

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV083123\
 Data File : VV031956.D
 Acq On : 31 Aug 2023 12:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 01 00:55:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 26 00:50:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	263908	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	257002	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	141817	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	91504	55.402	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.800%
7) Chloroethane-d5	1.532	69	69937	48.304	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.059	65	38197	49.390	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.780%
21) 2-Butanone-d5	3.789	46	126125	97.094	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.090%
24) Chloroform-d	4.249	84	161970	44.867	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
26) 1,2-Dichloroethane-d4	4.944	65	103305	43.120	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.240%
32) Benzene-d6	4.960	84	336497	47.983	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
36) 1,2-Dichloropropane-d6	5.989	67	107700	47.714	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.420%
41) Toluene-d8	7.243	98	309163	47.846	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.700%
43) trans-1,3-Dichloroprop...	7.551	79	56253	48.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.160%
47) 2-Hexanone-d5	8.027	63	88409	127.791	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.790%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	135952	46.610	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.220%
66) 1,2-Dichlorobenzene-d4	11.564	152	116207	44.950	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	73044	45.465	ug/L	99
3) Chloromethane	1.217	50	81348	49.655	ug/L	99
5) Vinyl chloride	1.285	62	85960	49.132	ug/L	100
6) Bromomethane	1.487	94	49682	48.229	ug/L	100
8) Chloroethane	1.548	64	57122	49.127	ug/L	99
9) Trichlorofluoromethane	1.715	101	120654	47.308	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76534	49.701	ug/L	99
12) 1,1-Dichloroethene	2.072	96	66893	48.363	ug/L	88
13) Acetone	2.117	43	122608	106.045	ug/L	100
14) Carbon disulfide	2.243	76	160076	50.792	ug/L	100
15) Methyl Acetate	2.375	43	106887	51.836	ug/L	98
16) Methylene chloride	2.449	84	89888	50.572	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	73998	48.799	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	309580	48.306	ug/L	98
19) 1,1-Dichloroethane	3.114	63	170815	50.265	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	93527	49.161	ug/L	97
22) 2-Butanone	3.870	43	156054	102.003	ug/L	97
23) Bromochloromethane	4.149	128	45222	48.995	ug/L	95
25) Chloroform	4.275	83	166689	47.177	ug/L	99

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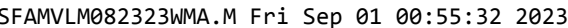
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 ClientSampleId :

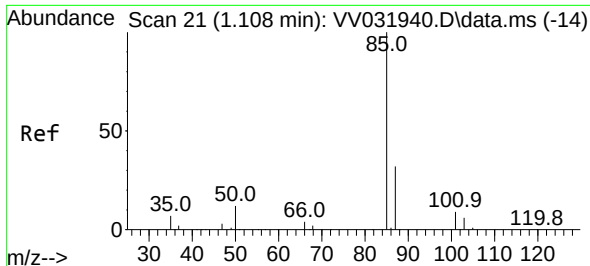
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 Quant Title : VOC Analysis
 QLast Update : Sat Aug 26 00:50:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	131690	47.309	ug/L	99
29) Cyclohexane	4.584	56	137859	51.519	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	139859	46.655	ug/L	99
31) Carbon tetrachloride	4.735	117	118160	46.419	ug/L	99
33) Benzene	5.011	78	343501	49.744	ug/L	100
34) Trichloroethene	5.834	95	94646	44.816	ug/L	99
35) Methylcyclohexane	6.053	83	136699	48.664	ug/L	96
37) 1,2-Dichloropropane	6.095	63	100375	51.282	ug/L	99
38) Bromodichloromethane	6.432	83	130940	47.131	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	163162	47.947	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	316291	101.811	ug/L	98
42) Toluene	7.317	91	374853	49.348	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	159534	48.792	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	96801	48.953	ug/L	99
46) Tetrachloroethene	7.908	164	64233	48.438	ug/L	97
48) 2-Hexanone	8.079	43	245894	103.645	ug/L	98
49) Dibromochloromethane	8.178	129	96885	47.679	ug/L	100
50) 1,2-Dibromoethane	8.284	107	96360	46.525	ug/L	99
51) Chlorobenzene	8.815	112	248361	49.206	ug/L	99
52) Ethylbenzene	8.947	91	434556	48.295	ug/L	99
53) m,p-Xylene	9.075	106	160173	47.943	ug/L	98
54) o-Xylene	9.480	106	160413	48.277	ug/L	99
55) Styrene	9.496	104	284585	48.448	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	148534	53.061	ug/L	99
59) Bromoform	9.667	173	68900	46.851	ug/L	98
60) Isopropylbenzene	9.869	105	441969	46.530	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	123867	46.231	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	367231	45.954	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	370411	46.077	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	199119	46.775	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	204014	47.131	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	198042	46.949	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	35826	44.515	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	148576	47.876	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	142081	47.697	ug/L	99
71) Naphthalene	13.442	128	447070	46.975	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	134902	47.261	ug/L	98

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

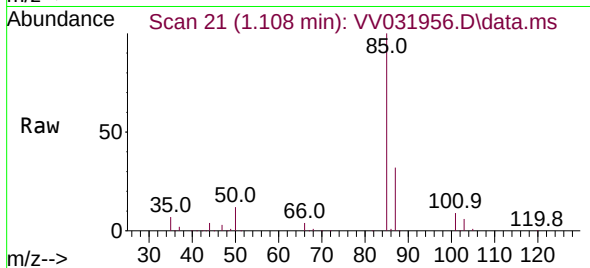
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
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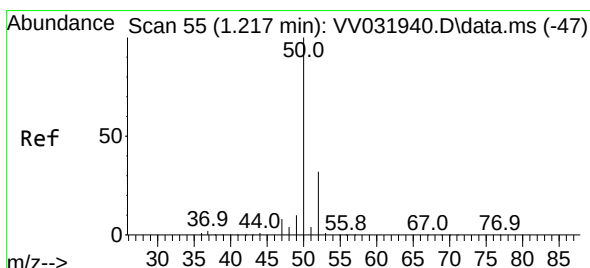
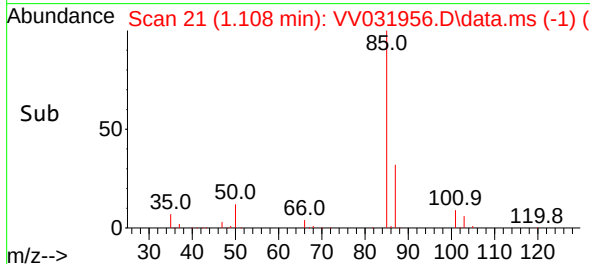
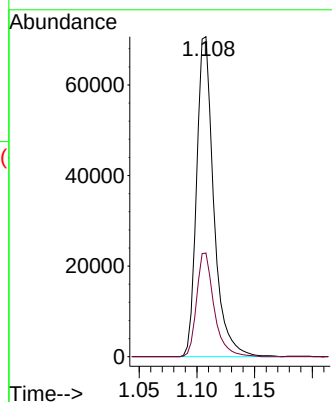


#2
 Dichlorodifluoromethane
 Concen: 45.465 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031956.D
 Acq: 31 Aug 2023 12:55

Instrument :
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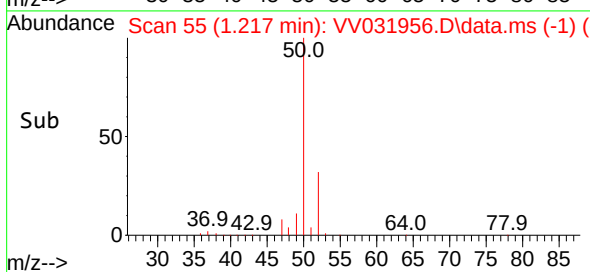
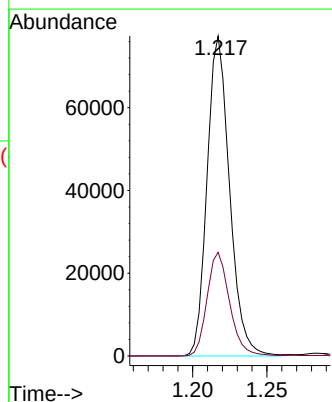
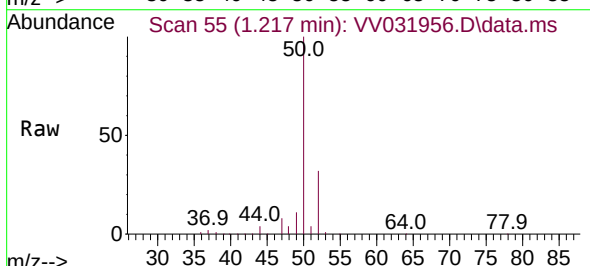


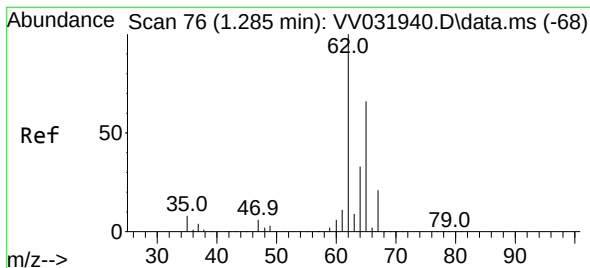
Tgt Ion: 85 Resp: 73044
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.8 40.2



#3
 Chloromethane
 Concen: 49.655 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031956.D
 Acq: 31 Aug 2023 12:55

Tgt Ion: 50 Resp: 81348
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.0 42.6





#5

Vinyl chloride

Concen: 49.132 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

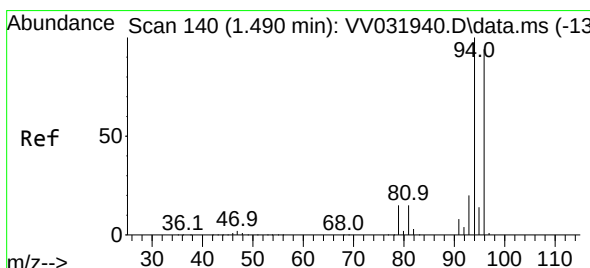
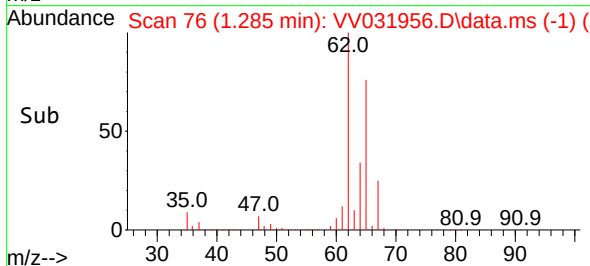
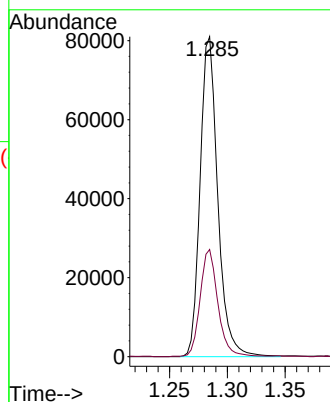
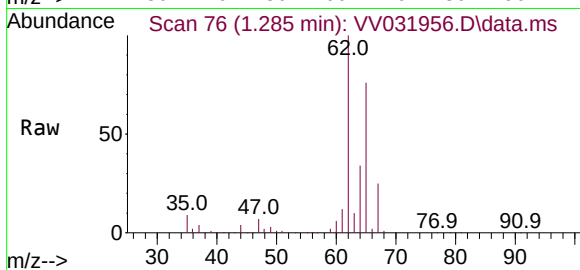
ClientSampleId :

Tgt Ion: 62 Resp: 85960

Ion Ratio Lower Upper

62 100

64 33.5 23.6 43.8



#6

Bromomethane

Concen: 48.229 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV031956.D

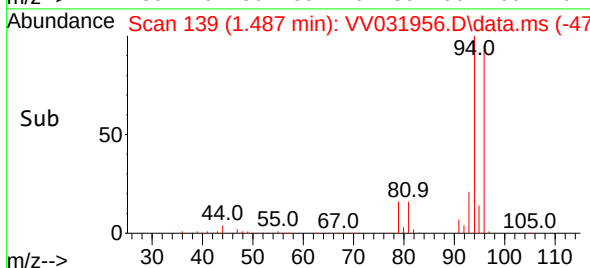
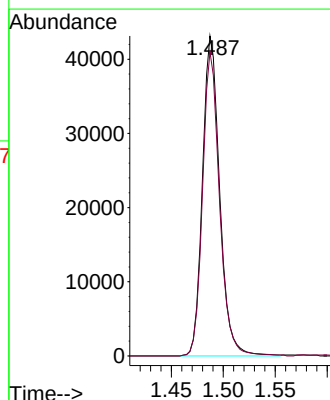
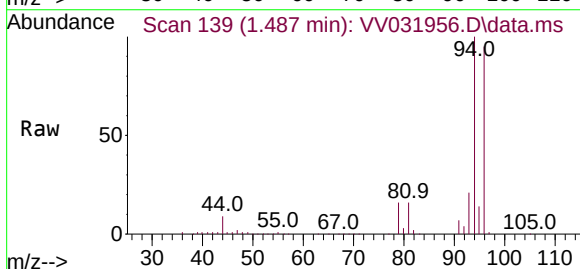
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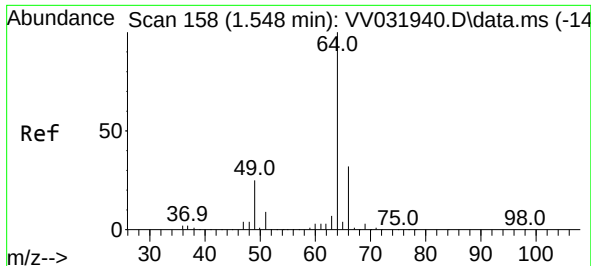
Tgt Ion: 94 Resp: 49682

Ion Ratio Lower Upper

94 100

96 95.0 66.4 123.4

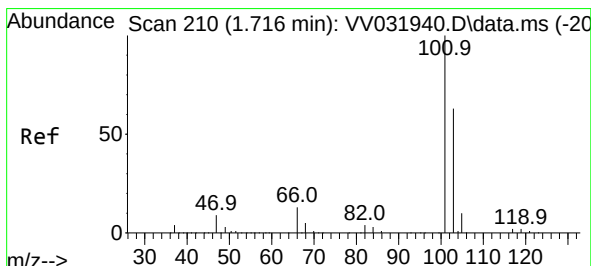
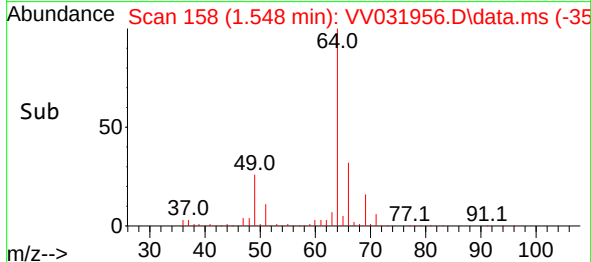
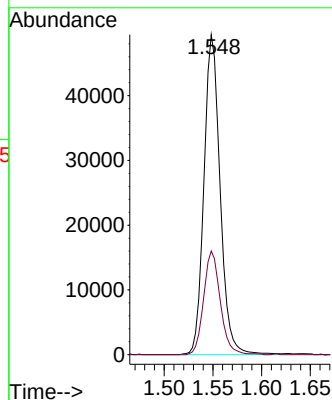
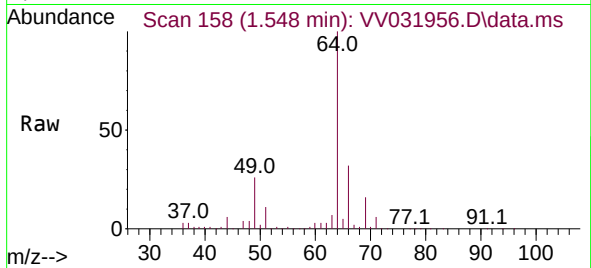




#8
Chloroethane
Concen: 49.127 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

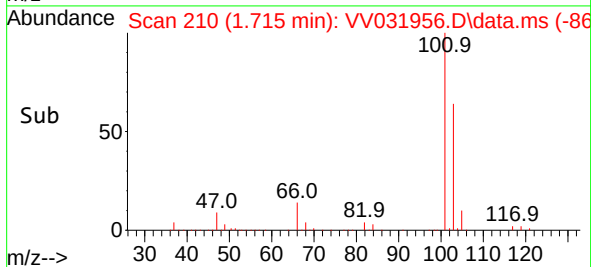
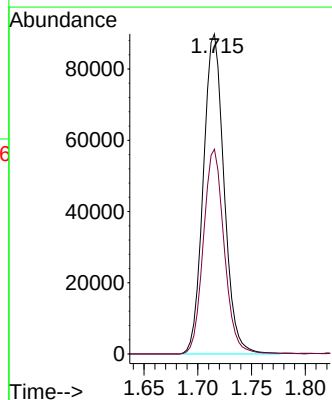
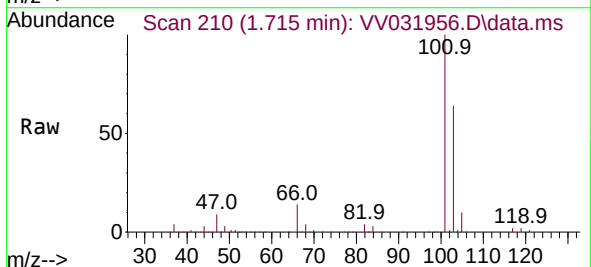
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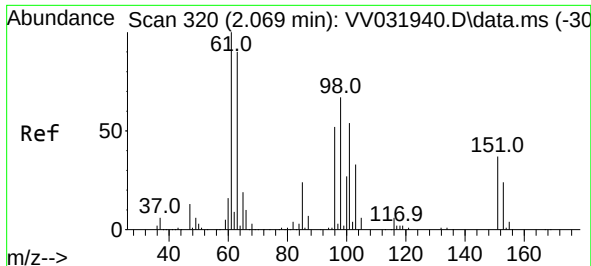
Tgt Ion: 64 Resp: 57122
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 47.308 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion:101 Resp: 120654
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9

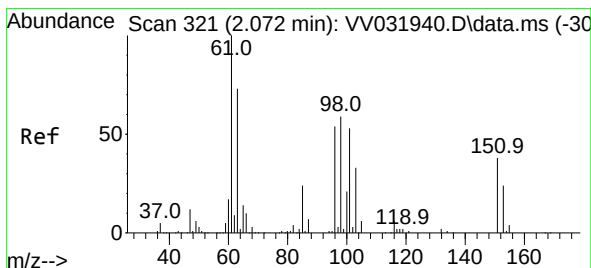
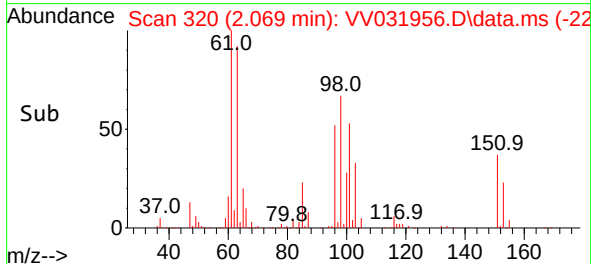
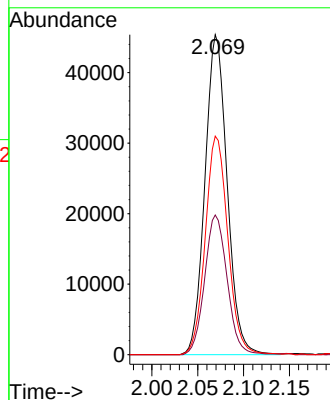
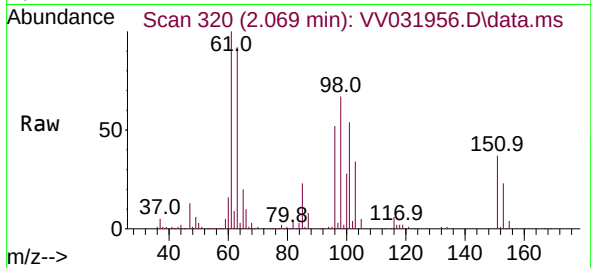




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.701 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031956.D
 Acq: 31 Aug 2023 12:55

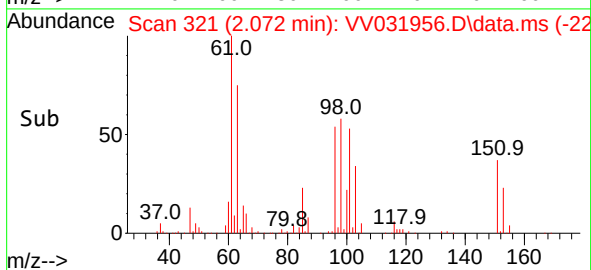
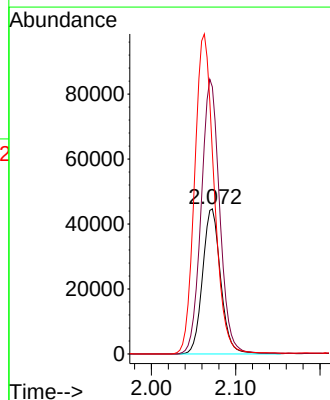
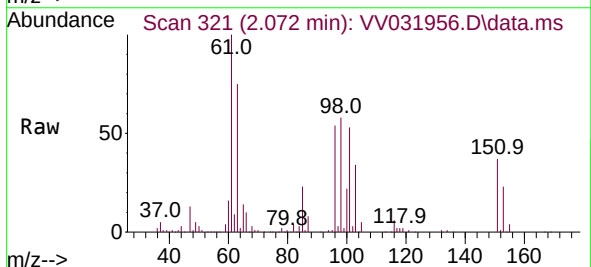
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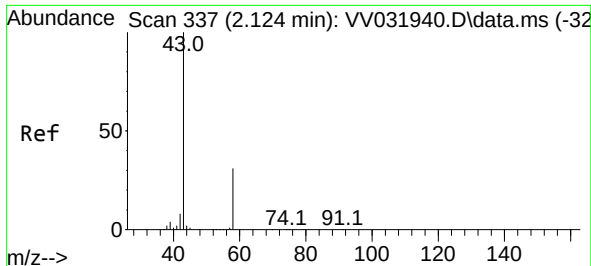
Tgt Ion:101 Resp: 76534
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.8 53.8
 151 69.4 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 48.363 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031956.D
 Acq: 31 Aug 2023 12:55

Tgt Ion: 96 Resp: 66893
 Ion Ratio Lower Upper
 96 100
 61 184.0 133.8 248.6
 63 138.7 115.2 214.0





#13

Acetone

Concen: 106.045 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

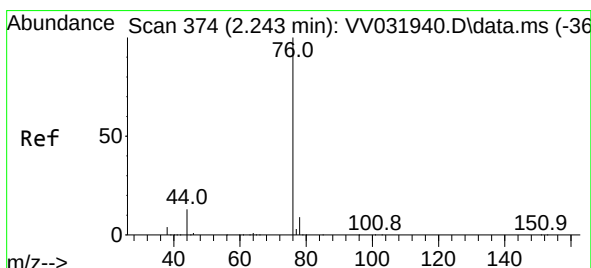
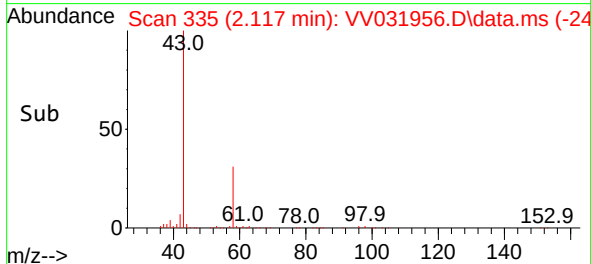
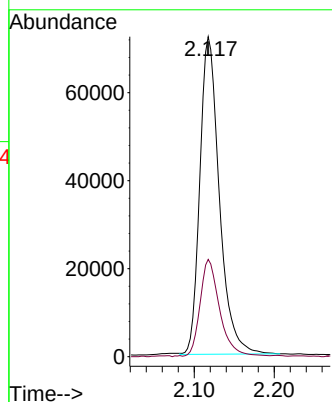
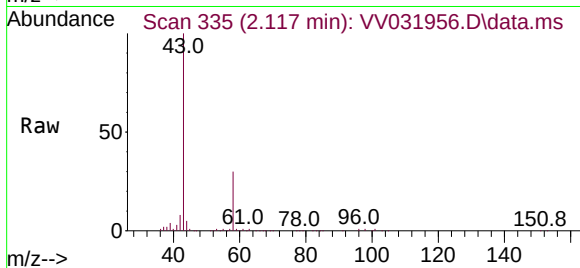
ClientSampleId :

Tgt Ion: 43 Resp: 122608

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.0



#14

Carbon disulfide

Concen: 50.792 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031956.D

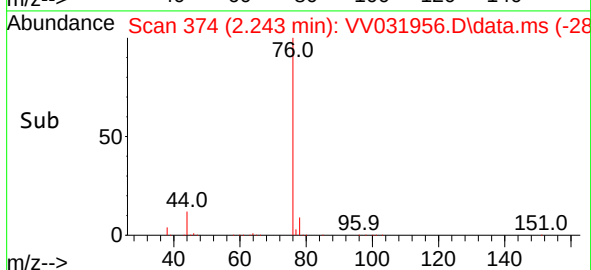
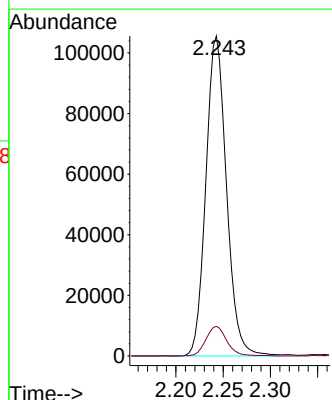
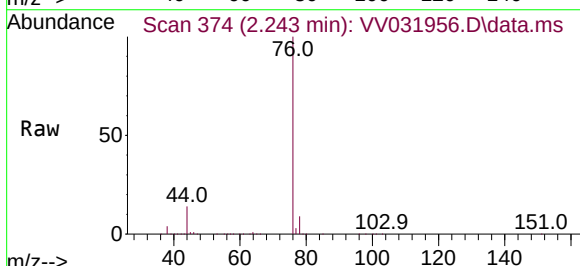
Acq: 31 Aug 2023 12:55

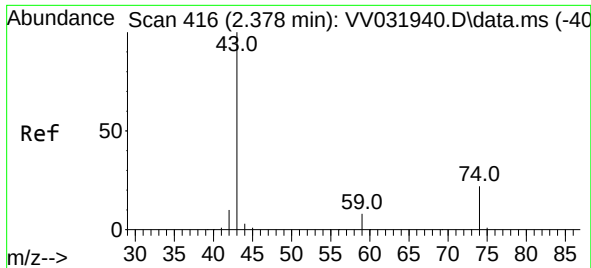
Tgt Ion: 76 Resp: 160076

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

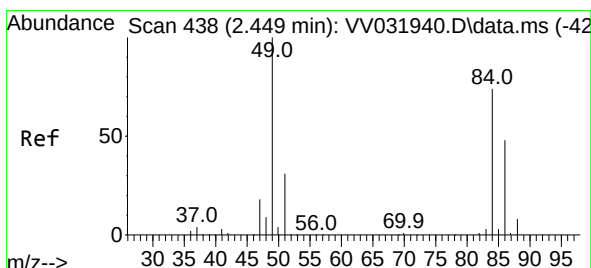
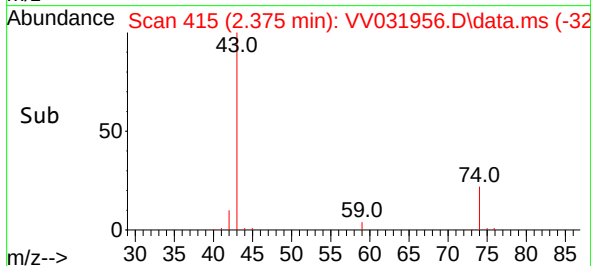
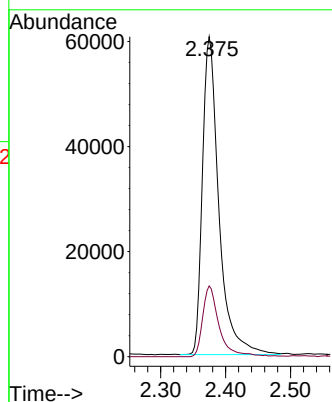
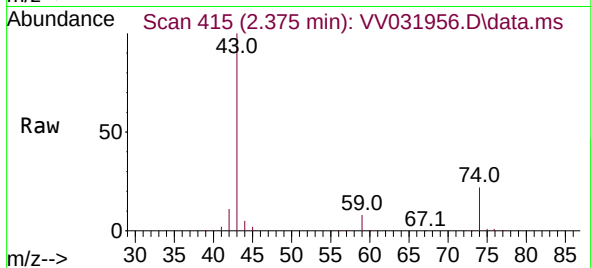




#15
Methyl Acetate
Concen: 51.836 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

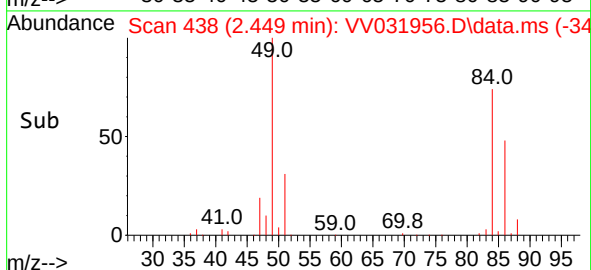
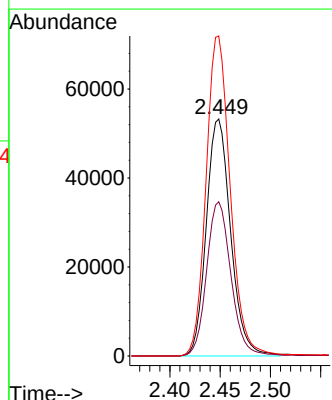
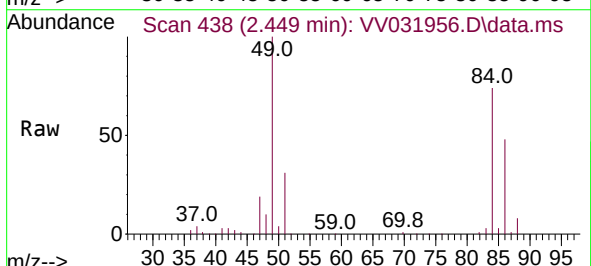
Instrument :
MSVOA_V
ClientSampleId :

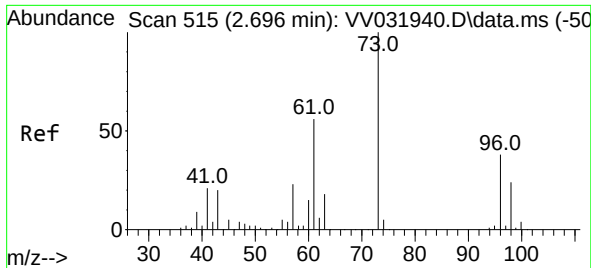
Tgt Ion: 43 Resp: 106887
Ion Ratio Lower Upper
43 100
74 21.5 17.9 26.9



#16
Methylene chloride
Concen: 50.572 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion: 84 Resp: 89888
Ion Ratio Lower Upper
84 100
86 65.1 44.6 82.8
49 135.1 91.6 170.2

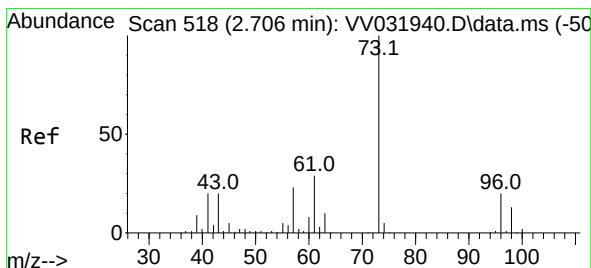
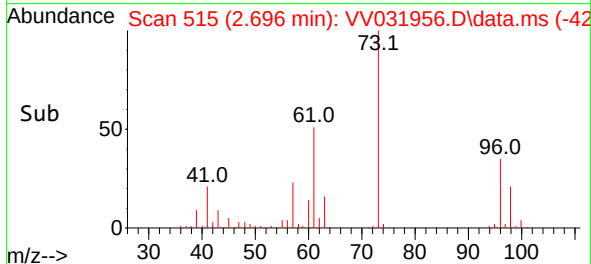
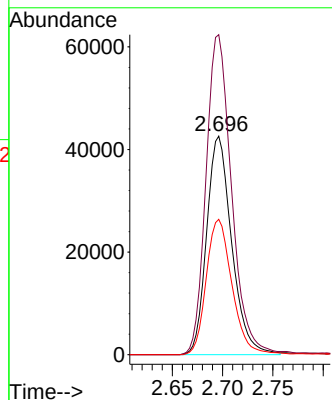
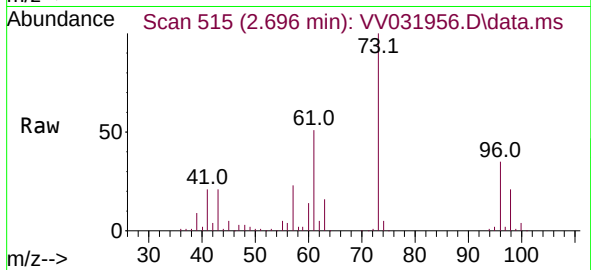




#17
trans-1,2-Dichloroethene
Concen: 48.799 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

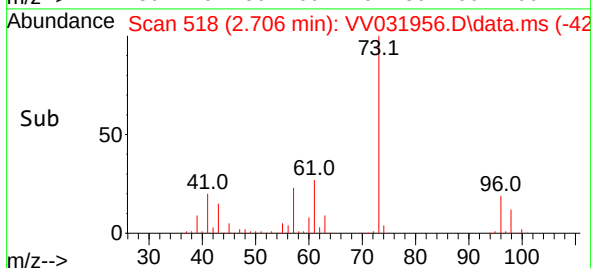
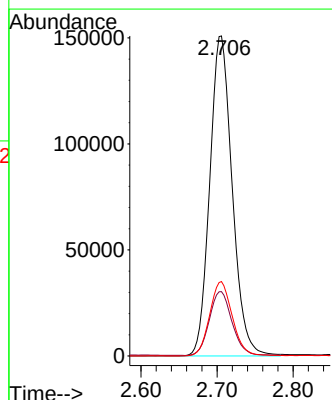
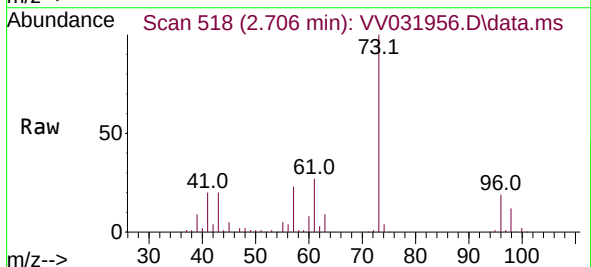
Instrument :
MSVOA_V
ClientSampleId :

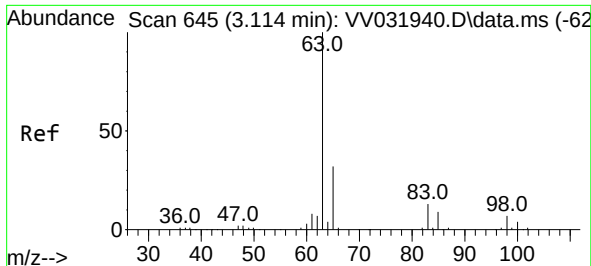
Tgt Ion: 96 Resp: 73998
Ion Ratio Lower Upper
96 100
61 146.4 107.3 199.3
98 61.9 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 48.306 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion: 73 Resp: 309580
Ion Ratio Lower Upper
73 100
43 20.2 16.6 25.0
57 23.4 17.6 26.4





#19

1,1-Dichloroethane

Concen: 50.265 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

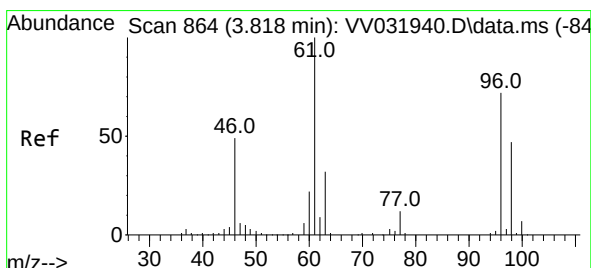
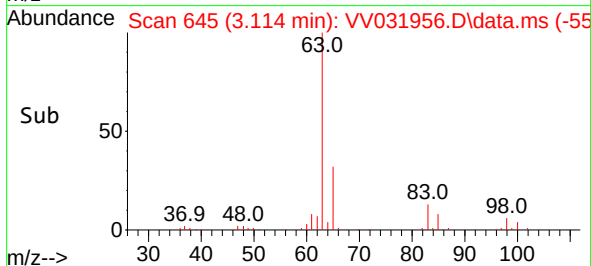
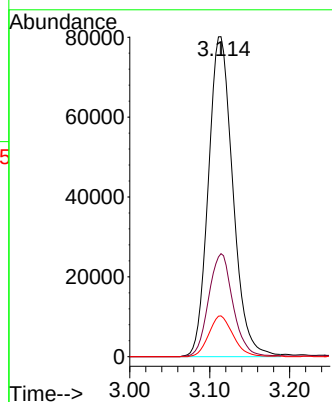
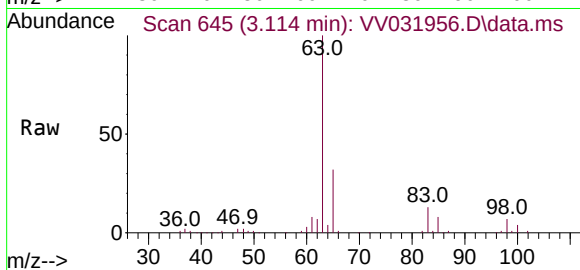
Tgt Ion: 63 Resp: 170815

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

83 12.8 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 49.161 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

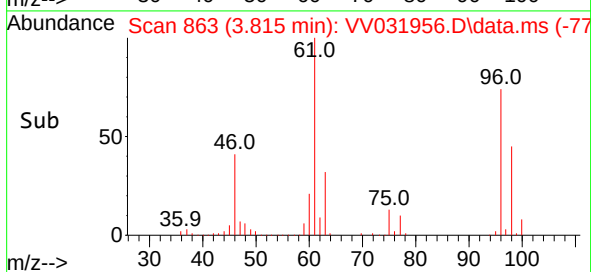
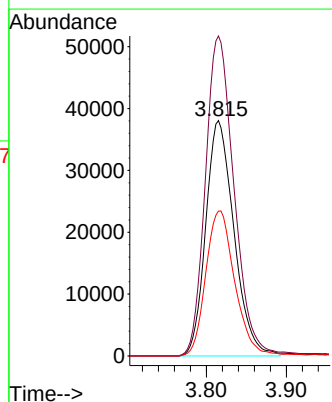
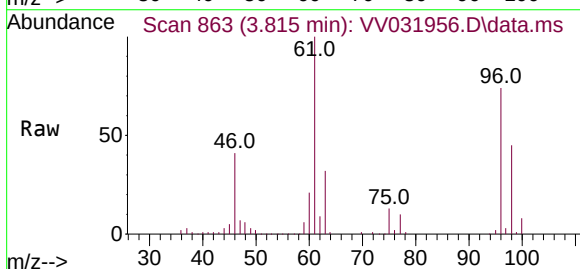
Tgt Ion: 96 Resp: 93527

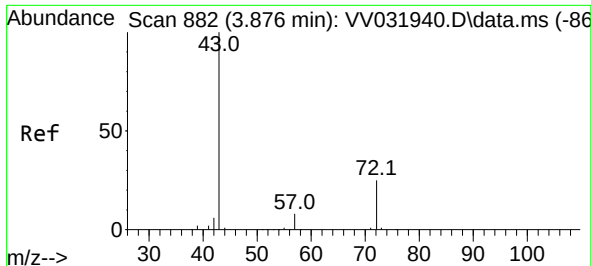
Ion Ratio Lower Upper

96 100

61 135.9 97.3 180.7

98 61.5 45.3 84.1

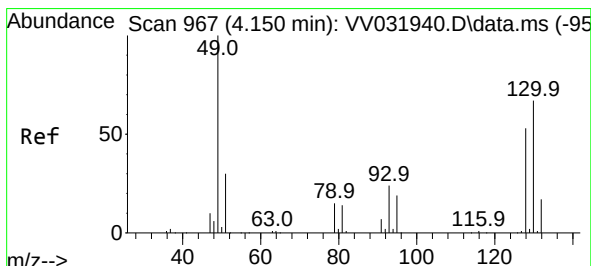
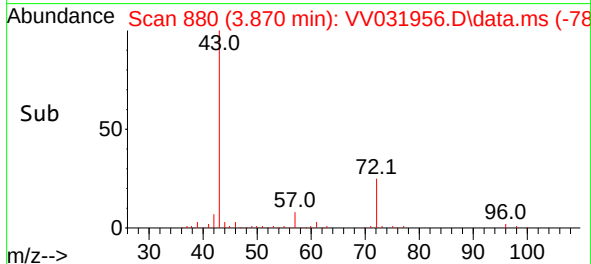
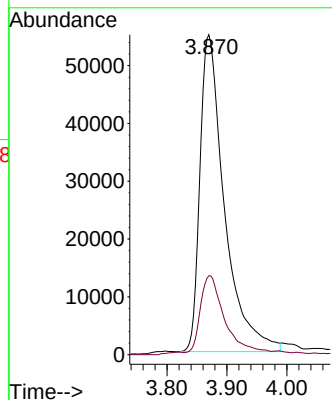
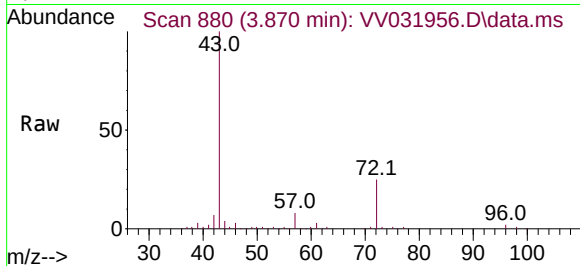




#22
2-Butanone
Concen: 102.003 ug/L
RT: 3.870 min Scan# 882
Delta R.T. -0.006 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

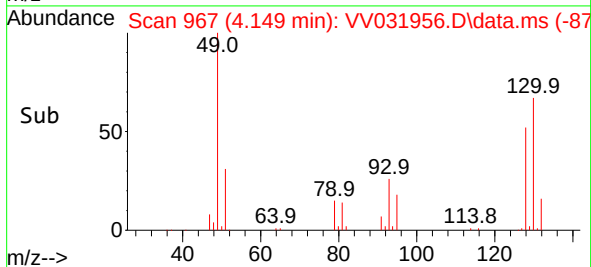
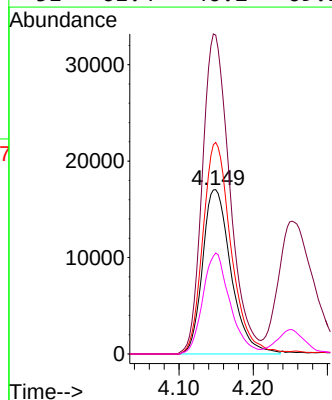
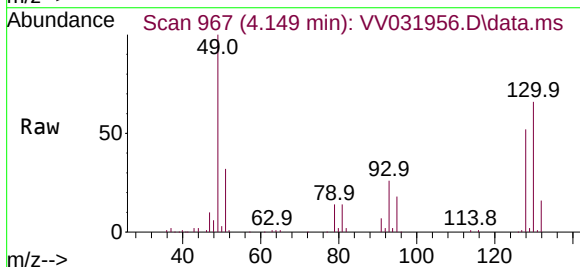
Instrument :
MSVOA_V
ClientSampleId :

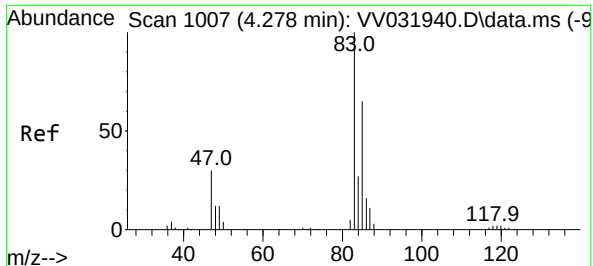
Tgt Ion: 43 Resp: 156054
Ion Ratio Lower Upper
43 100
72 23.9 12.6 37.8



#23
Bromochloromethane
Concen: 48.995 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion:128 Resp: 45222
Ion Ratio Lower Upper
128 100
49 194.1 127.8 237.4
130 128.8 90.1 167.3
51 61.4 46.2 69.2





#25

Chloroform

Concen: 47.177 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

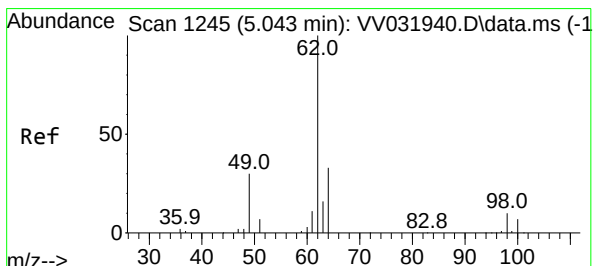
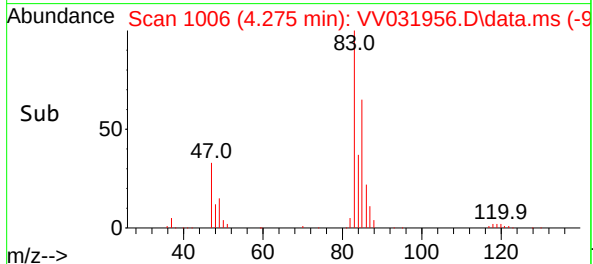
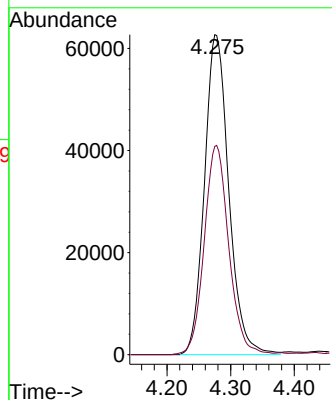
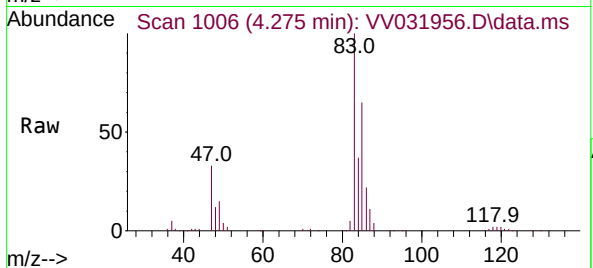
ClientSampleId :

Tgt Ion: 83 Resp: 166689

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 47.309 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV031956.D

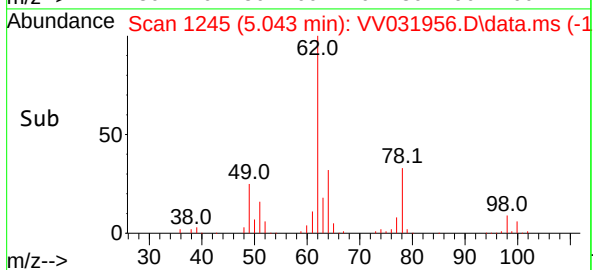
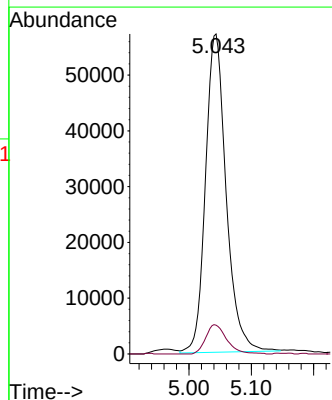
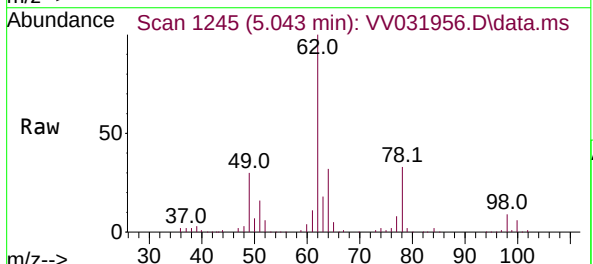
Acq: 31 Aug 2023 12:55

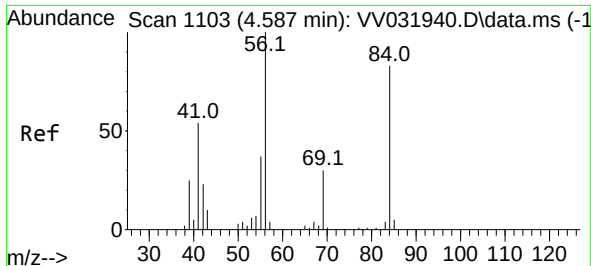
Tgt Ion: 62 Resp: 131690

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.4

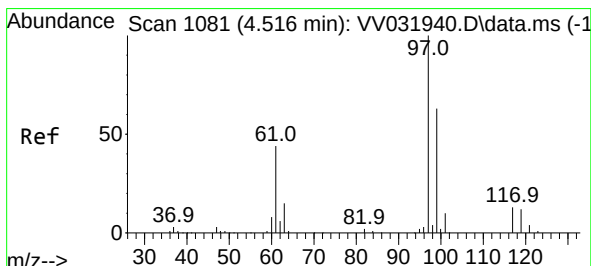
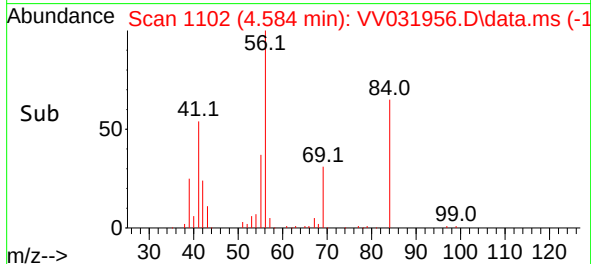
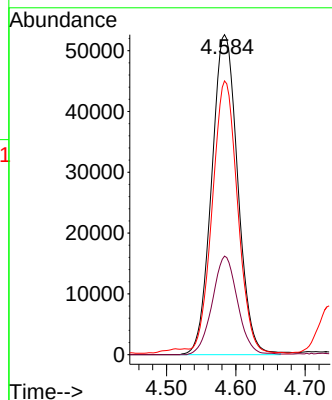
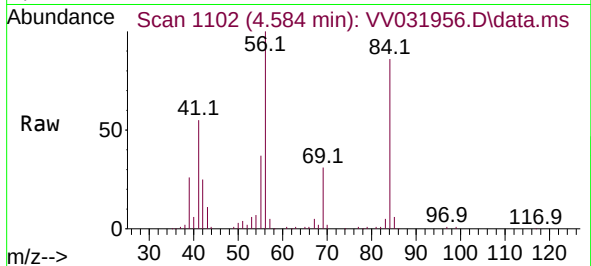




#29
Cyclohexane
Concen: 51.519 ug/L
RT: 4.584 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

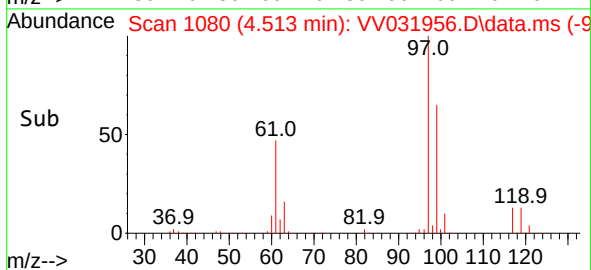
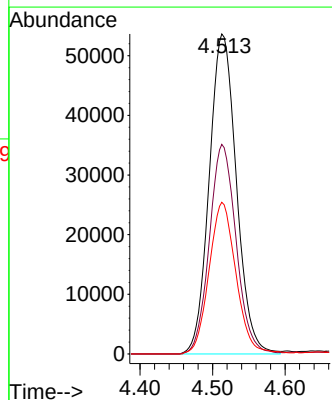
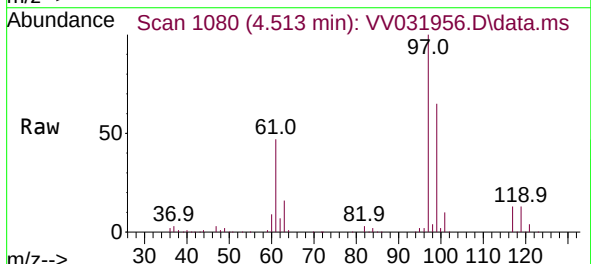
Instrument :
MSVOA_V
ClientSampleId :

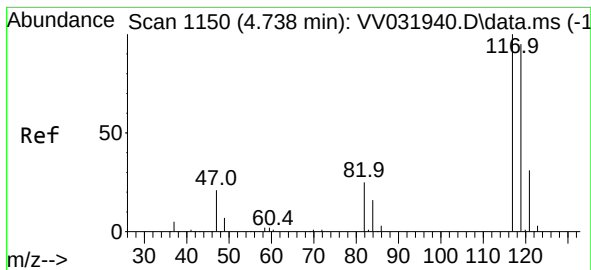
Tgt Ion: 56 Resp: 137859
Ion Ratio Lower Upper
56 100
69 29.9 24.2 36.4
84 81.9 67.5 101.3



#30
1,1,1-Trichloroethane
Concen: 46.655 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion: 97 Resp: 139859
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 47.0 36.5 54.7





#31

Carbon tetrachloride

Concen: 46.419 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

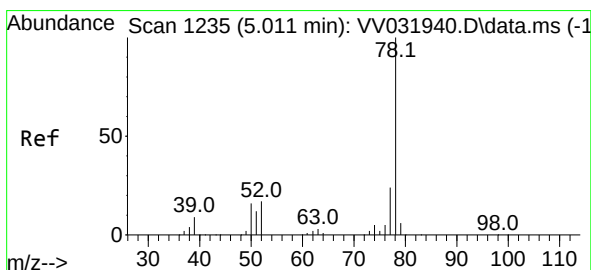
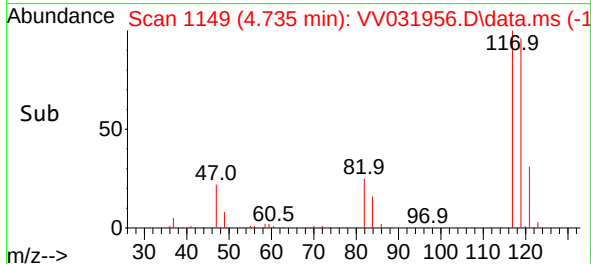
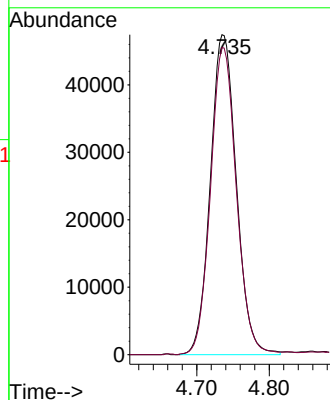
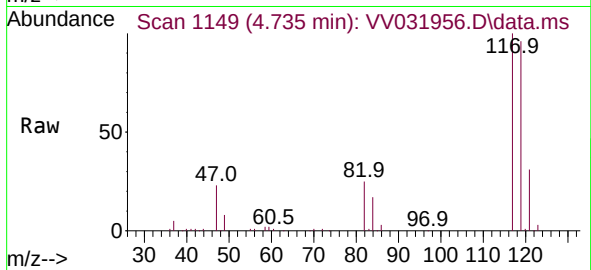
ClientSampleId :

Tgt Ion:117 Resp: 118160

Ion Ratio Lower Upper

117 100

119 95.5 75.4 113.2



#33

Benzene

Concen: 49.744 ug/L

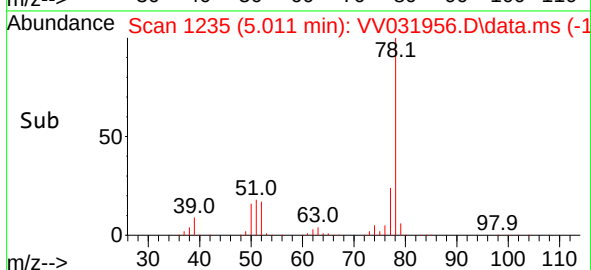
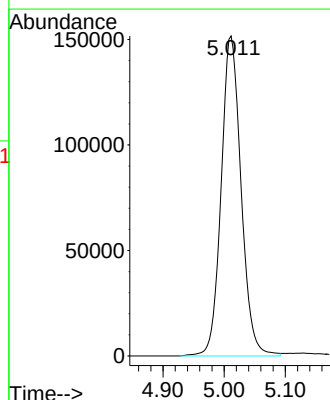
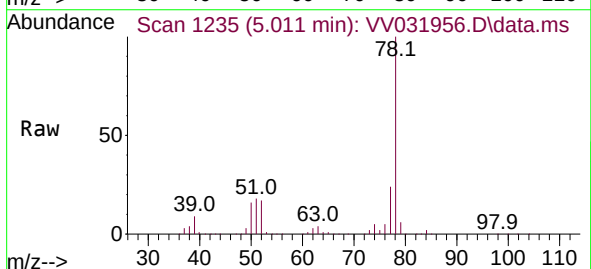
RT: 5.011 min Scan# 1235

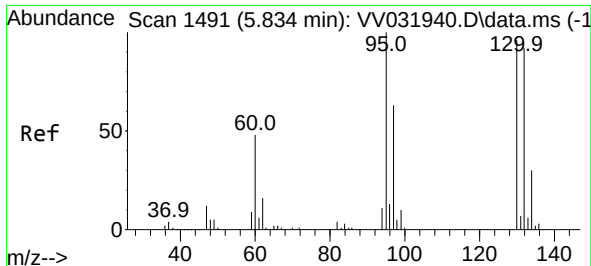
Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Tgt Ion: 78 Resp: 343501

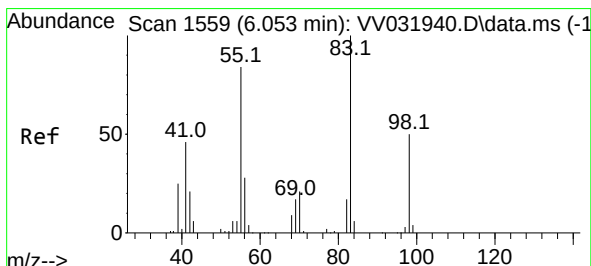
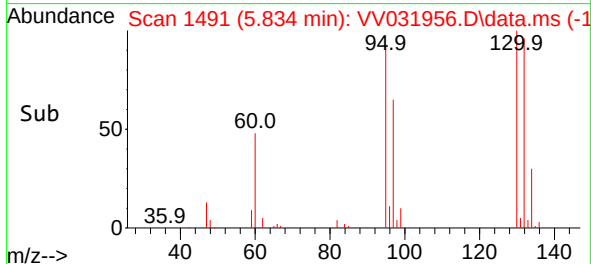
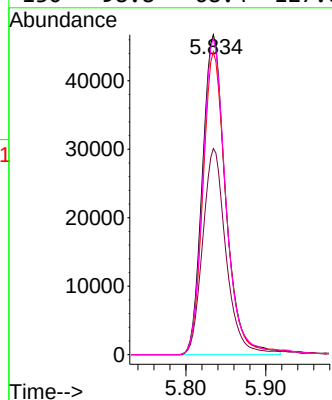
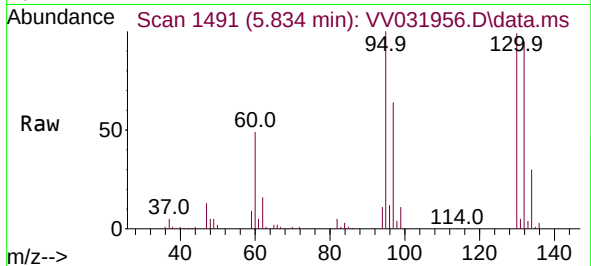




#34
Trichloroethene
Concen: 44.816 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

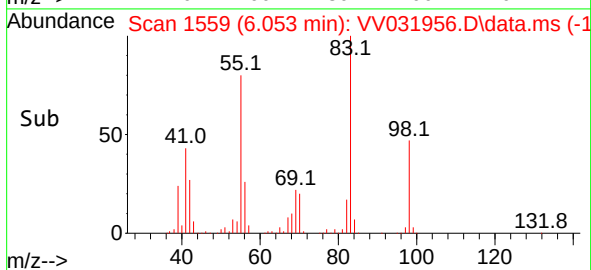
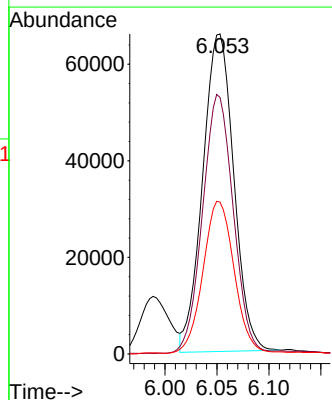
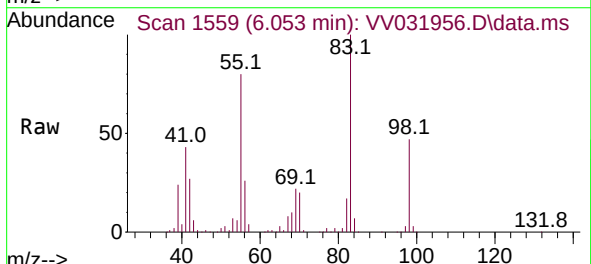
Instrument :
MSVOA_V
ClientSampleId :

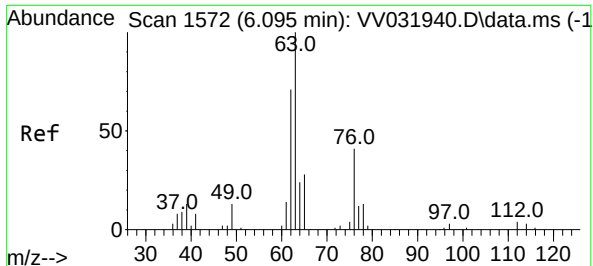
Tgt Ion: 95 Resp: 94646
Ion Ratio Lower Upper
95 100
97 64.4 45.4 84.2
132 94.7 65.4 121.4
130 98.8 68.4 127.0



#35
Methylcyclohexane
Concen: 48.664 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion: 83 Resp: 136699
Ion Ratio Lower Upper
83 100
55 80.7 62.2 93.2
98 48.3 36.7 55.1





#37

1,2-Dichloropropane

Concen: 51.282 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

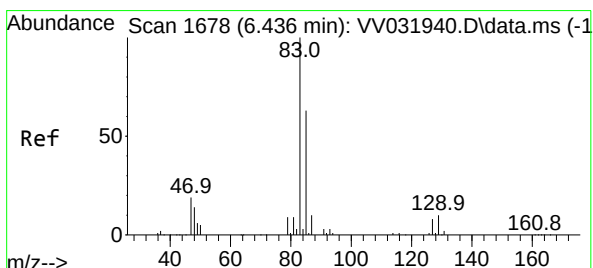
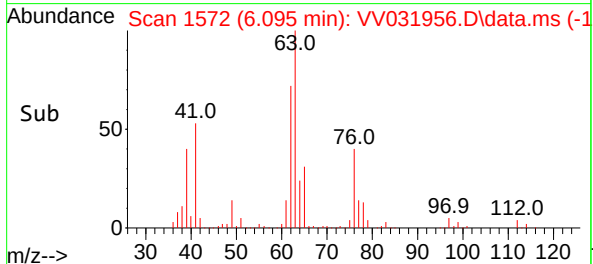
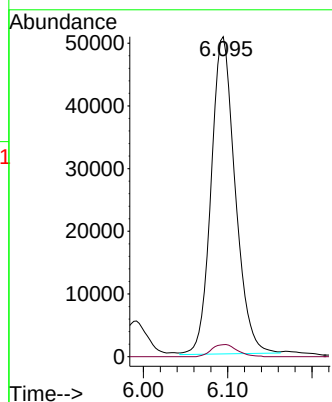
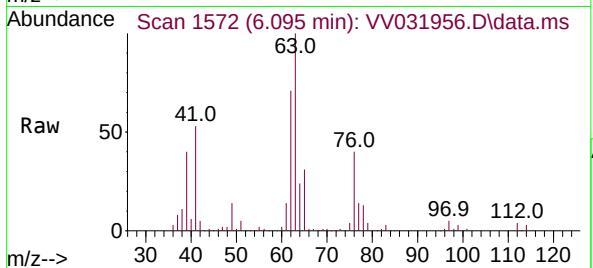
ClientSampleId :

Tgt Ion: 63 Resp: 100375

Ion Ratio Lower Upper

63 100

112 4.1 3.5 5.3



#38

Bromodichloromethane

Concen: 47.131 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

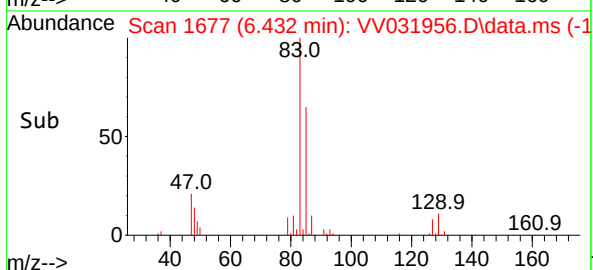
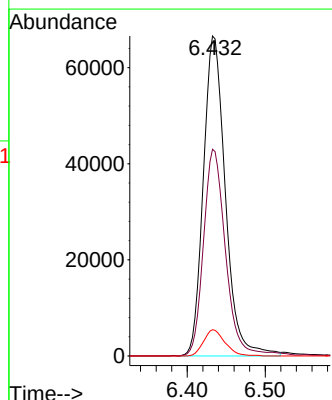
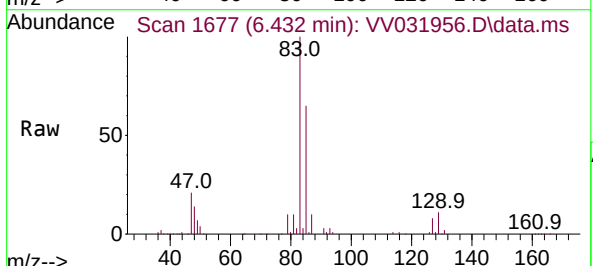
Tgt Ion: 83 Resp: 130940

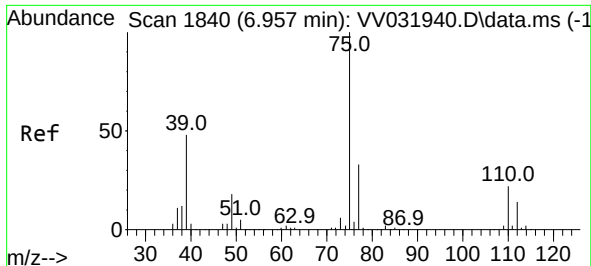
Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 47.947 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

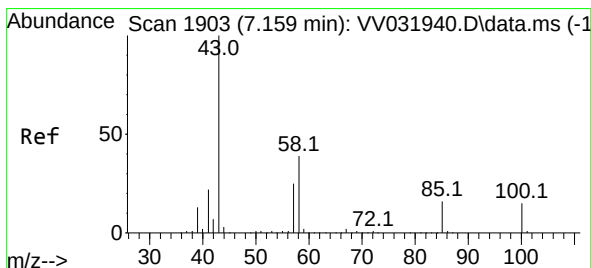
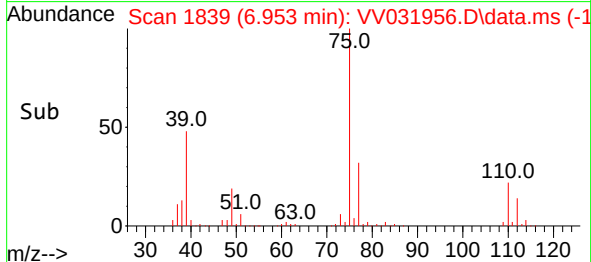
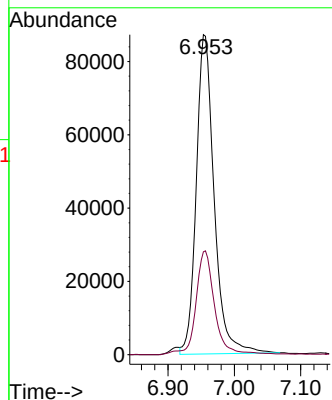
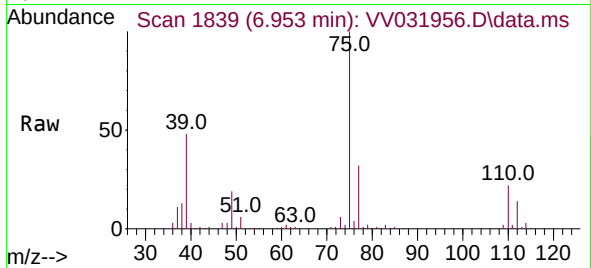
ClientSampleId :

Tgt Ion: 75 Resp: 163162

Ion Ratio Lower Upper

75 100

77 32.2 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 101.811 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

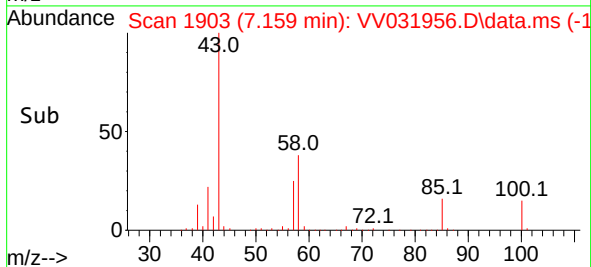
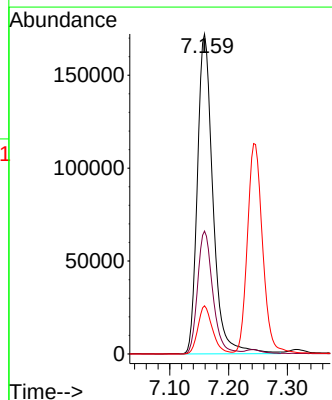
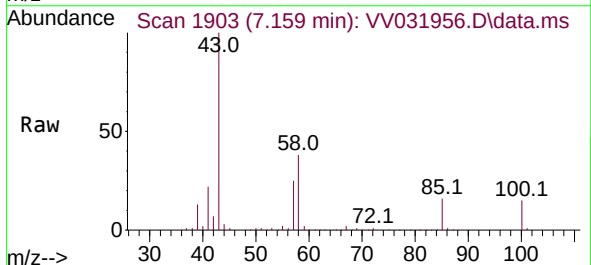
Tgt Ion: 43 Resp: 316291

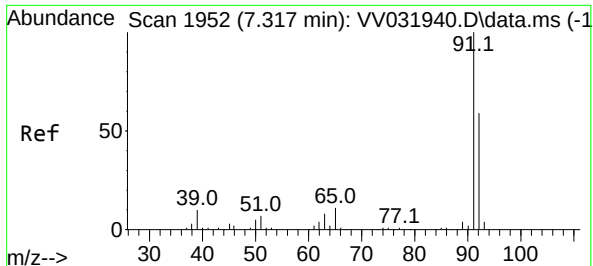
Ion Ratio Lower Upper

43 100

58 37.7 31.1 46.7

100 14.2 11.9 17.9





#42

Toluene

Concen: 49.348 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

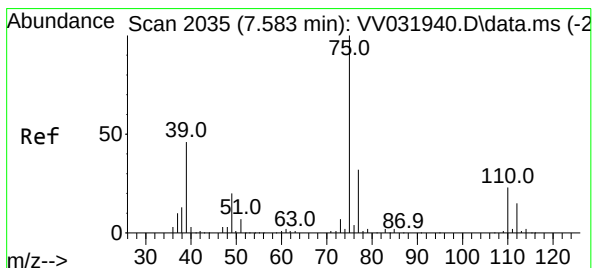
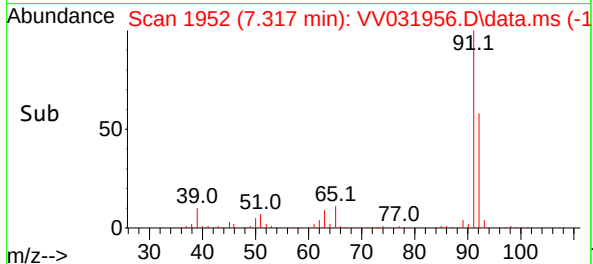
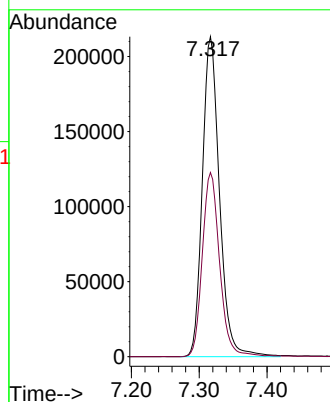
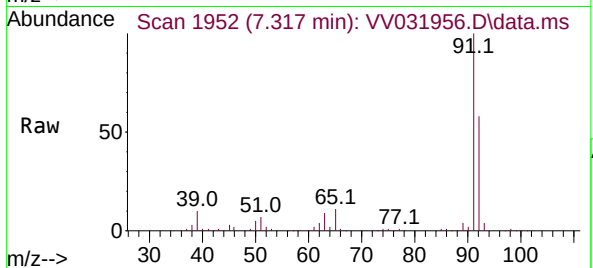
ClientSampleId :

Tgt Ion: 91 Resp: 374853

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 48.792 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031956.D

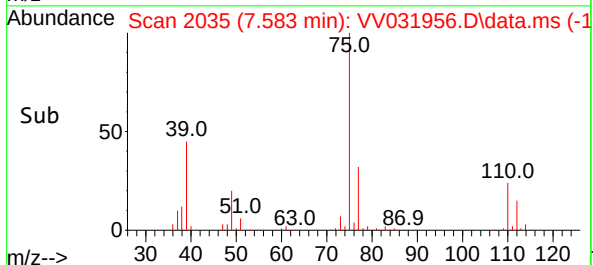
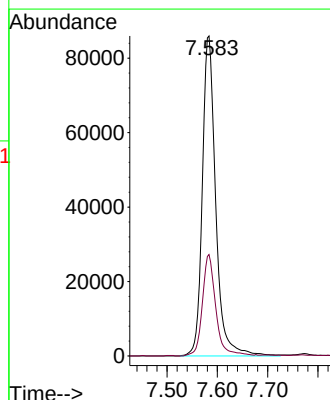
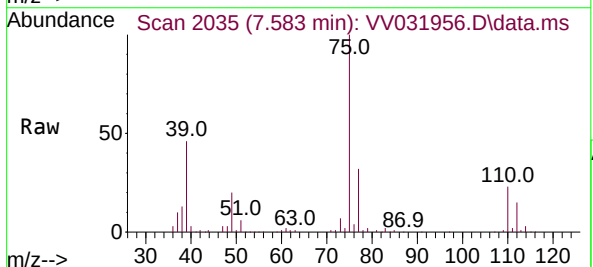
Acq: 31 Aug 2023 12:55

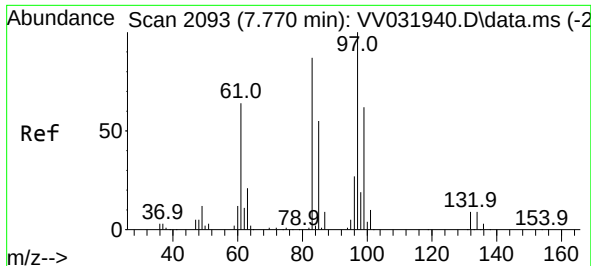
Tgt Ion: 75 Resp: 159534

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 48.953 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 96801

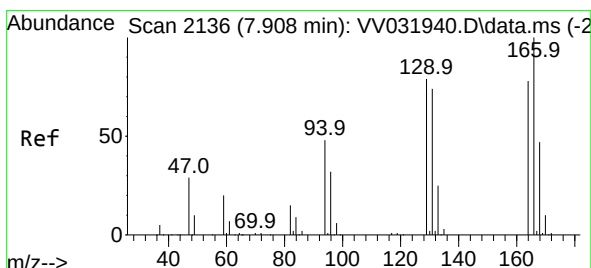
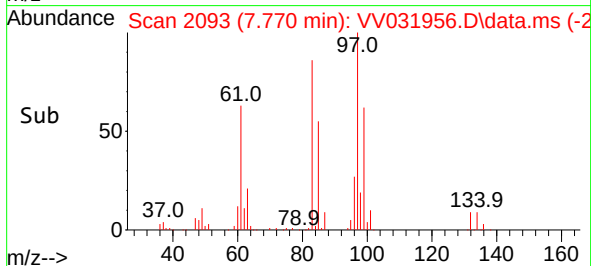
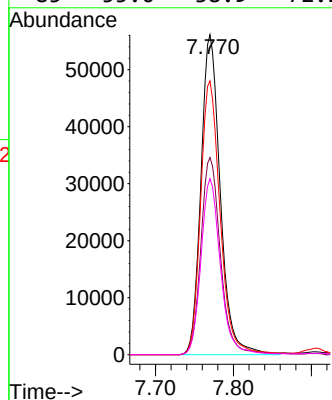
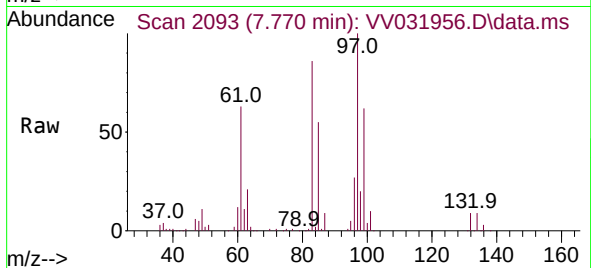
Ion Ratio Lower Upper

97 100

99 61.6 43.0 79.8

83 85.6 61.2 113.6

85 55.0 38.9 72.2



#46

Tetrachloroethene

Concen: 48.438 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Tgt Ion: 164 Resp: 64233

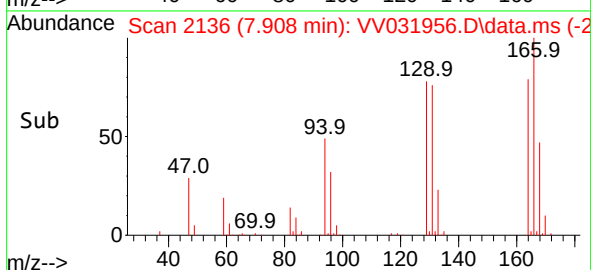
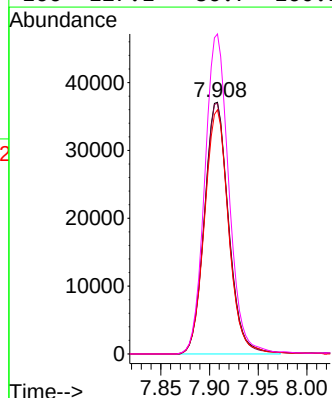
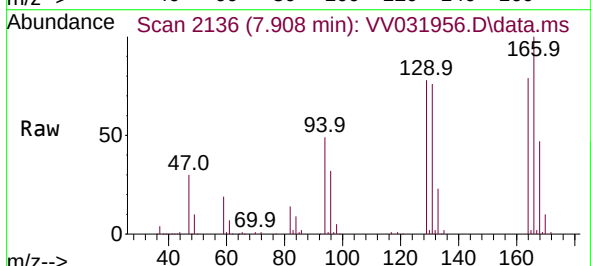
Ion Ratio Lower Upper

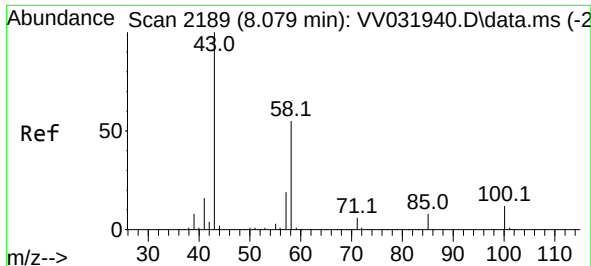
164 100

129 99.5 68.3 126.9

131 97.0 64.9 120.5

166 127.1 86.7 160.9



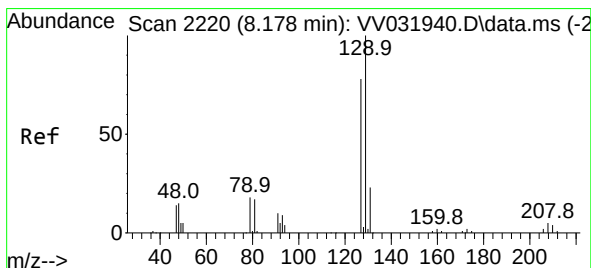
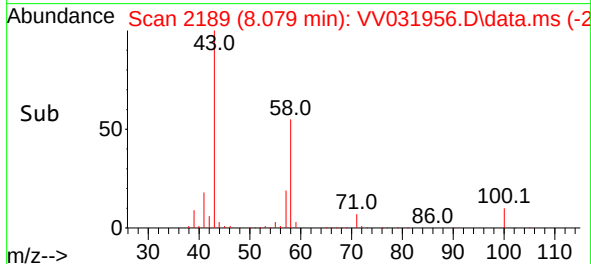
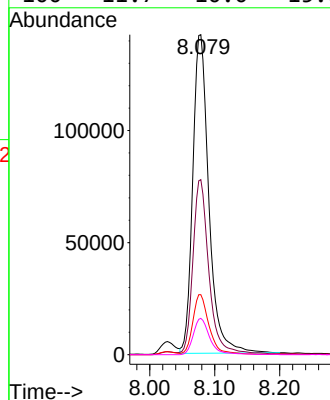
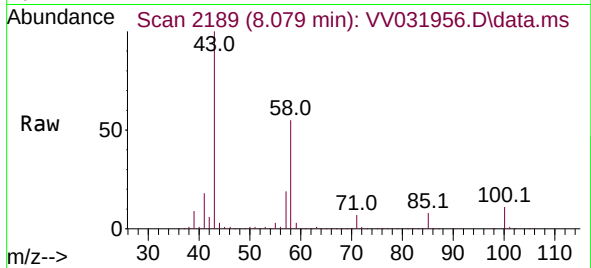


#48
2-Hexanone
Concen: 103.645 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 245894

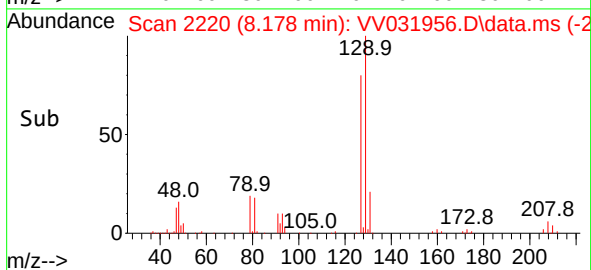
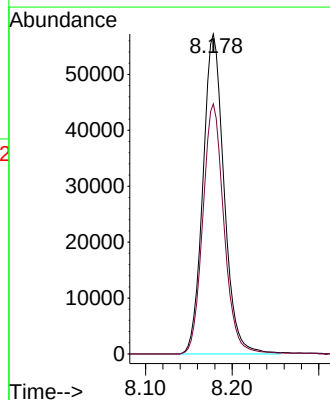
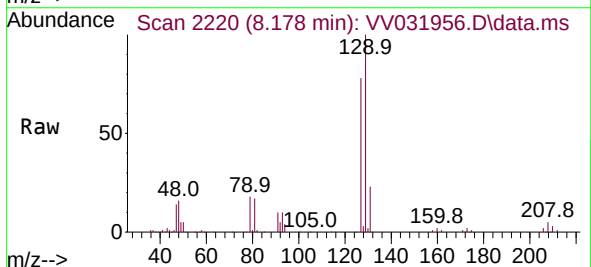
Ion	Ratio	Lower	Upper
43	100		
58	53.1	44.0	66.0
57	19.1	15.9	23.9
100	11.7	10.0	15.0

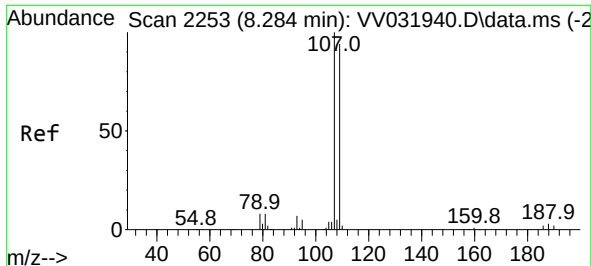


#49
Dibromochloromethane
Concen: 47.679 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion: 129 Resp: 96885

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.7	101.7





#50

1,2-Dibromoethane

Concen: 46.525 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031956.D

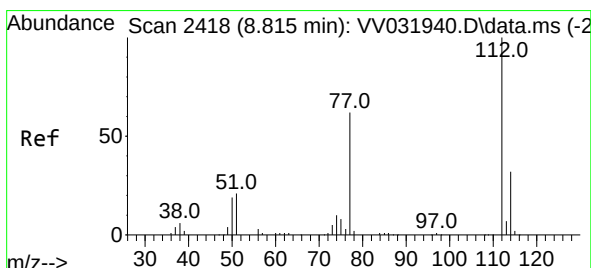
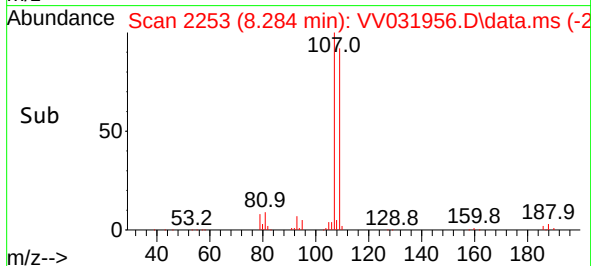
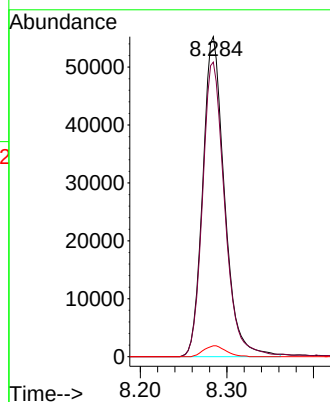
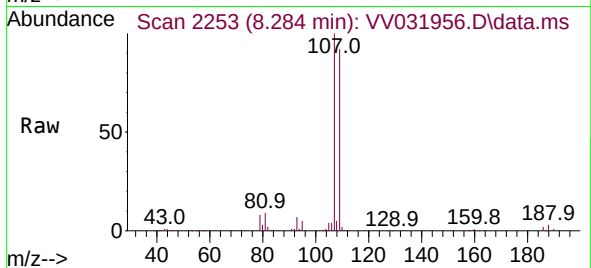
Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	96360
Ion	Ratio	Lower	Upper
107	100		
109	92.0	65.4	121.4
188	3.4	2.8	4.2



#51

Chlorobenzene

Concen: 49.206 ug/L

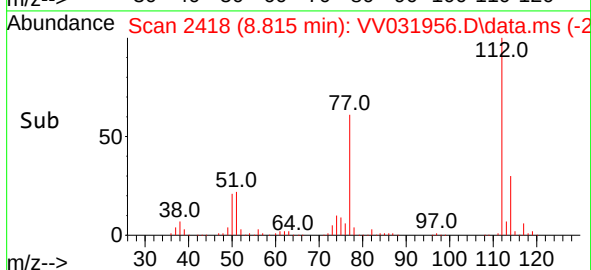
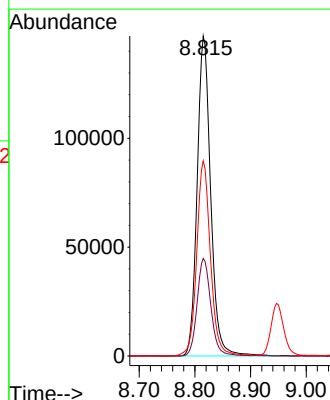
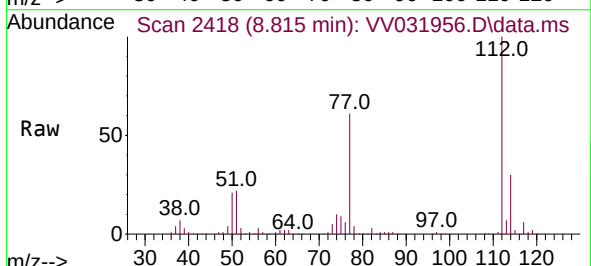
RT: 8.815 min Scan# 2418

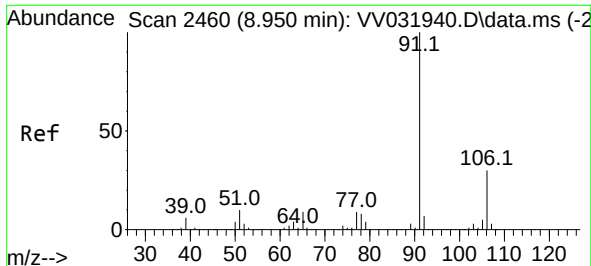
Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Tgt Ion:	112	Resp:	248361
Ion	Ratio	Lower	Upper
112	100		
114	30.4	22.0	40.8
77	61.0	49.4	74.0





#52

Ethylbenzene

Concen: 48.295 ug/L

RT: 8.947 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

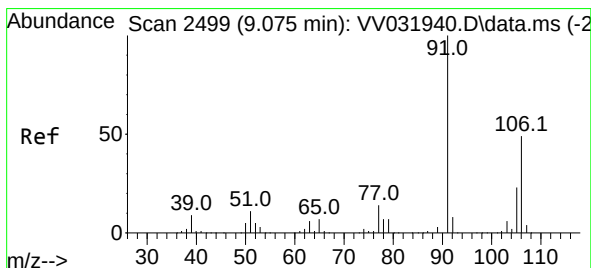
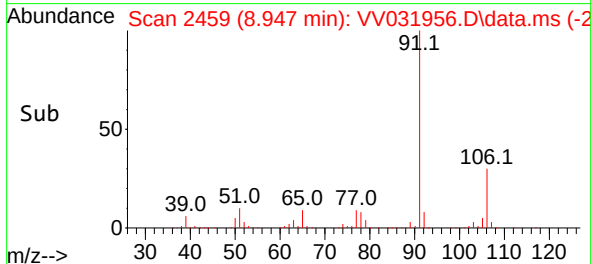
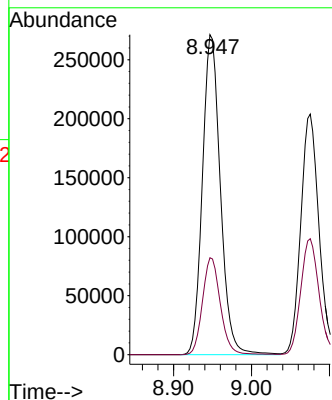
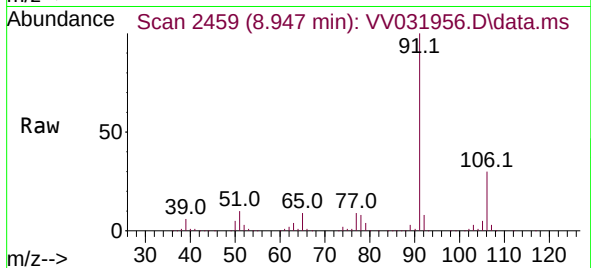
ClientSampleId :

Tgt Ion: 91 Resp: 434556

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



#53

m,p-Xylene

Concen: 47.943 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV031956.D

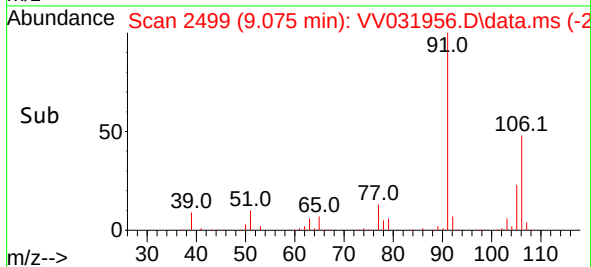
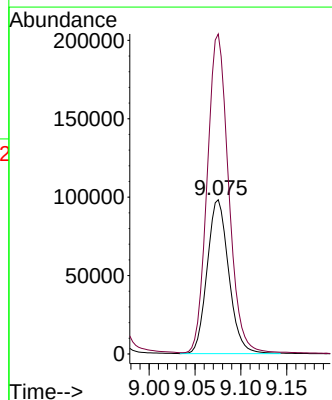
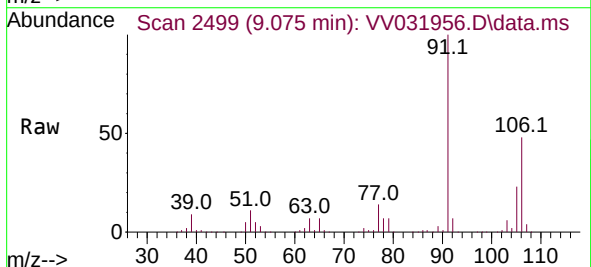
Acq: 31 Aug 2023 12:55

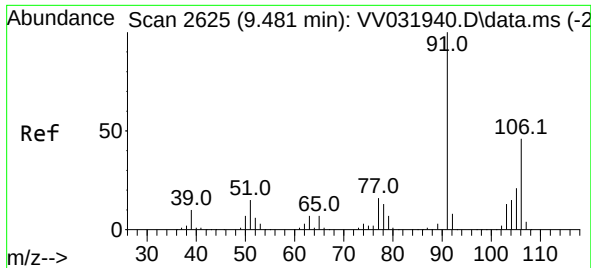
Tgt Ion:106 Resp: 160173

Ion Ratio Lower Upper

106 100

91 207.4 147.0 273.0

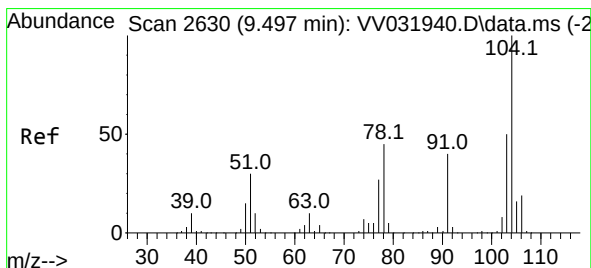
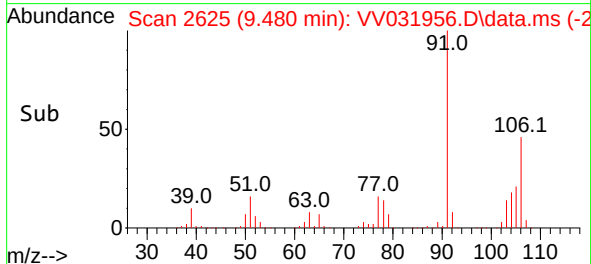
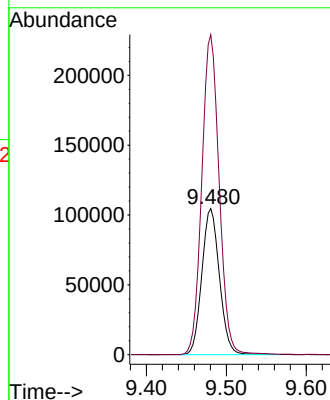
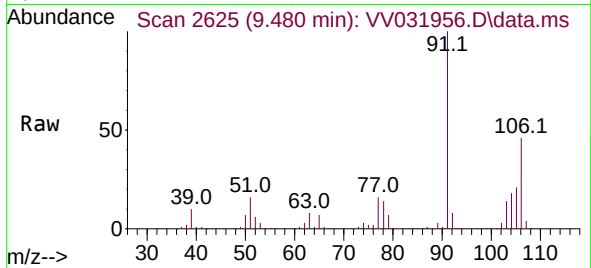




#54
o-Xylene
Concen: 48.277 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

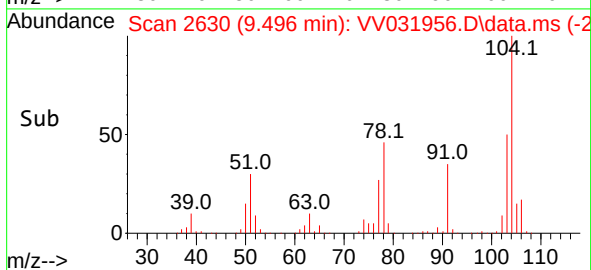
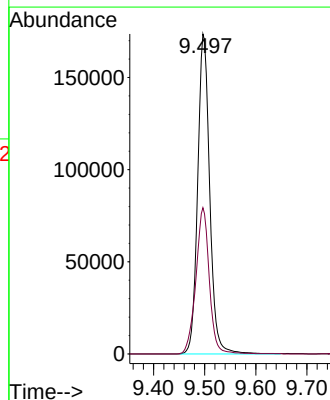
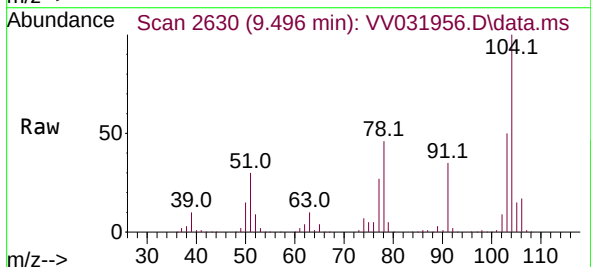
Instrument :
MSVOA_V
ClientSampleId :

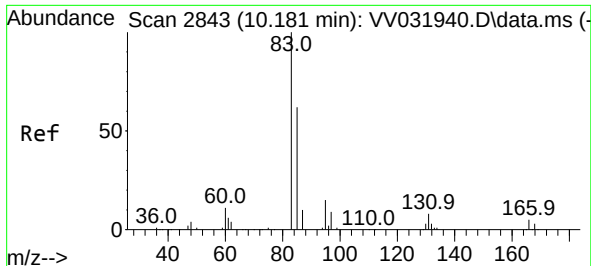
Tgt Ion:106 Resp: 160413
Ion Ratio Lower Upper
106 100
91 219.0 154.3 286.5



#55
Styrene
Concen: 48.448 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion:104 Resp: 284585
Ion Ratio Lower Upper
104 100
78 45.7 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 53.061 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

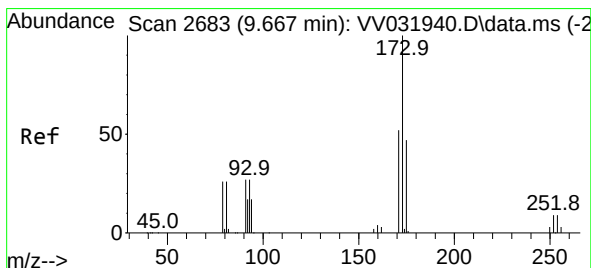
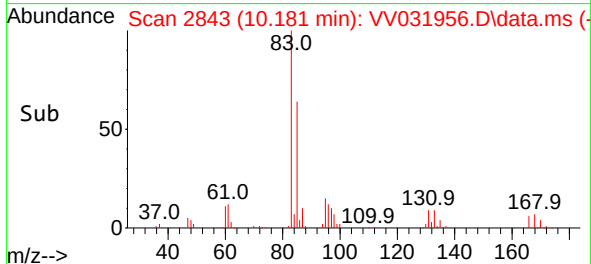
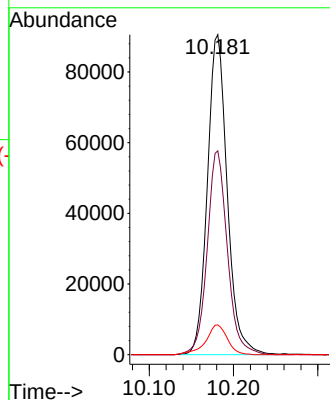
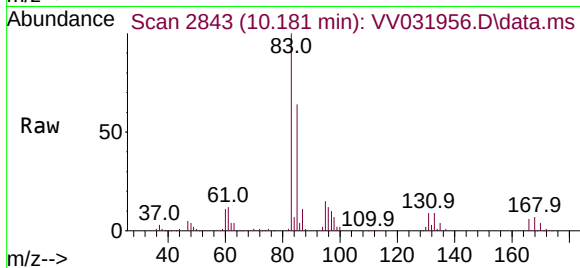
Tgt Ion: 83 Resp: 148534

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

131 9.3 7.4 11.2



#59

Bromoform

Concen: 46.851 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

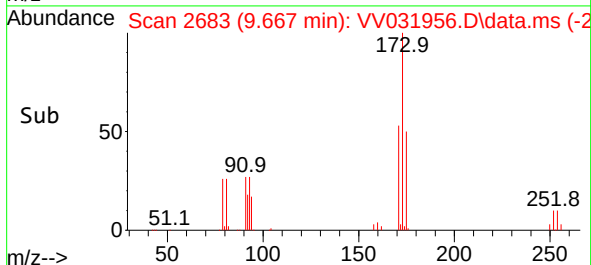
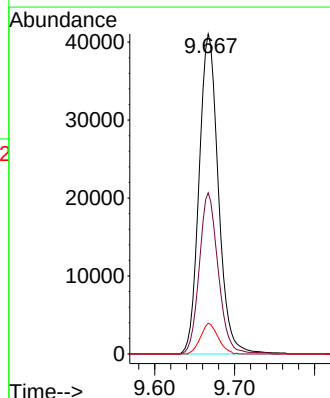
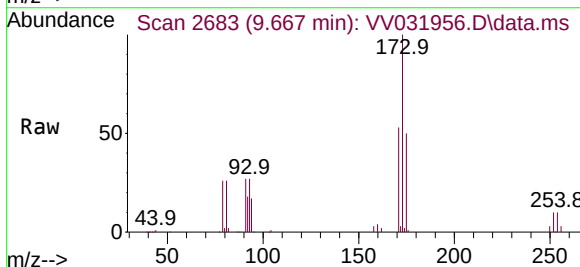
Tgt Ion: 173 Resp: 68900

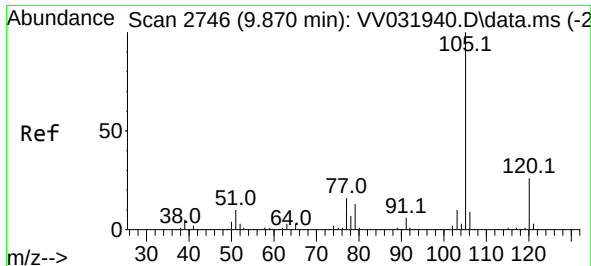
Ion Ratio Lower Upper

173 100

175 49.1 38.3 57.5

254 8.7 6.9 10.3

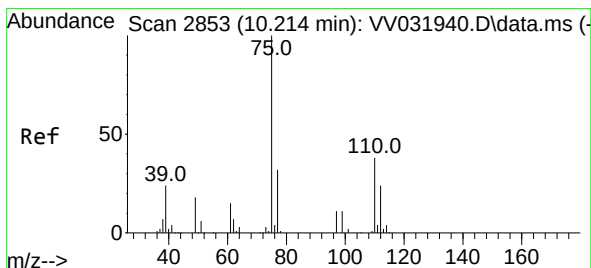
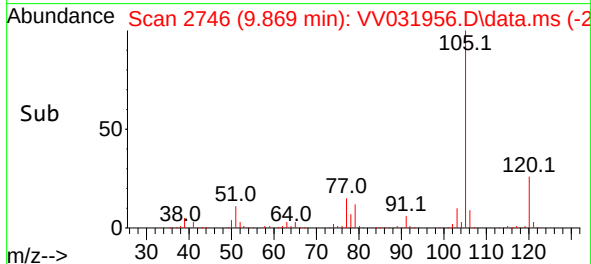
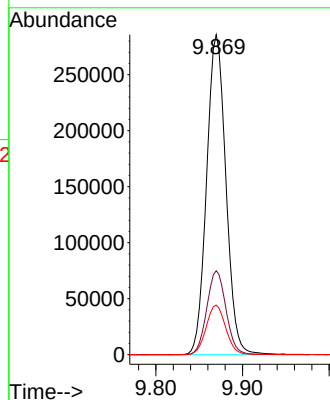
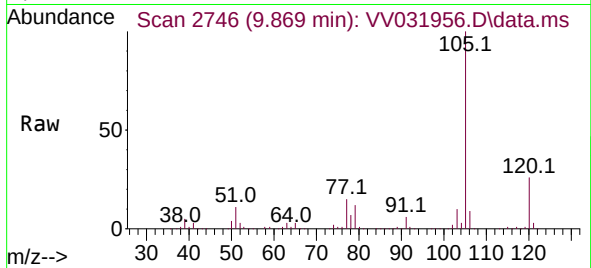




#60
Isopropylbenzene
Concen: 46.530 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

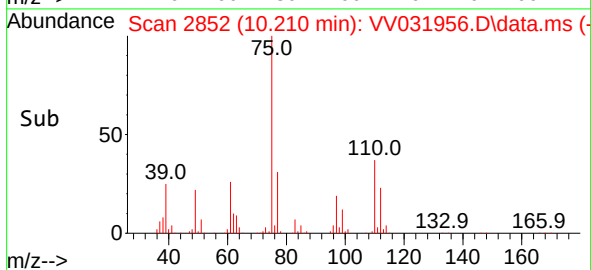
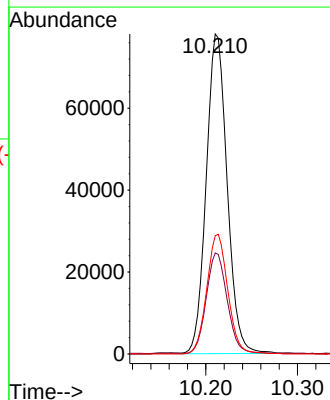
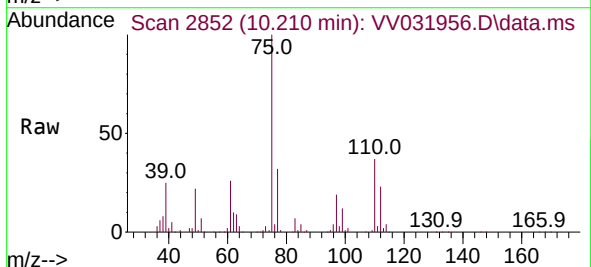
Instrument :
MSVOA_V
ClientSampleId :

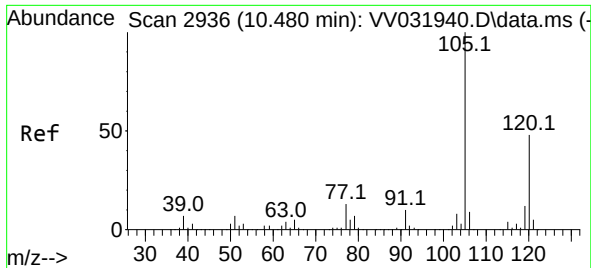
Tgt Ion:105 Resp: 441969
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 15.6 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 46.231 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

Tgt Ion: 75 Resp: 123867
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5
110 37.6 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.954 ug/L

RT: 10.477 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

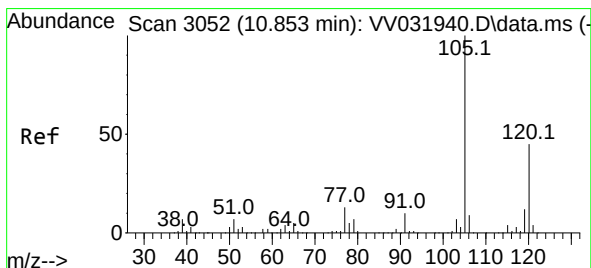
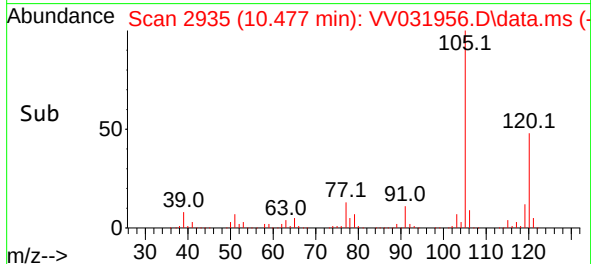
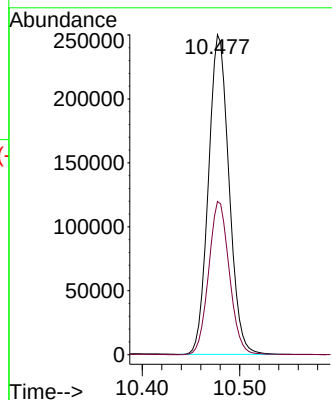
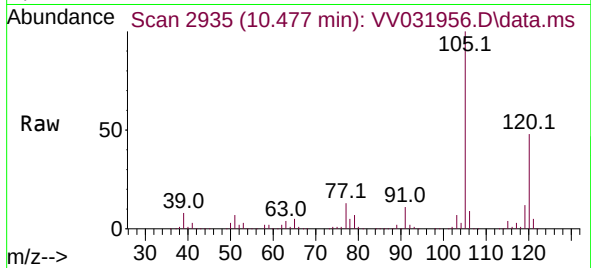
ClientSampleId :

Tgt Ion:105 Resp: 367231

Ion Ratio Lower Upper

105 100

120 48.2 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 46.077 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV031956.D

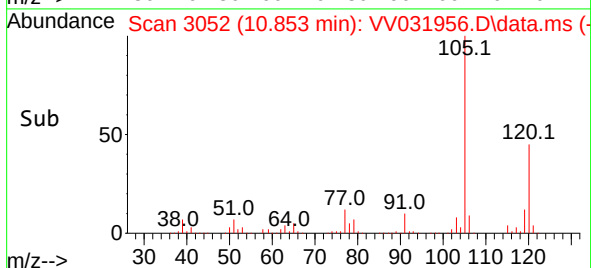
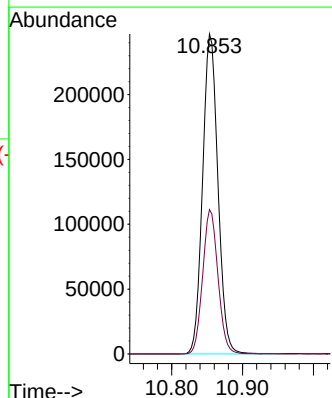
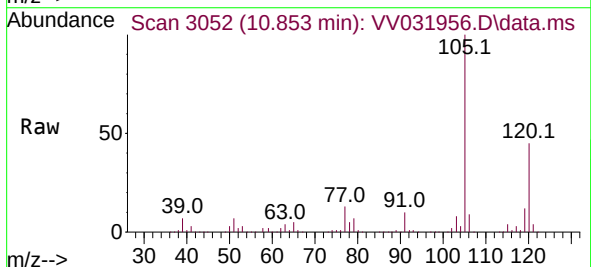
Acq: 31 Aug 2023 12:55

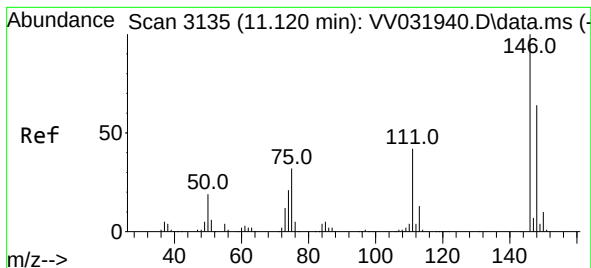
Tgt Ion:105 Resp: 370411

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 46.775 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

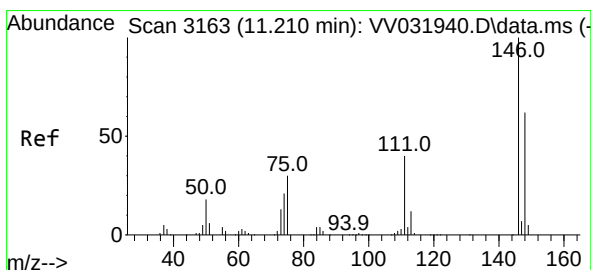
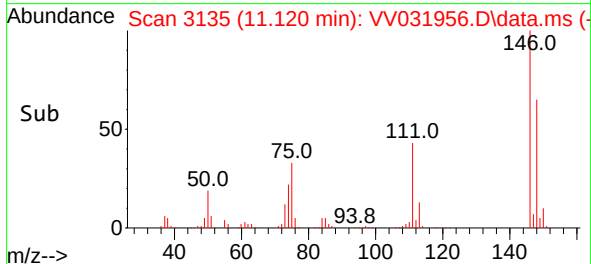
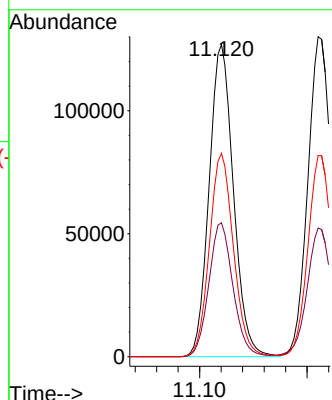
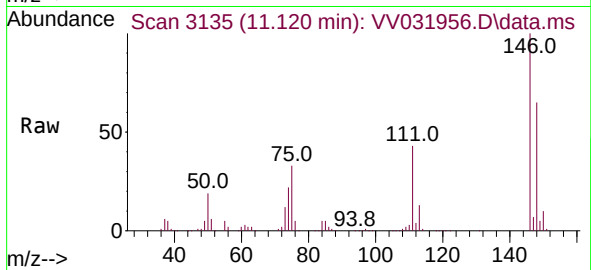
Tgt Ion:146 Resp: 199119

Ion Ratio Lower Upper

146 100

111 42.9 30.2 56.0

148 65.1 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 47.131 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

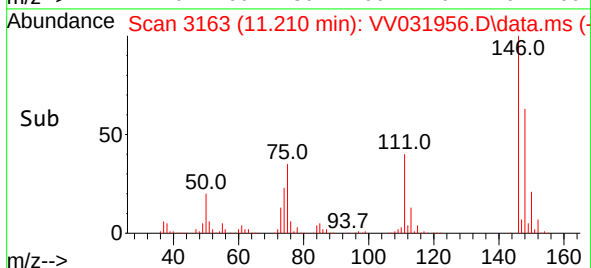
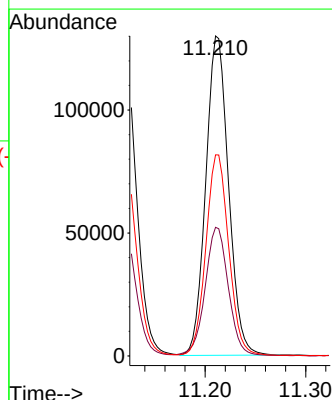
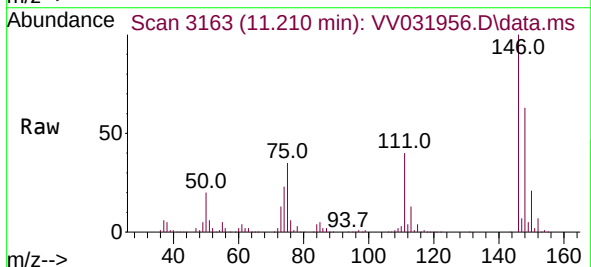
Tgt Ion:146 Resp: 204014

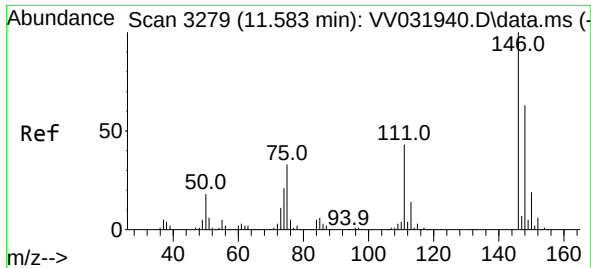
Ion Ratio Lower Upper

146 100

111 40.2 28.5 52.9

148 62.8 44.2 82.2

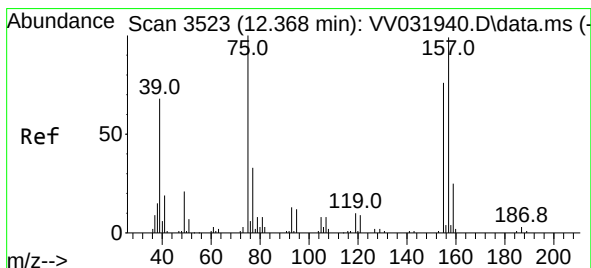
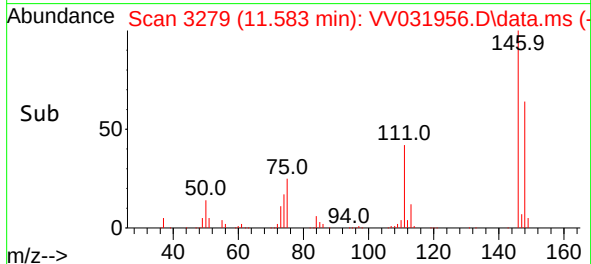
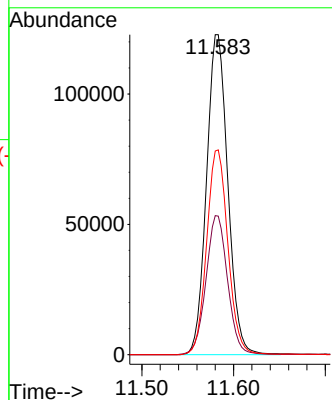
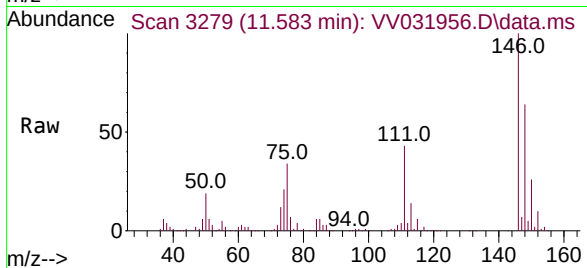




#67
1,2-Dichlorobenzene
Concen: 46.949 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

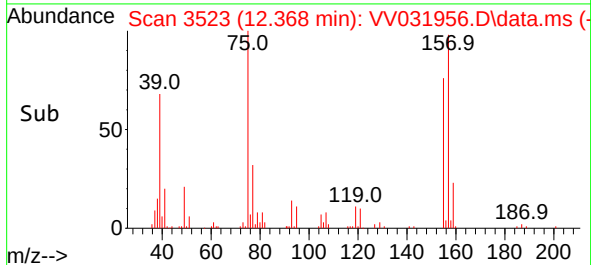
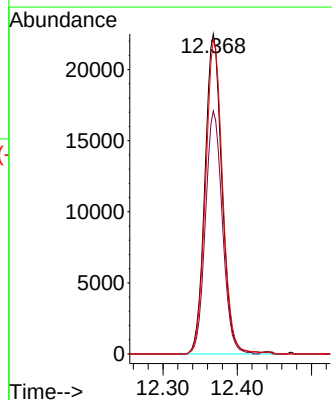
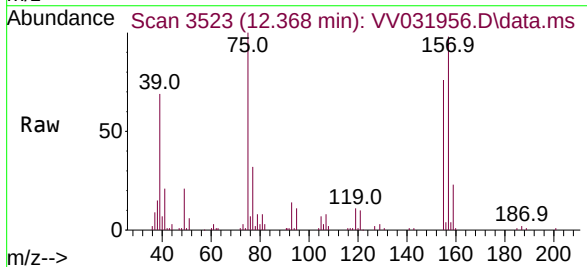
Instrument :
MSVOA_V
ClientSampleId :

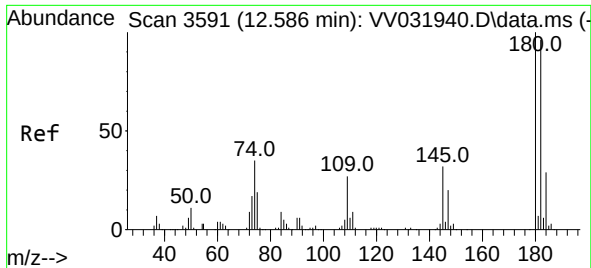
Tgt Ion:146 Resp: 198042
Ion Ratio Lower Upper
146 100
111 43.3 35.8 53.6
148 64.0 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 44.515 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV031956.D
Acq: 31 Aug 2023 12:55

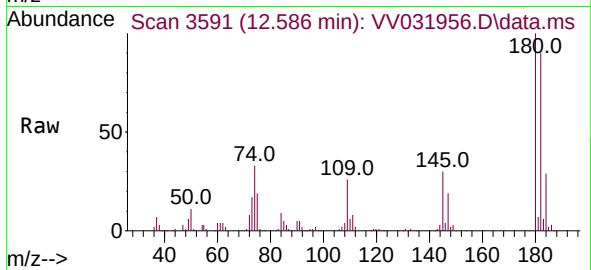
Tgt Ion: 75 Resp: 35826
Ion Ratio Lower Upper
75 100
155 76.0 60.1 90.1
157 98.2 77.3 115.9



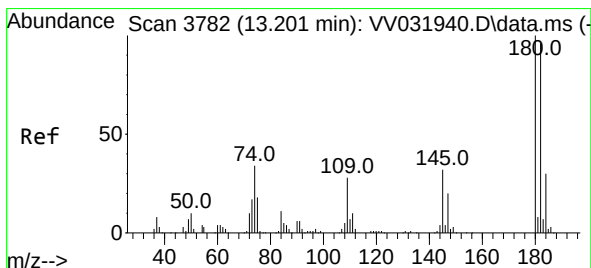
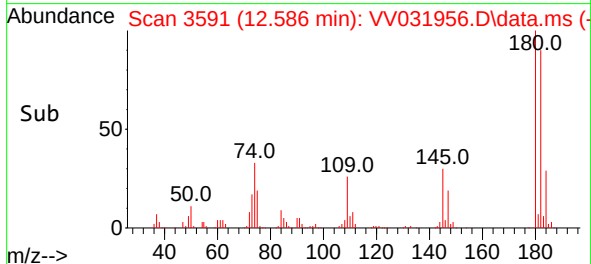
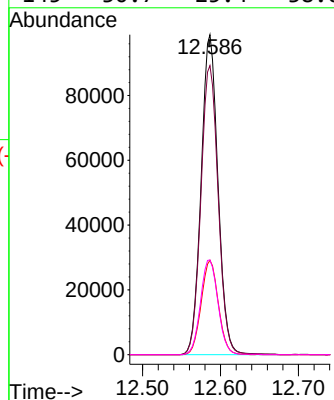


#69
 1,3,5-Trichlorobenzene
 Concen: 47.876 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. 0.000 min
 Lab File: VV031956.D
 Acq: 31 Aug 2023 12:55

Instrument :
 MSVOA_V
 ClientSampleId :

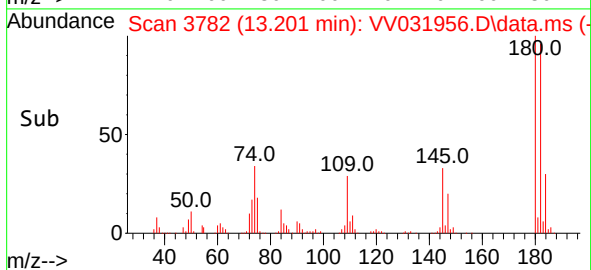
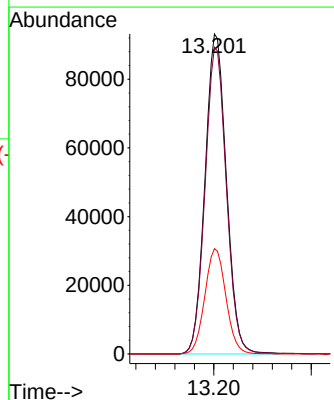
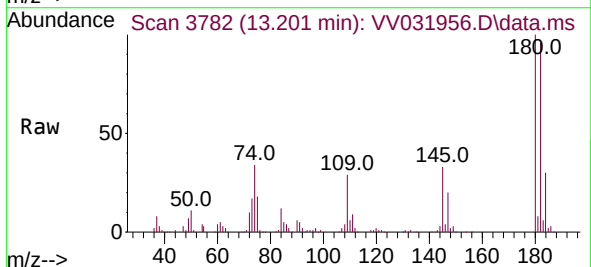


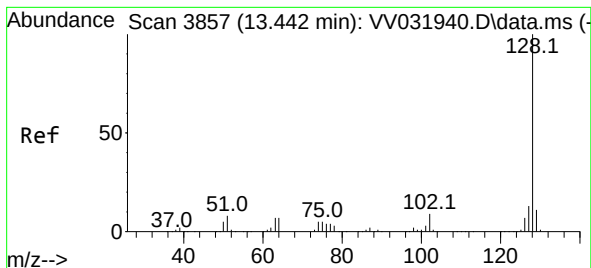
Tgt Ion:180 Resp: 148576
 Ion Ratio Lower Upper
 180 100
 182 92.4 75.4 113.2
 184 29.9 23.7 35.5
 145 30.7 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 47.697 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV031956.D
 Acq: 31 Aug 2023 12:55

Tgt Ion:180 Resp: 142081
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.2
 145 32.4 26.0 39.0





#71

Naphthalene

Concen: 46.975 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

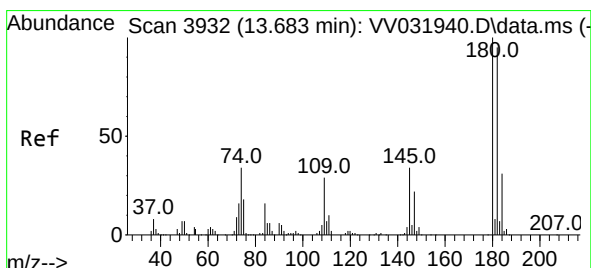
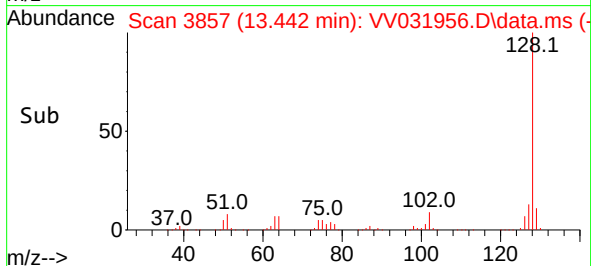
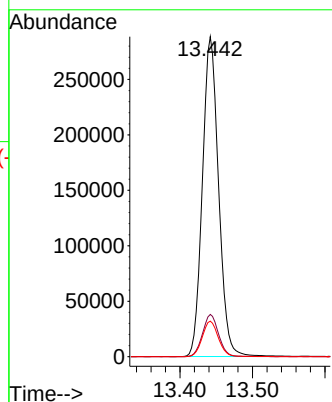
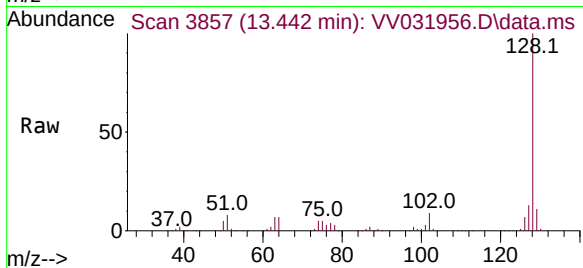
Tgt Ion:128 Resp: 447070

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.261 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV031956.D

Acq: 31 Aug 2023 12:55

Tgt Ion:180 Resp: 134902

Ion Ratio Lower Upper

180 100

182 94.0 76.7 115.1

145 33.7 27.7 41.5

