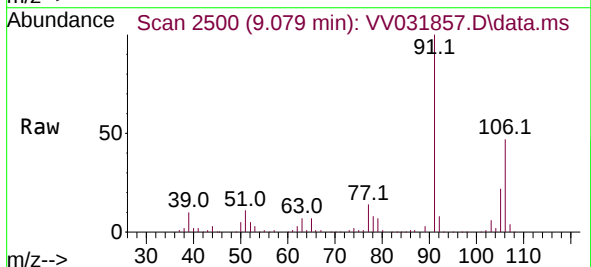
Instrument :
MSVOA_V
ClientSampleId :

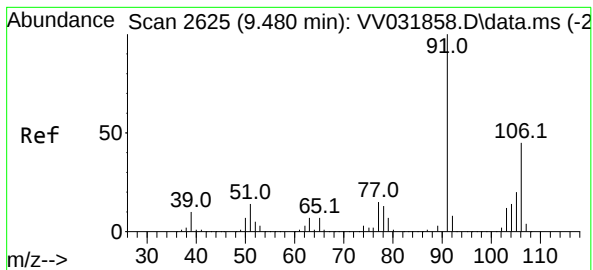
Tgt Ion: 91 Resp: 102278
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 11.123 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion:106 Resp: 37375
Ion Ratio Lower Upper
106 100
91 211.6 147.0 273.0





#54

o-Xylene

Concen: 12.058 ug/L

RT: 9.484 min Scan# 2625

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

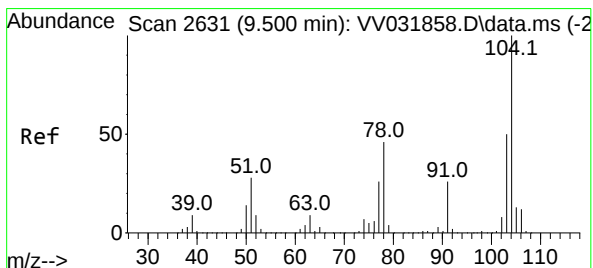
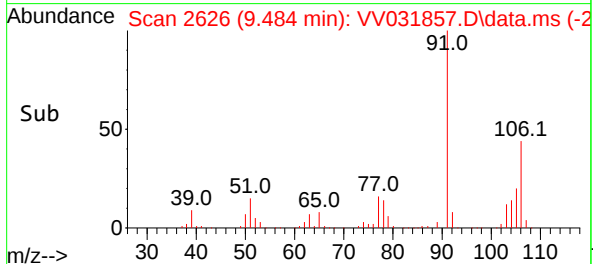
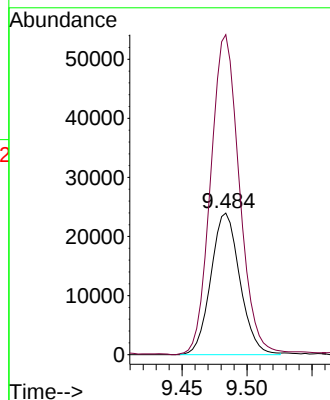
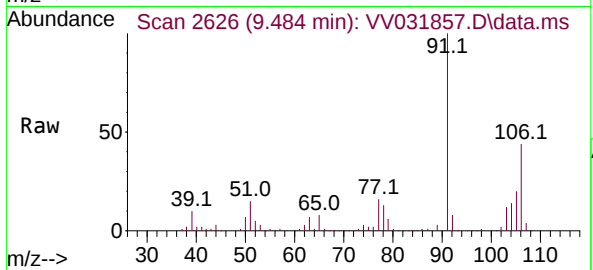
ClientSampleId :

Tgt Ion:106 Resp: 37187

Ion Ratio Lower Upper

106 100

91 225.9 154.3 286.5



#55

Styrene

Concen: 11.791 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.000 min

Lab File: VV031857.D

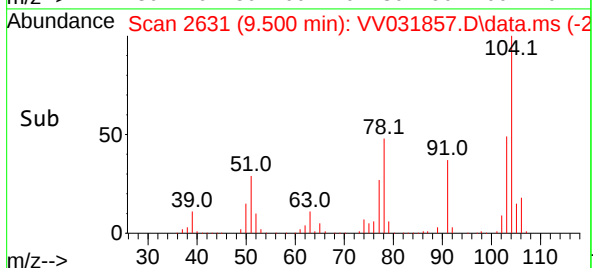
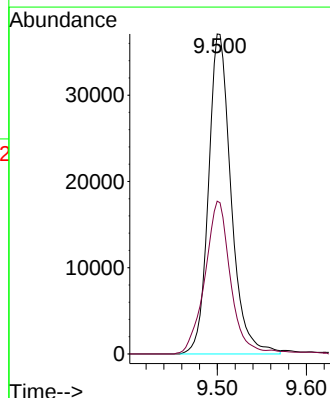
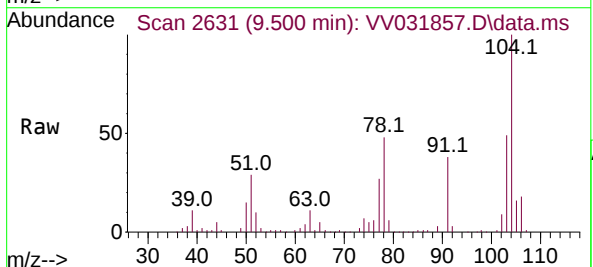
Acq: 23 Aug 2023 09:58

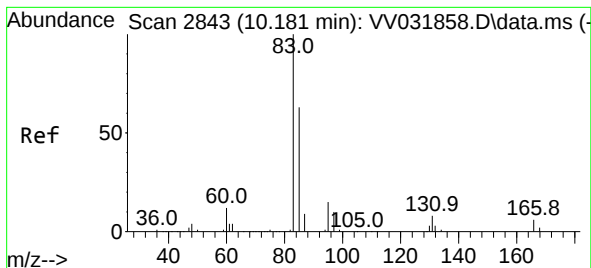
Tgt Ion:104 Resp: 65162

Ion Ratio Lower Upper

104 100

78 47.8 32.3 59.9

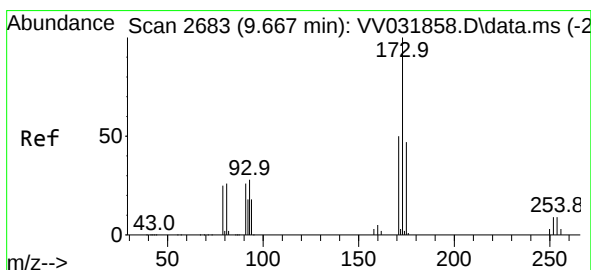
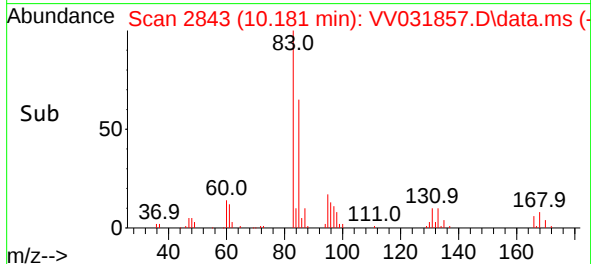
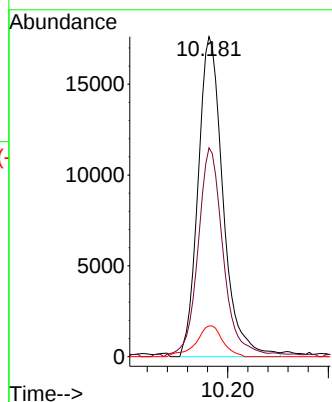
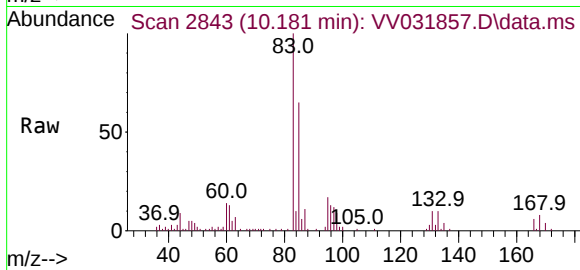




#57
1,1,2,2-Tetrachloroethane
Concen: 9.697 ug/L
RT: 10.181 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

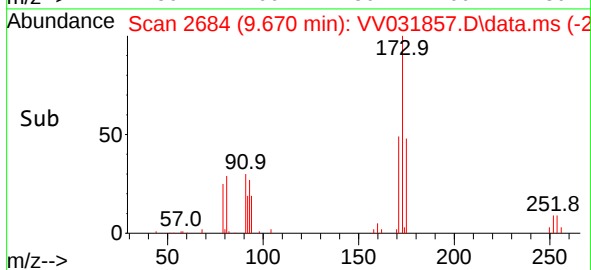
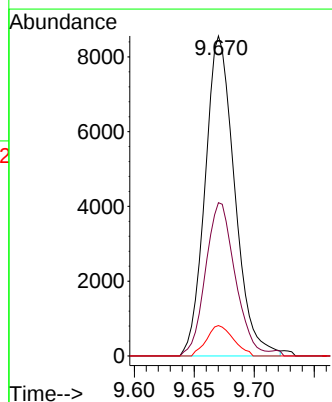
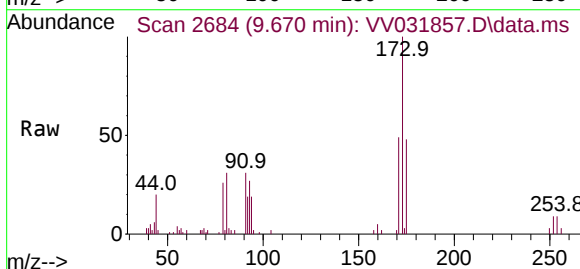
Instrument :
MSVOA_V
ClientSampleId :

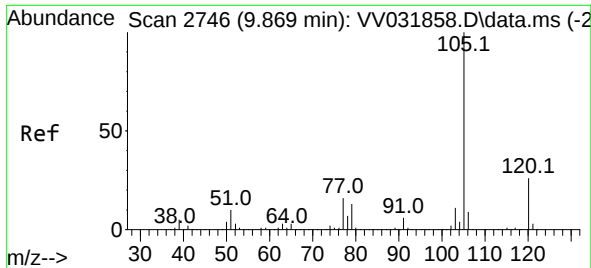
Tgt Ion: 83 Resp: 30364
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9
131 9.6 7.4 11.2



#59
Bromoform
Concen: 8.496 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion: 173 Resp: 14642
Ion Ratio Lower Upper
173 100
175 48.1 38.3 57.5
254 8.6 6.9 10.3

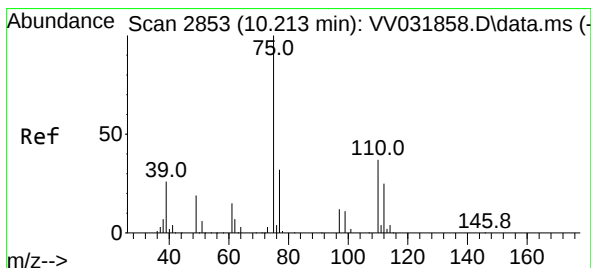
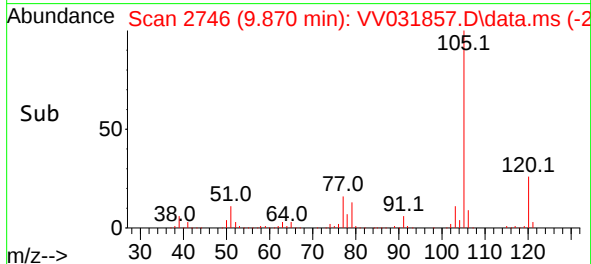
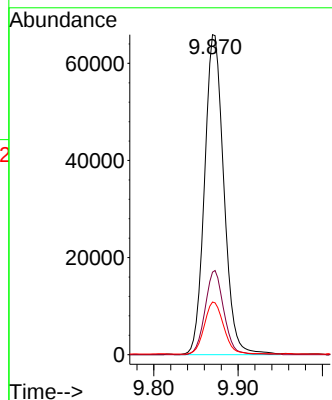
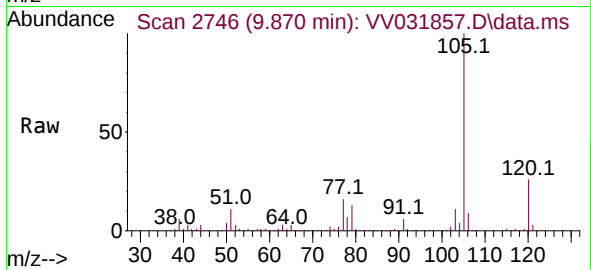




#60
Isopropylbenzene
Concen: 12.523 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

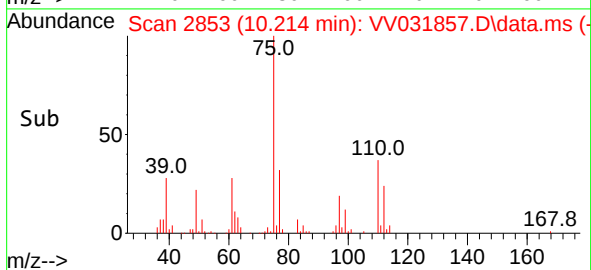
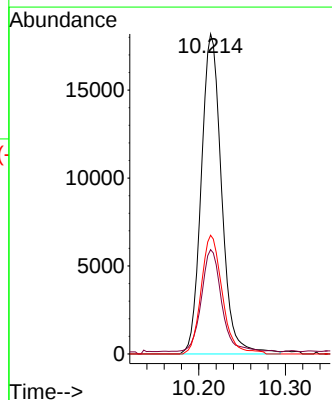
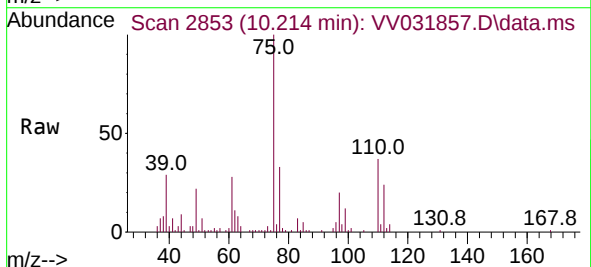
Instrument :
MSVOA_V
ClientSampleId :

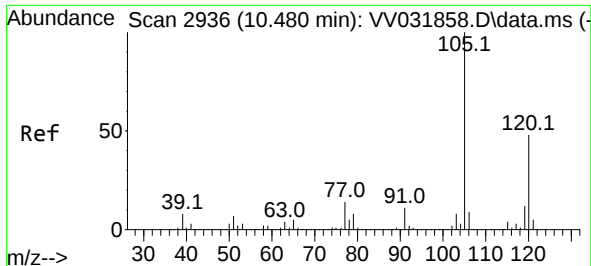
Tgt Ion:105 Resp: 105364
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0
77 16.3 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 10.430 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031857.D
Acq: 23 Aug 2023 09:58

Tgt Ion: 75 Resp: 29620
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5
110 38.0 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 12.906 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

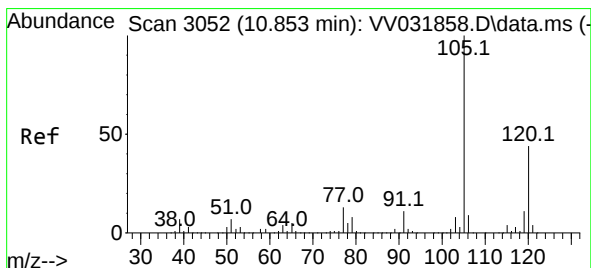
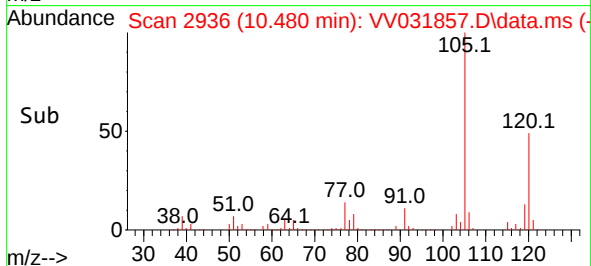
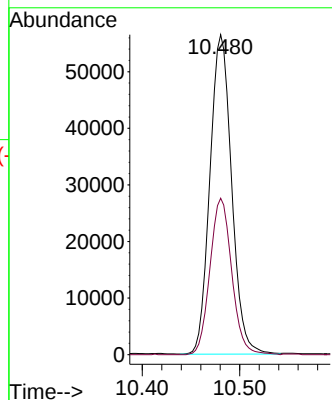
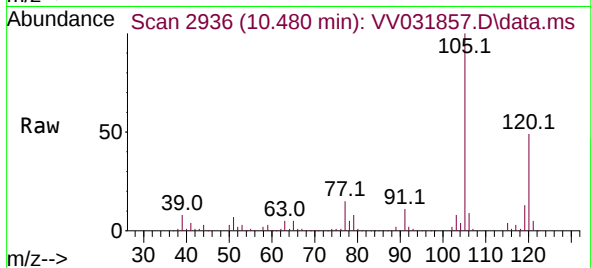
ClientSampleId :

Tgt Ion:105 Resp: 87330

Ion Ratio Lower Upper

105 100

120 49.1 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 12.859 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV031857.D

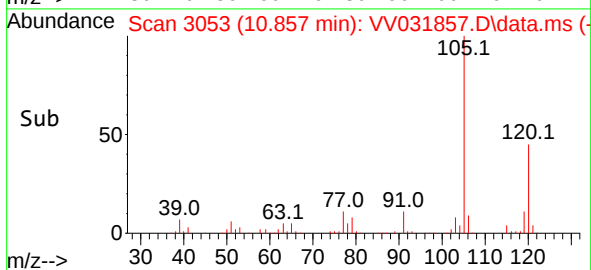
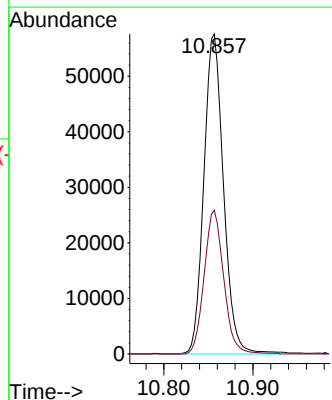
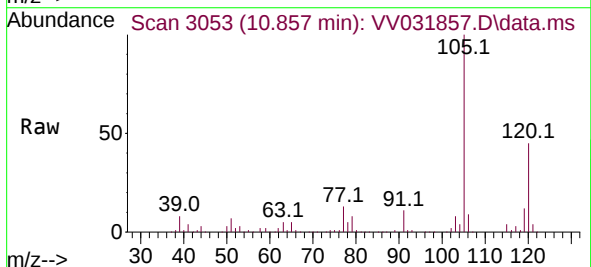
Acq: 23 Aug 2023 09:58

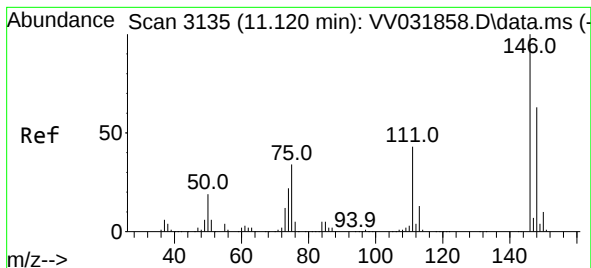
Tgt Ion:105 Resp: 88289

Ion Ratio Lower Upper

105 100

120 44.6 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 10.468 ug/L

RT: 11.123 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

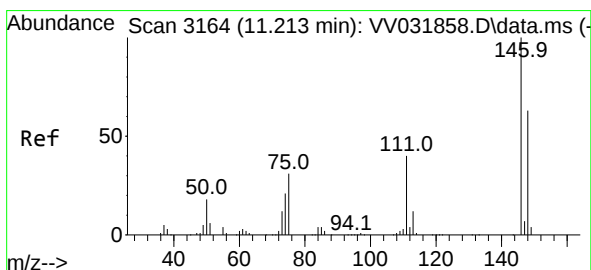
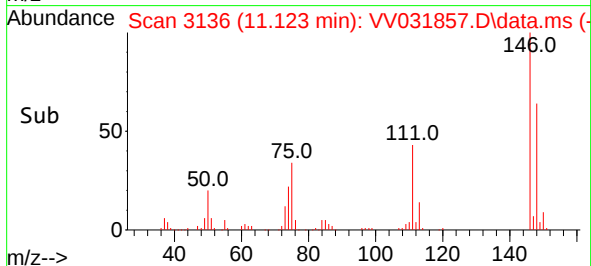
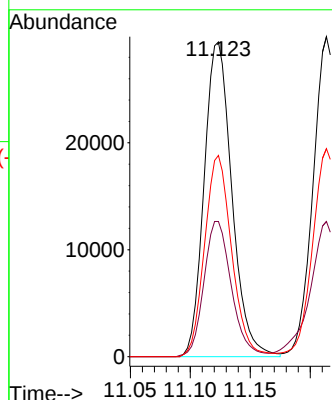
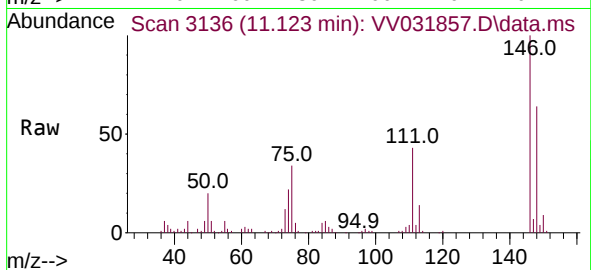
Tgt Ion:146 Resp: 47375

Ion Ratio Lower Upper

146 100

111 43.0 30.2 56.0

148 64.0 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 9.908 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

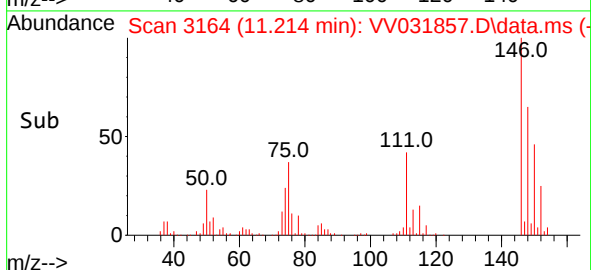
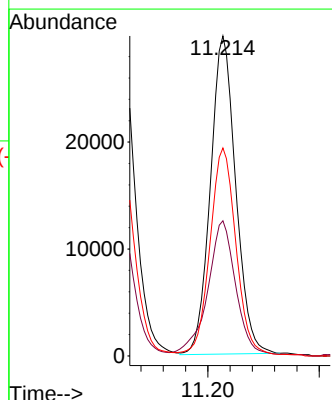
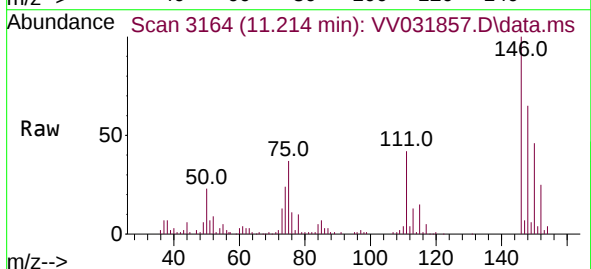
Tgt Ion:146 Resp: 46901

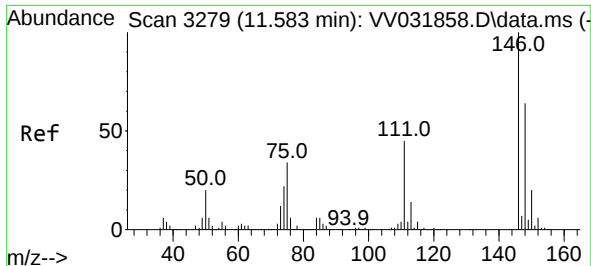
Ion Ratio Lower Upper

146 100

111 42.2 28.5 52.9

148 65.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 10.068 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

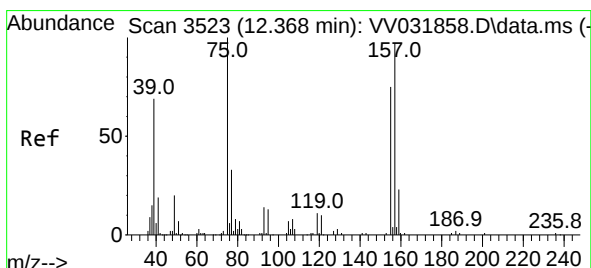
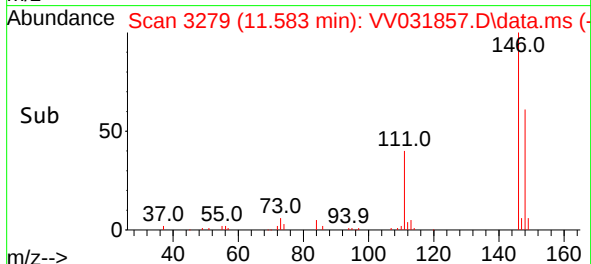
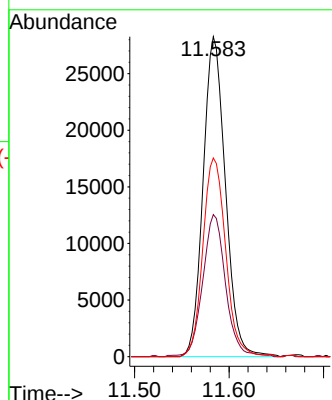
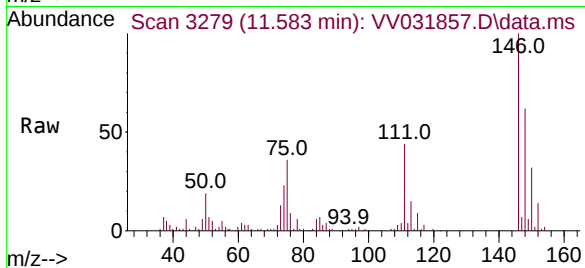
Tgt Ion:146 Resp: 46308

Ion Ratio Lower Upper

146 100

111 44.4 35.8 53.6

148 62.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 9.353 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

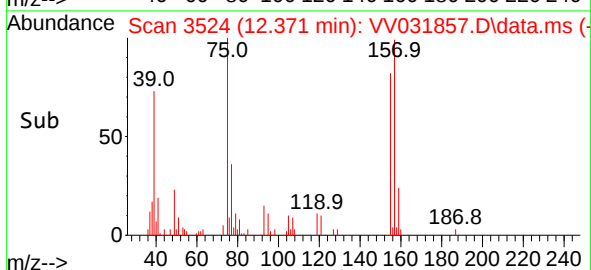
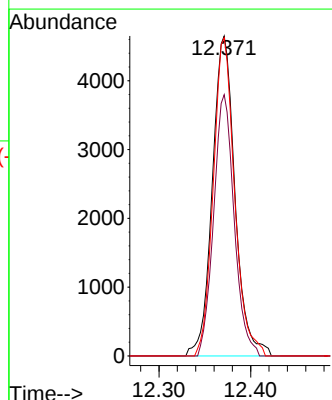
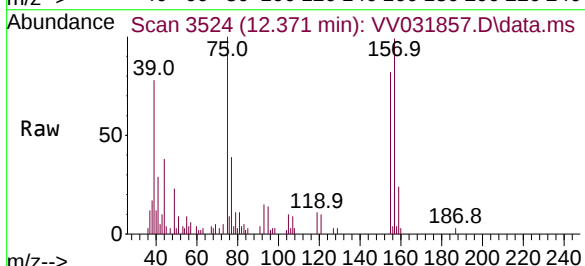
Tgt Ion: 75 Resp: 7963

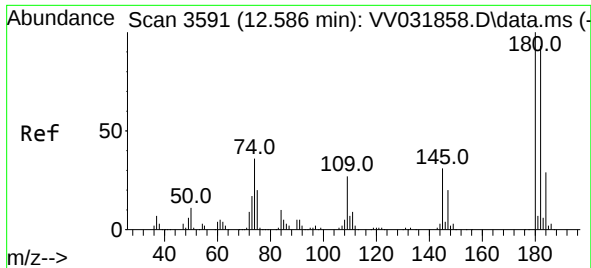
Ion Ratio Lower Upper

75 100

155 81.7 60.1 90.1

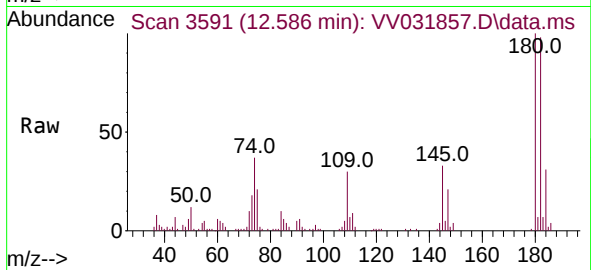
157 99.5 77.3 115.9



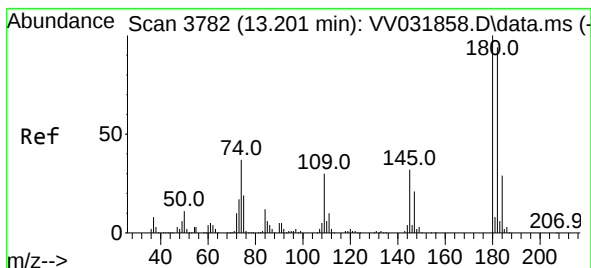
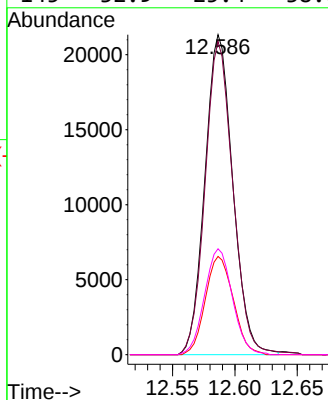
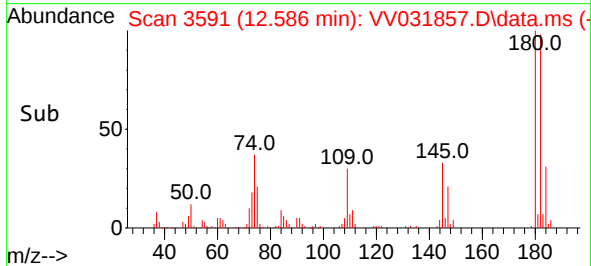


#69
 1,3,5-Trichlorobenzene
 Concen: 8.851 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. 0.000 min
 Lab File: VV031857.D
 Acq: 23 Aug 2023 09:58

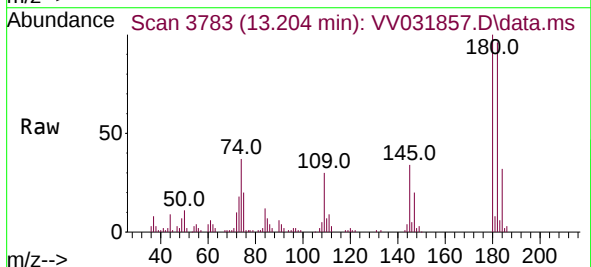
Instrument :
 MSVOA_V
 ClientSampleId :



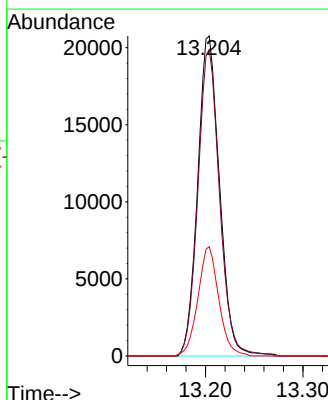
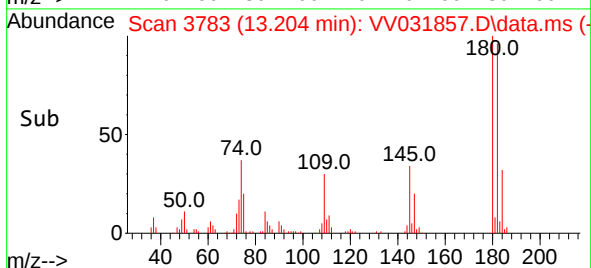
Tgt Ion:180	Resp:	33279
Ion Ratio	Lower	Upper
180	100	
182	97.3	75.4 113.2
184	30.7	23.7 35.5
145	32.9	25.4 38.0

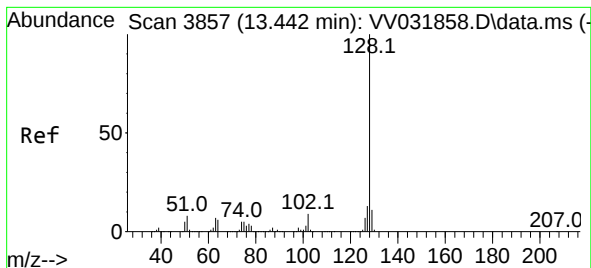


#70
 1,2,4-trichlorobenzene
 Concen: 8.856 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.003 min
 Lab File: VV031857.D
 Acq: 23 Aug 2023 09:58



Tgt Ion:180	Resp:	32313
Ion Ratio	Lower	Upper
180	100	
182	94.9	75.4 113.2
145	32.6	26.0 39.0





#71

Naphthalene

Concen: 9.592 ug/L

RT: 13.445 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

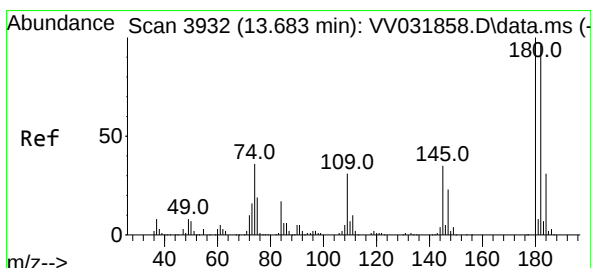
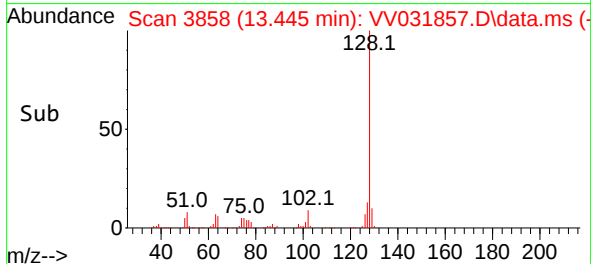
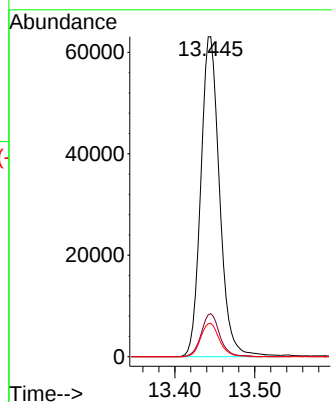
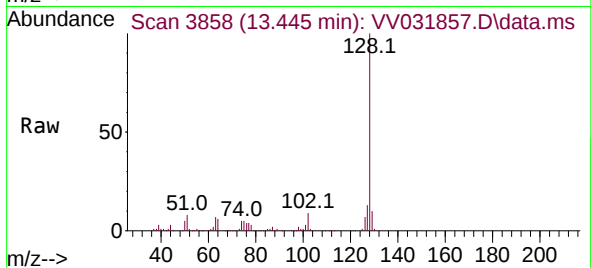
Tgt Ion:128 Resp: 103211

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.4 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 8.179 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.003 min

Lab File: VV031857.D

Acq: 23 Aug 2023 09:58

Tgt Ion:180 Resp: 31125

Ion Ratio Lower Upper

180 100

182 94.3 76.7 115.1

145 35.5 27.7 41.5

