

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110623\
 Data File : VW032856.D
 Acq On : 06 Nov 2023 16:21
 Operator : SY/MD
 Sample : 05259-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 07 01:37:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 07 01:35:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	359104	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	400760	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	222782	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	117818	34.495	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.980%
7) Chloroethane-d5	1.532	69	109949	38.489	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.980%
11) 1,1-Dichloroethene-d2	2.060	65	50133	35.536	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.080%
21) 2-Butanone-d5	3.786	46	149355	100.813	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.810%
24) Chloroform-d	4.252	84	242362	44.455	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.920%
26) 1,2-Dichloroethane-d4	4.944	65	152433	44.987	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
32) Benzene-d6	4.963	84	441976	42.893	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.780%
36) 1,2-Dichloropropane-d6	5.992	67	134684	43.024	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.040%
41) Toluene-d8	7.246	98	451741	44.524	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.040%
43) trans-1,3-Dichloroprop...	7.554	79	74843	45.905	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.820%
47) 2-Hexanone-d5	8.027	63	116954	102.336	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.340%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	229224	48.253	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.500%
66) 1,2-Dichlorobenzene-d4	11.564	152	194735	45.359	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	129100	40.857	ug/L	100
3) Chloromethane	1.217	50	127065	41.567	ug/L	99
5) Vinyl chloride	1.285	62	137628	42.223	ug/L	98
6) Bromomethane	1.484	94	96338	42.357	ug/L	99
8) Chloroethane	1.548	64	97311	44.346	ug/L	99
9) Trichlorofluoromethane	1.715	101	223302	42.988	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	137307	43.686	ug/L	98
12) 1,1-Dichloroethene	2.069	96	115877	43.143	ug/L	94
13) Acetone	2.111	43	118983	47.981	ug/L	98
14) Carbon disulfide	2.243	76	276625	43.145	ug/L	99
15) Methyl Acetate	2.371	43	112716	44.830	ug/L	96
16) Methylene chloride	2.449	84	133973	37.605	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	114632	44.716	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	370687	48.964	ug/L	99
19) 1,1-Dichloroethane	3.114	63	216061	44.226	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	132555	46.820	ug/L	98
22) 2-Butanone	3.870	43	154636	73.531	ug/L	98
23) Bromochloromethane	4.149	128	74597	47.207	ug/L	97
25) Chloroform	4.278	83	252449	45.338	ug/L	97

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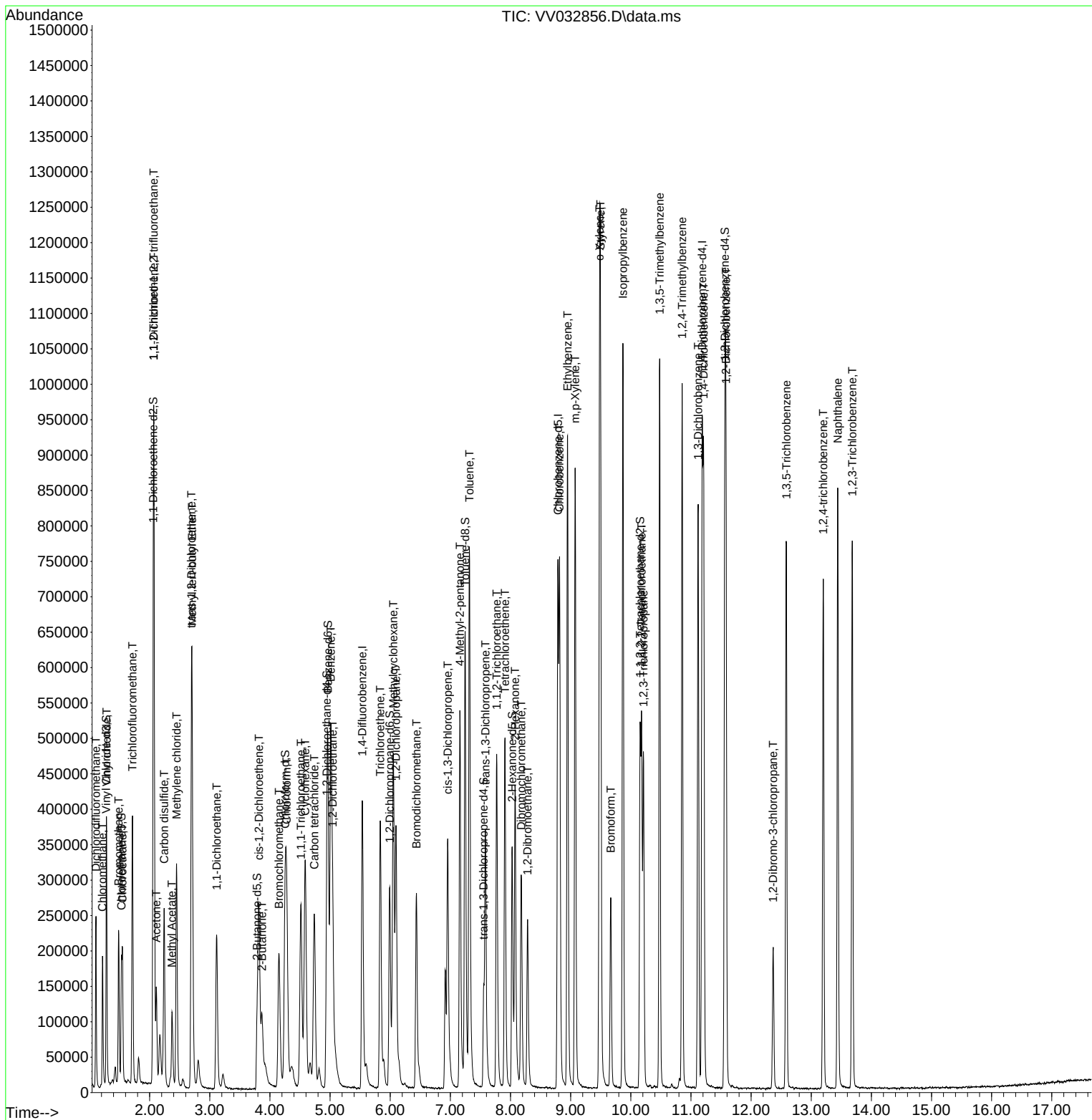
Instrument :
 MSVOA_V
 ClientSampleId :

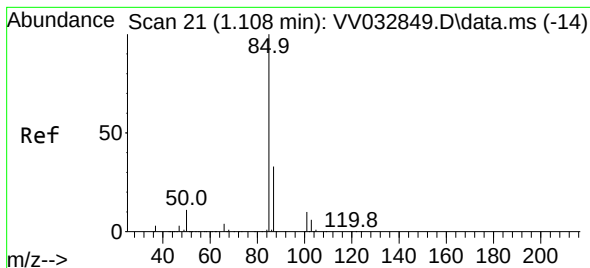
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	191663	47.763	ug/L	98
29) Cyclohexane	4.587	56	157336	43.683	ug/L #	95
30) 1,1,1-Trichloroethane	4.516	97	214352	44.643	ug/L	100
31) Carbon tetrachloride	4.738	117	185202	43.650	ug/L	99
33) Benzene	5.011	78	491253	46.228	ug/L	100
34) Trichloroethene	5.834	95	132208	44.692	ug/L	98
35) Methylcyclohexane	6.053	83	207879	44.910	ug/L	98
37) 1,2-Dichloropropane	6.095	63	120198	42.611	ug/L	100
38) Bromodichloromethane	6.436	83	203286	45.936	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	219677	51.910	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	345630	103.389	ug/L	99
42) Toluene	7.317	91	588014	48.588	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	210805	48.497	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	152998	47.287	ug/L	98
46) Tetrachloroethene	7.908	164	113427	42.496	ug/L	98
48) 2-Hexanone	8.075	43	263463	87.837	ug/L	97
49) Dibromochloromethane	8.178	129	160177	47.352	ug/L	99
50) 1,2-Dibromoethane	8.284	107	159737	48.460	ug/L	97
51) Chlorobenzene	8.815	112	398139	46.470	ug/L	99
52) Ethylbenzene	8.950	91	633057	47.421	ug/L	98
53) m,p-Xylene	9.075	106	251495	49.500	ug/L	97
54) o-Xylene	9.480	106	242361	49.239	ug/L	96
55) Styrene	9.497	104	431689	50.326	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	232079	47.892	ug/L	99
59) Bromoform	9.667	173	117028	46.852	ug/L	98
60) Isopropylbenzene	9.870	105	651054	48.189	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	172936	46.473	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	517684	48.693	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	509735	50.121	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	327976	46.598	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	341043	45.922	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	333193	46.371	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	46523	48.038	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	232337	45.725	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	207981	47.330	ug/L	99
71) Naphthalene	13.442	128	636065	57.964	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	223821	51.014	ug/L	99

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

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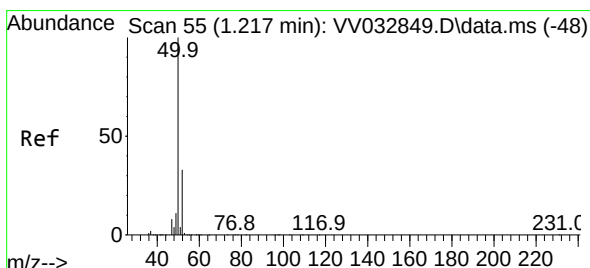
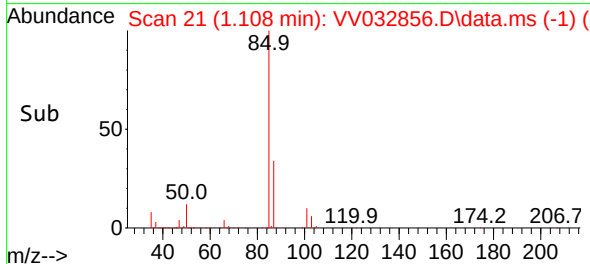
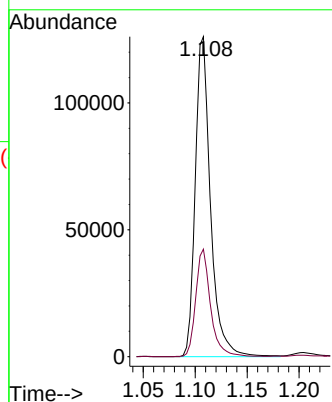
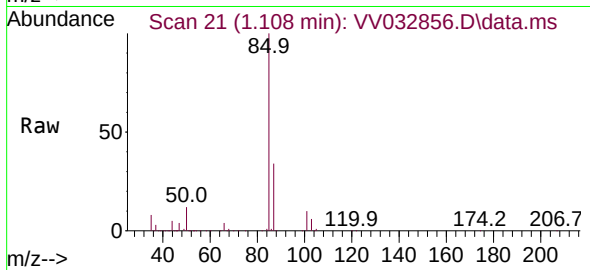




#2
Dichlorodifluoromethane
Concen: 40.857 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

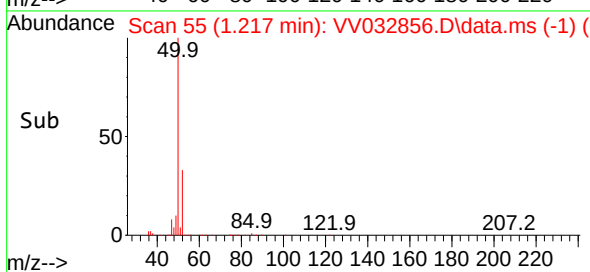
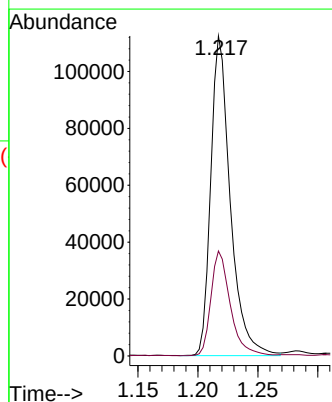
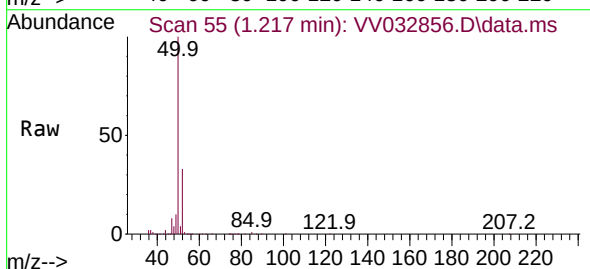
Instrument :
MSVOA_V
ClientSampleId :

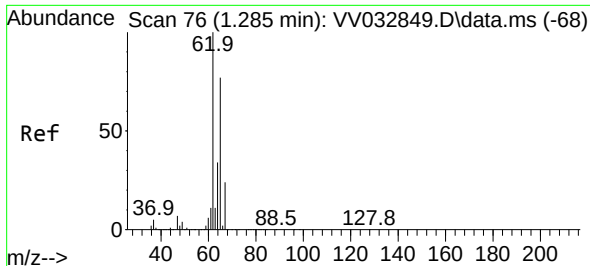
Tgt Ion: 85 Resp: 129100
Ion Ratio Lower Upper
85 100
87 32.9 26.2 39.4



#3
Chloromethane
Concen: 41.567 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion: 50 Resp: 127065
Ion Ratio Lower Upper
50 100
52 32.8 23.5 43.7

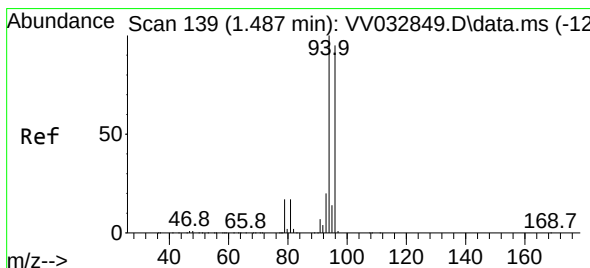
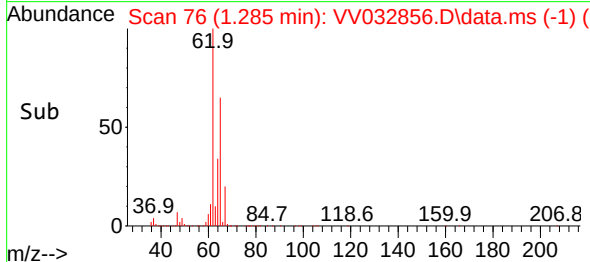
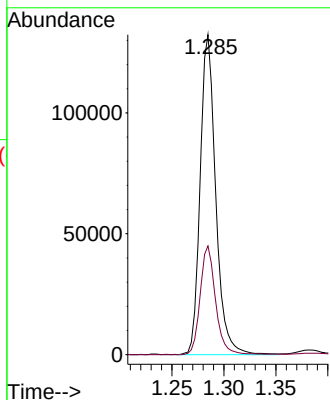
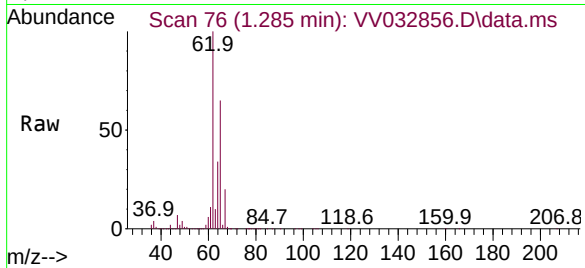




#5
 Vinyl chloride
 Concen: 42.223 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032856.D
 Acq: 06 Nov 2023 16:21

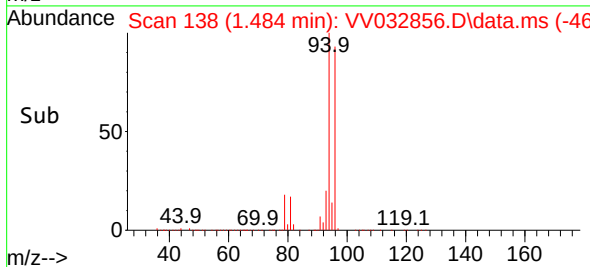
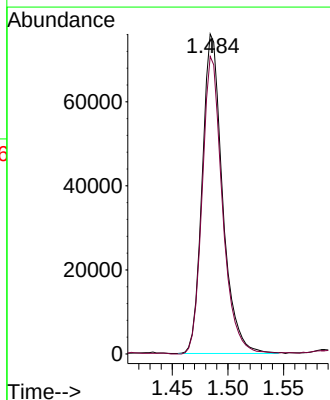
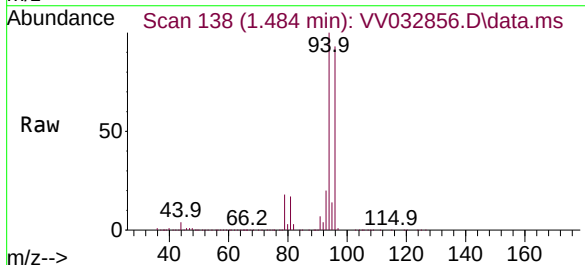
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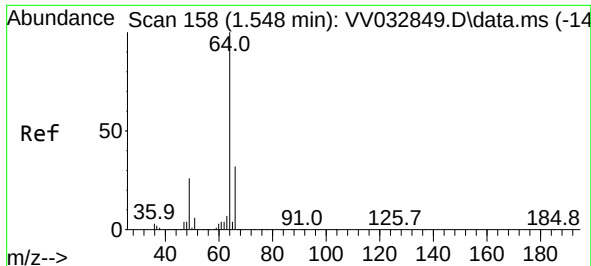
Tgt Ion: 62 Resp: 137628
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.0



#6
 Bromomethane
 Concen: 42.357 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV032856.D
 Acq: 06 Nov 2023 16:21

Tgt Ion: 94 Resp: 96338
 Ion Ratio Lower Upper
 94 100
 96 93.0 64.2 119.2

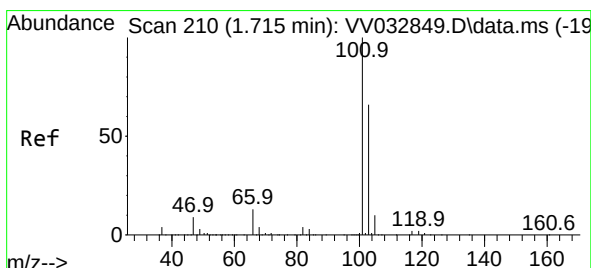
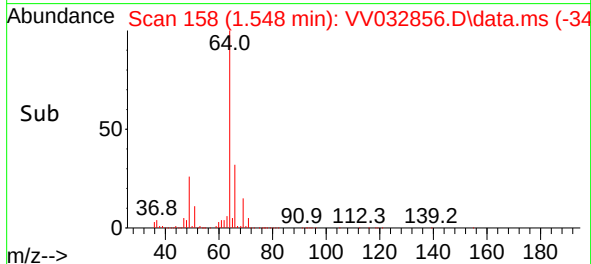
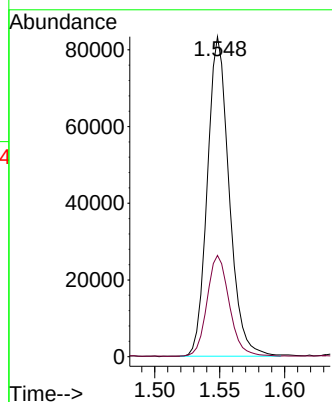
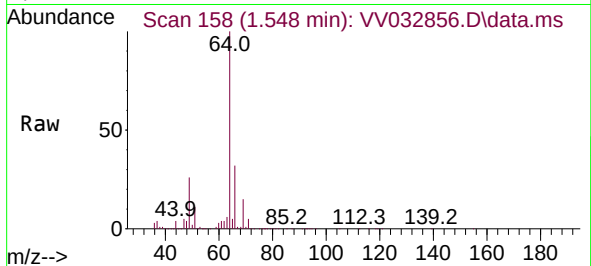




#8
Chloroethane
Concen: 44.346 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

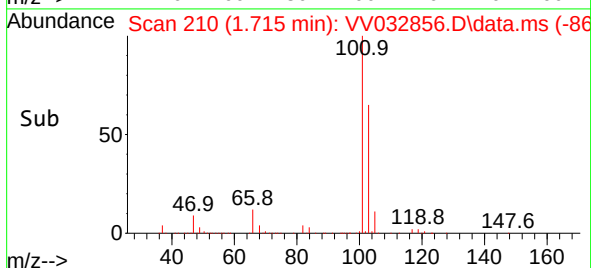
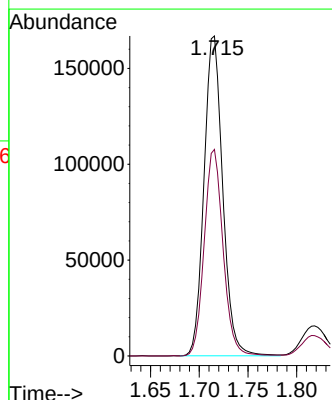
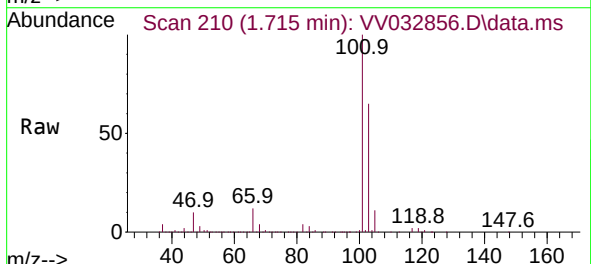
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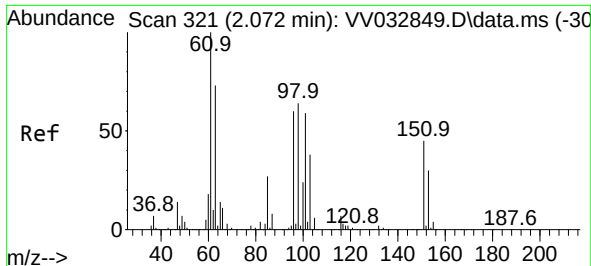
Tgt Ion: 64 Resp: 97311
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 42.988 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion:101 Resp: 223302
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5





#10

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

Concen: 43.686 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

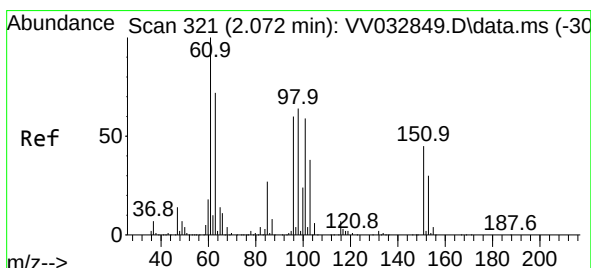
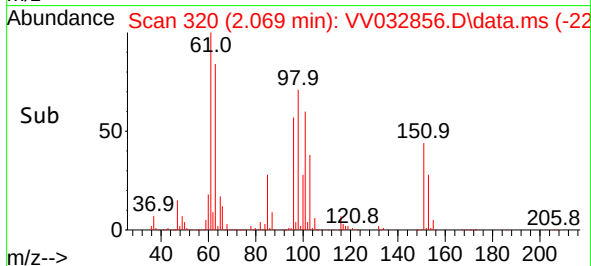
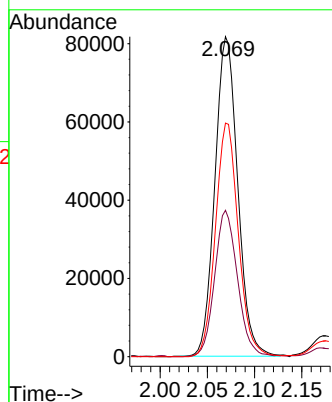
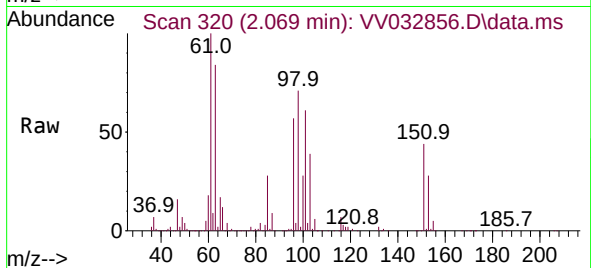
Tgt Ion:101 Resp: 137307

Ion Ratio Lower Upper

101 100

85 45.8 35.6 53.4

151 73.1 59.9 89.9



#12

1,1-Dichloroethene

Concen: 43.143 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

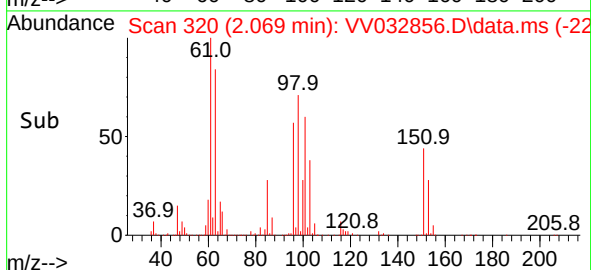
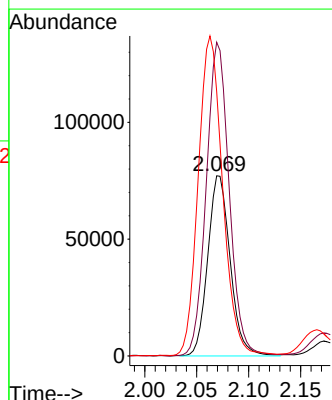
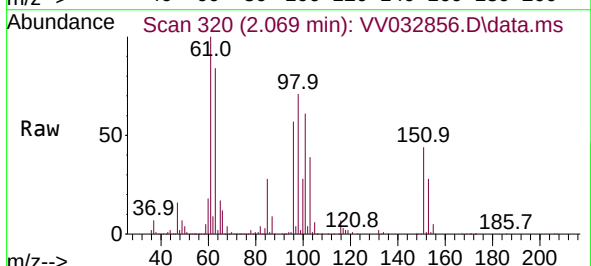
Tgt Ion: 96 Resp: 115877

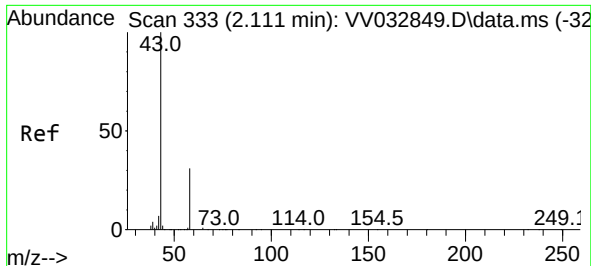
Ion Ratio Lower Upper

96 100

61 174.1 124.2 230.6

63 146.7 111.8 207.6

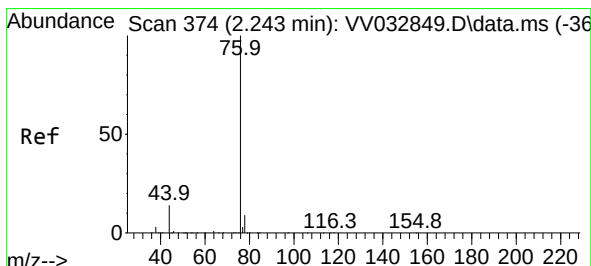
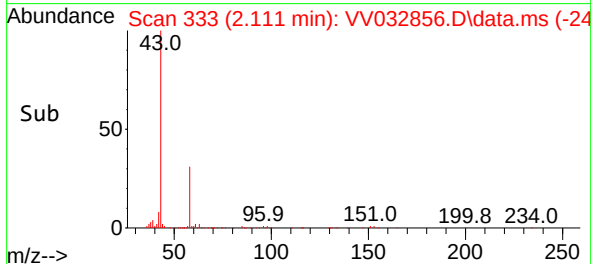
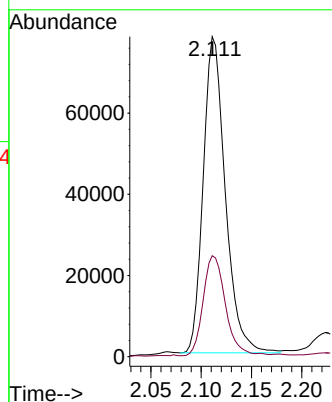
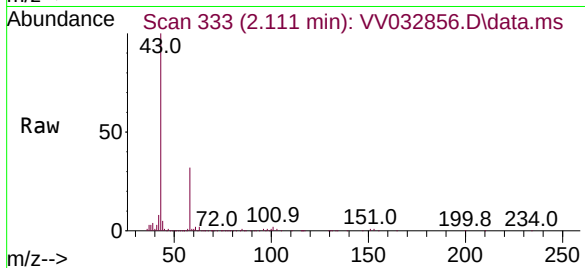




#13
Acetone
Concen: 47.981 ug/L
RT: 2.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

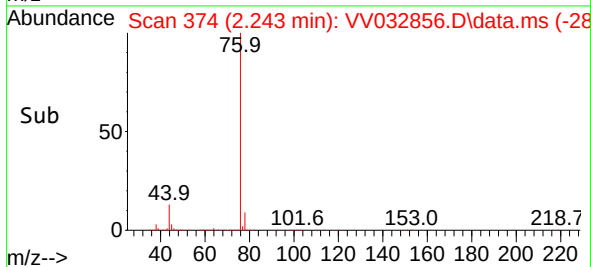
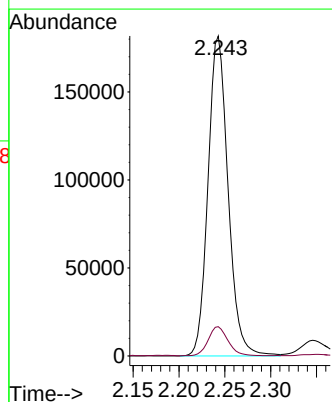
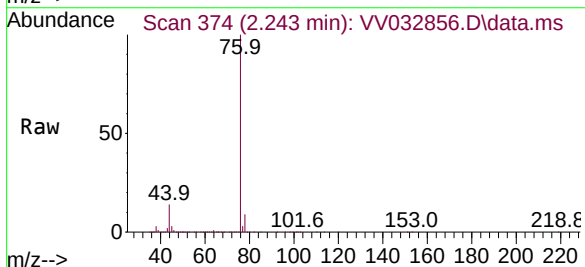
Instrument :
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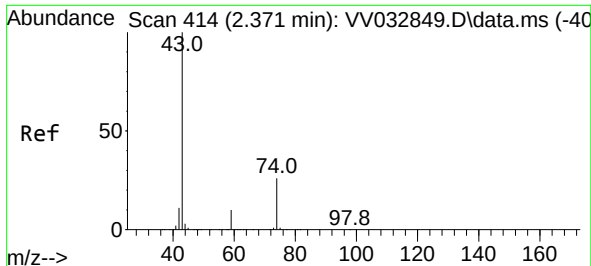
Tgt Ion: 43 Resp: 118983
Ion Ratio Lower Upper
43 100
58 31.6 0.0 61.2



#14
Carbon disulfide
Concen: 43.145 ug/L
RT: 2.243 min Scan# 374
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion: 76 Resp: 276625
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

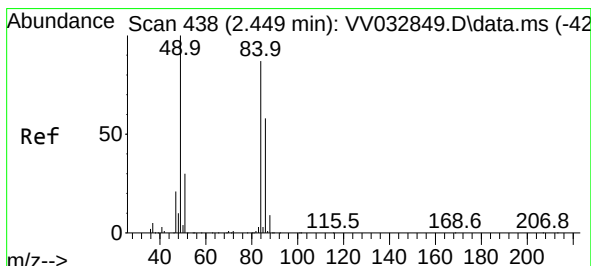
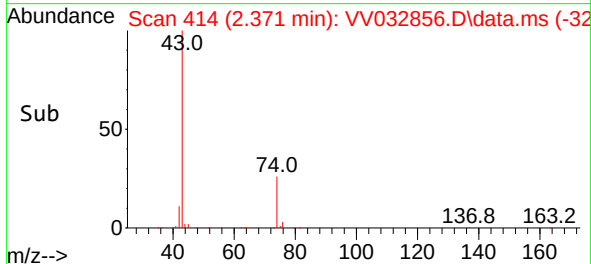
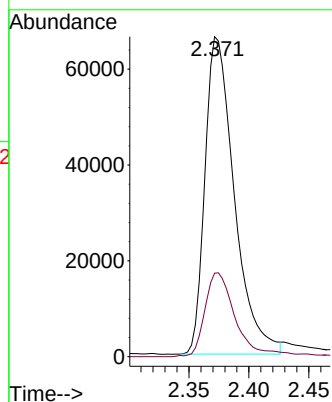
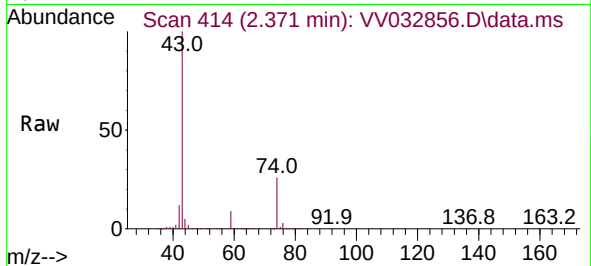




#15
Methyl Acetate
Concen: 44.830 ug/L
RT: 2.371 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

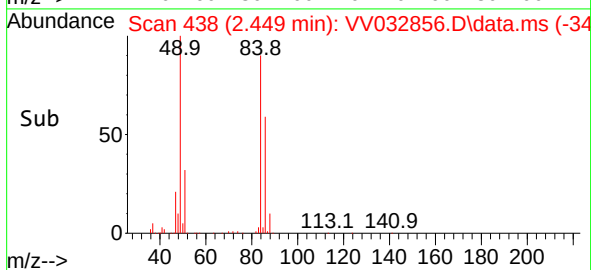
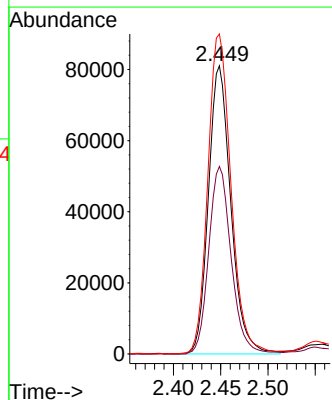
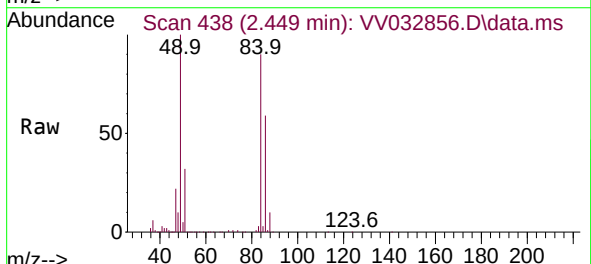
Instrument :
MSVOA_V
ClientSampleId :

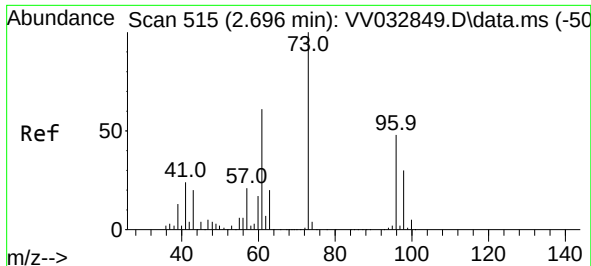
Tgt Ion: 43 Resp: 112716
Ion Ratio Lower Upper
43 100
74 27.5 20.6 30.8



#16
Methylene chloride
Concen: 37.605 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion: 84 Resp: 133973
Ion Ratio Lower Upper
84 100
86 65.1 45.0 83.6
49 111.0 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 44.716 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

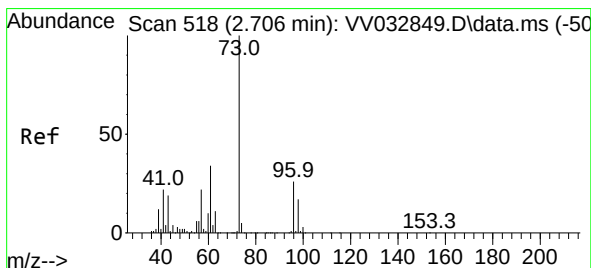
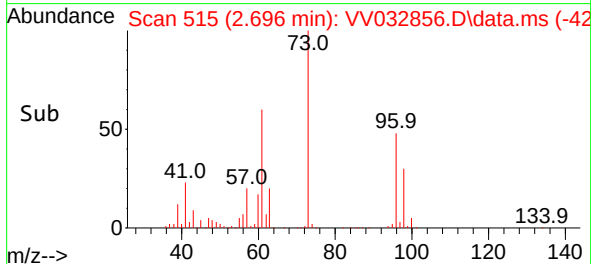
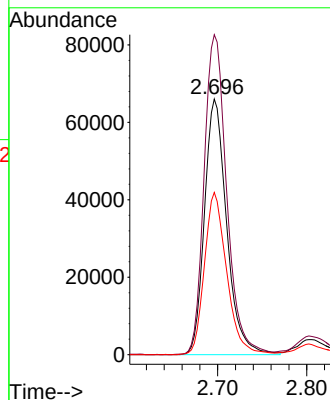
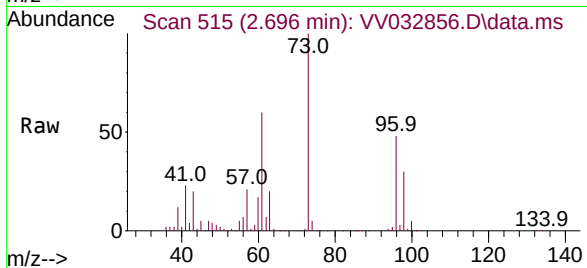
Tgt Ion: 96 Resp: 114632

Ion Ratio Lower Upper

96 100

61 125.1 86.9 161.3

98 63.4 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 48.964 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

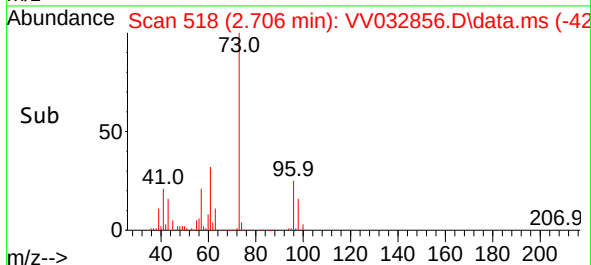
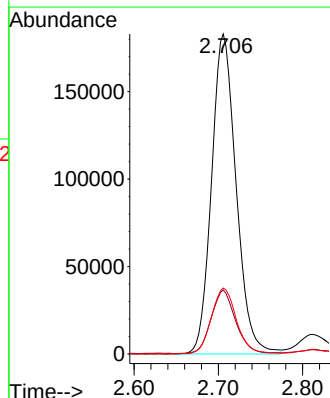
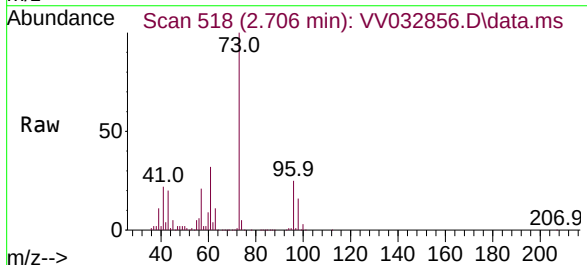
Tgt Ion: 73 Resp: 370687

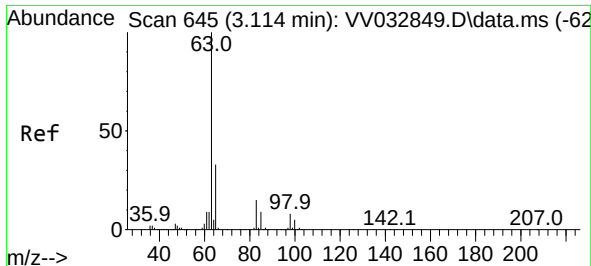
Ion Ratio Lower Upper

73 100

43 19.6 16.1 24.1

57 20.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 44.226 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

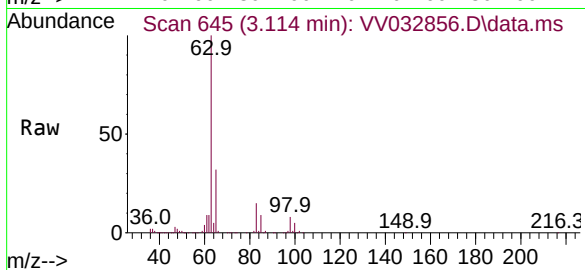
Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :



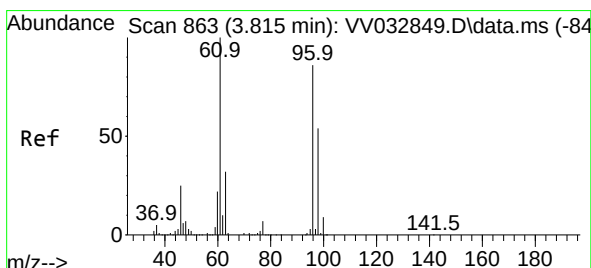
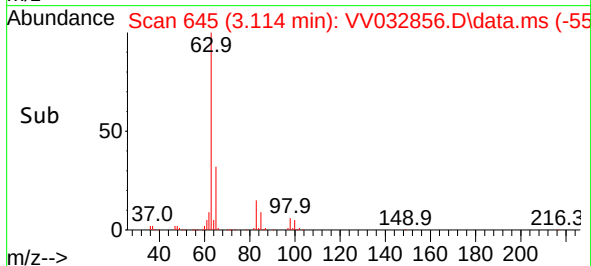
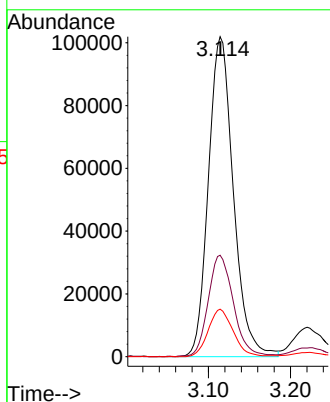
Tgt Ion: 63 Resp: 216061

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

83 14.9 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 46.820 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

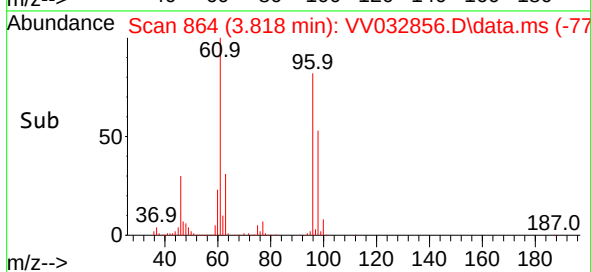
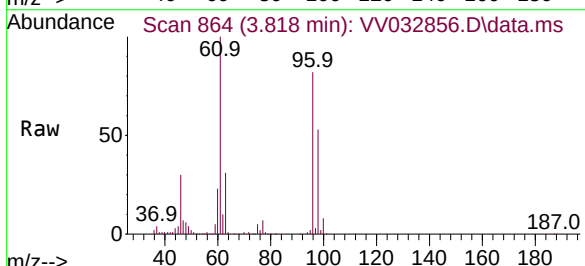
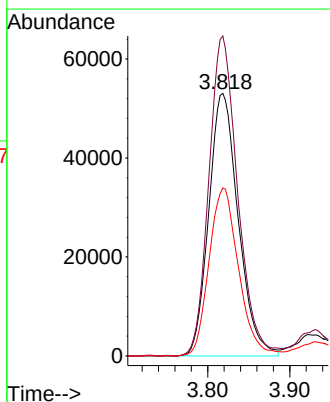
Tgt Ion: 96 Resp: 132555

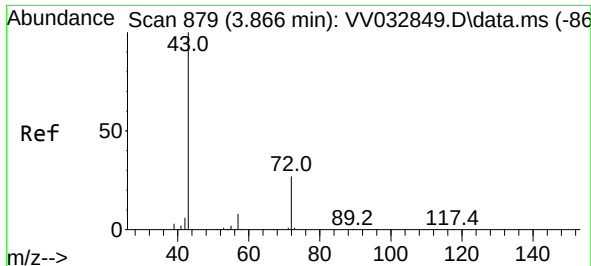
Ion Ratio Lower Upper

96 100

61 121.9 83.3 154.7

98 64.0 44.2 82.2

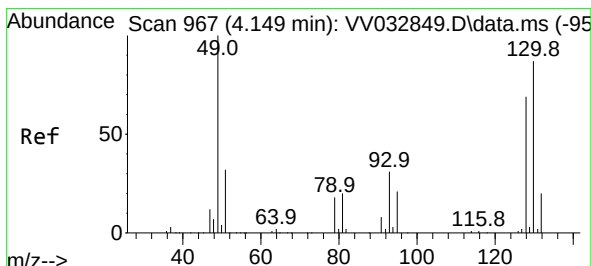
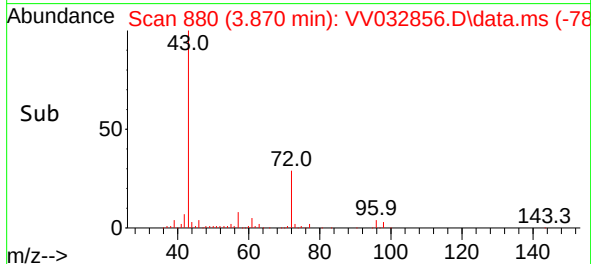
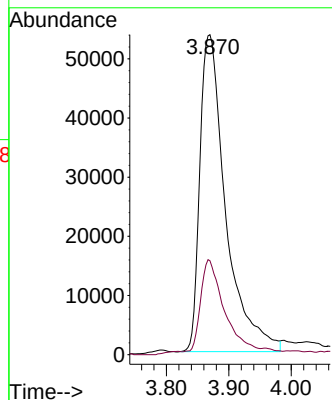
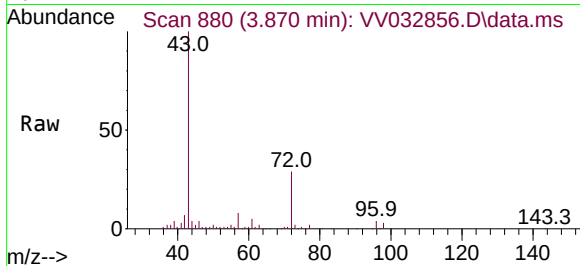




#22
2-Butanone
Concen: 73.531 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

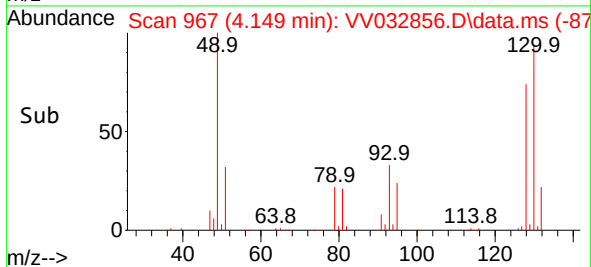
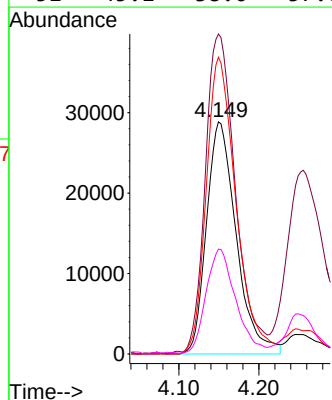
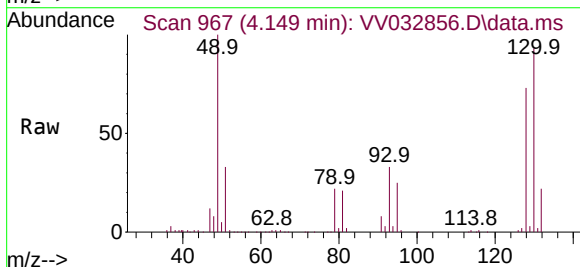
Instrument :
MSVOA_V
ClientSampleId :

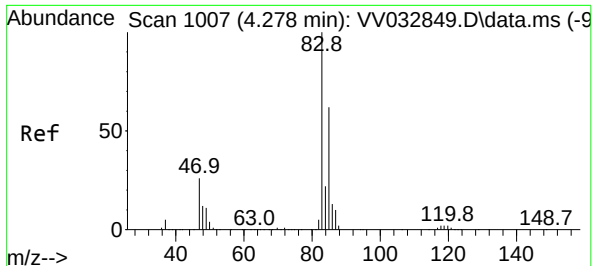
Tgt Ion: 43 Resp: 154636
Ion Ratio Lower Upper
43 100
72 26.0 13.5 40.4



#23
Bromochloromethane
Concen: 47.207 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion:128 Resp: 74597
Ion Ratio Lower Upper
128 100
49 137.8 101.0 187.6
130 127.8 88.5 164.4
51 45.1 38.0 57.0





#25

Chloroform

Concen: 45.338 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

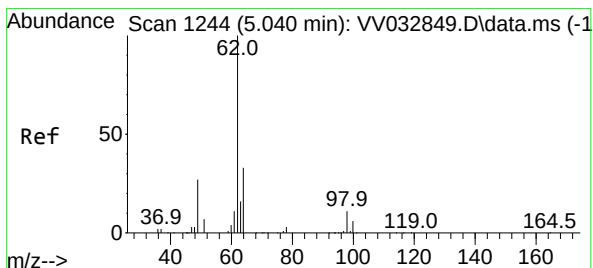
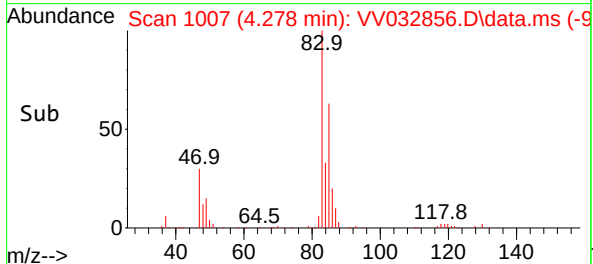
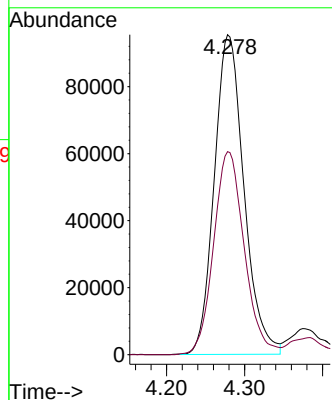
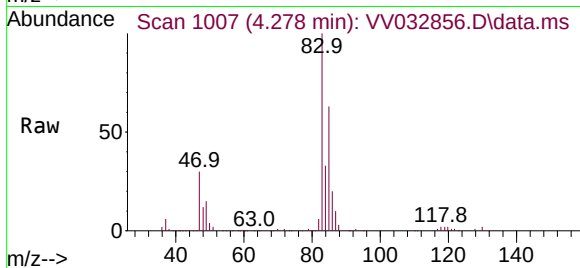
ClientSampleId :

Tgt Ion: 83 Resp: 252449

Ion Ratio Lower Upper

83 100

85 63.5 46.2 85.8



#27

1,2-Dichloroethane

Concen: 47.763 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032856.D

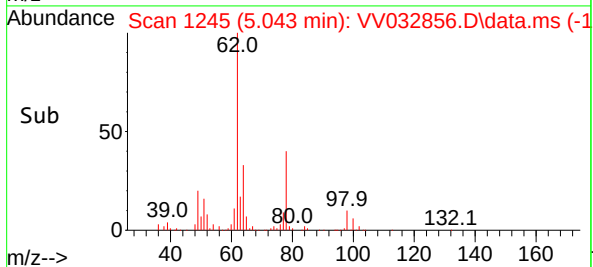
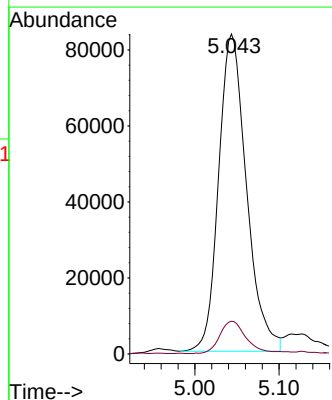
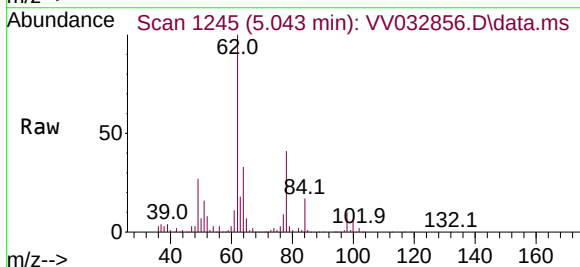
Acq: 06 Nov 2023 16:21

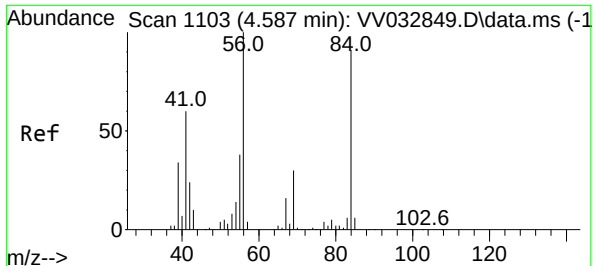
Tgt Ion: 62 Resp: 191663

Ion Ratio Lower Upper

62 100

98 10.2 7.5 11.3





#29

Cyclohexane

Concen: 43.683 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

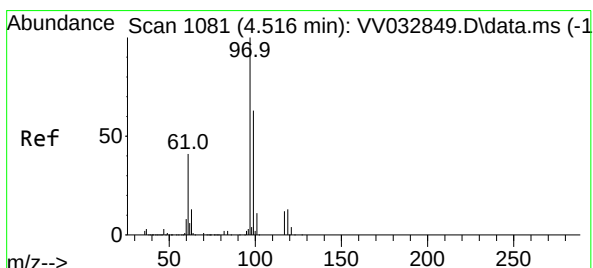
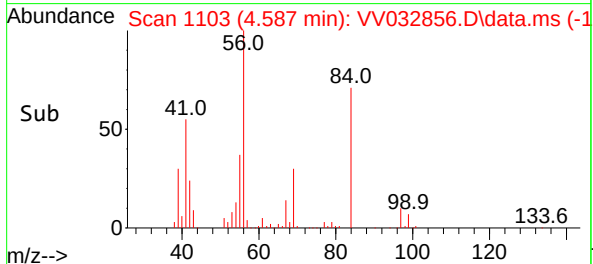
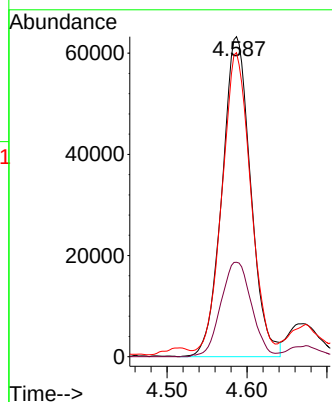
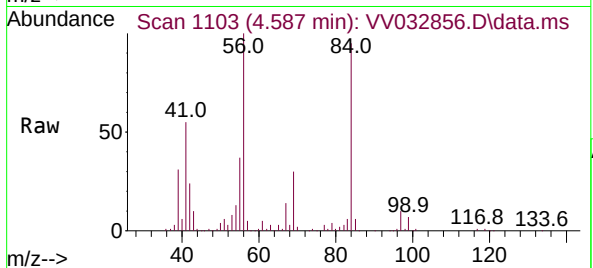
Tgt Ion: 56 Resp: 157336

Ion Ratio Lower Upper

56 100

69 31.5 13.4 20.0#

84 93.9 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 44.643 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

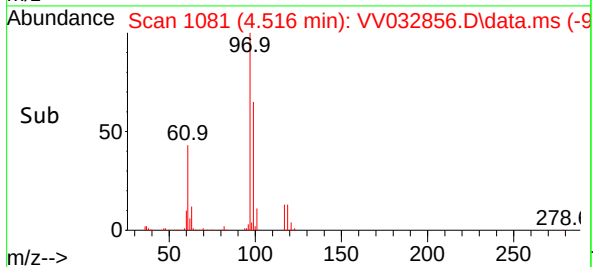
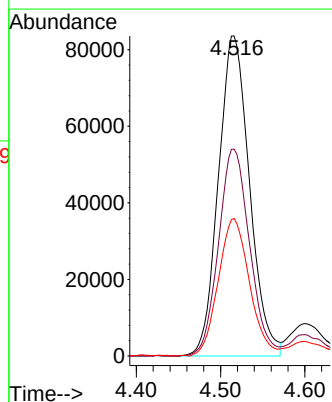
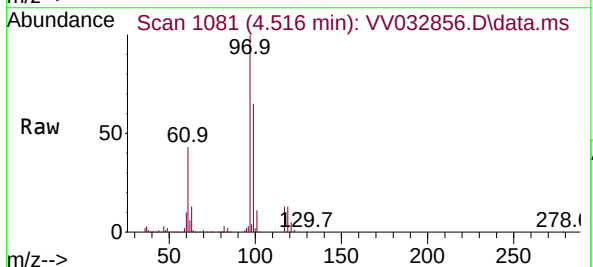
Tgt Ion: 97 Resp: 214352

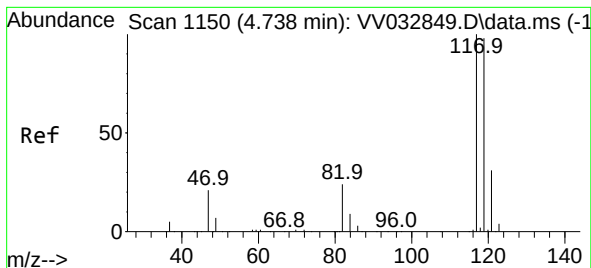
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

61 42.9 34.8 52.2





#31

Carbon tetrachloride

Concen: 43.650 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

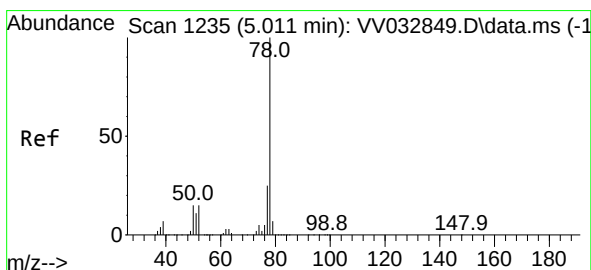
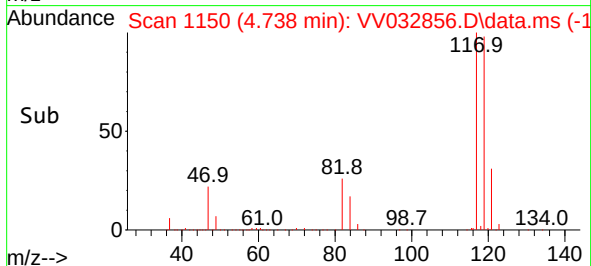
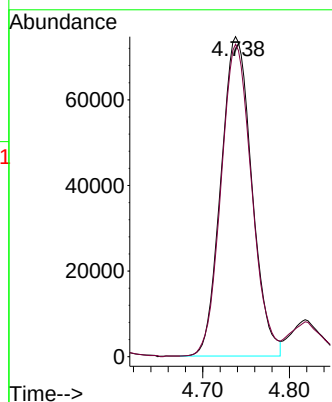
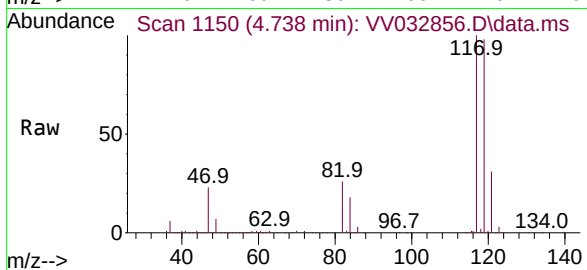
ClientSampleId :

Tgt Ion:117 Resp: 185202

Ion Ratio Lower Upper

117 100

119 96.6 76.6 115.0



#33

Benzene

Concen: 46.228 ug/L

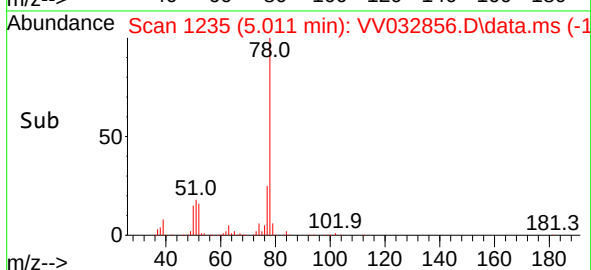
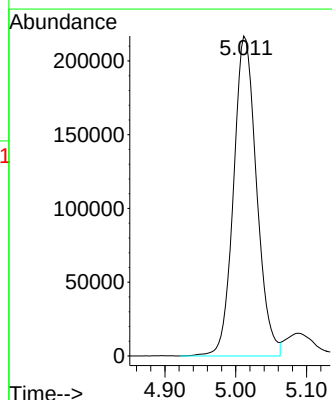
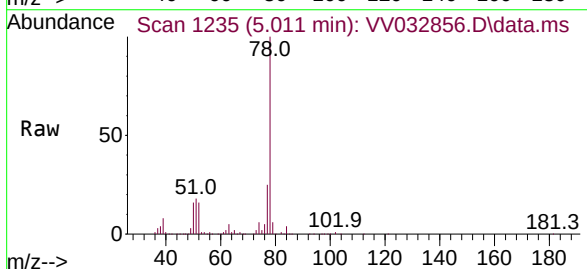
RT: 5.011 min Scan# 1235

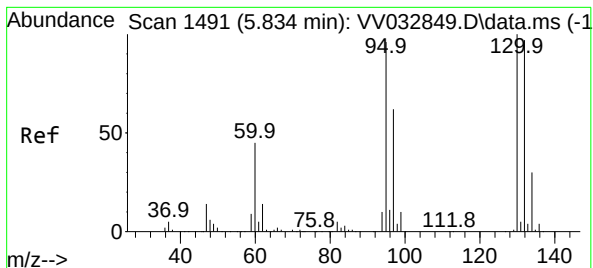
Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Tgt Ion: 78 Resp: 491253





#34

Trichloroethene

Concen: 44.692 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 132208

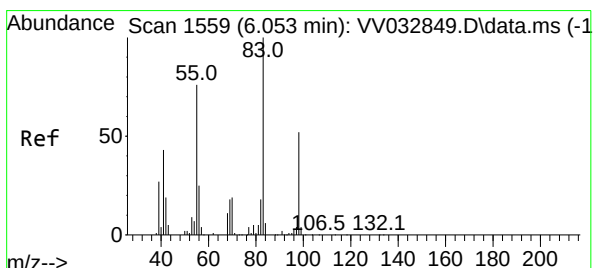
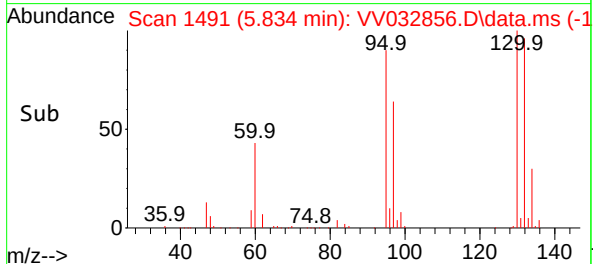
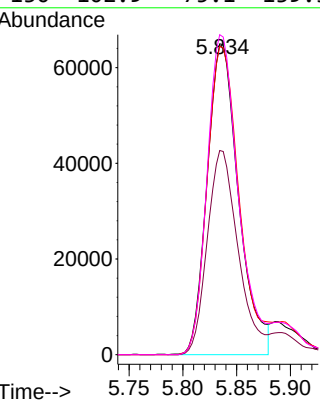
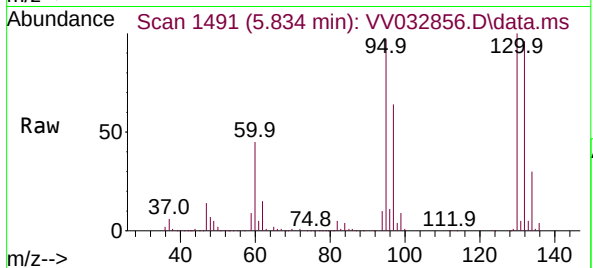
Ion Ratio Lower Upper

95 100

97 65.7 46.3 85.9

132 99.2 69.0 128.2

130 102.9 75.1 139.5



#35

Methylcyclohexane

Concen: 44.910 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

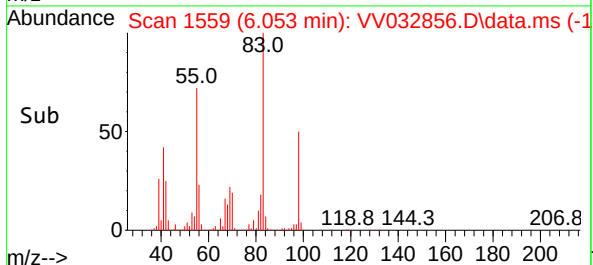
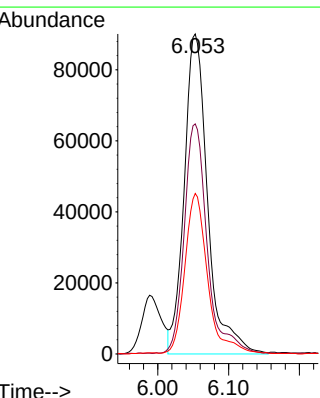
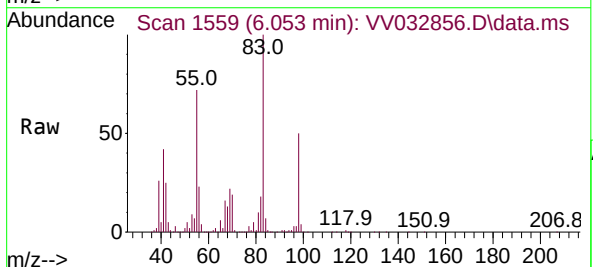
Tgt Ion: 83 Resp: 207879

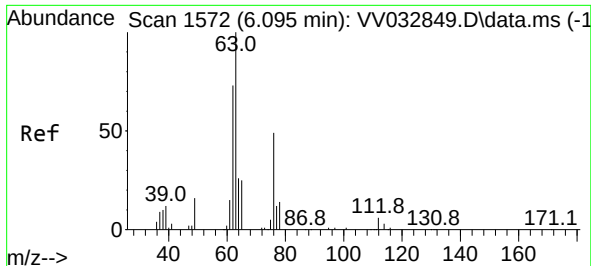
Ion Ratio Lower Upper

83 100

55 70.0 57.8 86.8

98 48.4 39.4 59.2





#37

1,2-Dichloropropane

Concen: 42.611 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

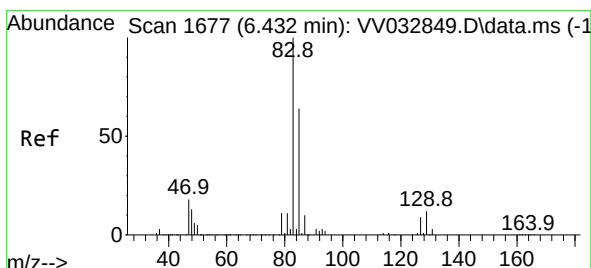
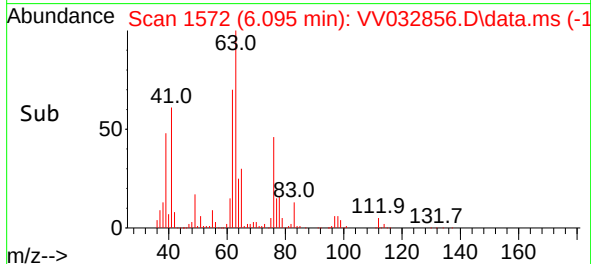
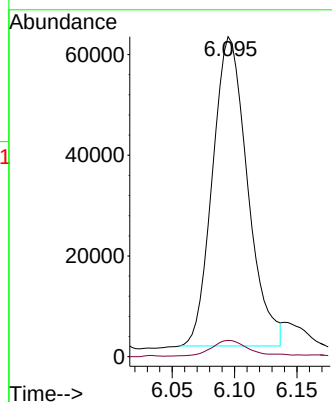
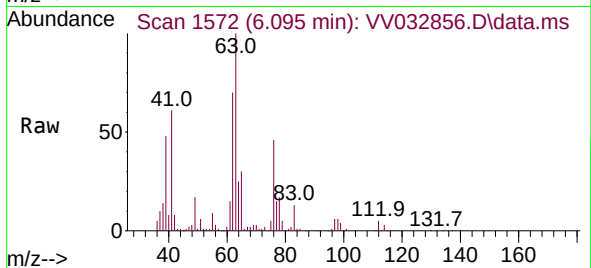
ClientSampleId :

Tgt Ion: 63 Resp: 120198

Ion Ratio Lower Upper

63 100

112 5.2 4.1 6.1



#38

Bromodichloromethane

Concen: 45.936 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

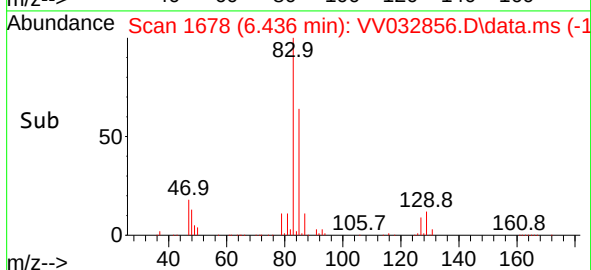
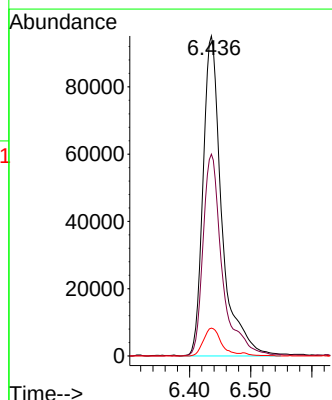
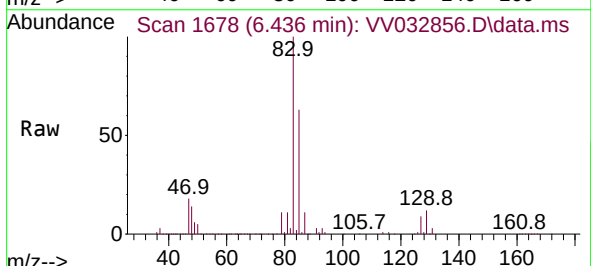
Tgt Ion: 83 Resp: 203286

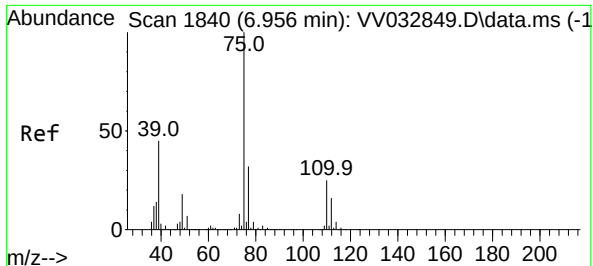
Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.9

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 51.910 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

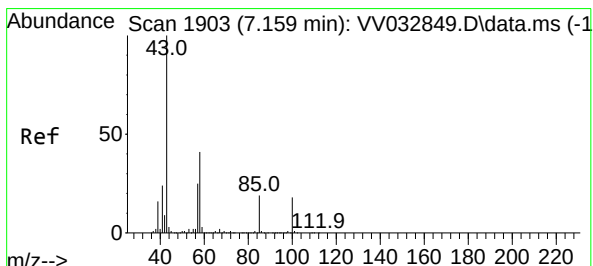
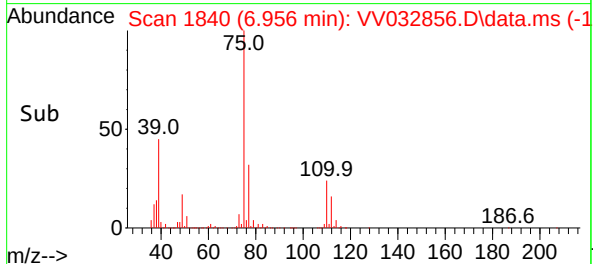
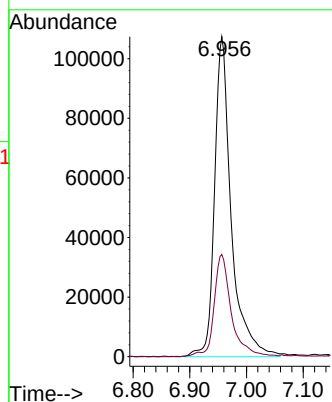
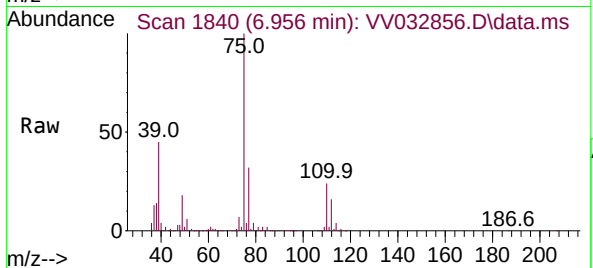
ClientSampleId :

Tgt Ion: 75 Resp: 219677

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 103.389 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

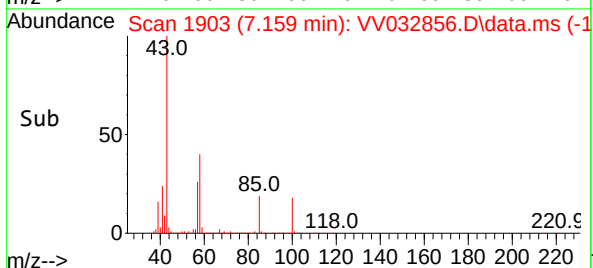
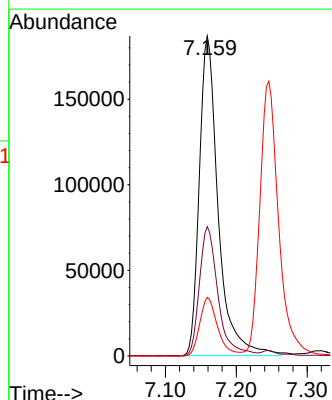
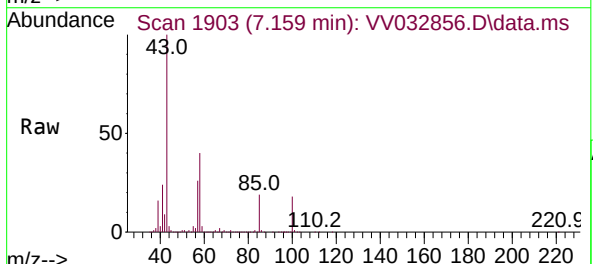
Tgt Ion: 43 Resp: 345630

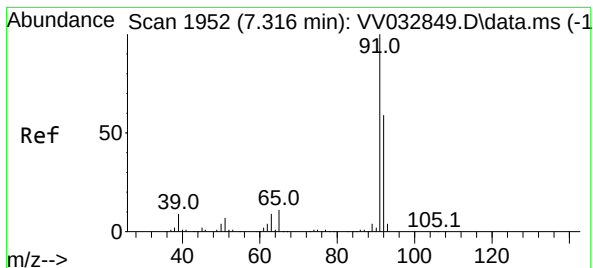
Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.0

100 17.3 13.3 19.9





#42

Toluene

Concen: 48.588 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

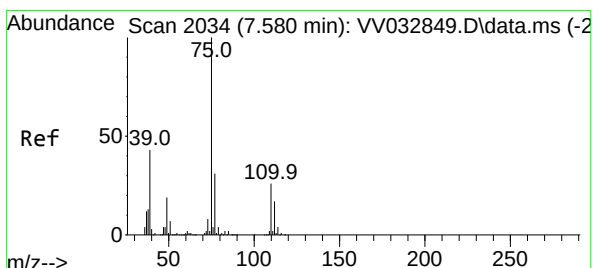
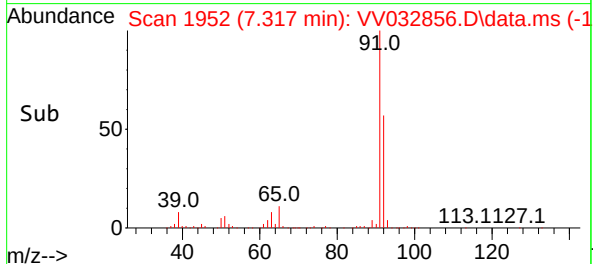
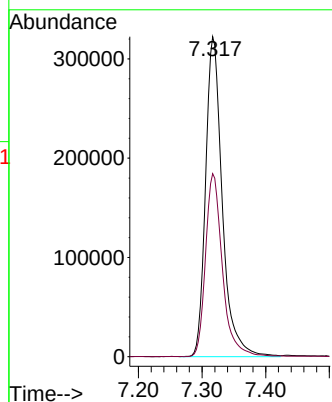
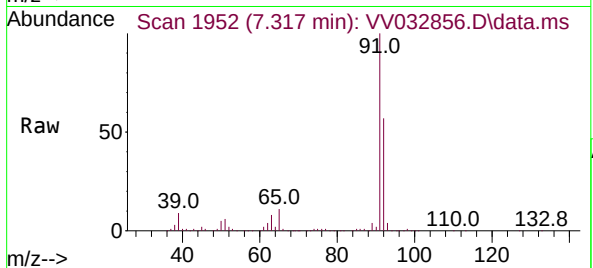
ClientSampleId :

Tgt Ion: 91 Resp: 588014

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 48.497 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032856.D

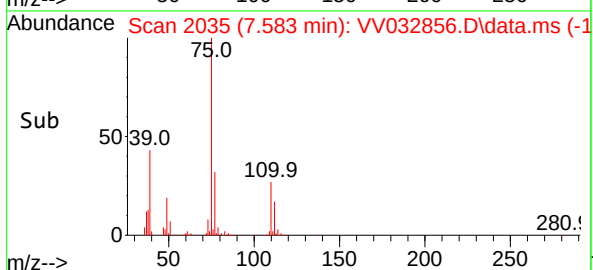
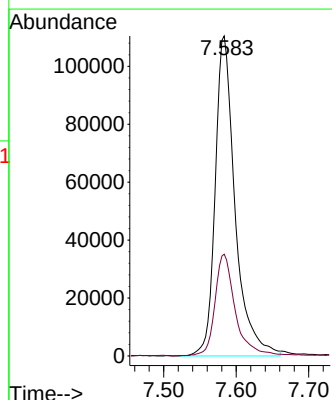
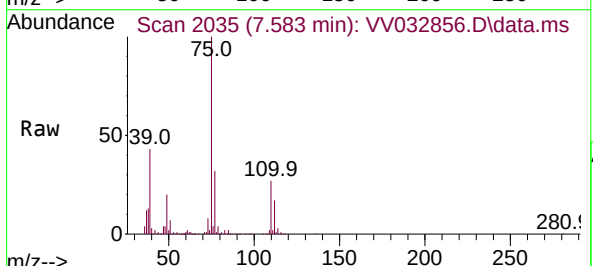
Acq: 06 Nov 2023 16:21

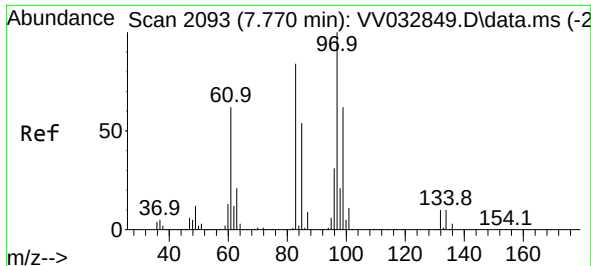
Tgt Ion: 75 Resp: 210805

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 47.287 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 152998

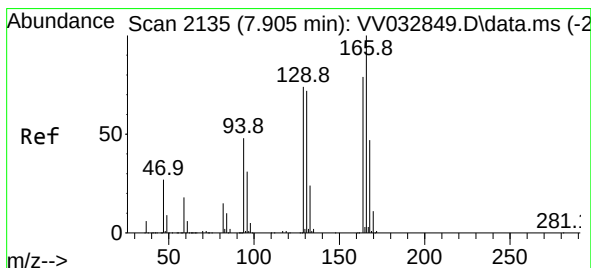
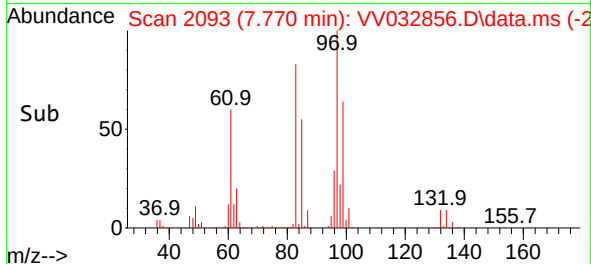
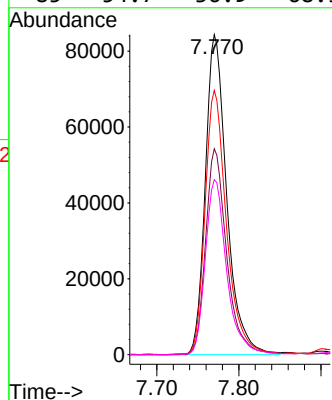
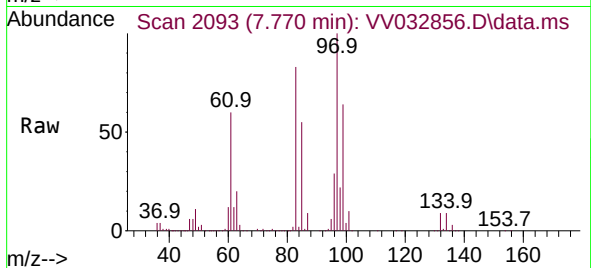
Ion Ratio Lower Upper

97 100

99 64.3 42.8 79.6

83 82.6 58.4 108.4

85 54.7 36.9 68.5



#46

Tetrachloroethene

Concen: 42.496 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Tgt Ion:164 Resp: 113427

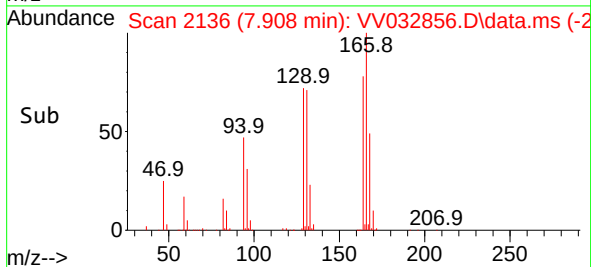
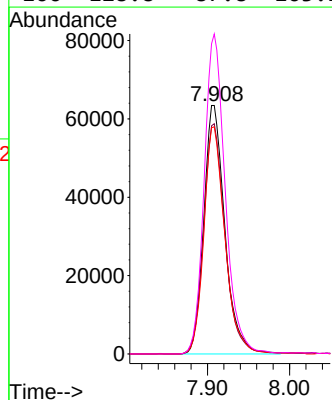
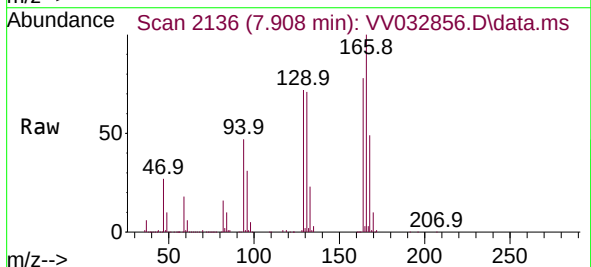
Ion Ratio Lower Upper

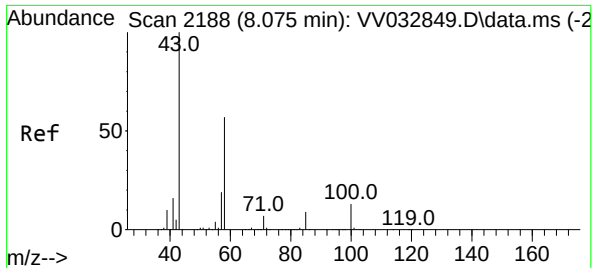
164 100

129 92.6 65.3 121.3

131 91.4 65.0 120.8

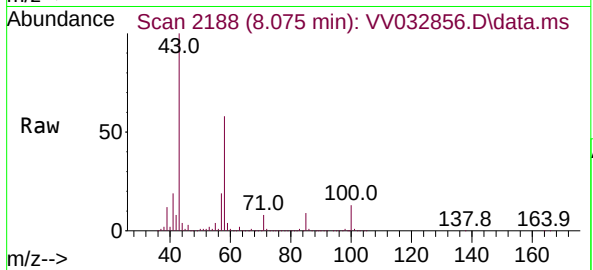
166 128.8 87.8 163.2



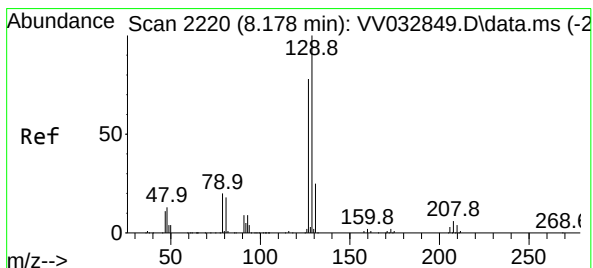
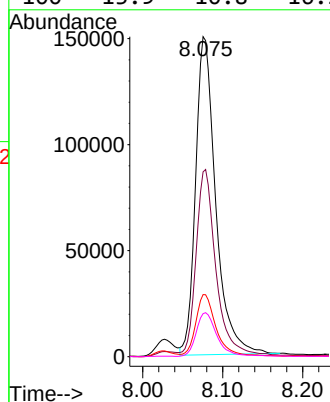
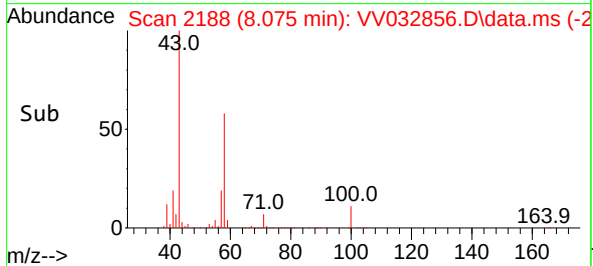


#48
2-Hexanone
Concen: 87.837 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

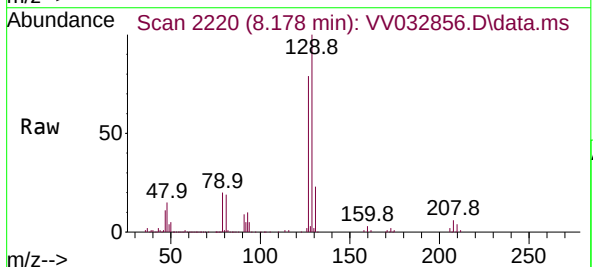
Instrument :
MSVOA_V
ClientSampleId :



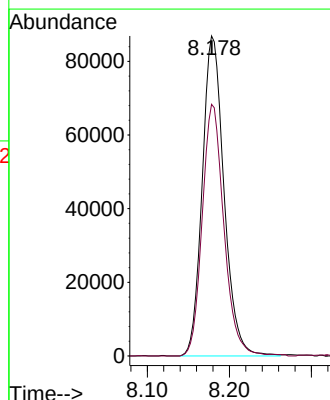
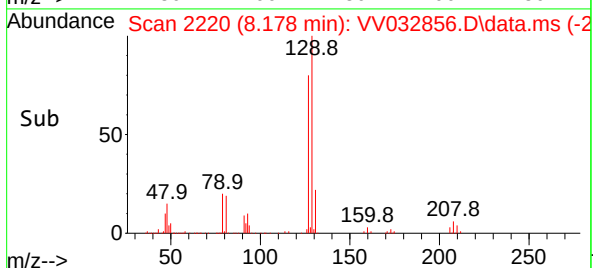
Tgt Ion: 43 Resp: 263463
Ion Ratio Lower Upper
43 100
58 57.5 43.3 64.9
57 19.8 15.5 23.3
100 13.9 10.8 16.2

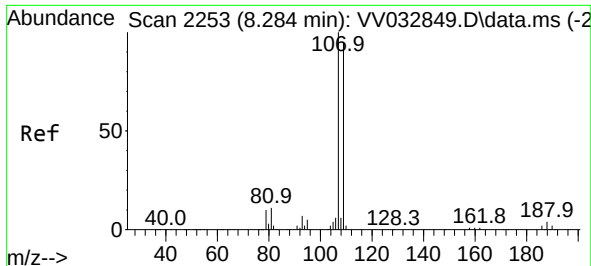


#49
Dibromochloromethane
Concen: 47.352 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21



Tgt Ion: 129 Resp: 160177
Ion Ratio Lower Upper
129 100
127 78.7 54.7 101.5

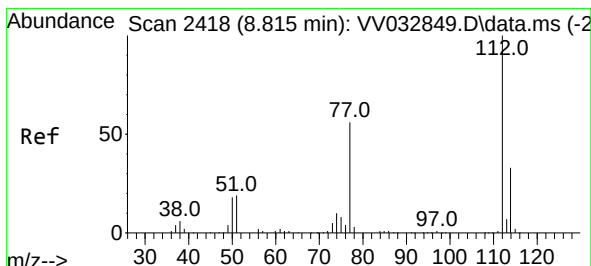
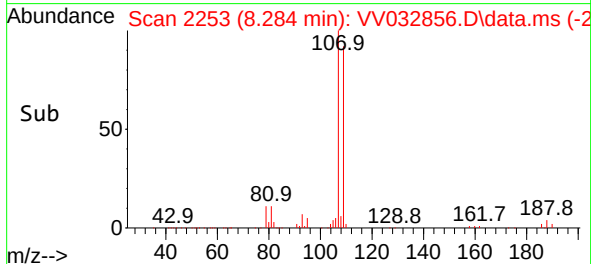
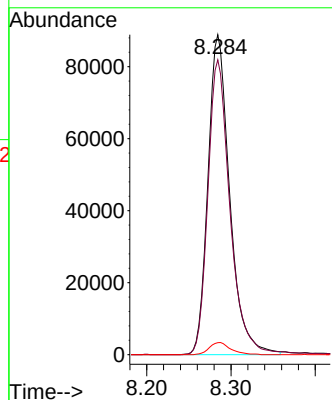
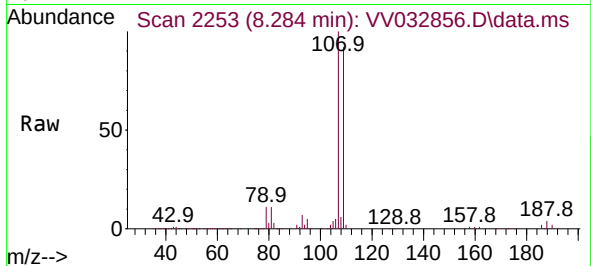




#50
1,2-Dibromoethane
Concen: 48.460 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

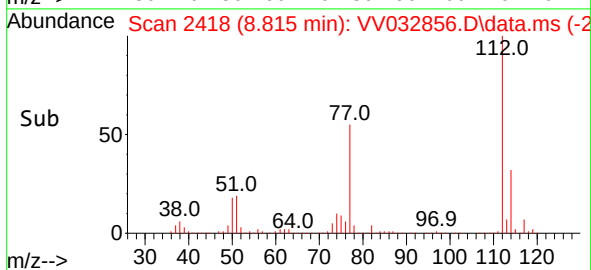
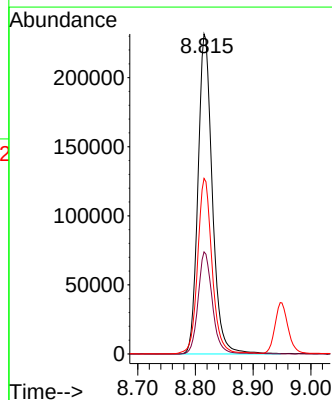
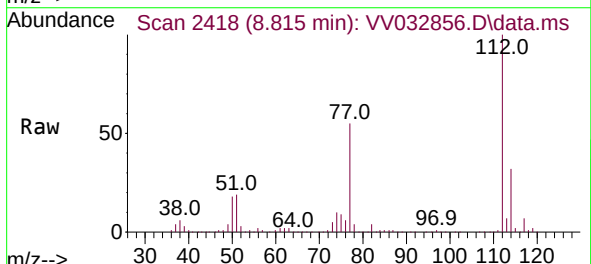
Instrument :
MSVOA_V
ClientSampleId :

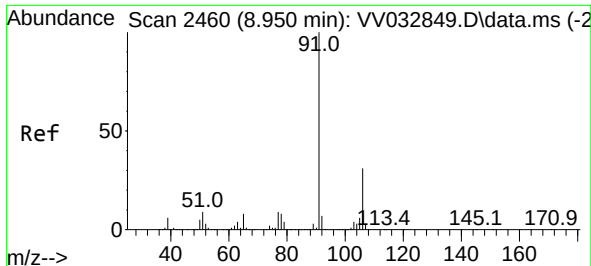
Tgt Ion:107 Resp: 159737
Ion Ratio Lower Upper
107 100
109 92.2 66.4 123.2
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 46.470 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion:112 Resp: 398139
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.2
77 54.9 44.4 66.6

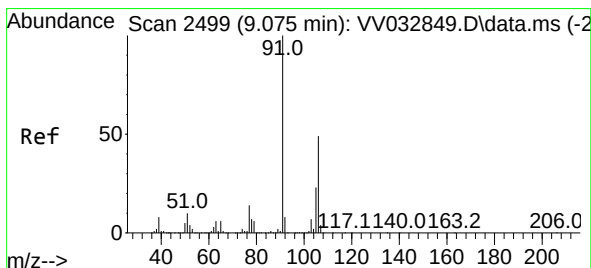
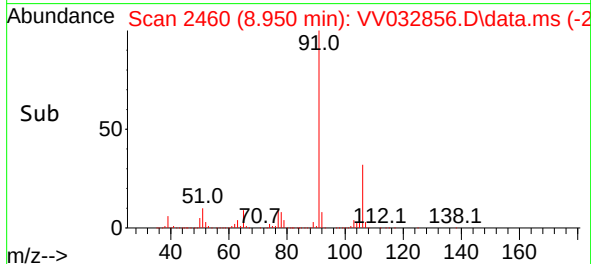
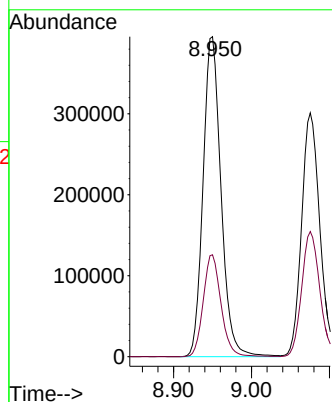
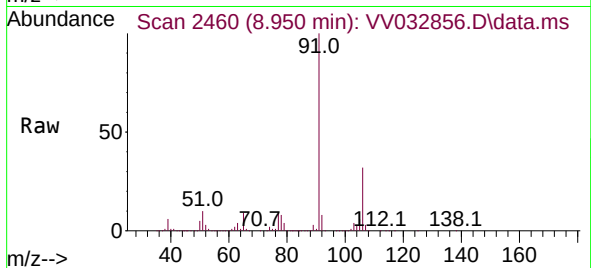




#52
Ethylbenzene
Concen: 47.421 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

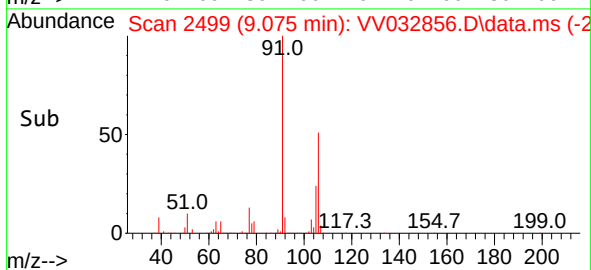
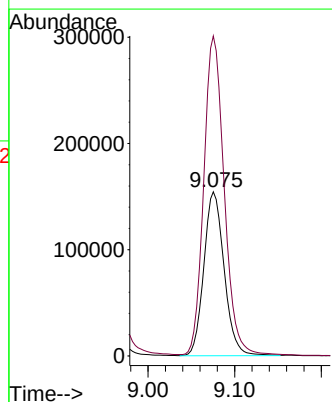
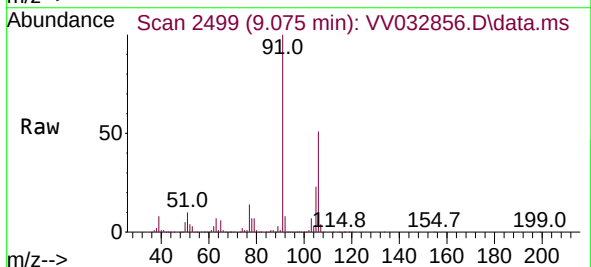
Instrument :
MSVOA_V
ClientSampleId :

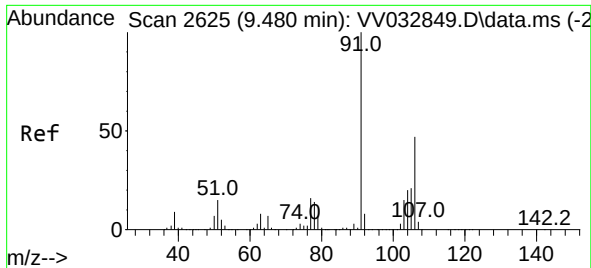
Tgt Ion: 91 Resp: 633057
Ion Ratio Lower Upper
91 100
106 31.9 21.7 40.3



#53
m,p-Xylene
Concen: 49.500 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion: 106 Resp: 251495
Ion Ratio Lower Upper
106 100
91 194.9 139.7 259.5

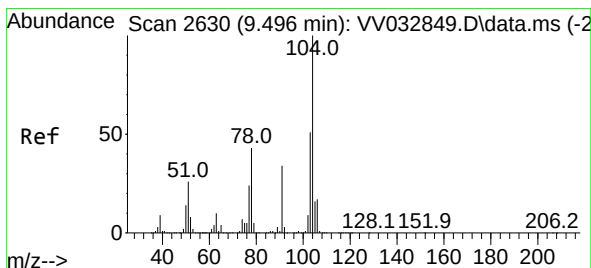
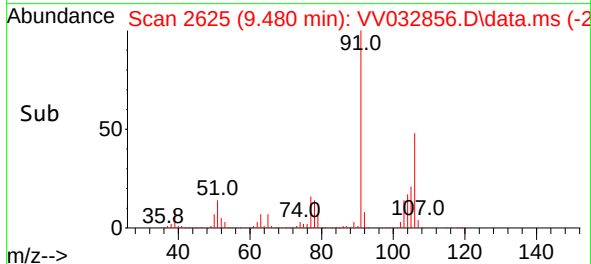
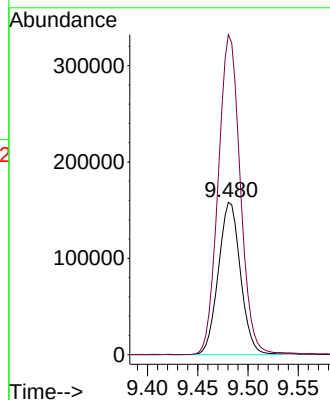
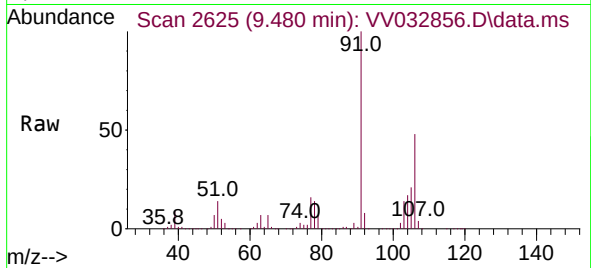




#54
o-Xylene
Concen: 49.239 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

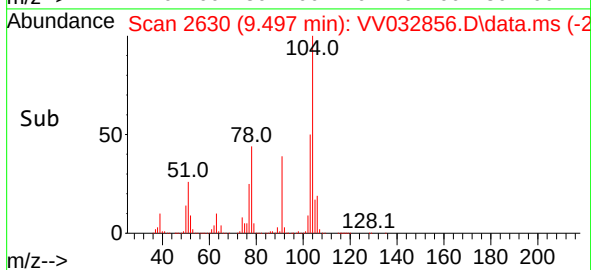
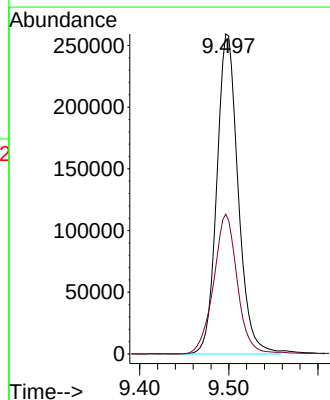
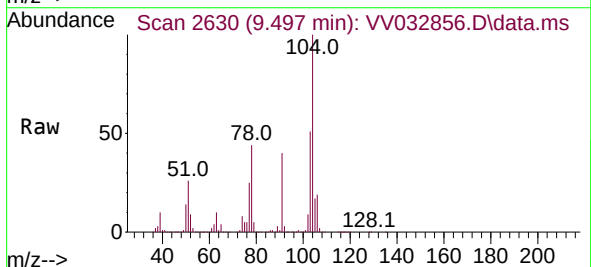
Instrument :
MSVOA_V
ClientSampleId :

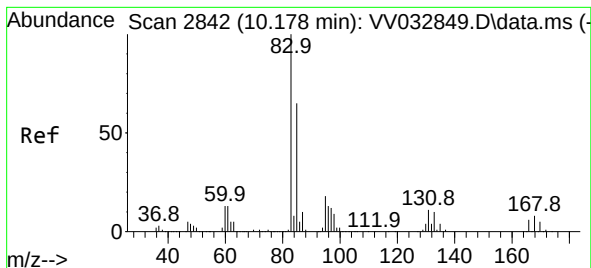
Tgt Ion:106 Resp: 242361
Ion Ratio Lower Upper
106 100
91 210.0 151.0 280.4



#55
Styrene
Concen: 50.326 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion:104 Resp: 431689
Ion Ratio Lower Upper
104 100
78 43.7 30.1 55.9

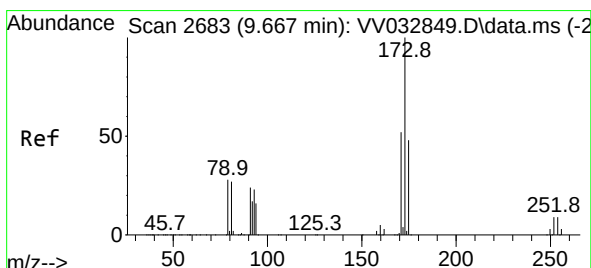
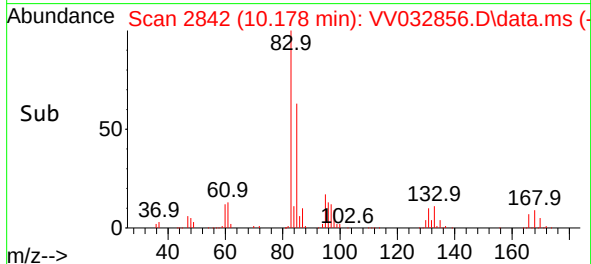
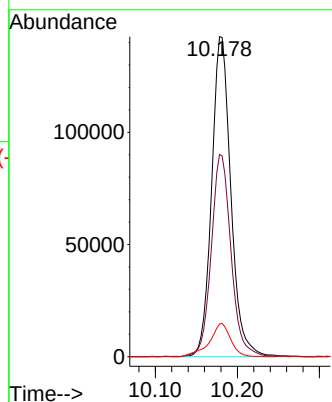
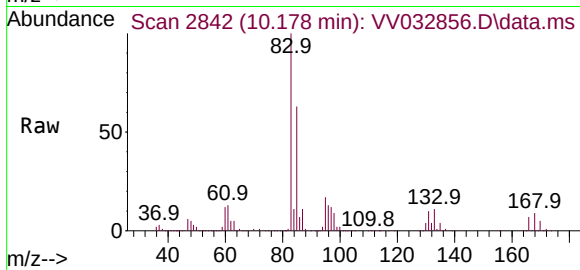




#57
1,1,2,2-Tetrachloroethane
Concen: 47.892 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

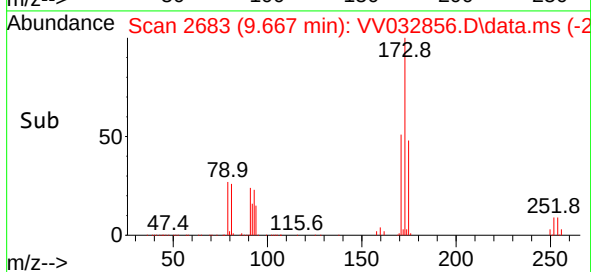
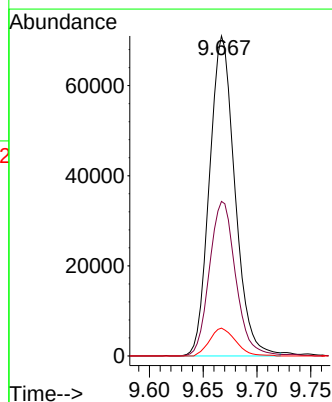
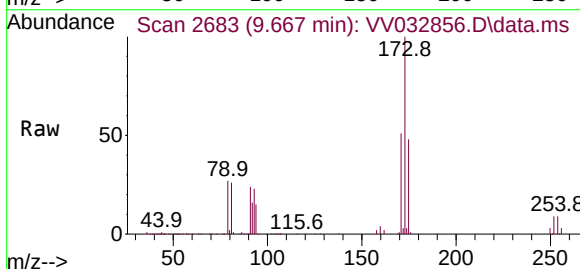
Instrument :
MSVOA_V
ClientSampleId :

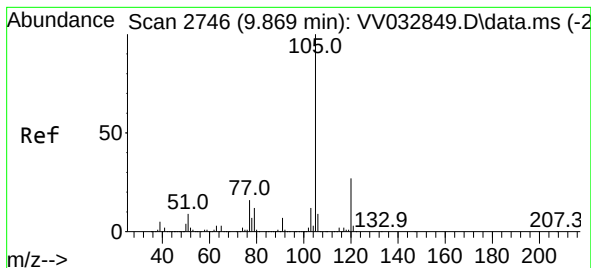
Tgt Ion: 83 Resp: 232079
Ion Ratio Lower Upper
83 100
85 63.2 44.9 83.3
131 10.2 7.8 11.6



#59
Bromoform
Concen: 46.852 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032856.D
Acq: 06 Nov 2023 16:21

Tgt Ion: 173 Resp: 117028
Ion Ratio Lower Upper
173 100
175 49.7 38.4 57.6
254 8.9 7.0 10.6





#60

Isopropylbenzene

Concen: 48.189 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.000 min

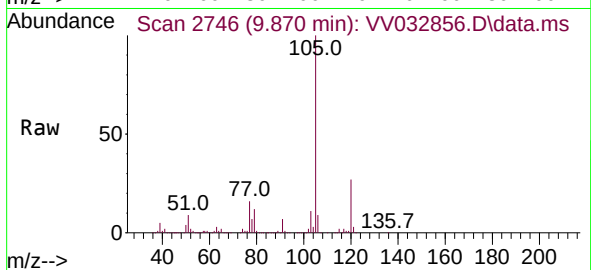
Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :



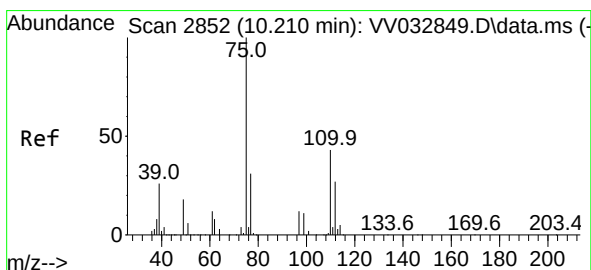
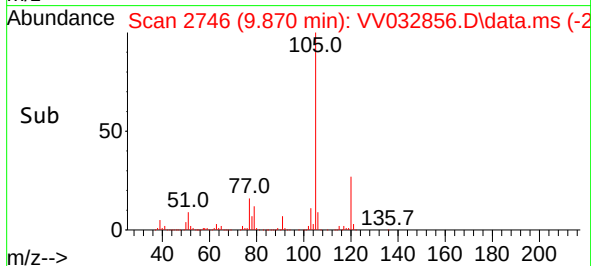
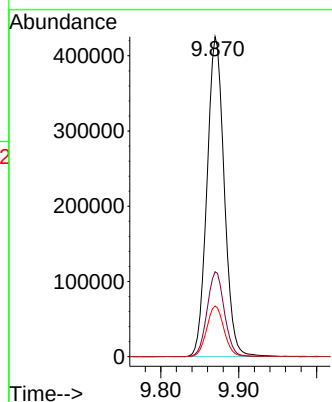
Tgt Ion:105 Resp: 651054

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 46.473 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

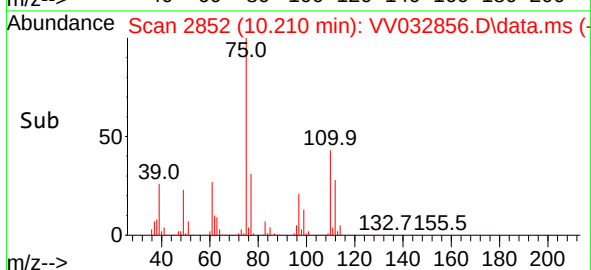
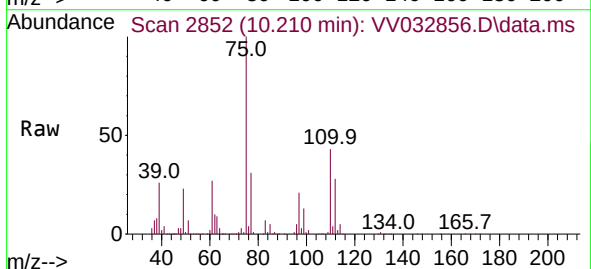
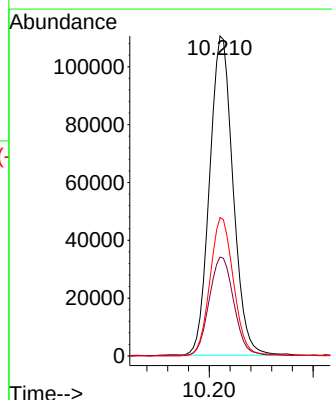
Tgt Ion: 75 Resp: 172936

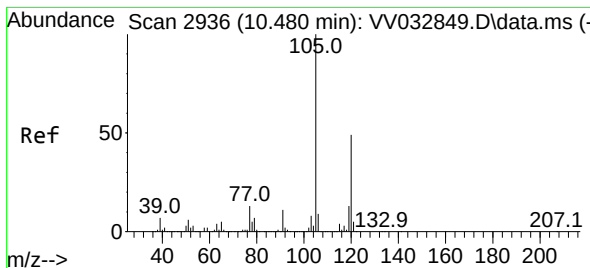
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

110 43.8 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 48.693 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

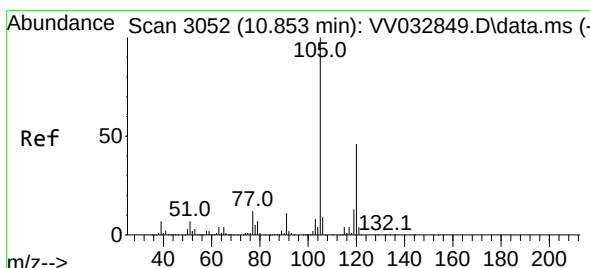
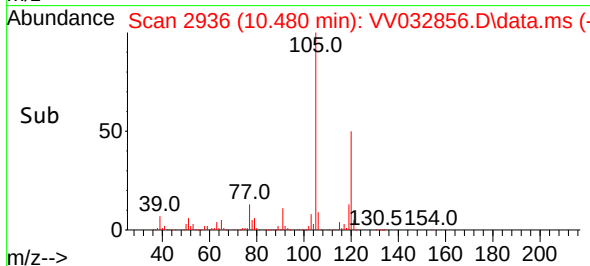
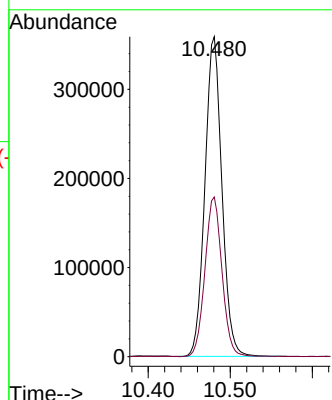
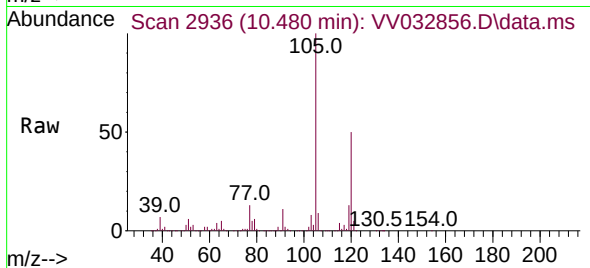
ClientSampleId :

Tgt Ion:105 Resp: 517684

Ion Ratio Lower Upper

105 100

120 50.1 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 50.121 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032856.D

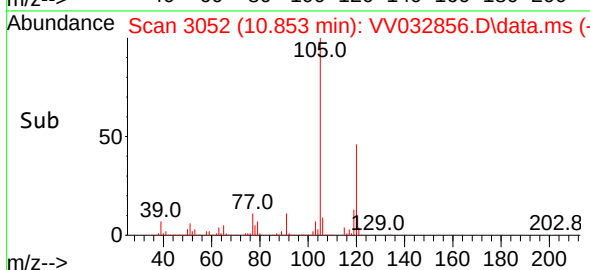
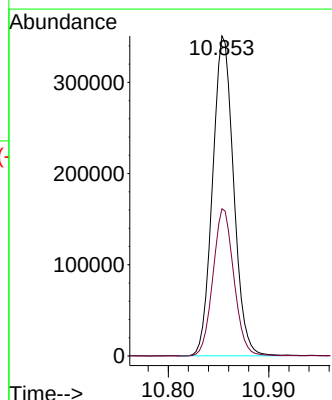
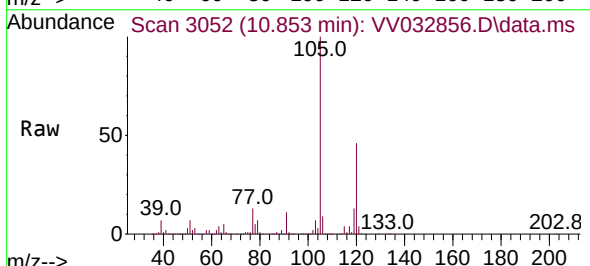
Acq: 06 Nov 2023 16:21

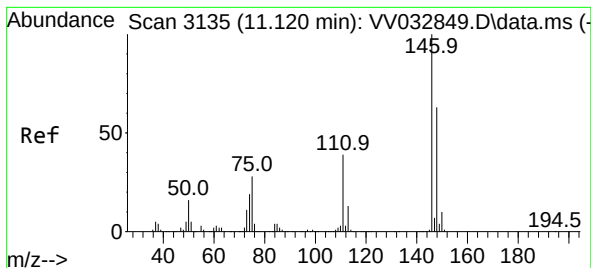
Tgt Ion:105 Resp: 509735

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 46.598 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

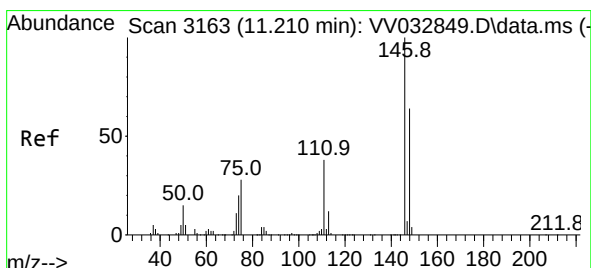
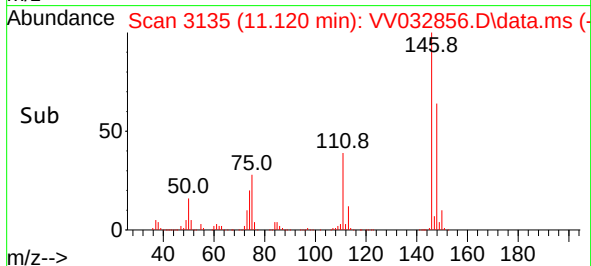
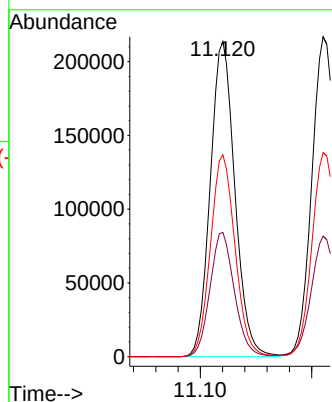
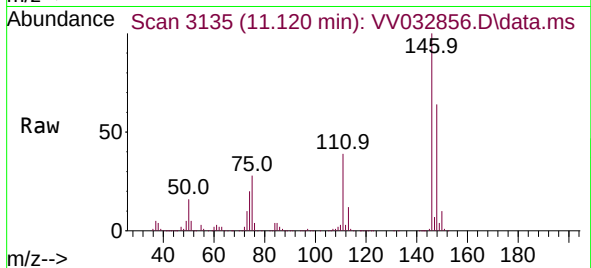
Tgt Ion:146 Resp: 327976

Ion Ratio Lower Upper

146 100

111 39.5 27.2 50.4

148 64.1 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 45.922 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

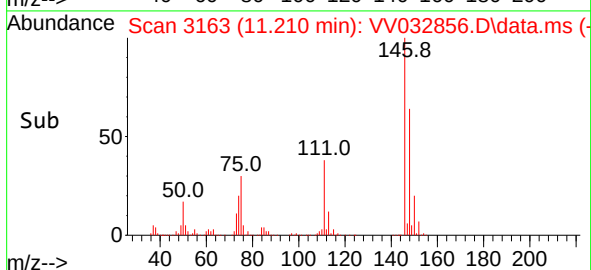
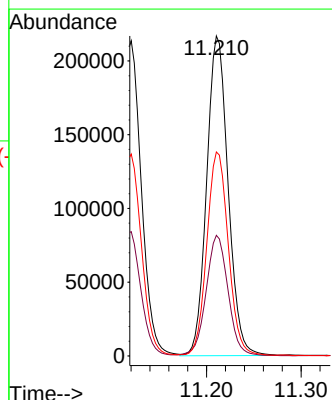
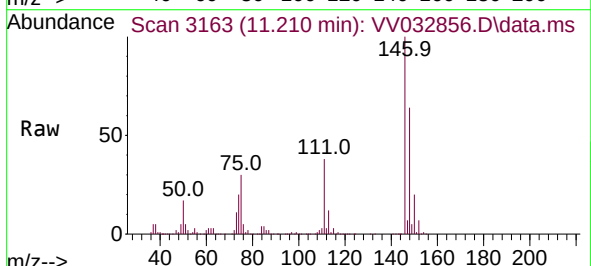
Tgt Ion:146 Resp: 341043

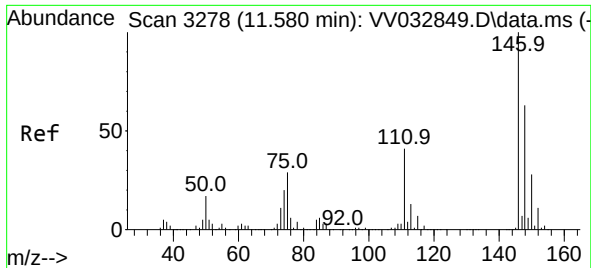
Ion Ratio Lower Upper

146 100

111 37.7 26.5 49.1

148 63.8 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 46.371 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

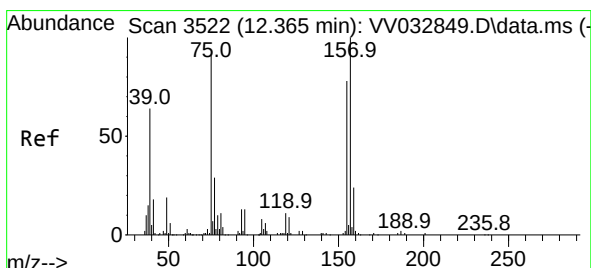
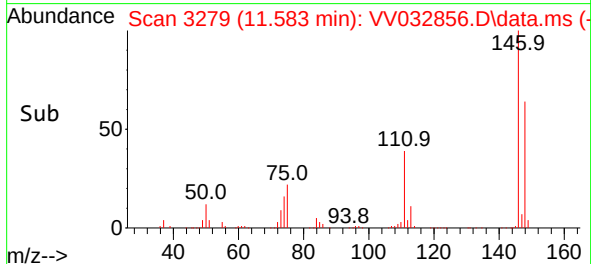
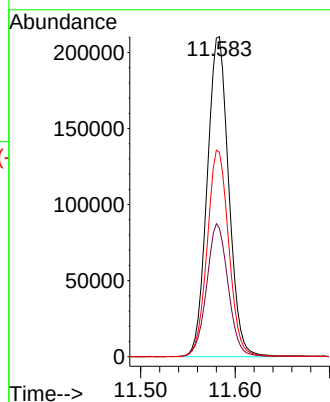
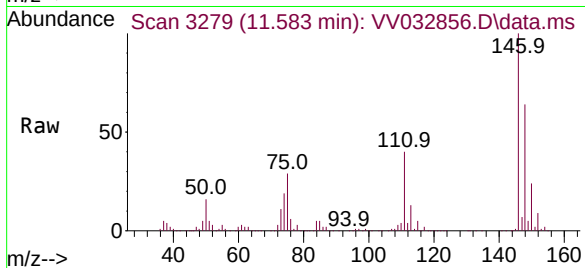
Tgt Ion:146 Resp: 333193

Ion Ratio Lower Upper

146 100

111 40.1 32.5 48.7

148 63.9 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 48.038 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

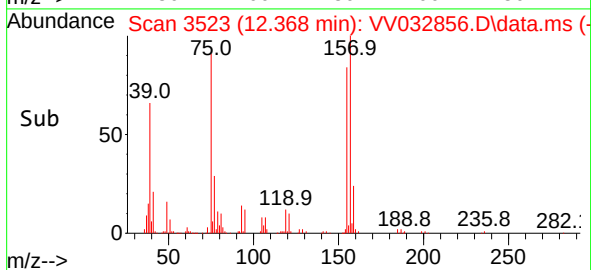
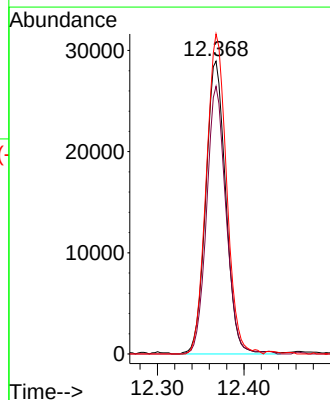
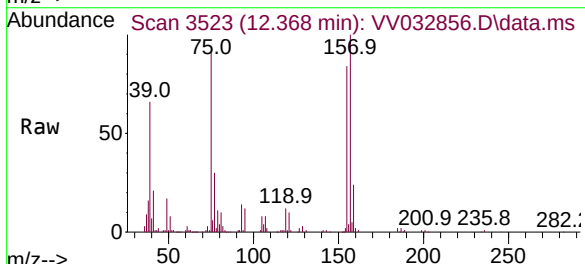
Tgt Ion: 75 Resp: 46523

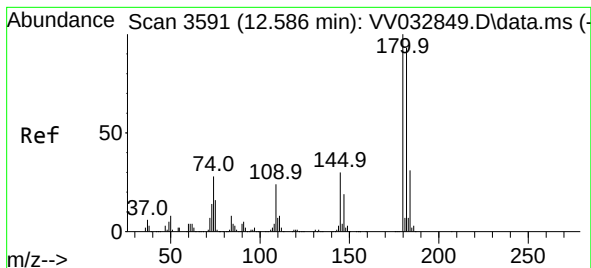
Ion Ratio Lower Upper

75 100

155 91.4 68.6 102.8

157 109.3 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 45.725 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 232337

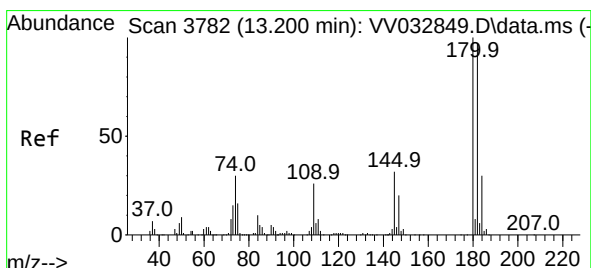
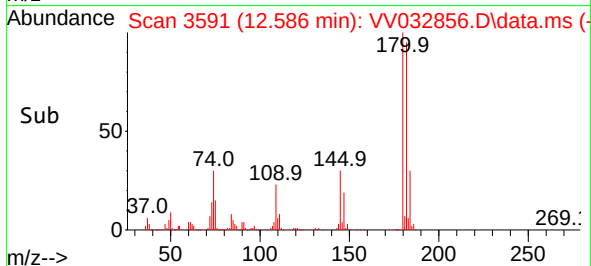
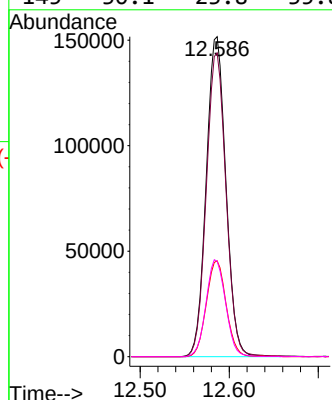
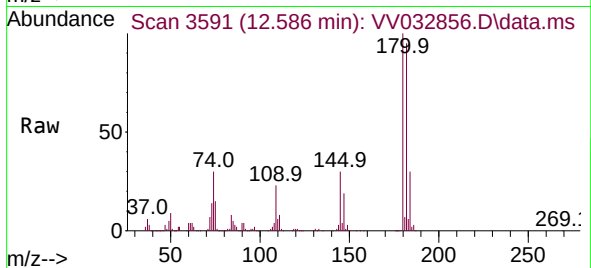
Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

184 30.2 23.5 35.3

145 30.1 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 47.330 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

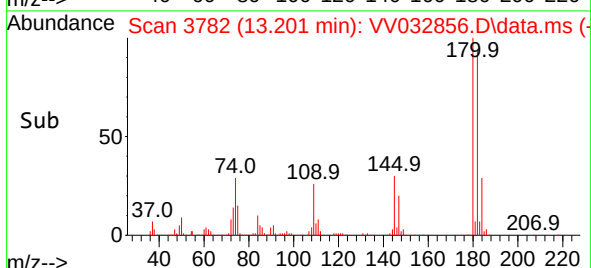
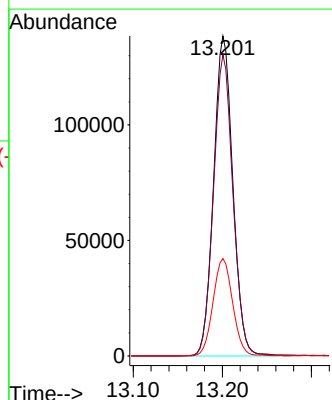
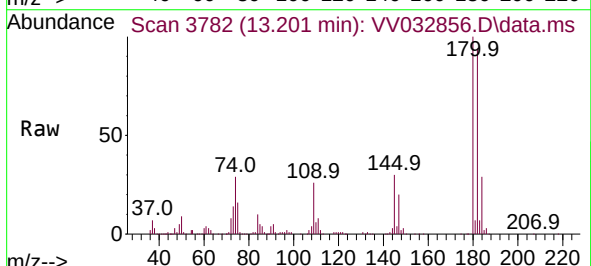
Tgt Ion:180 Resp: 207981

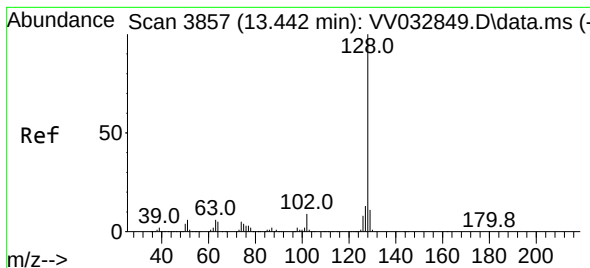
Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 31.1 24.7 37.1





#71

Naphthalene

Concen: 57.964 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Instrument :

MSVOA_V

ClientSampleId :

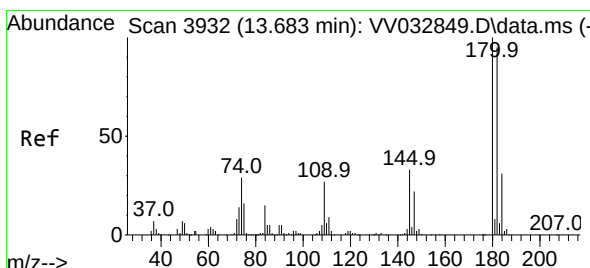
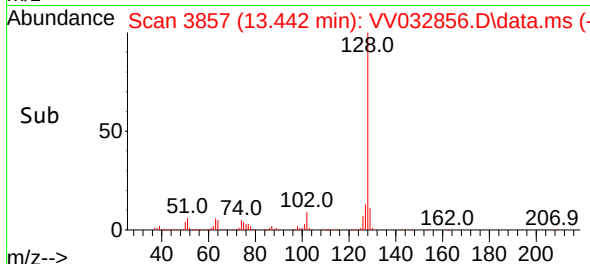
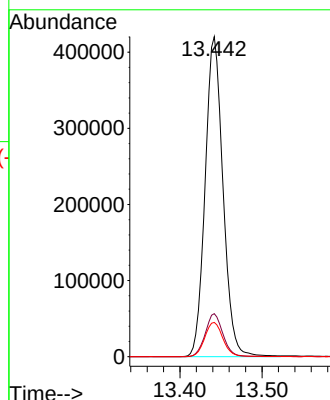
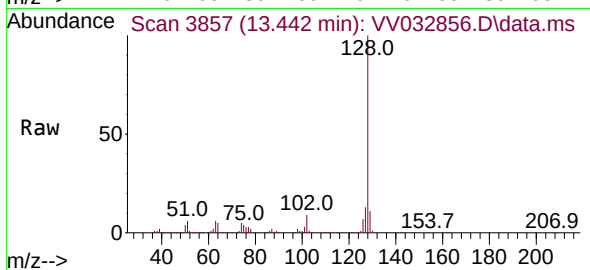
Tgt Ion:128 Resp: 636065

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 51.014 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032856.D

Acq: 06 Nov 2023 16:21

Tgt Ion:180 Resp: 223821

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.4

145 32.7 25.8 38.8

