

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082823\
 Data File : VW031954.D
 Acq On : 28 Aug 2023 20:48
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 29 00:10:23 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	222658	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	218410	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	114435	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40426	29.011	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.020%#
7) Chloroethane-d5	1.532	69	44414	36.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.720%
11) 1,1-Dichloroethene-d2	2.060	65	20998	32.181	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.360%
21) 2-Butanone-d5	3.793	46	129320	117.997	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.000%
24) Chloroform-d	4.252	84	135111	44.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.720%
26) 1,2-Dichloroethane-d4	4.944	65	93238	46.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.260%
32) Benzene-d6	4.963	84	247533	41.534	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.060%
36) 1,2-Dichloropropane-d6	5.992	67	89569	46.693	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.380%
41) Toluene-d8	7.246	98	215175	39.184	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.360%#
43) trans-1,3-Dichloroprop...	7.555	79	42635	42.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.760%
47) 2-Hexanone-d5	8.030	63	67834	115.376	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.380%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	140624	56.730	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.460%
66) 1,2-Dichlorobenzene-d4	11.564	152	92024	44.113	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	53128	39.195	ug/L	97
3) Chloromethane	1.217	50	65263	47.217	ug/L	100
5) Vinyl chloride	1.285	62	63989	43.350	ug/L	99
6) Bromomethane	1.491	94	41896	48.205	ug/L	97
8) Chloroethane	1.548	64	46748	47.653	ug/L	98
9) Trichlorofluoromethane	1.716	101	88453	41.107	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	55295	42.561	ug/L	100
12) 1,1-Dichloroethene	2.072	96	49889	42.752	ug/L	81
13) Acetone	2.121	43	81259	83.303	ug/L	97
14) Carbon disulfide	2.243	76	121092	45.540	ug/L	99
15) Methyl Acetate	2.375	43	101428	58.301	ug/L	99
16) Methylene chloride	2.449	84	80273	53.530	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	58247	45.528	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	294116	54.395	ug/L	98
19) 1,1-Dichloroethane	3.114	63	144248	50.311	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	79908	49.784	ug/L	98
22) 2-Butanone	3.873	43	138845	107.568	ug/L	97
23) Bromochloromethane	4.150	128	40252	51.690	ug/L	95
25) Chloroform	4.278	83	144275	48.398	ug/L	97

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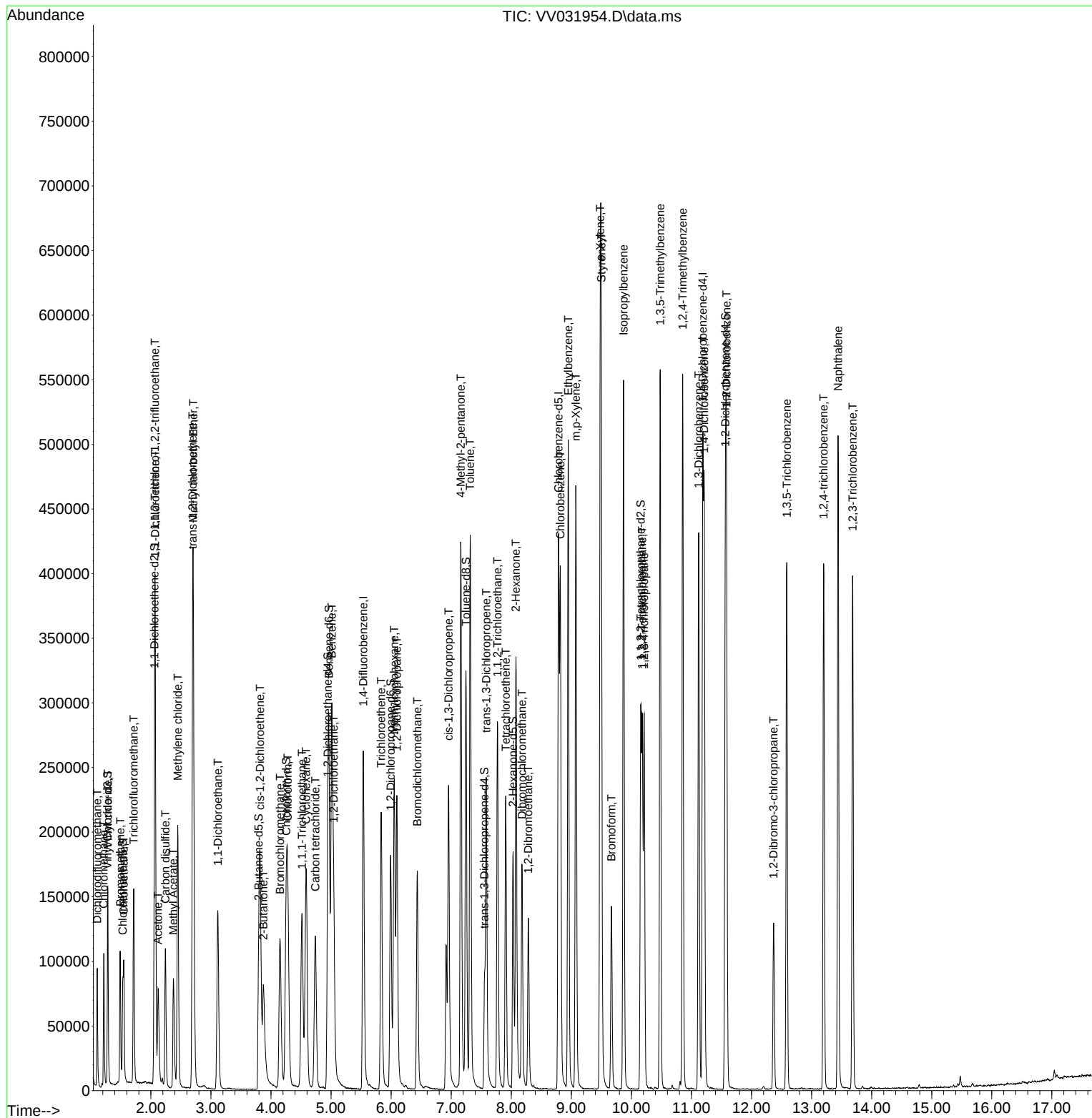
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	121995	51.946	ug/L	99
29) Cyclohexane	4.584	56	102046	44.874	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	112941	44.332	ug/L	99
31) Carbon tetrachloride	4.738	117	90266	41.727	ug/L	99
33) Benzene	5.011	78	291135	49.610	ug/L	100
34) Trichloroethene	5.834	95	77941	43.427	ug/L	97
35) Methylcyclohexane	6.053	83	99727	41.775	ug/L	96
37) 1,2-Dichloropropane	6.095	63	87198	52.421	ug/L	100
38) Bromodichloromethane	6.436	83	116788	49.464	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	144495	49.964	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	297794	112.794	ug/L	98
42) Toluene	7.317	91	306593	47.494	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	137228	49.386	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	88748	52.810	ug/L	99
46) Tetrachloroethene	7.908	164	48926	43.415	ug/L	98
48) 2-Hexanone	8.079	43	218039	108.143	ug/L	99
49) Dibromochloromethane	8.178	129	86313	49.982	ug/L	99
50) 1,2-Dibromoethane	8.284	107	88872	50.491	ug/L	99
51) Chlorobenzene	8.818	112	202880	47.297	ug/L	98
52) Ethylbenzene	8.950	91	346741	45.345	ug/L	100
53) m,p-Xylene	9.075	106	128014	45.087	ug/L	97
54) o-Xylene	9.481	106	132177	46.808	ug/L	97
55) Styrene	9.500	104	236575	47.391	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	138799	58.345	ug/L	98
59) Bromoform	9.667	173	61476	51.805	ug/L	99
60) Isopropylbenzene	9.870	105	348419	45.458	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	115951	53.631	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	292599	45.376	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	296888	45.768	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	163432	47.578	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	163175	46.716	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	162559	47.758	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	32899	50.660	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	113594	45.362	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	112632	46.858	ug/L	100
71) Naphthalene	13.442	128	371253	48.343	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	109097	47.366	ug/L	99

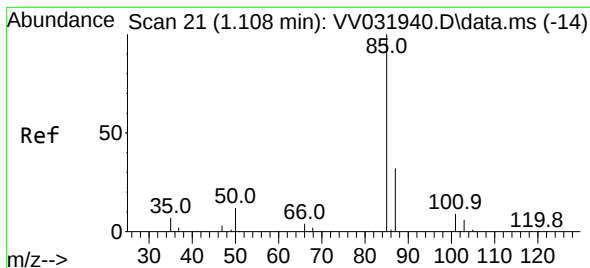
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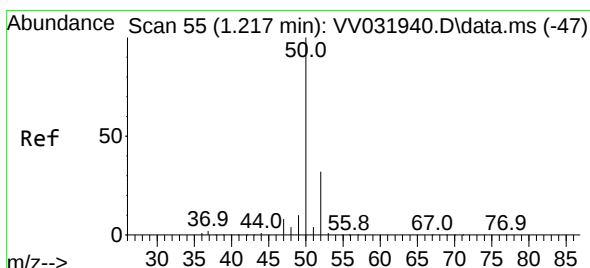
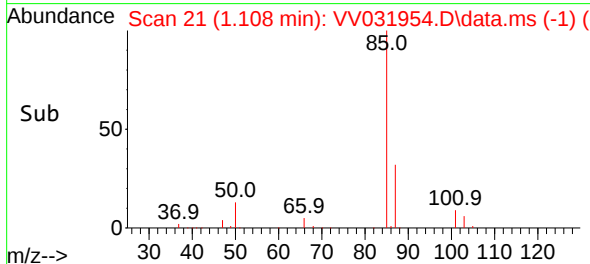
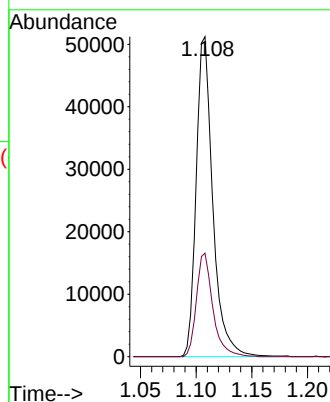
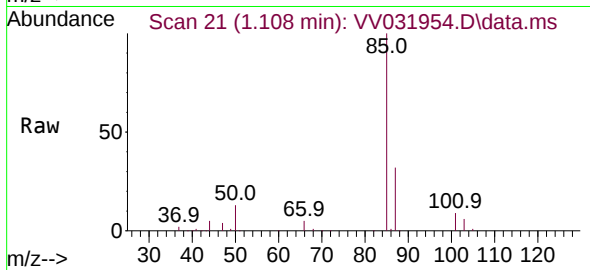




#2
 Dichlorodifluoromethane
 Concen: 39.195 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031954.D
 Acq: 28 Aug 2023 20:48

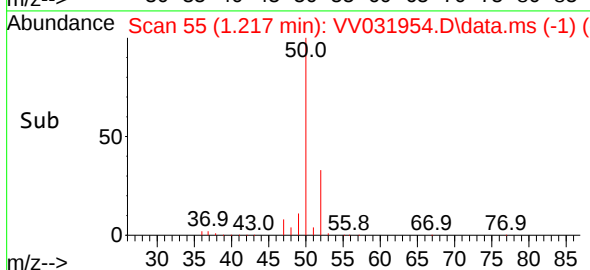
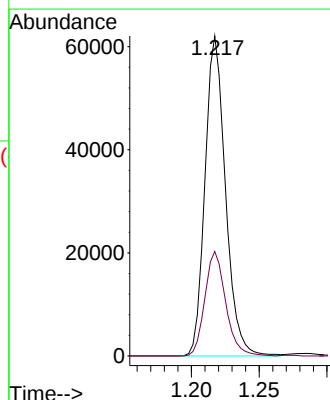
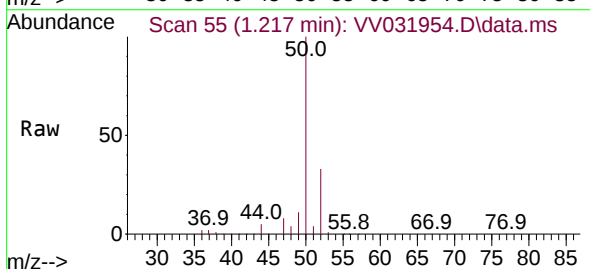
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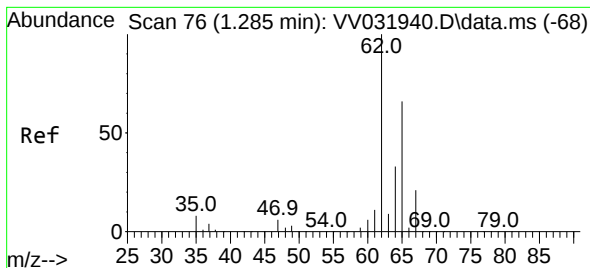
Tgt Ion: 85 Resp: 53128
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.8 40.2



#3
 Chloromethane
 Concen: 47.217 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031954.D
 Acq: 28 Aug 2023 20:48

Tgt Ion: 50 Resp: 65263
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.0 42.6





#5

Vinyl chloride

Concen: 43.350 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

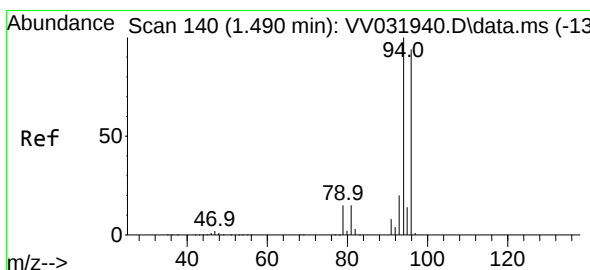
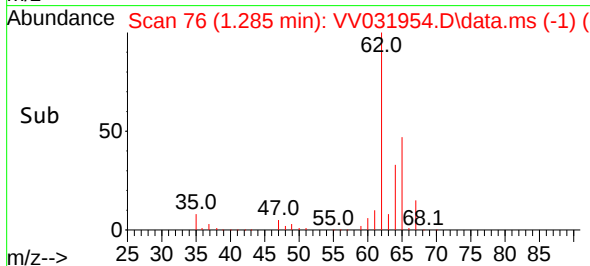
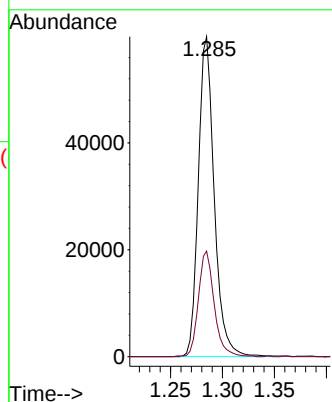
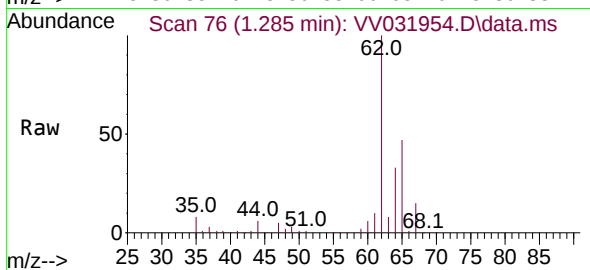
ClientSampleId :

Tgt Ion: 62 Resp: 63989

Ion Ratio Lower Upper

62 100

64 33.0 23.6 43.8



#6

Bromomethane

Concen: 48.205 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV031954.D

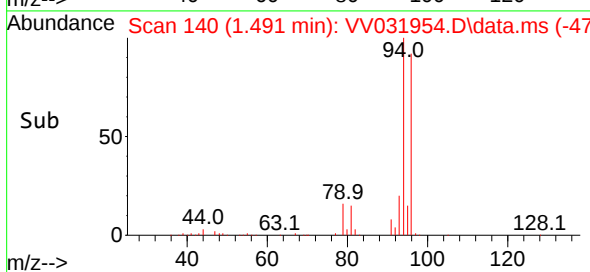
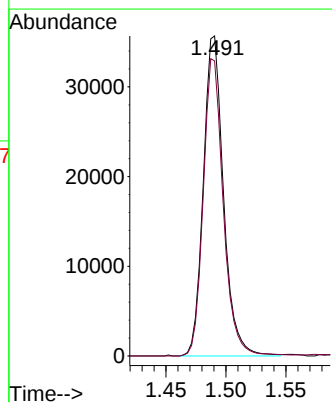
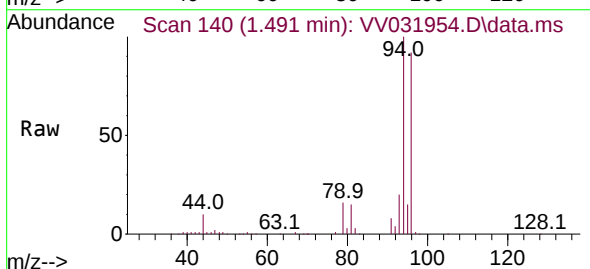
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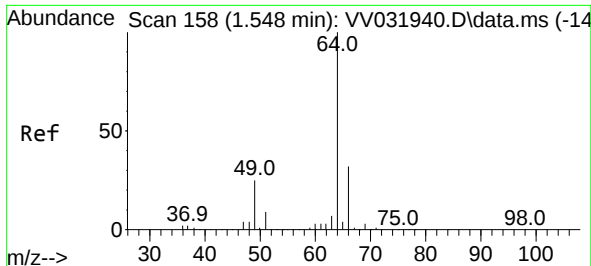
Tgt Ion: 94 Resp: 41896

Ion Ratio Lower Upper

94 100

96 92.2 66.4 123.4

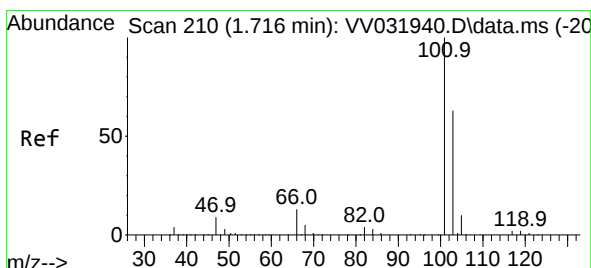
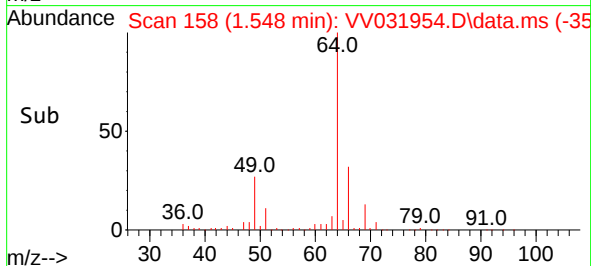
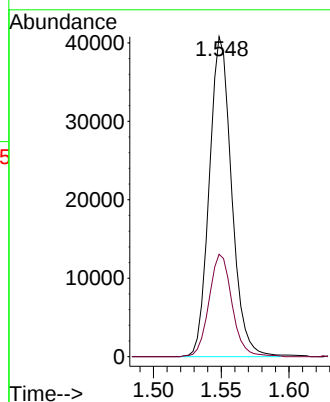
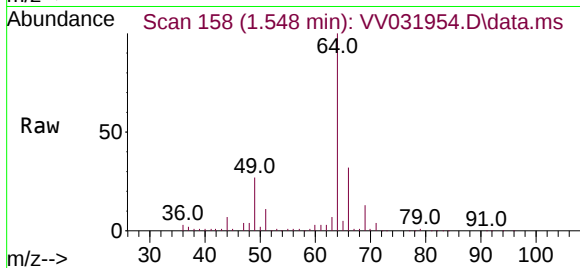




#8
Chloroethane
Concen: 47.653 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

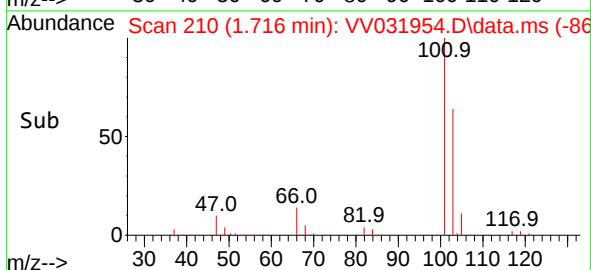
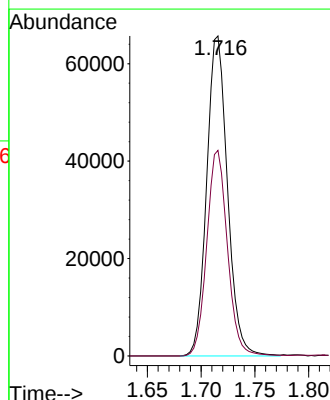
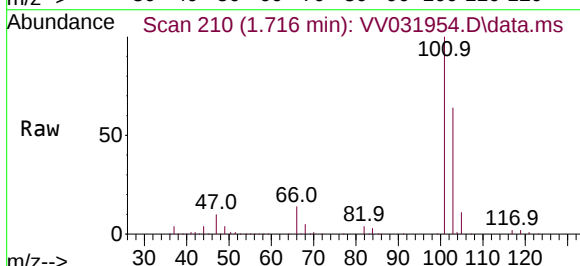
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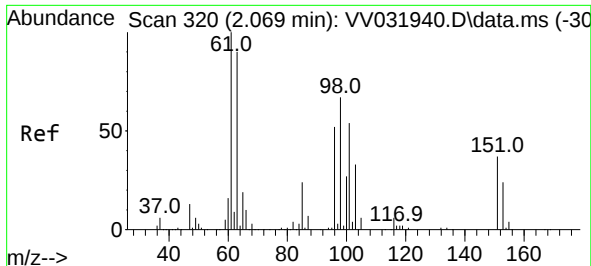
Tgt Ion: 64 Resp: 46748
Ion Ratio Lower Upper
64 100
66 32.0 23.2 43.2



#9
Trichlorofluoromethane
Concen: 41.107 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion:101 Resp: 88453
Ion Ratio Lower Upper
101 100
103 63.8 51.9 77.9

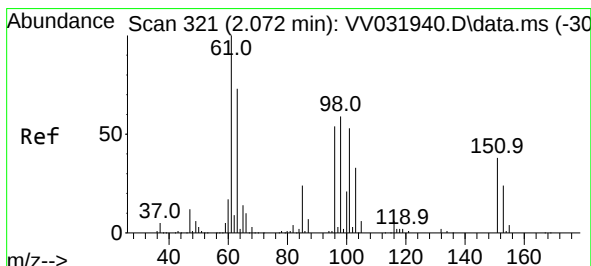
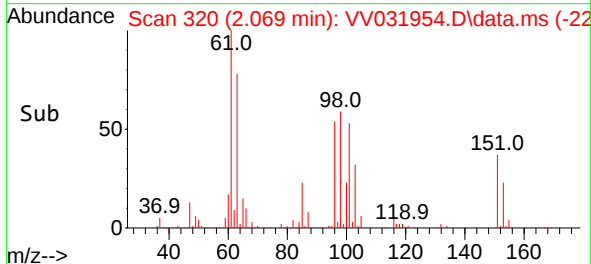
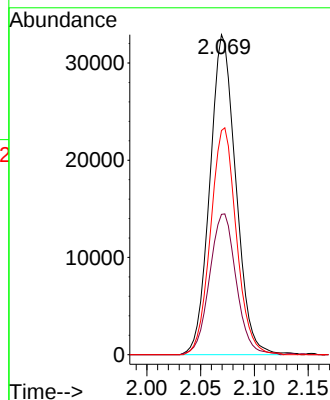
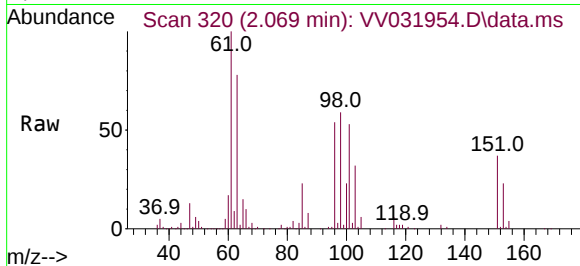




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.561 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031954.D
 Acq: 28 Aug 2023 20:48

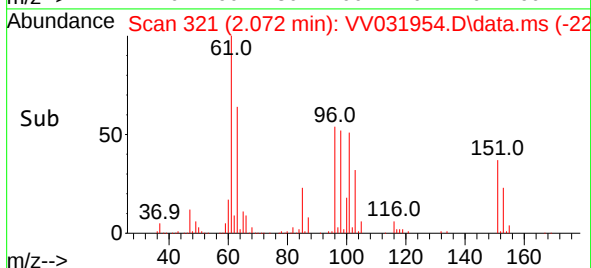
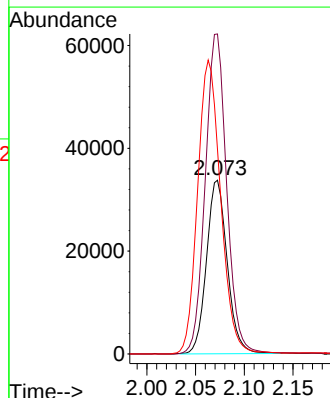
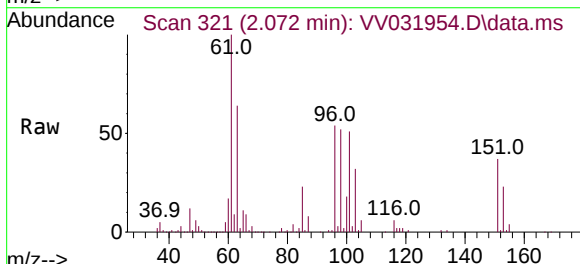
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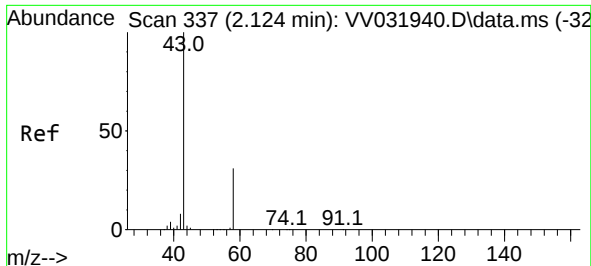
Tgt Ion:101 Resp: 55295
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.8 53.8
 151 70.6 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 42.752 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031954.D
 Acq: 28 Aug 2023 20:48

Tgt Ion: 96 Resp: 49889
 Ion Ratio Lower Upper
 96 100
 61 184.1 133.8 248.6
 63 117.7 115.2 214.0





#13

Acetone

Concen: 83.303 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

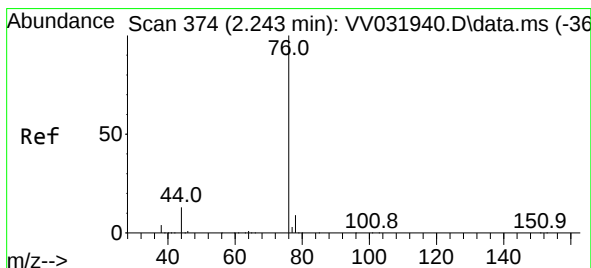
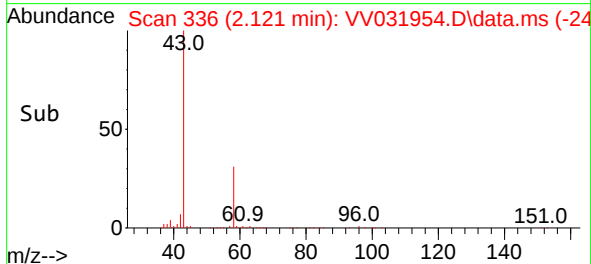
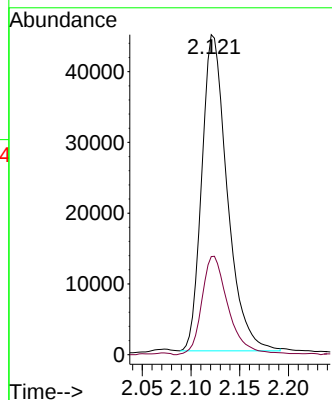
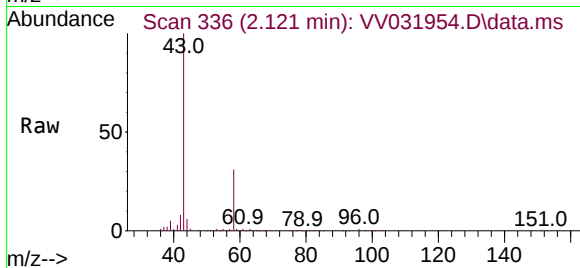
ClientSampleId :

Tgt Ion: 43 Resp: 81259

Ion Ratio Lower Upper

43 100

58 32.3 0.0 61.0



#14

Carbon disulfide

Concen: 45.540 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031954.D

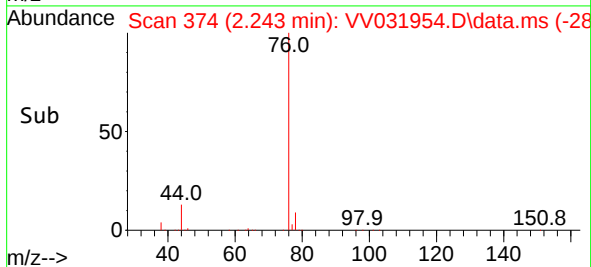
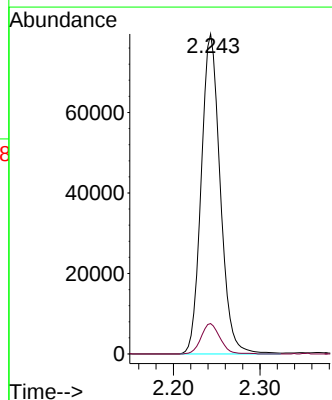
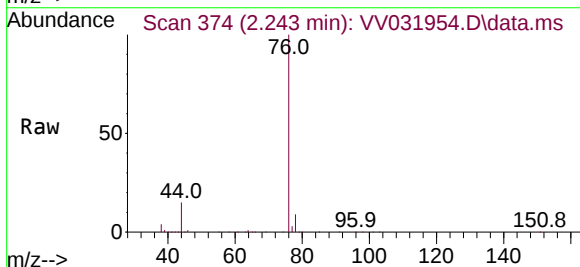
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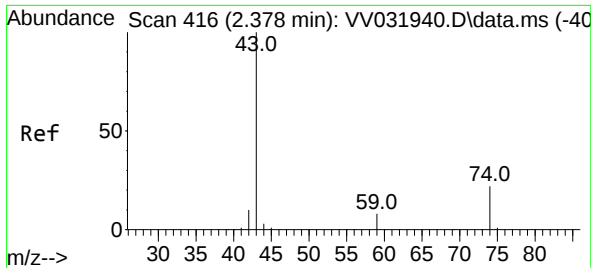
Tgt Ion: 76 Resp: 121092

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

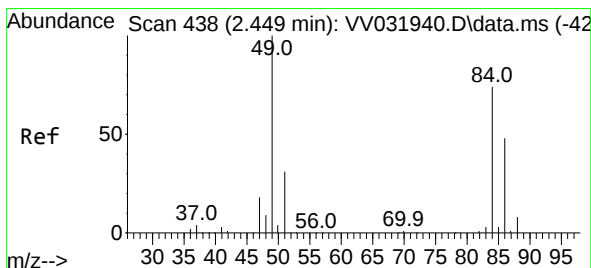
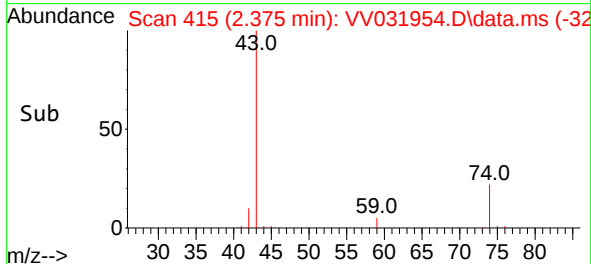
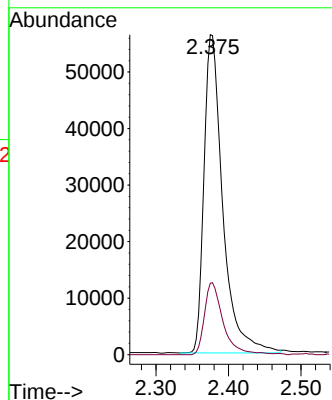
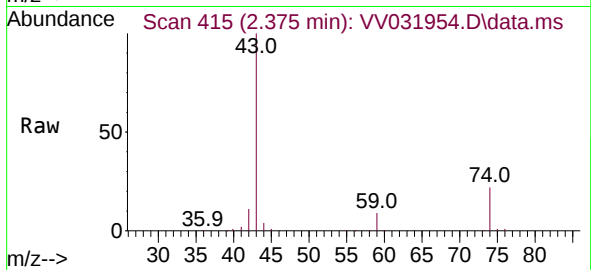




#15
Methyl Acetate
Concen: 58.301 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

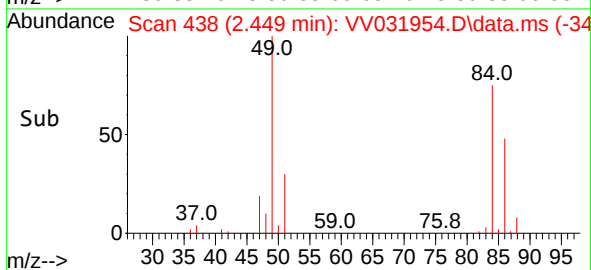
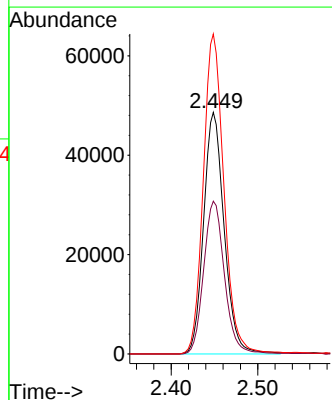
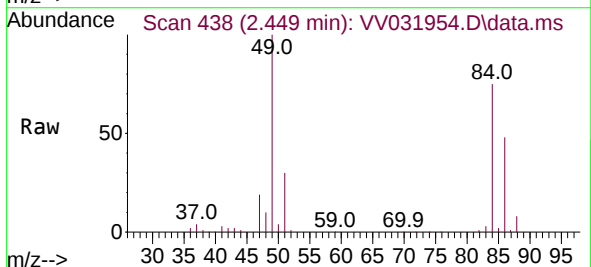
Instrument :
MSVOA_V
ClientSampleId :

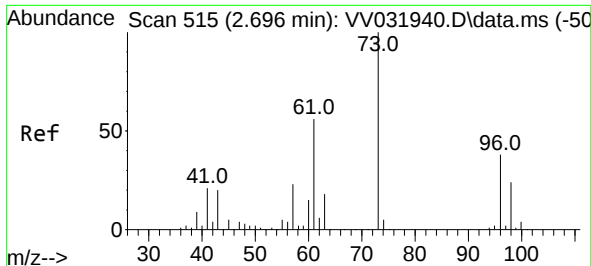
Tgt Ion: 43 Resp: 101428
Ion Ratio Lower Upper
43 100
74 22.1 17.9 26.9



#16
Methylene chloride
Concen: 53.530 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion: 84 Resp: 80273
Ion Ratio Lower Upper
84 100
86 63.3 44.6 82.8
49 132.5 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 45.528 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

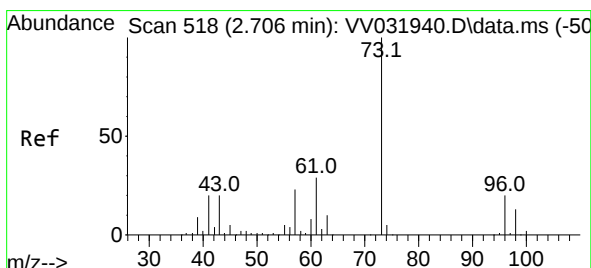
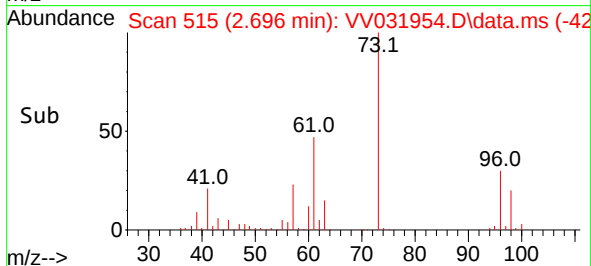
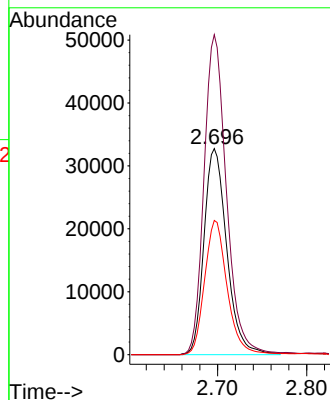
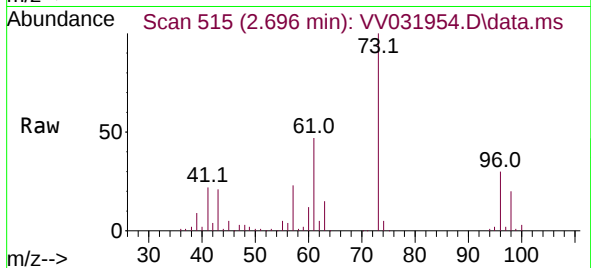
Tgt Ion: 96 Resp: 58247

Ion Ratio Lower Upper

96 100

61 155.2 107.3 199.3

98 65.1 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 54.395 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

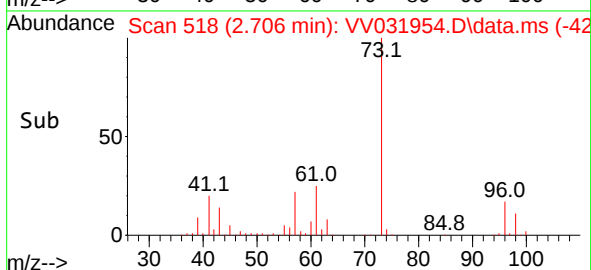
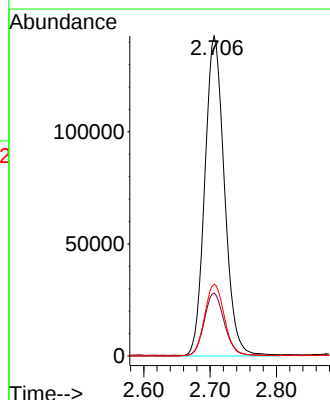
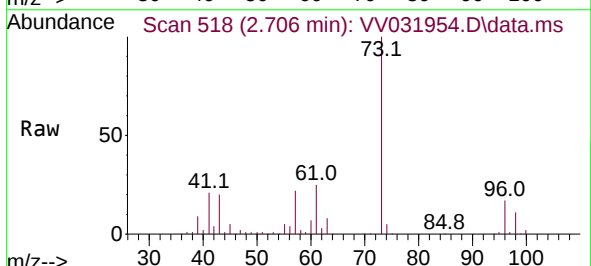
Tgt Ion: 73 Resp: 294116

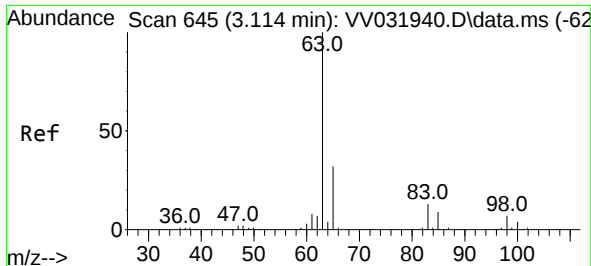
Ion Ratio Lower Upper

73 100

43 19.7 16.6 25.0

57 23.0 17.6 26.4





#19

1,1-Dichloroethane

Concen: 50.311 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

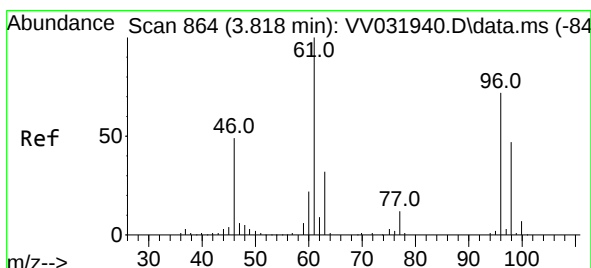
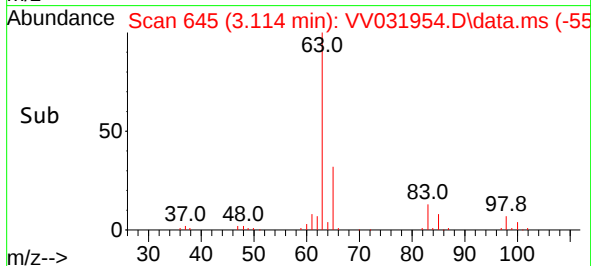
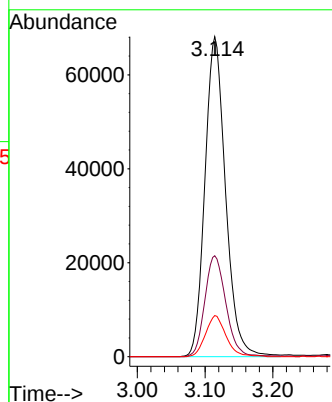
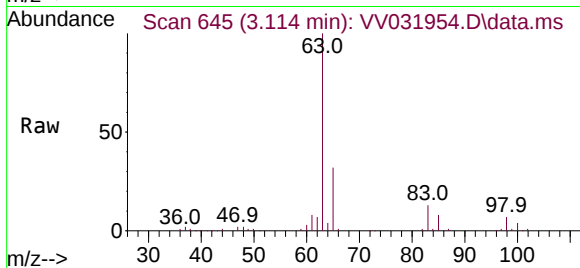
Tgt Ion: 63 Resp: 144248

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 12.9 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 49.784 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

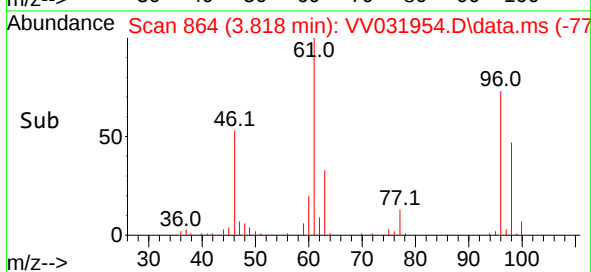
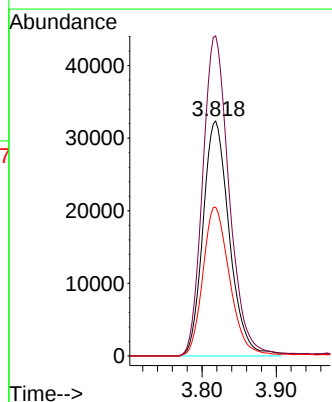
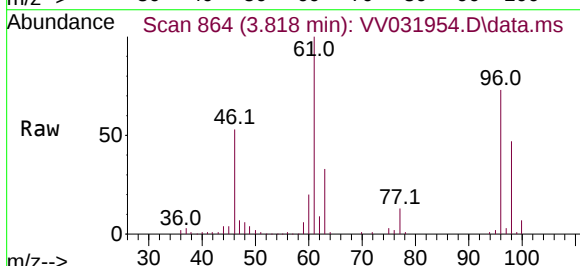
Tgt Ion: 96 Resp: 79908

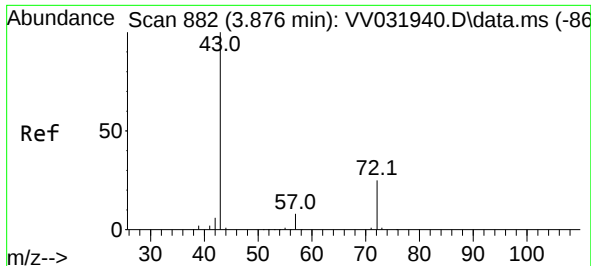
Ion Ratio Lower Upper

96 100

61 136.2 97.3 180.7

98 63.4 45.3 84.1

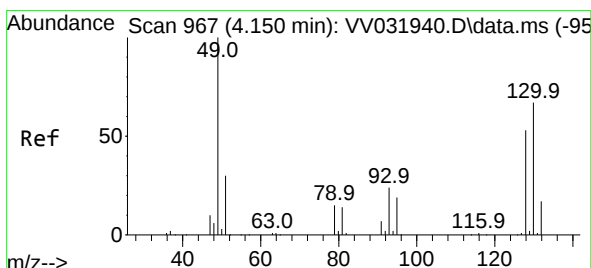
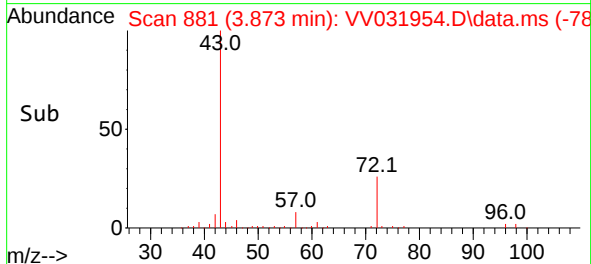
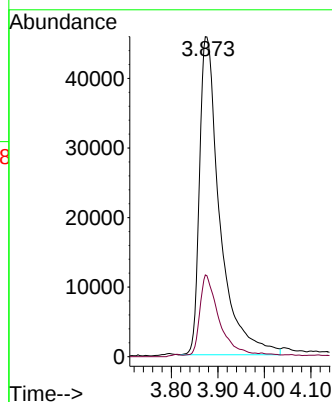
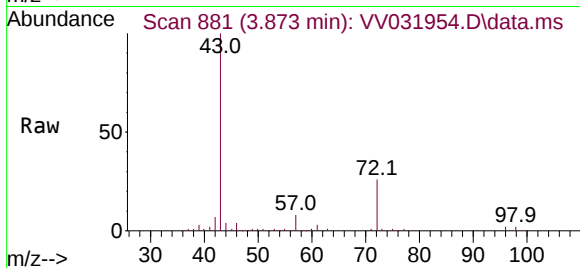




#22
2-Butanone
Concen: 107.568 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

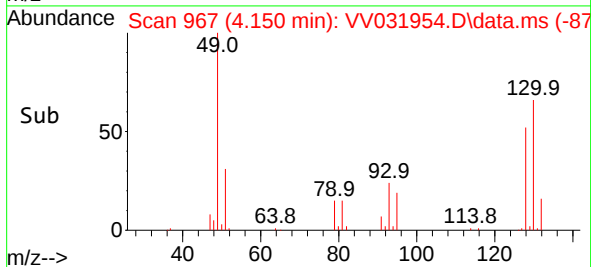
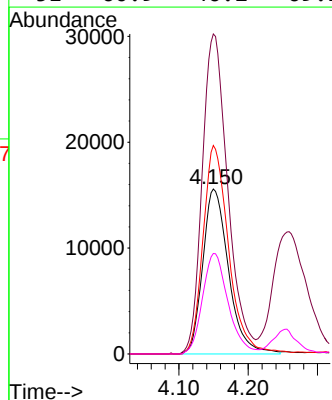
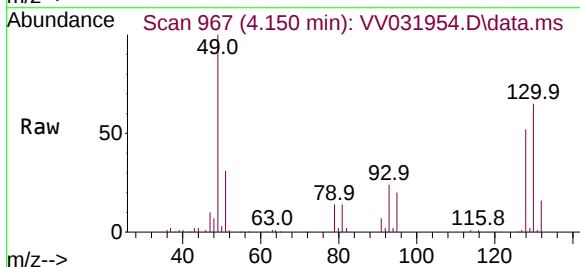
Instrument :
MSVOA_V
ClientSampleId :

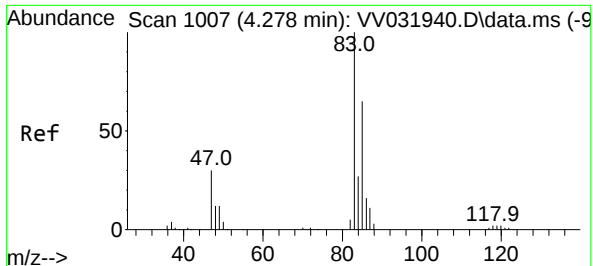
Tgt Ion: 43 Resp: 138845
Ion Ratio Lower Upper
43 100
72 23.4 12.6 37.8



#23
Bromochloromethane
Concen: 51.690 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion:128 Resp: 40252
Ion Ratio Lower Upper
128 100
49 193.9 127.8 237.4
130 126.3 90.1 167.3
51 60.9 46.2 69.2





#25

Chloroform

Concen: 48.398 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

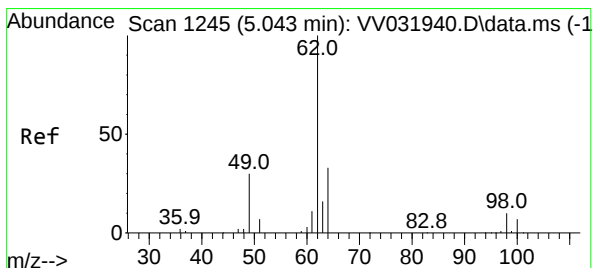
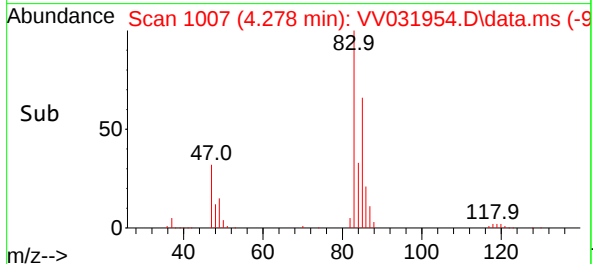
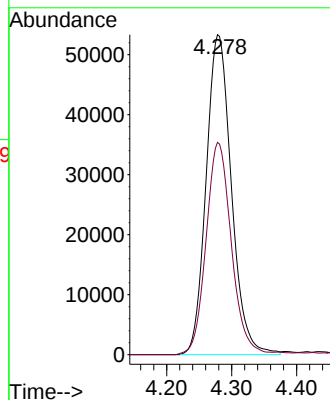
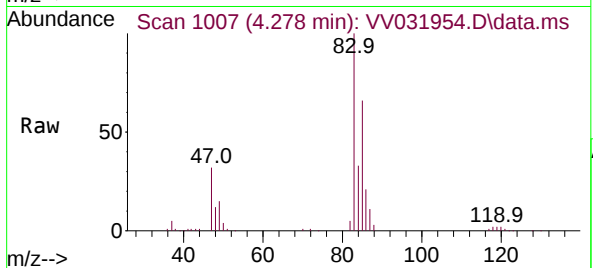
ClientSampleId :

Tgt Ion: 83 Resp: 144275

Ion Ratio Lower Upper

83 100

85 66.3 44.9 83.3



#27

1,2-Dichloroethane

Concen: 51.946 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV031954.D

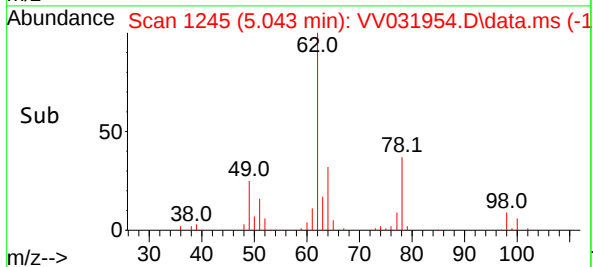
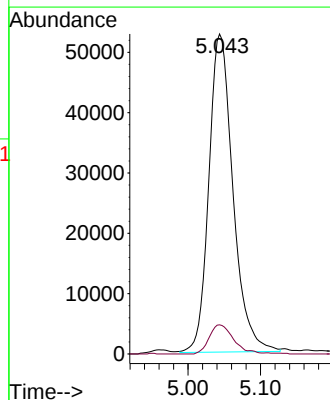
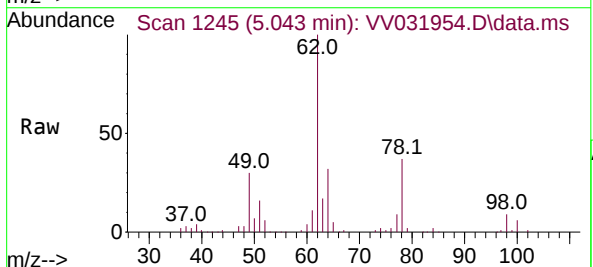
Acq: 28 Aug 2023 20:48

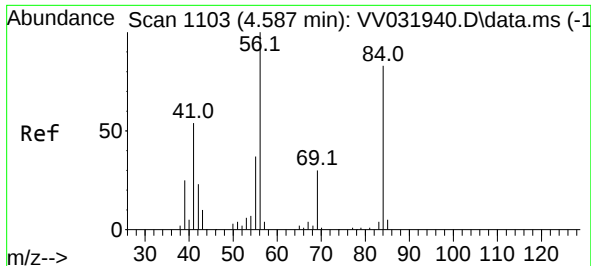
Tgt Ion: 62 Resp: 121995

Ion Ratio Lower Upper

62 100

98 9.1 7.0 10.4

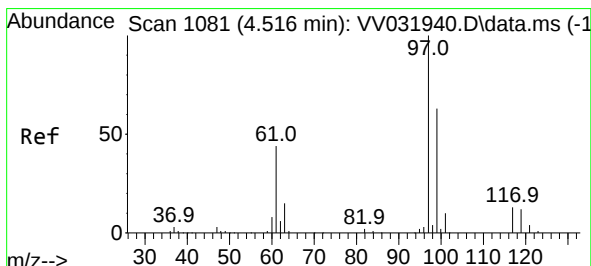
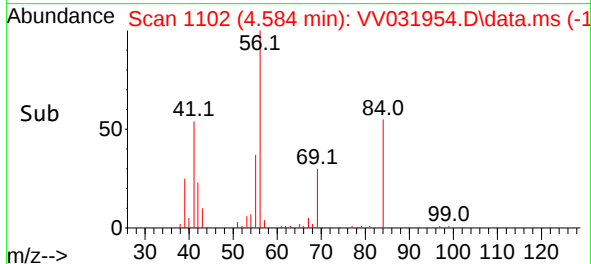
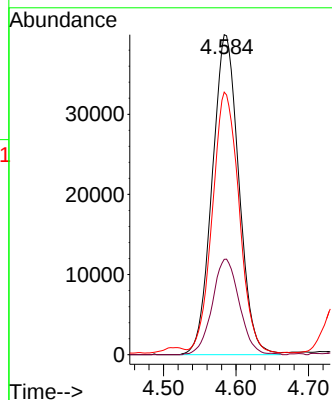
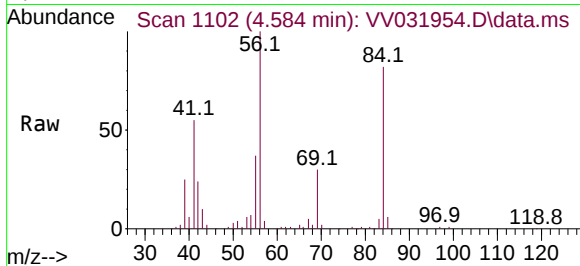




#29
Cyclohexane
Concen: 44.874 ug/L
RT: 4.584 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

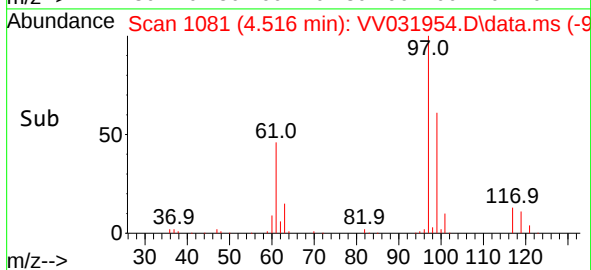
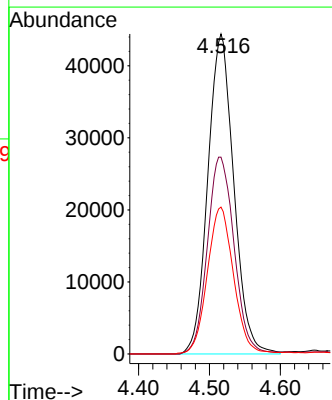
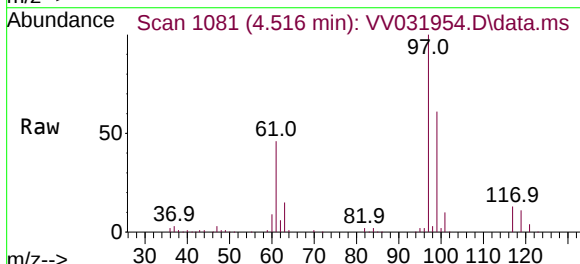
Instrument :
MSVOA_V
ClientSampleId :

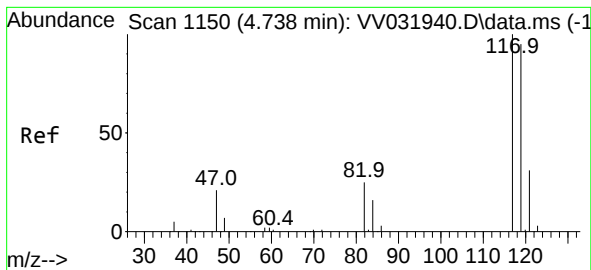
Tgt Ion: 56 Resp: 102046
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.4
84 81.5 67.5 101.3



#30
1,1,1-Trichloroethane
Concen: 44.332 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.003 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion: 97 Resp: 112941
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.4
61 46.4 36.5 54.7





#31

Carbon tetrachloride

Concen: 41.727 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

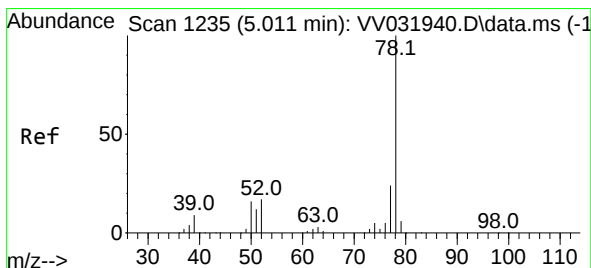
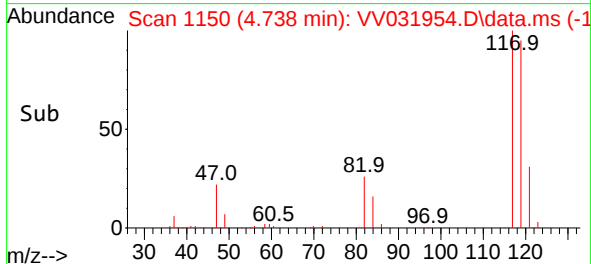
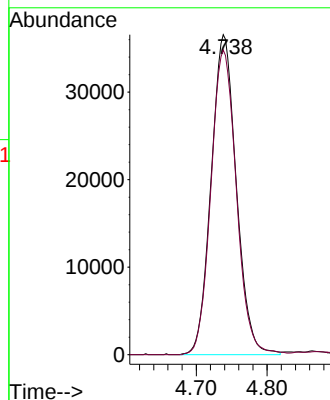
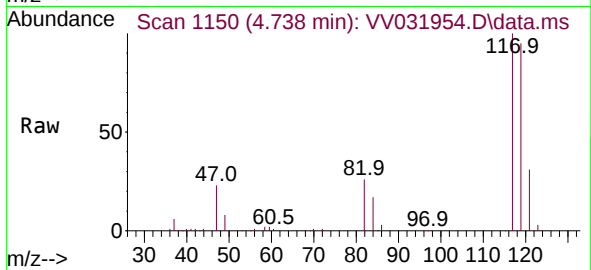
ClientSampleId :

Tgt Ion:117 Resp: 90266

Ion Ratio Lower Upper

117 100

119 95.7 75.4 113.2



#33

Benzene

Concen: 49.610 ug/L

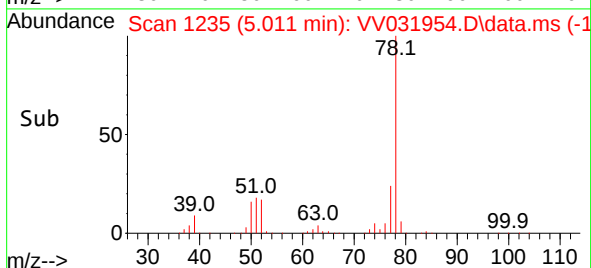
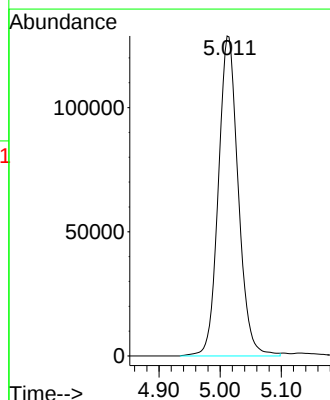
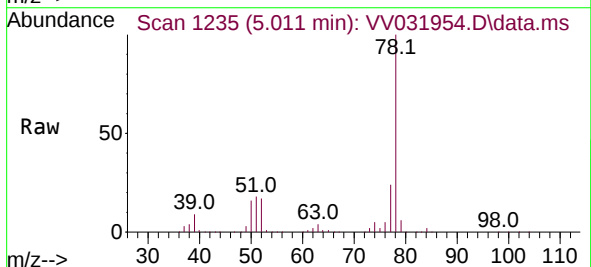
RT: 5.011 min Scan# 1235

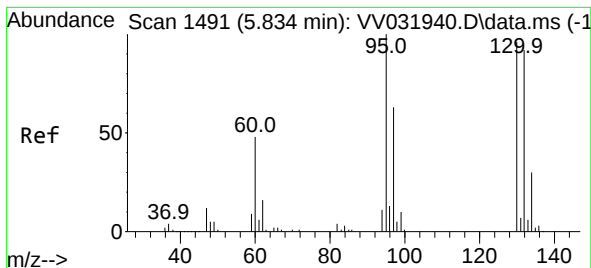
Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Tgt Ion: 78 Resp: 291135





#34

Trichloroethene

Concen: 43.427 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 77941

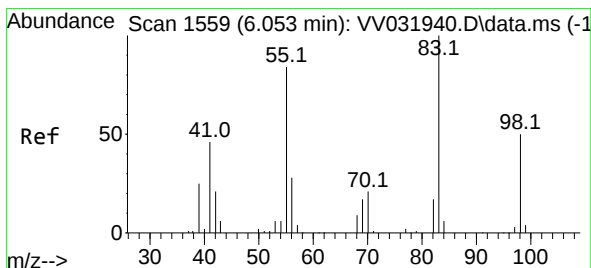
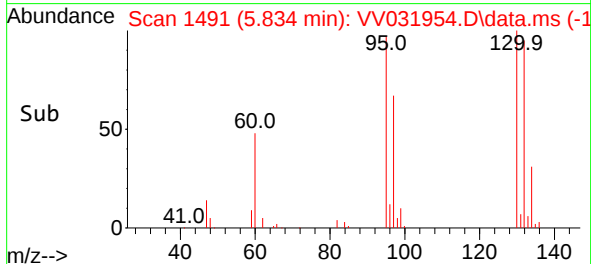
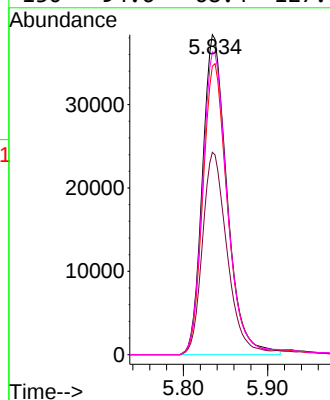
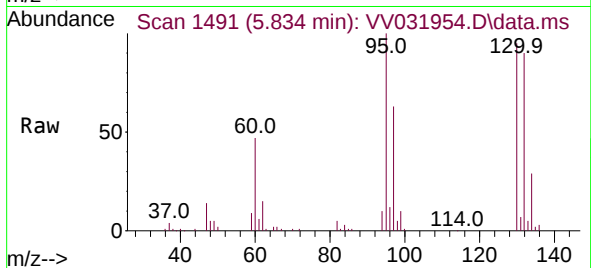
Ion Ratio Lower Upper

95 100

97 63.3 45.4 84.2

132 90.2 65.4 121.4

130 94.6 68.4 127.0



#35

Methylcyclohexane

Concen: 41.775 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

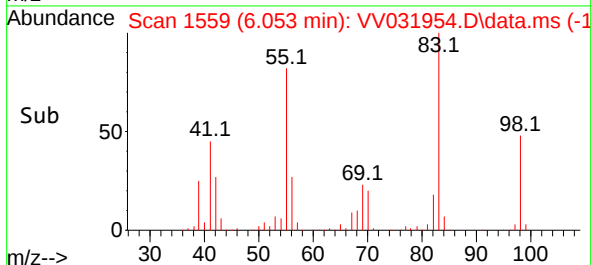
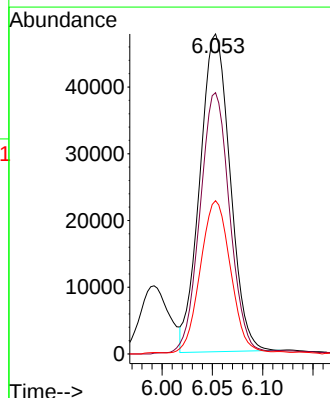
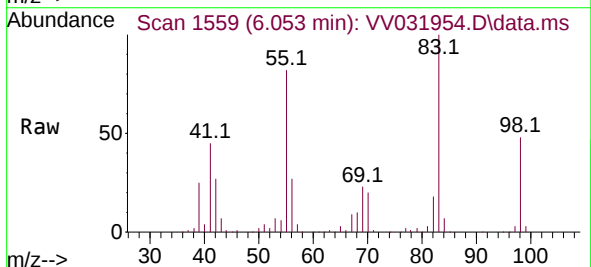
Tgt Ion: 83 Resp: 99727

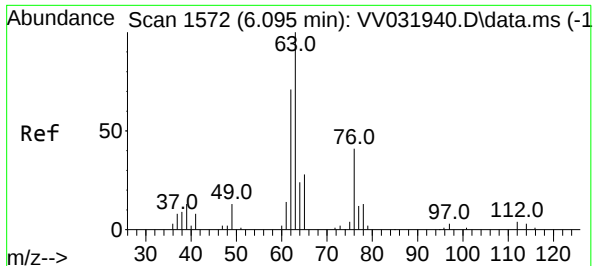
Ion Ratio Lower Upper

83 100

55 81.4 62.2 93.2

98 47.9 36.7 55.1





#37

1,2-Dichloropropane

Concen: 52.421 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

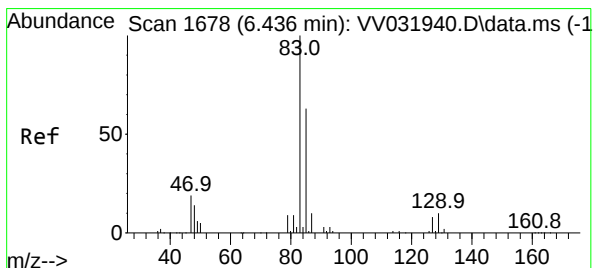
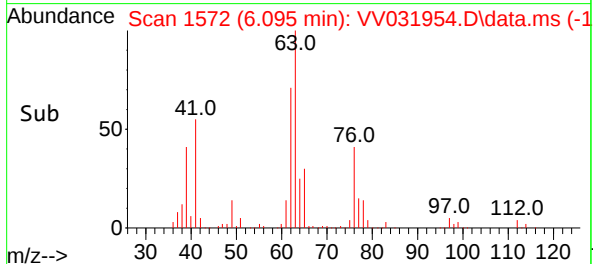
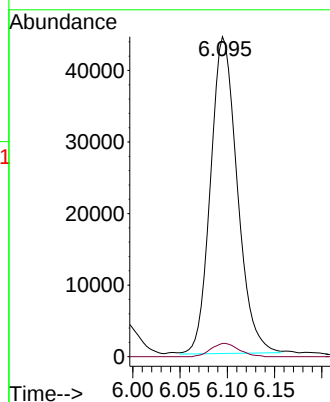
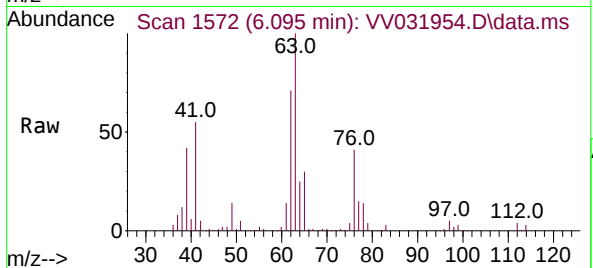
ClientSampleId :

Tgt Ion: 63 Resp: 87198

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 49.464 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

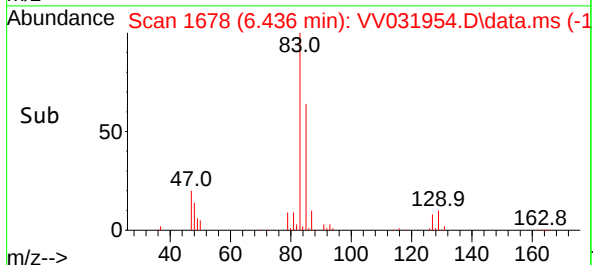
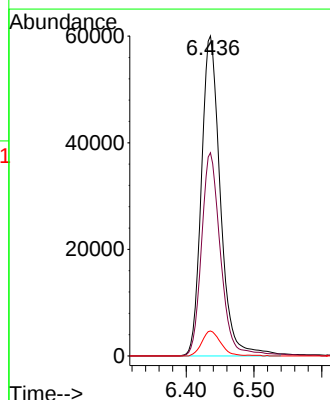
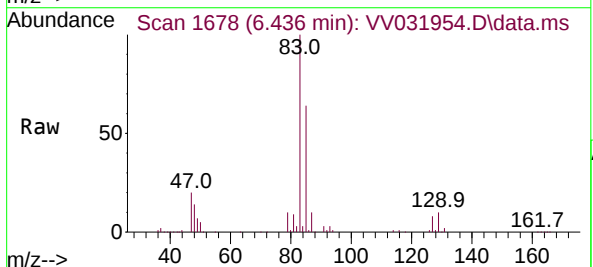
Tgt Ion: 83 Resp: 116788

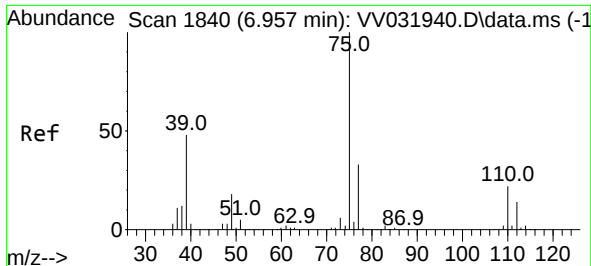
Ion Ratio Lower Upper

83 100

85 63.5 45.2 84.0

127 7.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 49.964 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

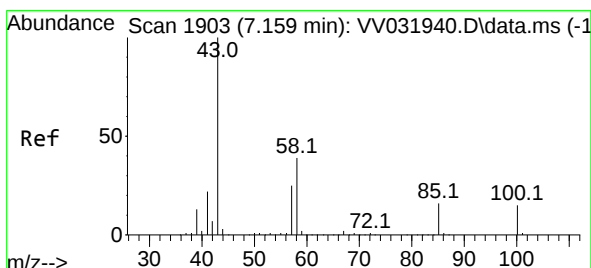
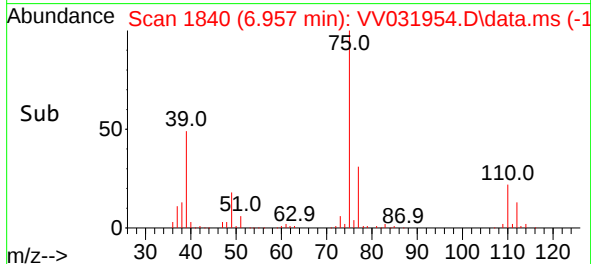
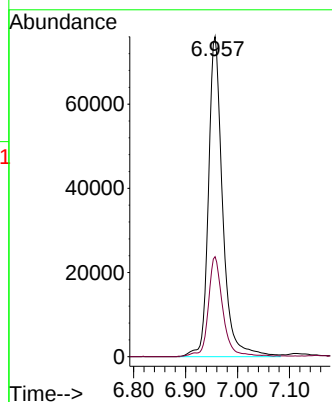
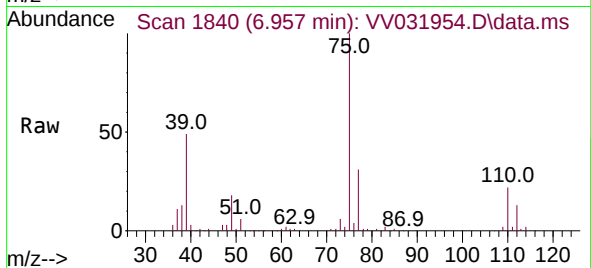
ClientSampleId :

Tgt Ion: 75 Resp: 144495

Ion Ratio Lower Upper

75 100

77 31.3 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 112.794 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

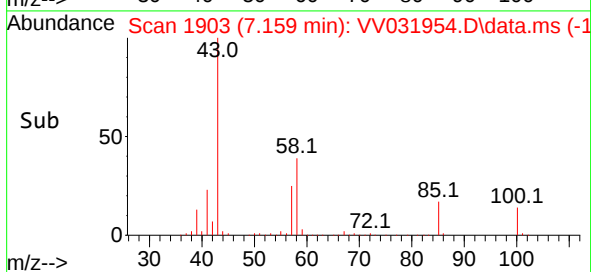
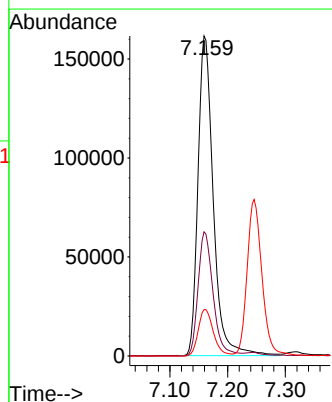
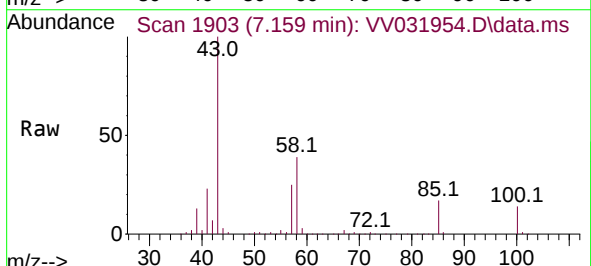
Tgt Ion: 43 Resp: 297794

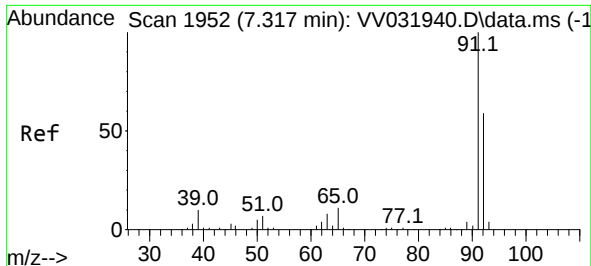
Ion Ratio Lower Upper

43 100

58 37.9 31.1 46.7

100 14.3 11.9 17.9





#42

Toluene

Concen: 47.494 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

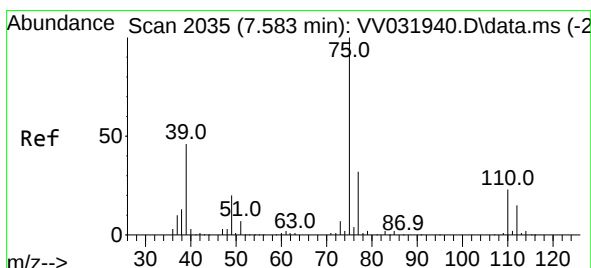
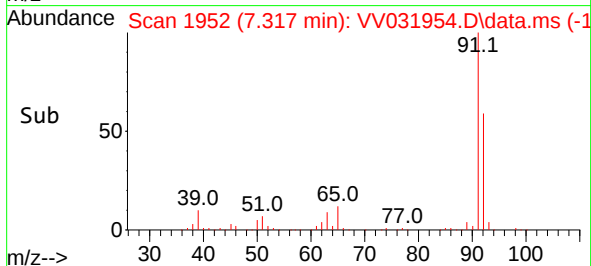
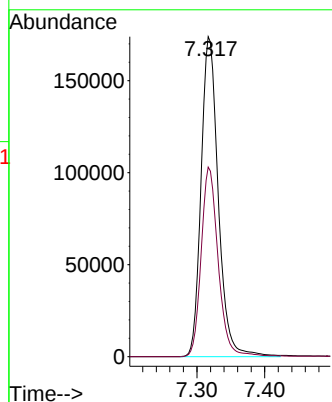
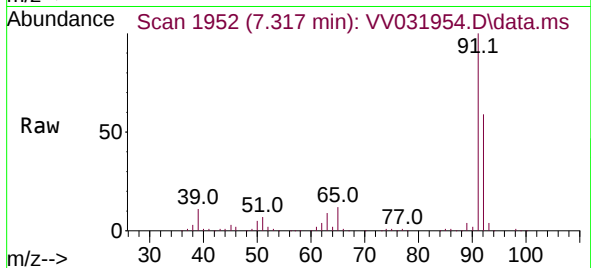
ClientSampleId :

Tgt Ion: 91 Resp: 306593

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 49.386 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031954.D

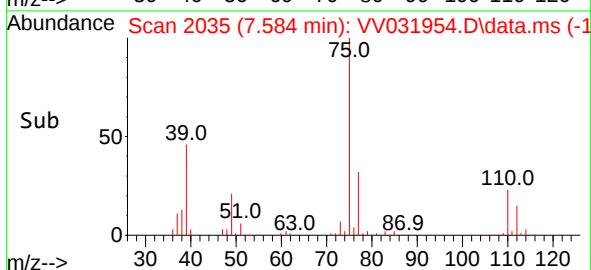
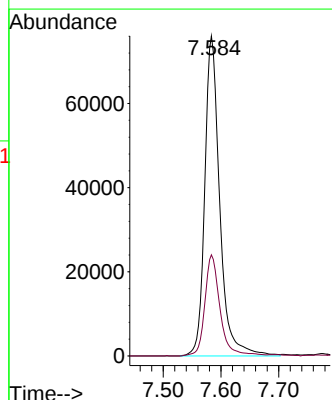
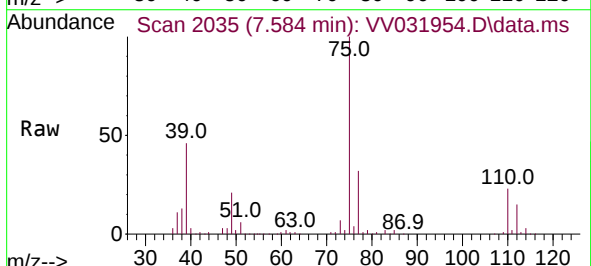
Acq: 28 Aug 2023 20:48

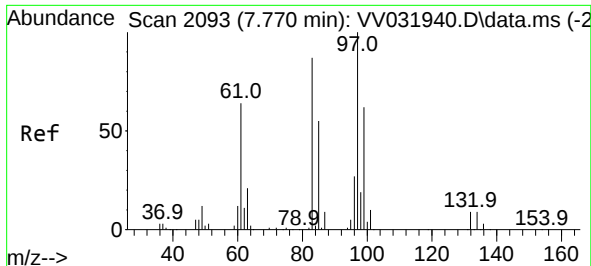
Tgt Ion: 75 Resp: 137228

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 52.810 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 88748

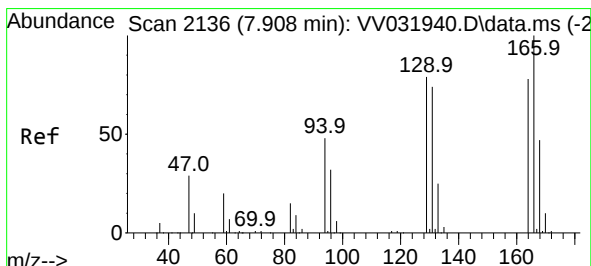
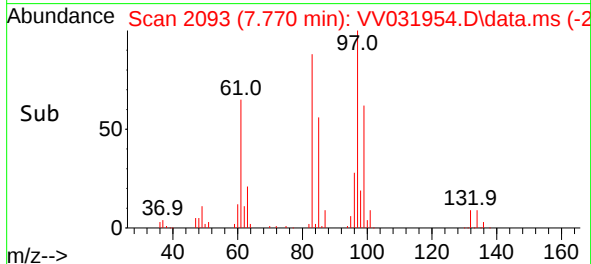
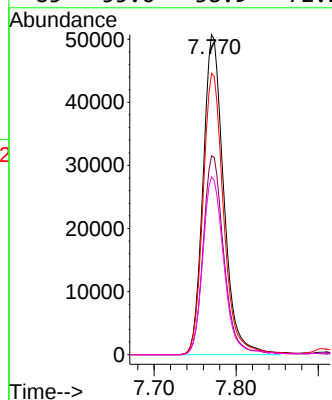
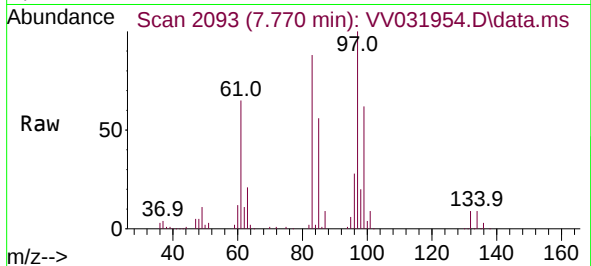
Ion Ratio Lower Upper

97 100

99 62.1 43.0 79.8

83 87.9 61.2 113.6

85 55.6 38.9 72.2



#46

Tetrachloroethene

Concen: 43.415 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Tgt Ion:164 Resp: 48926

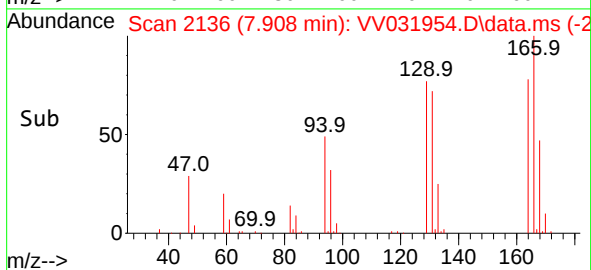
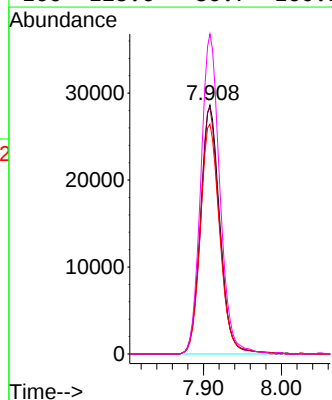
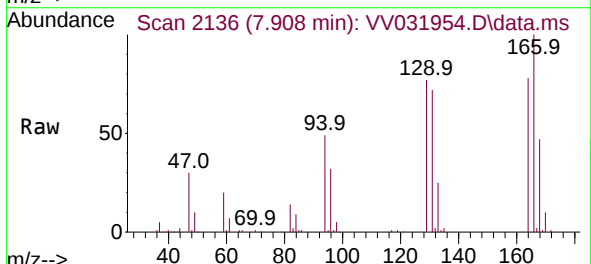
Ion Ratio Lower Upper

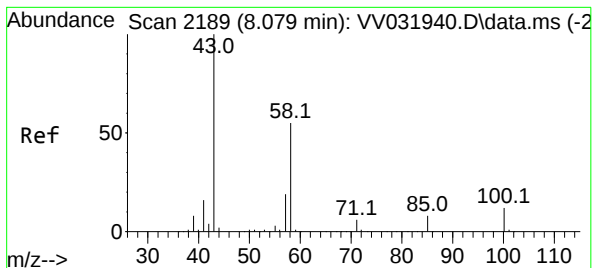
164 100

129 99.0 68.3 126.9

131 92.3 64.9 120.5

166 128.6 86.7 160.9





#48

2-Hexanone

Concen: 108.143 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 218039

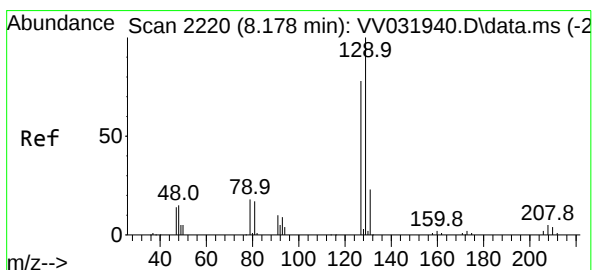
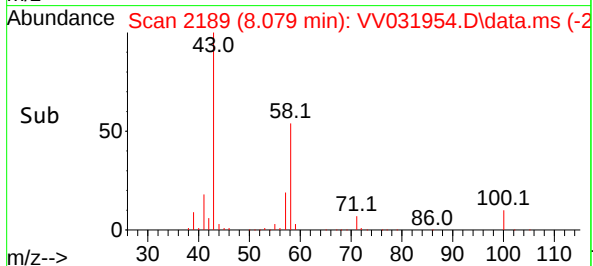
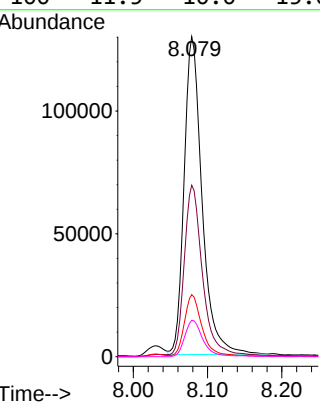
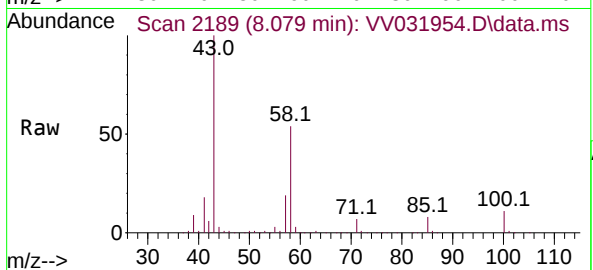
Ion Ratio Lower Upper

43 100

58 54.6 44.0 66.0

57 19.1 15.9 23.9

100 11.5 10.0 15.0



#49

Dibromochloromethane

Concen: 49.982 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.000 min

Lab File: VV031954.D

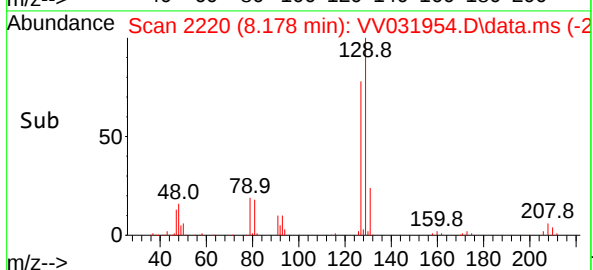
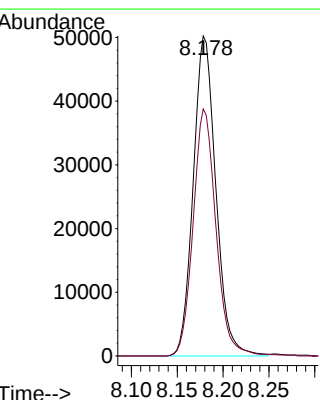
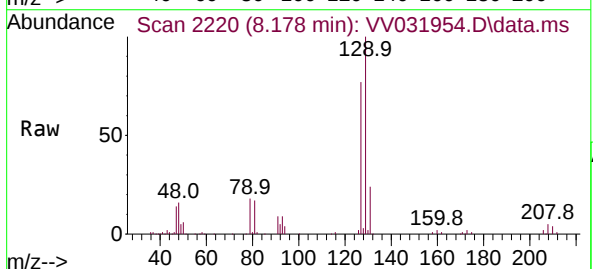
Acq: 28 Aug 2023 20:48

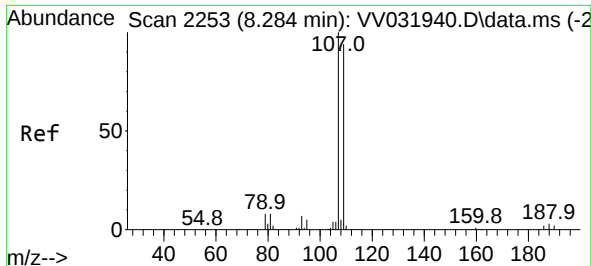
Tgt Ion: 129 Resp: 86313

Ion Ratio Lower Upper

129 100

127 77.2 54.7 101.7





#50

1,2-Dibromoethane

Concen: 50.491 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031954.D

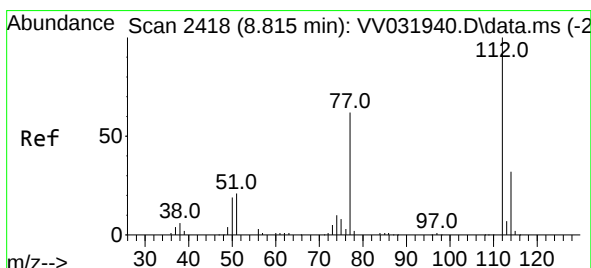
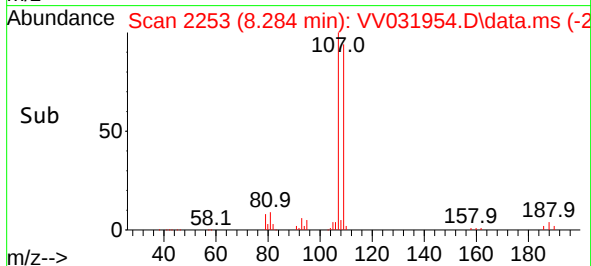
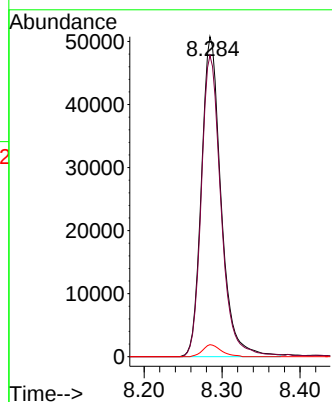
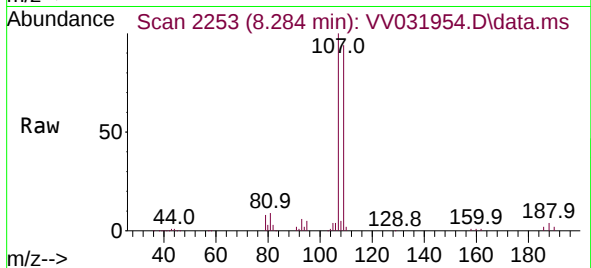
Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	88872
Ion Ratio	Lower	Upper
107	100	
109	94.1	65.4 121.4
188	3.7	2.8 4.2



#51

Chlorobenzene

Concen: 47.297 ug/L

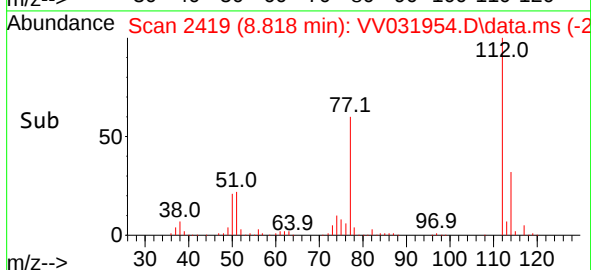
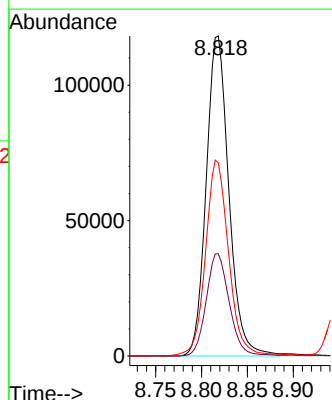
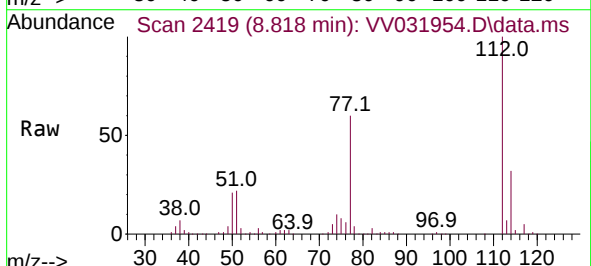
RT: 8.818 min Scan# 2419

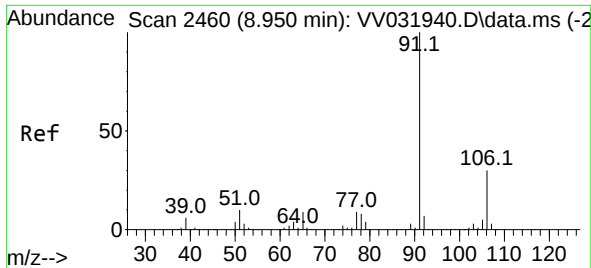
Delta R.T. 0.003 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Tgt Ion:112	Resp:	202880
Ion Ratio	Lower	Upper
112	100	
114	31.9	22.0 40.8
77	60.3	49.4 74.0

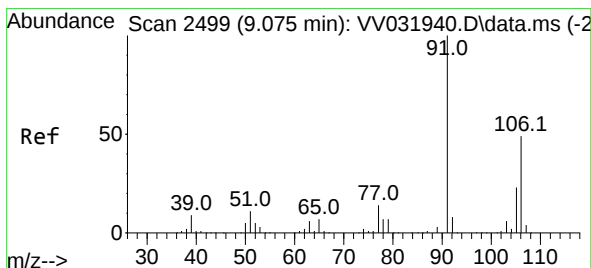
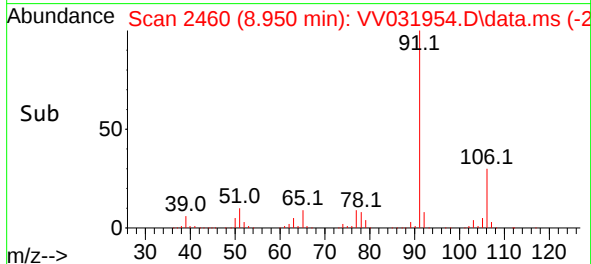
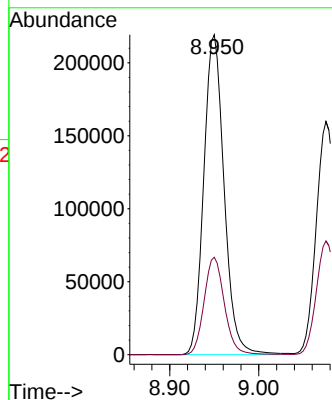
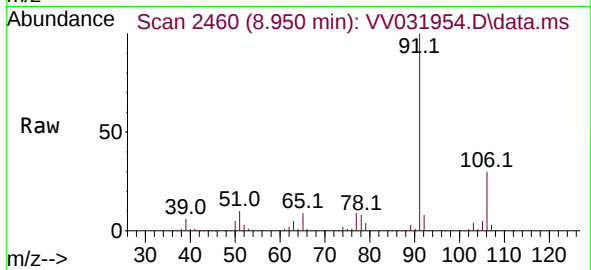




#52
Ethylbenzene
Concen: 45.345 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

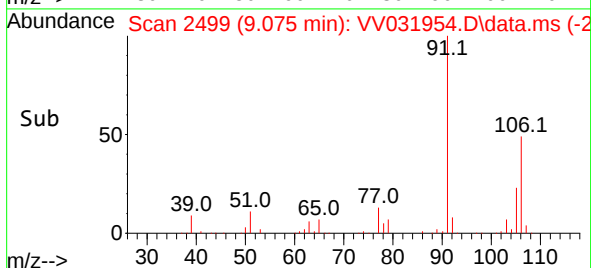
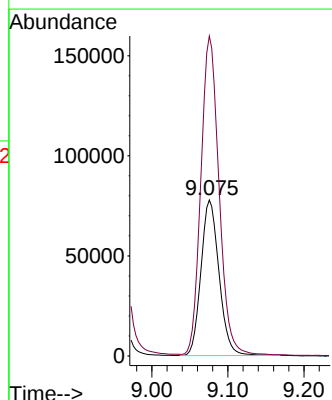
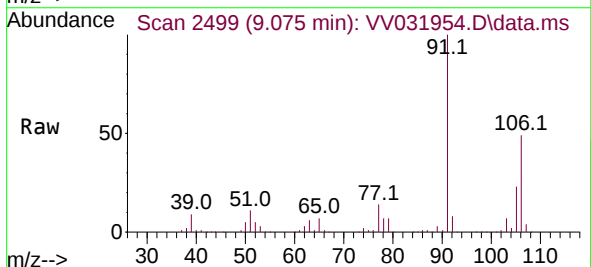
Instrument :
MSVOA_V
ClientSampleId :

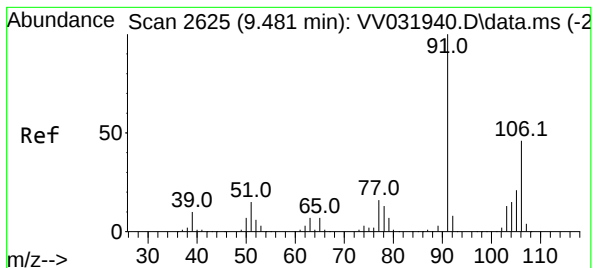
Tgt Ion: 91 Resp: 346741
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 45.087 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion: 106 Resp: 128014
Ion Ratio Lower Upper
106 100
91 205.1 147.0 273.0





#54

o-Xylene

Concen: 46.808 ug/L

RT: 9.481 min Scan# 2625

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

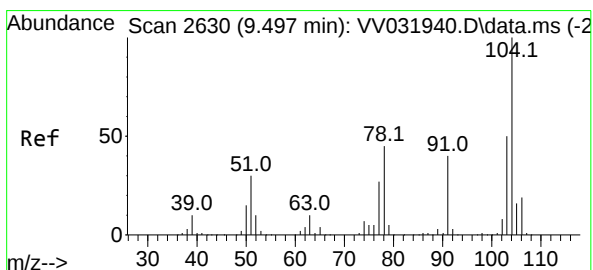
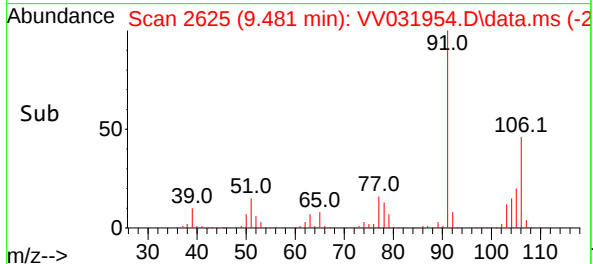
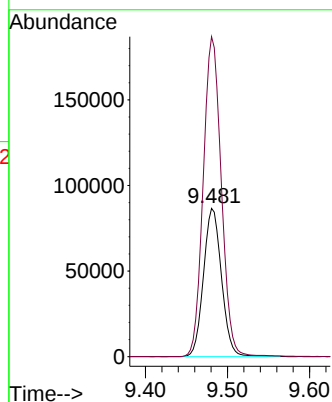
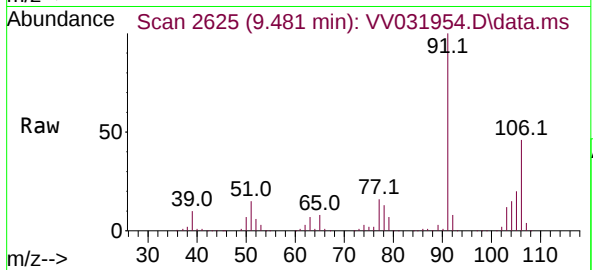
ClientSampleId :

Tgt Ion:106 Resp: 132177

Ion Ratio Lower Upper

106 100

91 215.7 154.3 286.5



#55

Styrene

Concen: 47.391 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.003 min

Lab File: VV031954.D

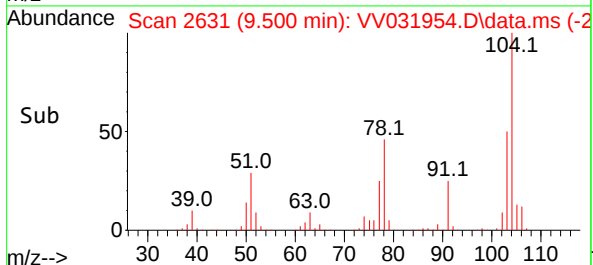
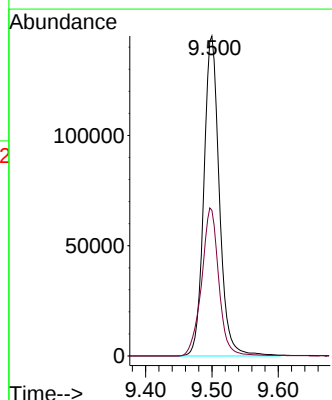
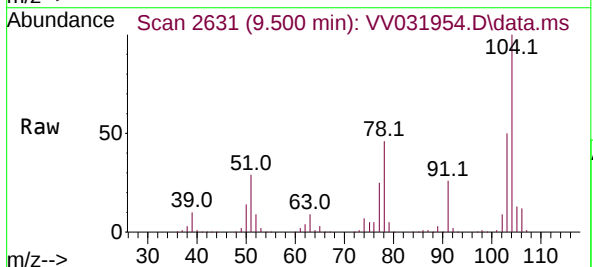
Acq: 28 Aug 2023 20:48

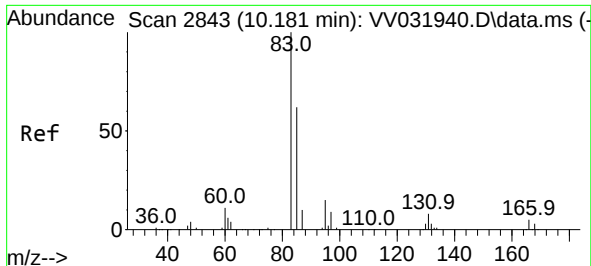
Tgt Ion:104 Resp: 236575

Ion Ratio Lower Upper

104 100

78 45.6 32.3 59.9

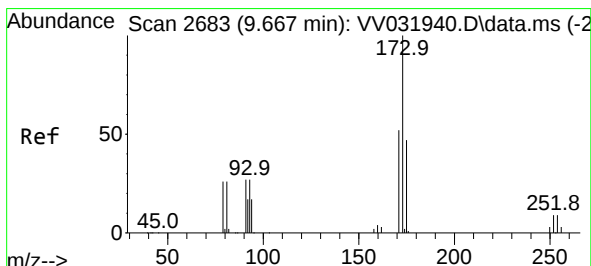
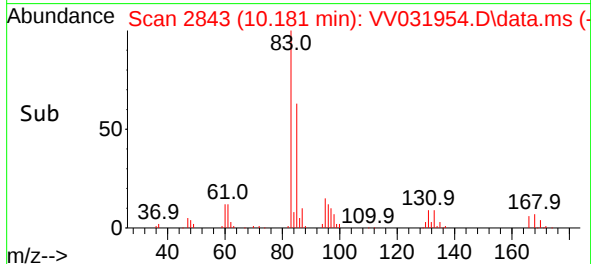
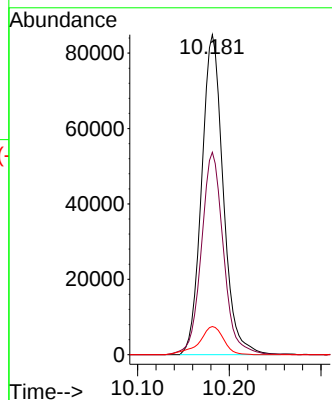
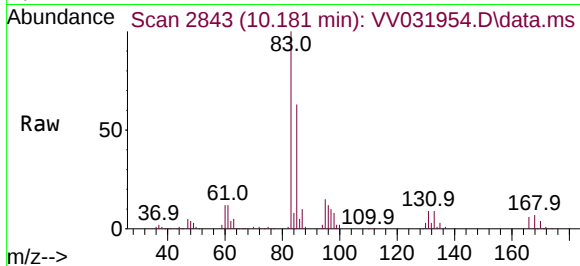




#57
1,1,2,2-Tetrachloroethane
Concen: 58.345 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

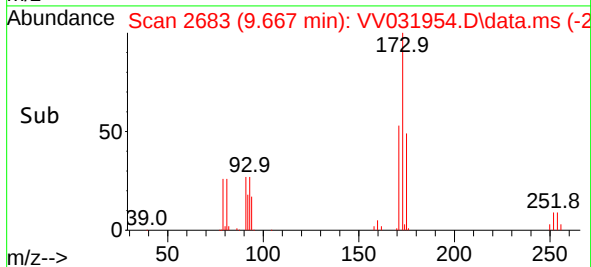
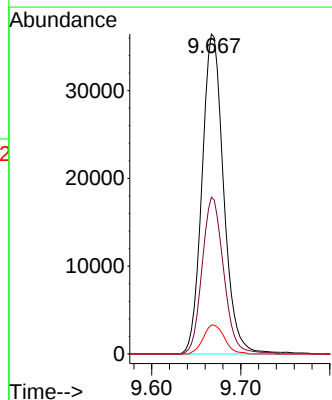
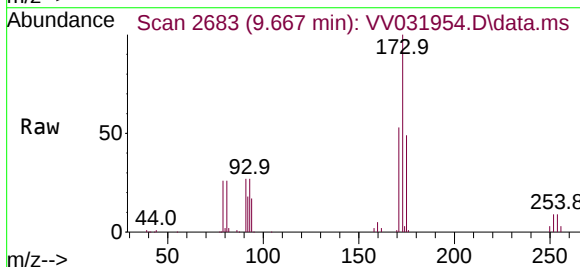
Instrument :
MSVOA_V
ClientSampleId :

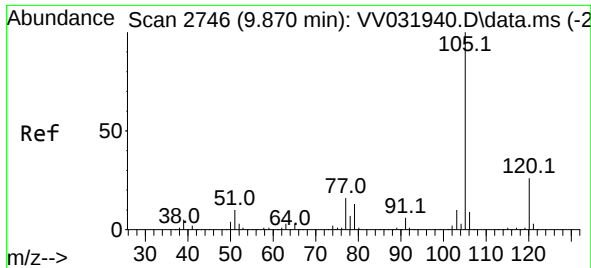
Tgt Ion: 83 Resp: 138799
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.9
131 8.8 7.4 11.2



#59
Bromoform
Concen: 51.805 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion: 173 Resp: 61476
Ion Ratio Lower Upper
173 100
175 48.9 38.3 57.5
254 8.9 6.9 10.3

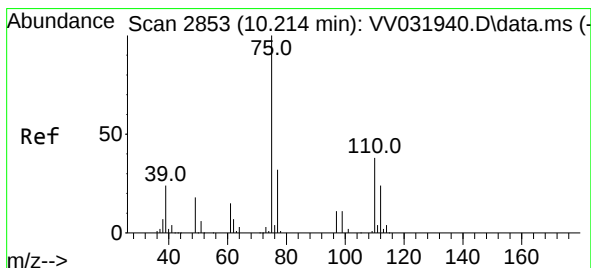
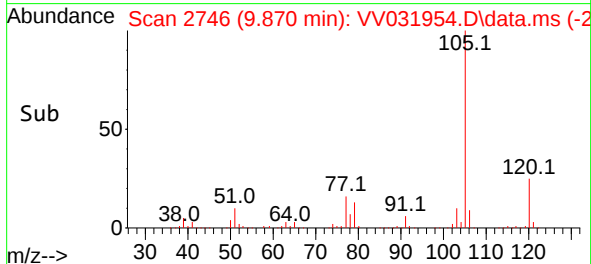
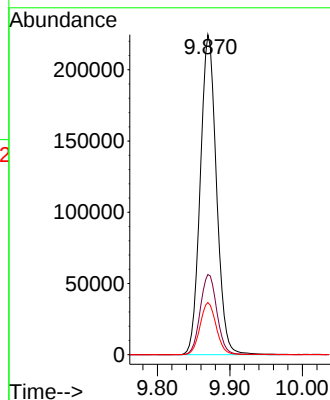
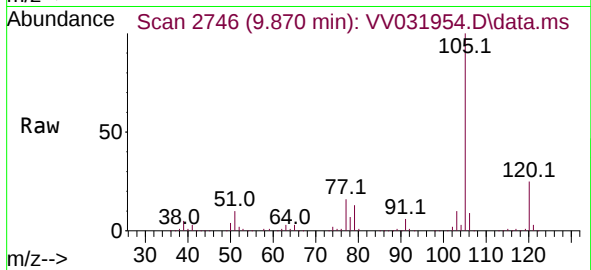




#60
Isopropylbenzene
Concen: 45.458 ug/L
RT: 9.870 min Scan# 2746
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

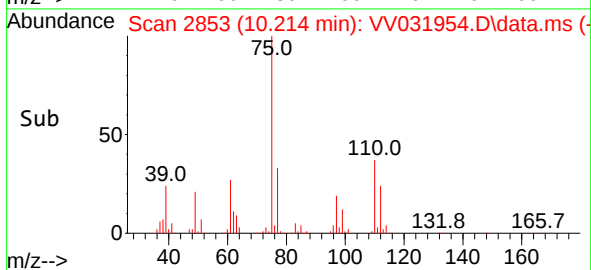
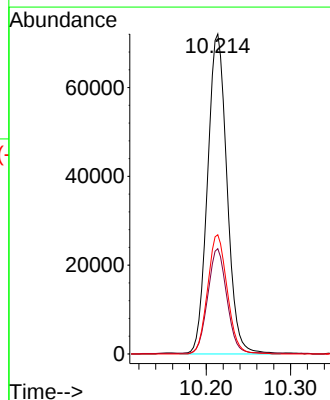
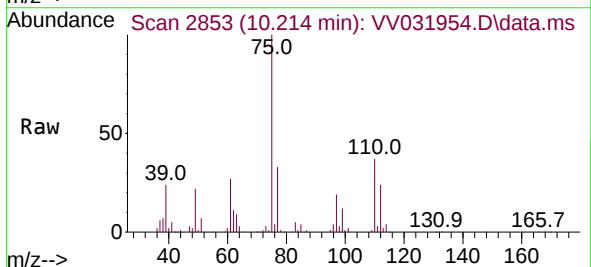
Instrument :
MSVOA_V
ClientSampleId :

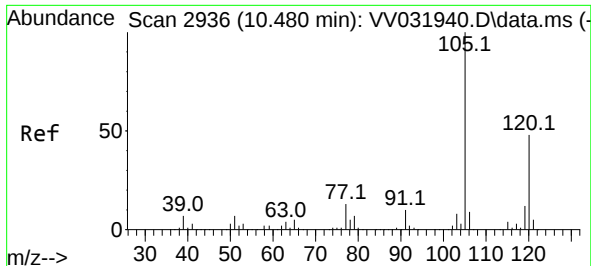
Tgt Ion:105 Resp: 348419
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.2 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 53.631 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion: 75 Resp: 115951
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5
110 37.5 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.376 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

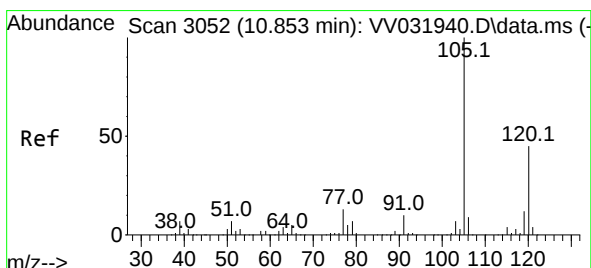
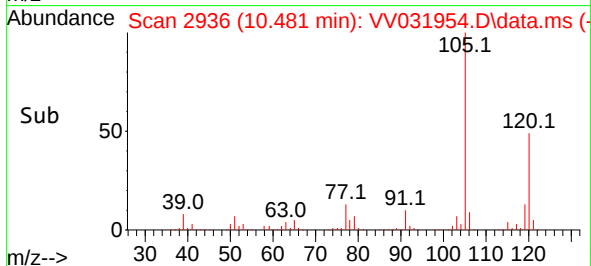
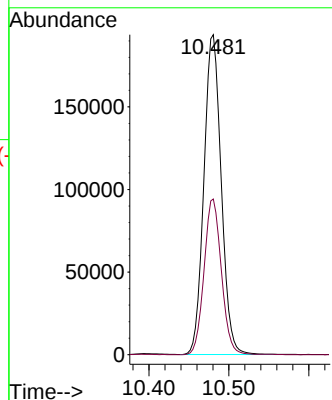
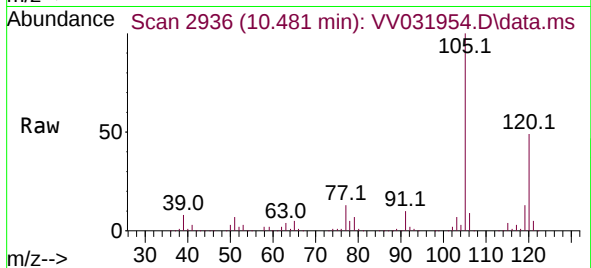
ClientSampleId :

Tgt Ion:105 Resp: 292599

Ion Ratio Lower Upper

105 100

120 48.6 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 45.768 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV031954.D

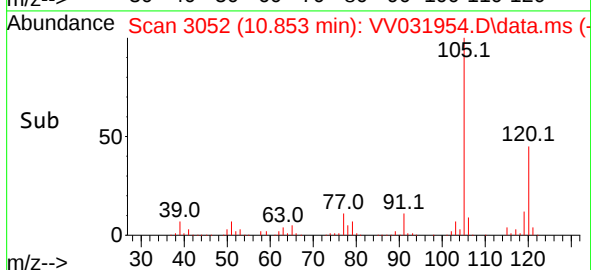
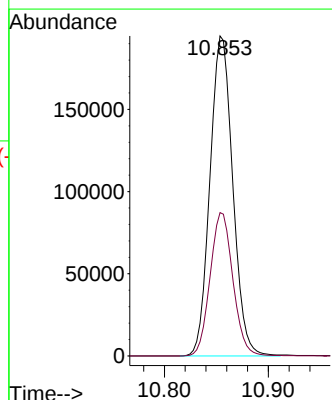
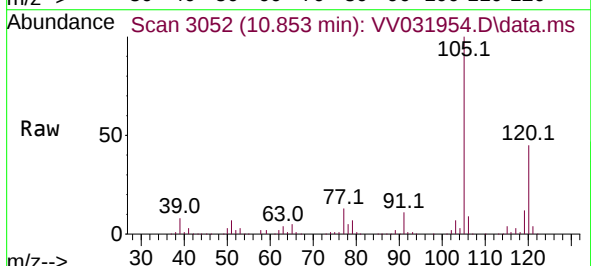
Acq: 28 Aug 2023 20:48

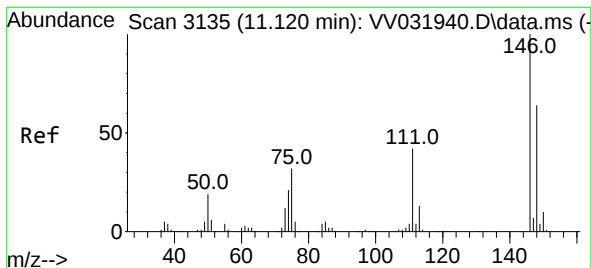
Tgt Ion:105 Resp: 296888

Ion Ratio Lower Upper

105 100

120 44.8 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 47.578 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

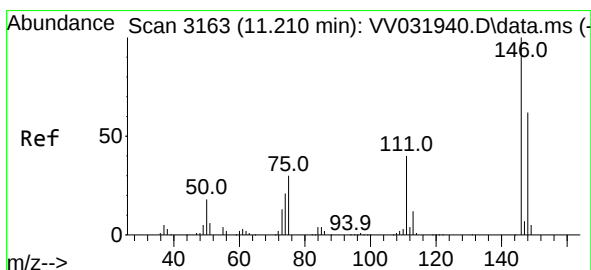
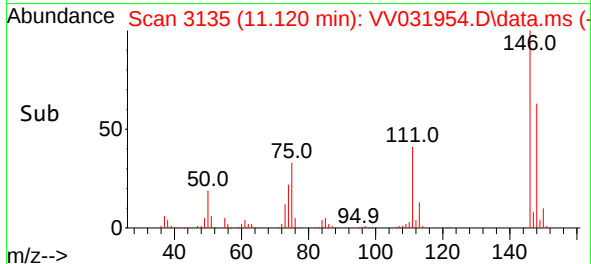
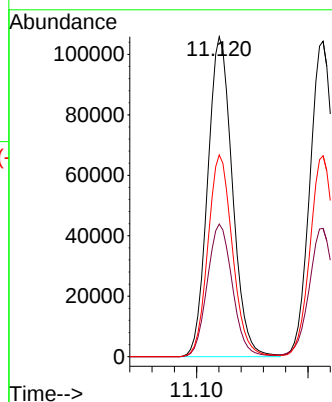
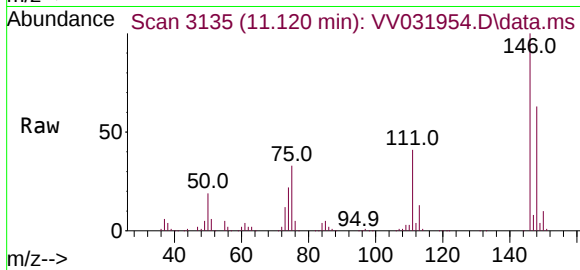
Tgt Ion:146 Resp: 163432

Ion Ratio Lower Upper

146 100

111 41.5 30.2 56.0

148 63.1 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 46.716 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

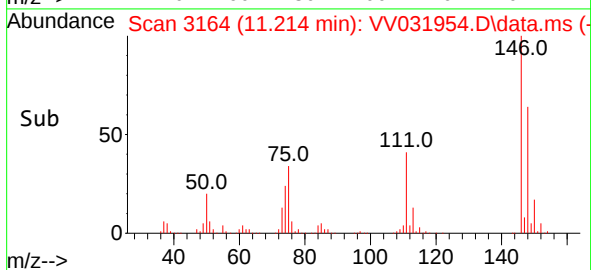
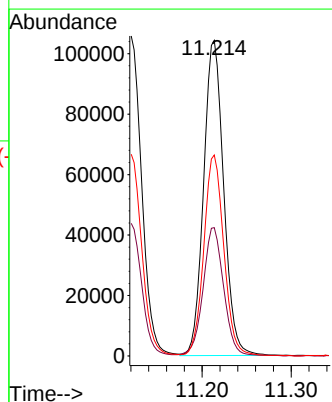
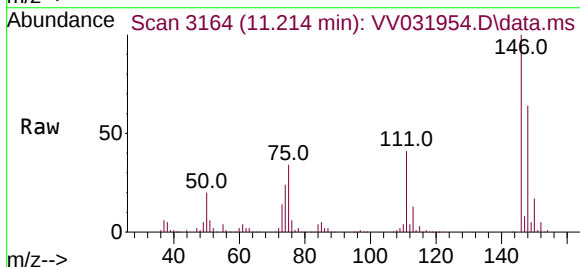
Tgt Ion:146 Resp: 163175

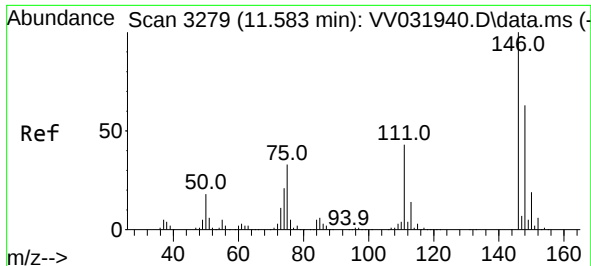
Ion Ratio Lower Upper

146 100

111 40.6 28.5 52.9

148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 47.758 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

Instrument :

MSVOA_V

ClientSampleId :

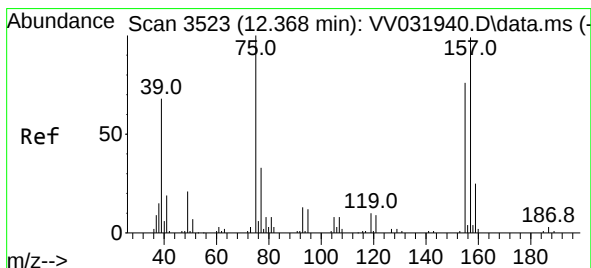
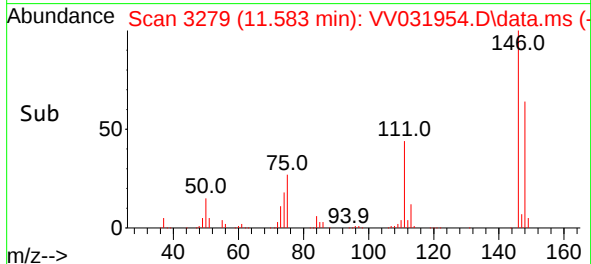
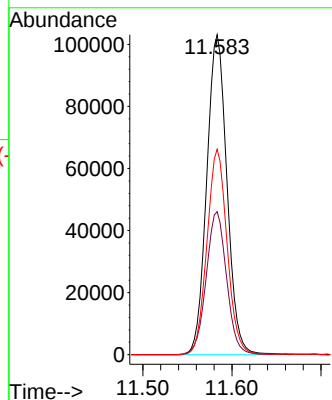
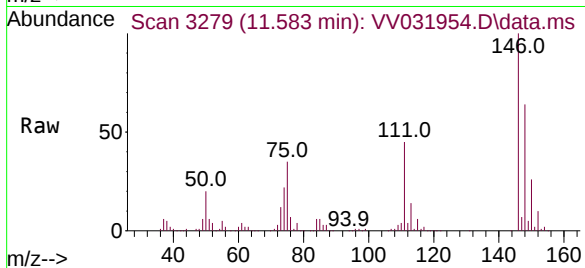
Tgt Ion:146 Resp: 162559

Ion Ratio Lower Upper

146 100

111 44.7 35.8 53.6

148 64.2 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 50.660 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV031954.D

Acq: 28 Aug 2023 20:48

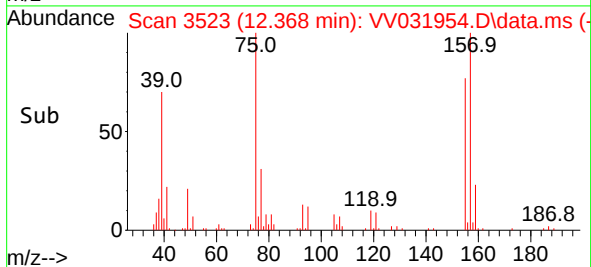
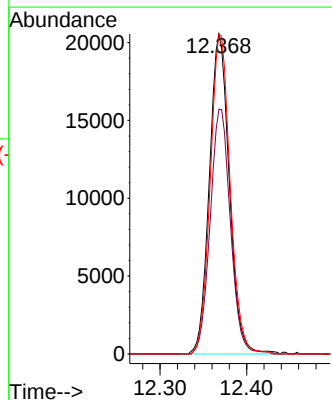
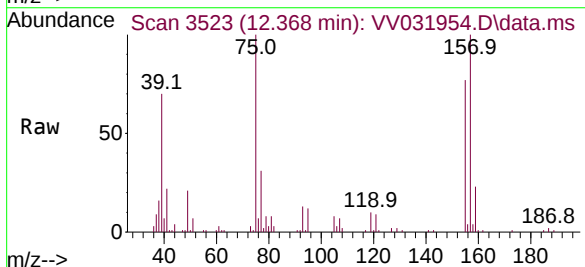
Tgt Ion: 75 Resp: 32899

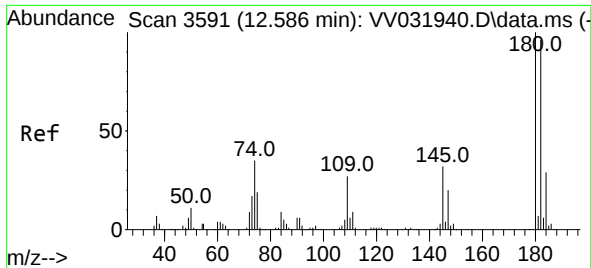
Ion Ratio Lower Upper

75 100

155 76.5 60.1 90.1

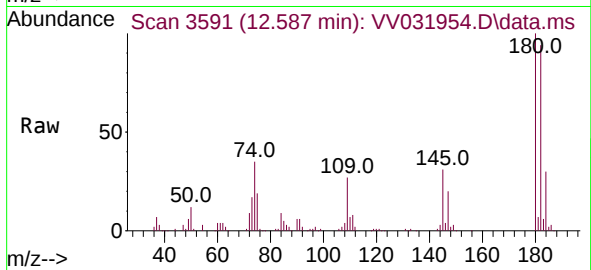
157 100.0 77.3 115.9



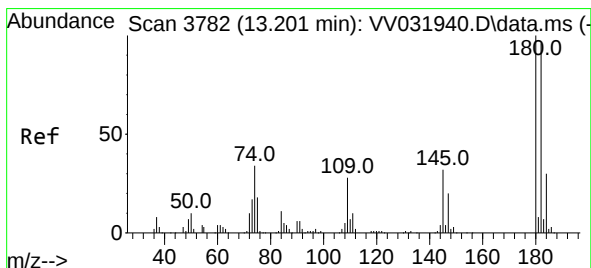
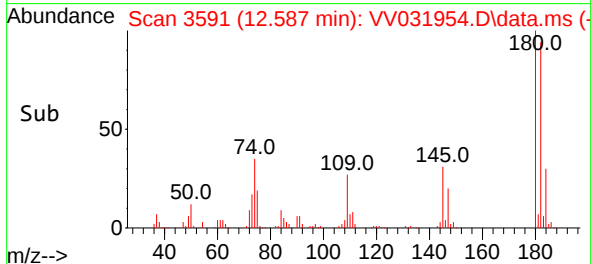
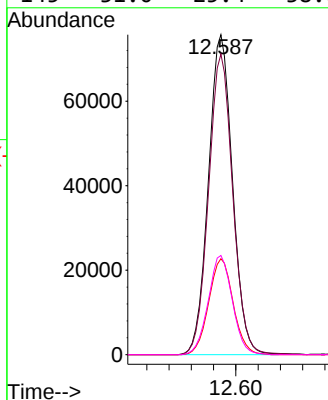


#69
 1,3,5-Trichlorobenzene
 Concen: 45.362 ug/L
 RT: 12.587 min Scan# 3591
 Delta R.T. 0.000 min
 Lab File: VV031954.D
 Acq: 28 Aug 2023 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

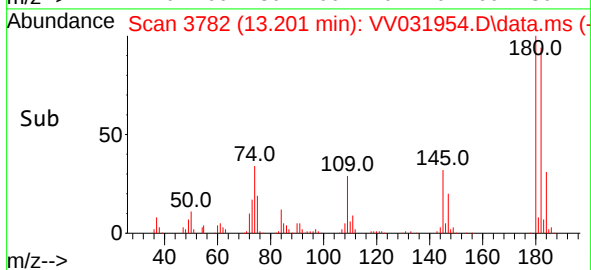
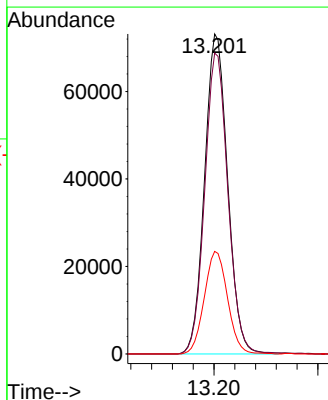
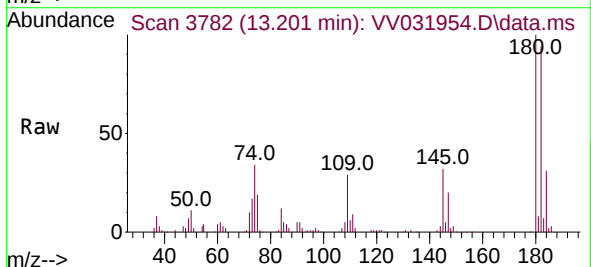


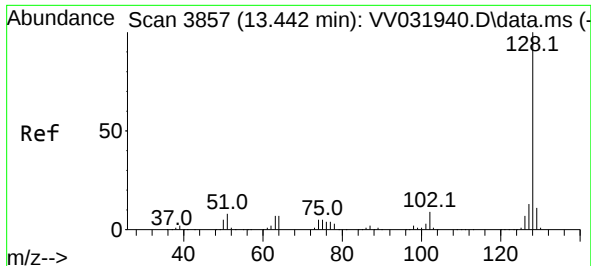
Tgt Ion:180 Resp: 113594
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.4 113.2
 184 30.5 23.7 35.5
 145 31.0 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 46.858 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV031954.D
 Acq: 28 Aug 2023 20:48

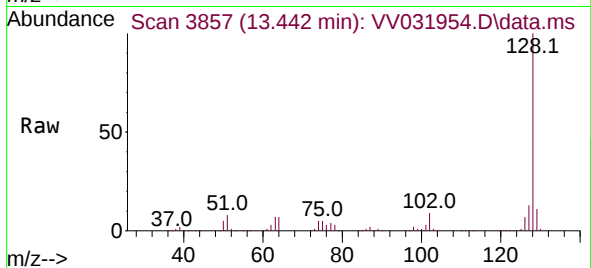
Tgt Ion:180 Resp: 112632
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.4 113.2
 145 32.3 26.0 39.0



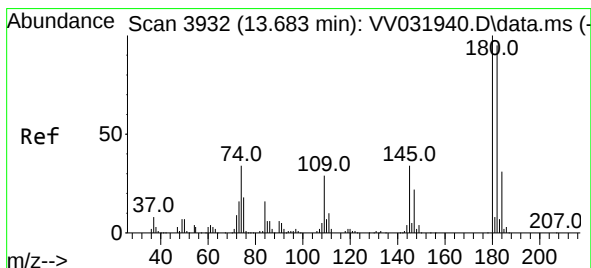
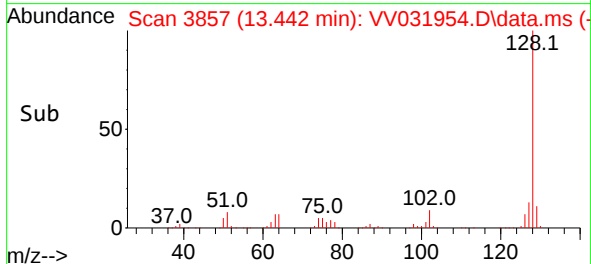
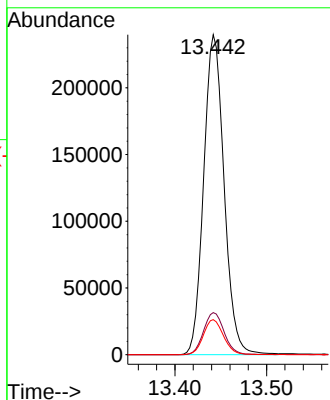


#71
Naphthalene
Concen: 48.343 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 371253
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 47.366 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV031954.D
Acq: 28 Aug 2023 20:48

Tgt Ion:180 Resp: 109097
Ion Ratio Lower Upper
180 100
182 94.8 76.7 115.1
145 34.3 27.7 41.5

