

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092223\
 Data File : VV032165.D
 Acq On : 22 Sep 2023 16:47
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 23 01:27:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 23 01:24:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	282775	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	270413	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	146174	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	78647	44.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.880%
7) Chloroethane-d5	1.529	69	67912	43.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.560%
11) 1,1-Dichloroethene-d2	2.059	65	34459	41.584	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.160%
21) 2-Butanone-d5	3.789	46	138467	99.483	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.480%
24) Chloroform-d	4.252	84	165826	42.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.740%
26) 1,2-Dichloroethane-d4	4.944	65	103601	40.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.720%
32) Benzene-d6	4.963	84	325955	44.175	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.340%
36) 1,2-Dichloropropane-d6	5.992	67	105045	44.230	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.460%
41) Toluene-d8	7.246	98	300995	44.272	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.540%
43) trans-1,3-Dichloroprop...	7.554	79	51432	41.782	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.560%
47) 2-Hexanone-d5	8.027	63	92359	126.880	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.880%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	147548	48.076	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.160%
66) 1,2-Dichlorobenzene-d4	11.564	152	119861	44.981	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	62290	36.184	ug/L	99
3) Chloromethane	1.217	50	69361	39.513	ug/L	96
5) Vinyl chloride	1.281	62	72746	38.805	ug/L	99
6) Bromomethane	1.484	94	45583	41.297	ug/L	98
8) Chloroethane	1.548	64	52560	42.187	ug/L	99
9) Trichlorofluoromethane	1.712	101	118650	43.418	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76956	46.640	ug/L	99
12) 1,1-Dichloroethene	2.069	96	63581	42.901	ug/L	91
13) Acetone	2.111	43	118261	95.461	ug/L	99
14) Carbon disulfide	2.240	76	114678	33.959	ug/L	99
15) Methyl Acetate	2.371	43	114152	51.665	ug/L	100
16) Methylene chloride	2.449	84	89672	47.085	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	71398	43.943	ug/L	90
18) Methyl tert-butyl Ether	2.706	73	323545	47.117	ug/L	98
19) 1,1-Dichloroethane	3.114	63	171798	47.181	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	97377	47.770	ug/L	92
22) 2-Butanone	3.866	43	167086	101.927	ug/L	98
23) Bromochloromethane	4.153	128	47814	48.347	ug/L	95
25) Chloroform	4.278	83	179492	47.411	ug/L	100

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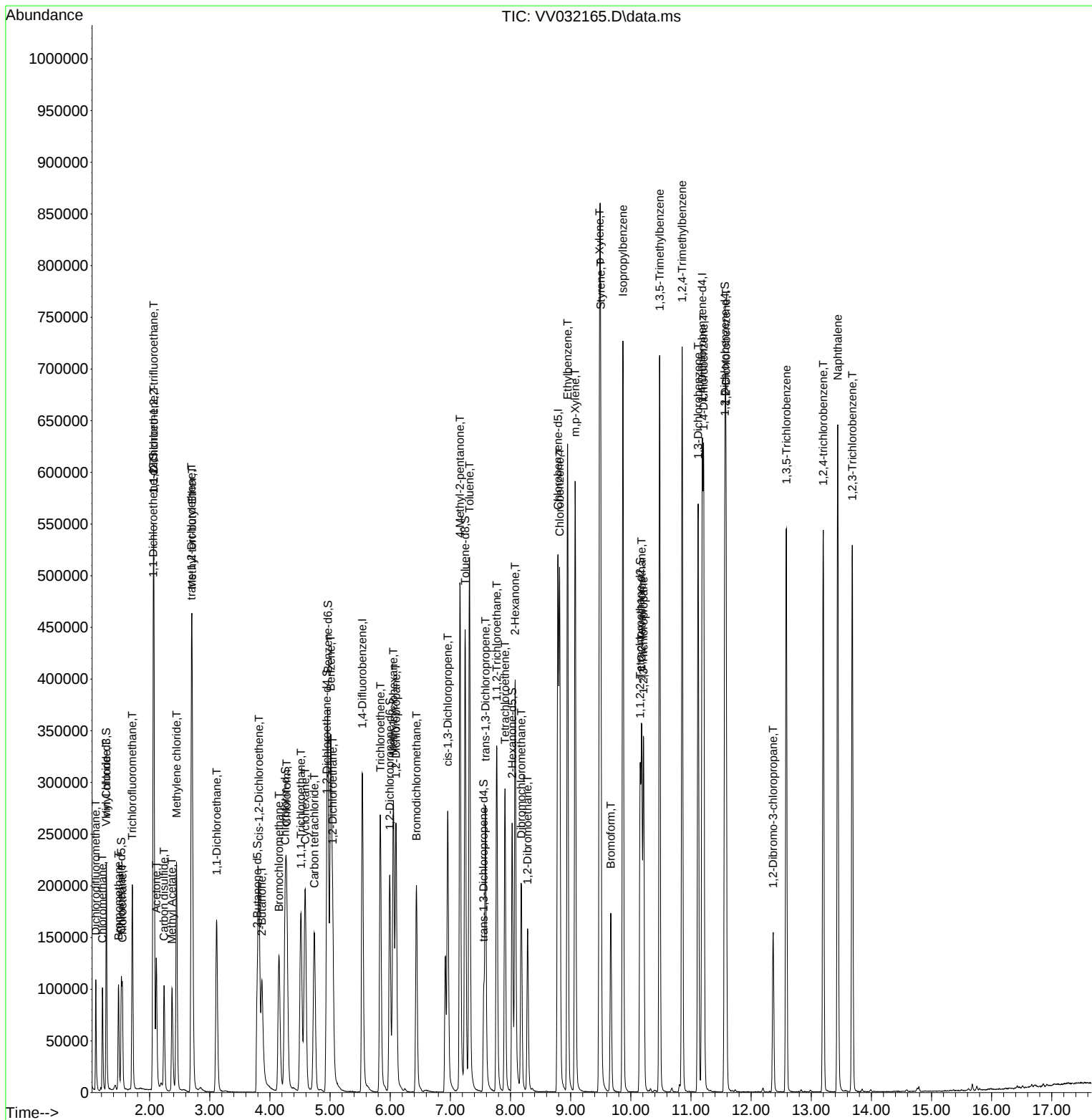
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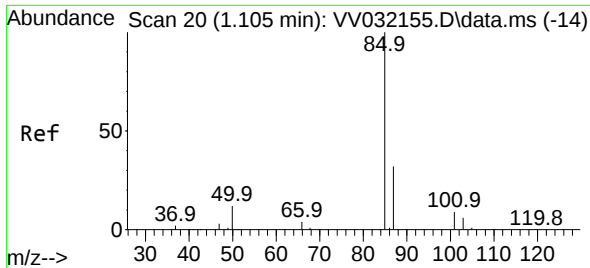
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 23 01:24:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	132625	44.466	ug/L	96
29) Cyclohexane	4.587	56	115740	41.108	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	146738	46.522	ug/L	99
31) Carbon tetrachloride	4.738	117	119109	44.472	ug/L	99
33) Benzene	5.011	78	345200	47.510	ug/L	100
34) Trichloroethene	5.837	95	95006	42.755	ug/L	98
35) Methylcyclohexane	6.053	83	121875	41.235	ug/L	98
37) 1,2-Dichloropropane	6.095	63	102362	49.703	ug/L	100
38) Bromodichloromethane	6.436	83	139555	47.740	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	169374	47.304	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	343244	105.007	ug/L	100
42) Toluene	7.320	91	377617	47.247	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	158007	45.929	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	106702	51.283	ug/L	98
46) Tetrachloroethene	7.908	164	65083	46.645	ug/L	98
48) 2-Hexanone	8.079	43	258518	103.562	ug/L	99
49) Dibromochloromethane	8.178	129	105834	49.500	ug/L	99
50) 1,2-Dibromoethane	8.284	107	105684	48.496	ug/L	100
51) Chlorobenzene	8.818	112	261790	49.294	ug/L	97
52) Ethylbenzene	8.950	91	443214	46.814	ug/L	100
53) m,p-Xylene	9.075	106	162767	46.303	ug/L	97
54) o-Xylene	9.480	106	165656	47.382	ug/L	99
55) Styrene	9.500	104	294898	47.714	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	171430	58.203	ug/L	99
59) Bromoform	9.667	173	74886	49.404	ug/L	99
60) Isopropylbenzene	9.869	105	463159	47.307	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	139898	50.658	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	377227	45.798	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	383463	46.279	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	219208	49.959	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	223392	50.069	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	221229	50.882	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	37887	45.673	ug/L	90
69) 1,3,5-Trichlorobenzene	12.586	180	161232	50.406	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	154844	50.432	ug/L	98
71) Naphthalene	13.442	128	481687	49.104	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	154172	52.402	ug/L	99

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

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Response via : Initial Calibration

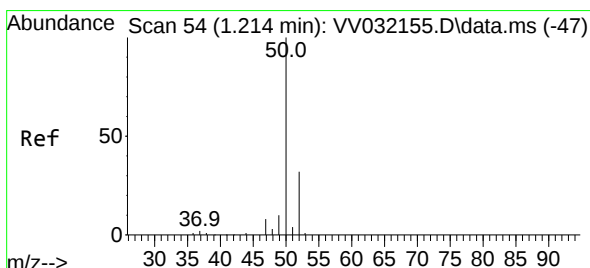
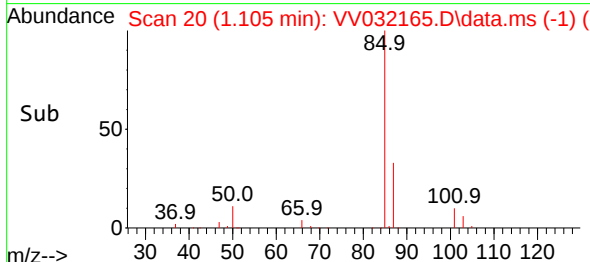
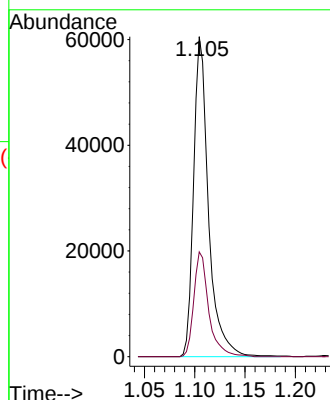
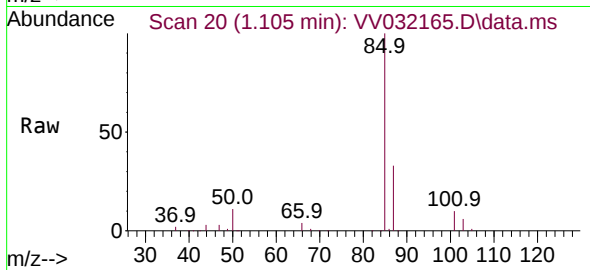




#2
 Dichlorodifluoromethane
 Concen: 36.184 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032165.D
 Acq: 22 Sep 2023 16:47

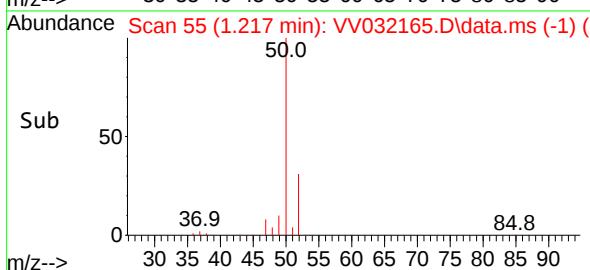
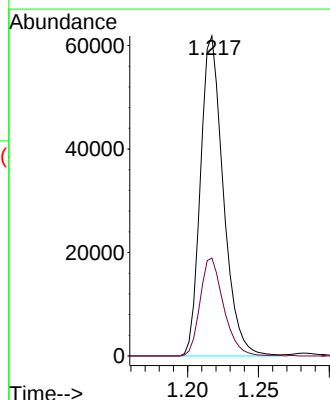
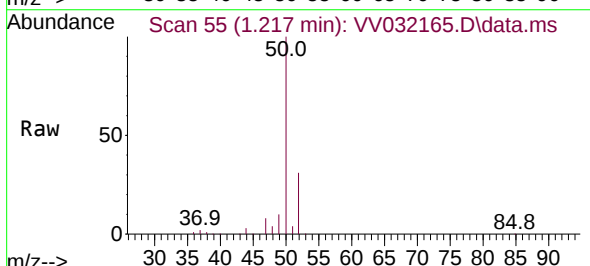
Instrument :
 MSVOA_V
 ClientSampleId :

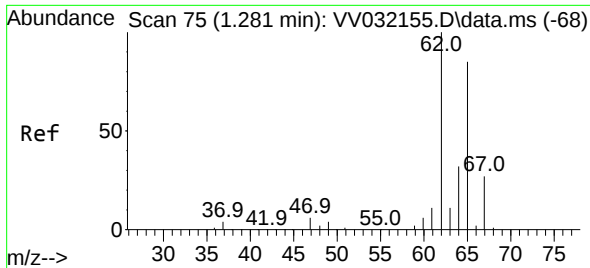
Tgt Ion: 85 Resp: 62290
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.8 40.2



#3
 Chloromethane
 Concen: 39.513 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032165.D
 Acq: 22 Sep 2023 16:47

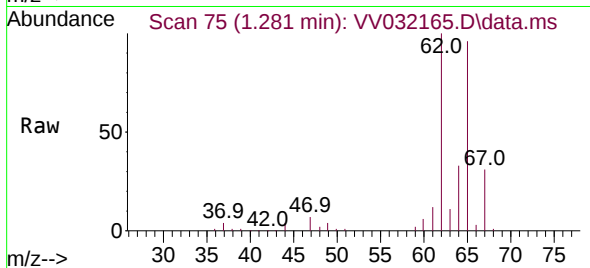
Tgt Ion: 50 Resp: 69361
 Ion Ratio Lower Upper
 50 100
 52 30.6 23.0 42.6



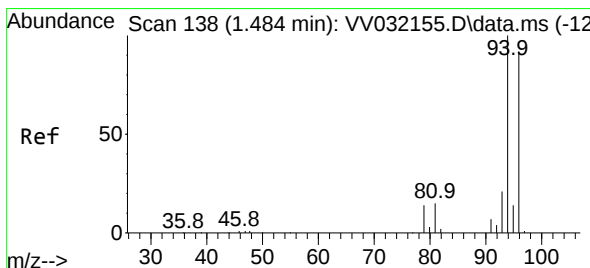
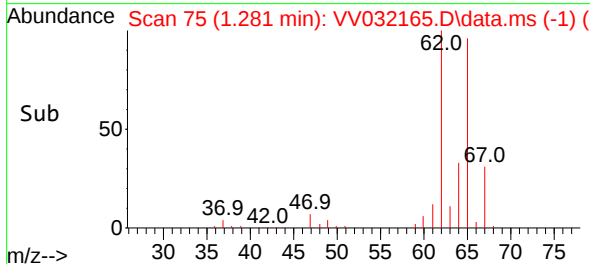
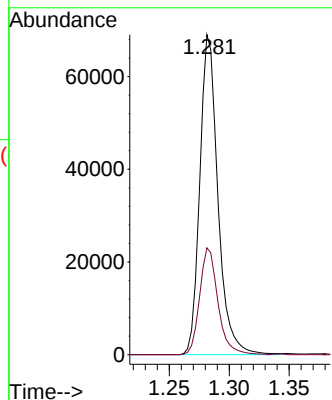


#5
 Vinyl chloride
 Concen: 38.805 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV032165.D
 Acq: 22 Sep 2023 16:47

Instrument :
 MSVOA_V
 ClientSampleId :

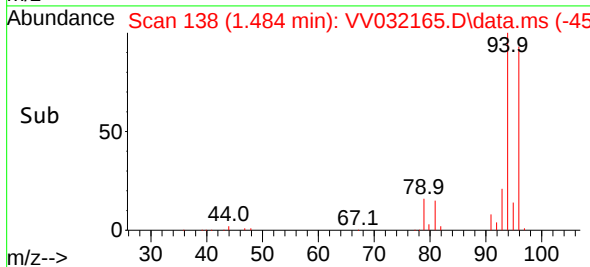
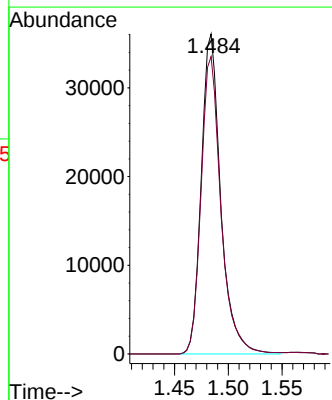
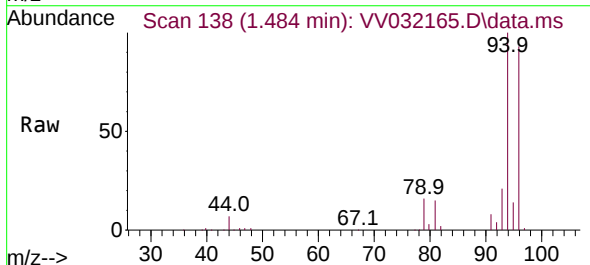


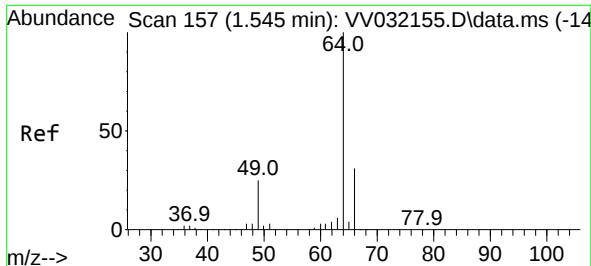
Tgt Ion: 62 Resp: 72746
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.6 43.8



#6
 Bromomethane
 Concen: 41.297 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032165.D
 Acq: 22 Sep 2023 16:47

Tgt Ion: 94 Resp: 45583
 Ion Ratio Lower Upper
 94 100
 96 93.0 66.4 123.4

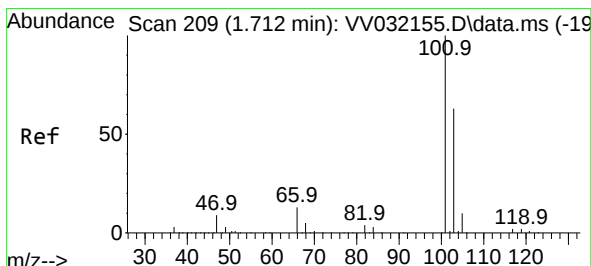
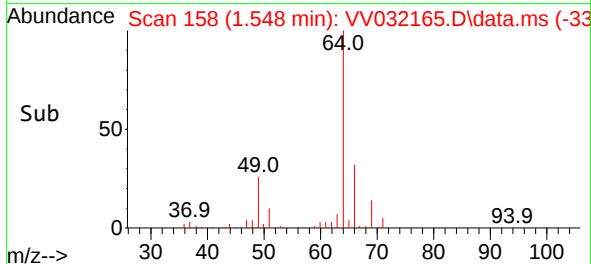
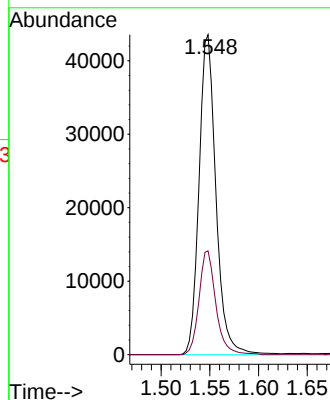
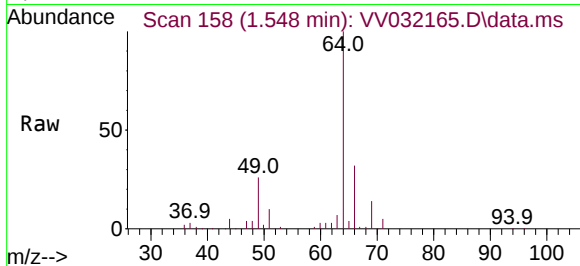




#8
Chloroethane
Concen: 42.187 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

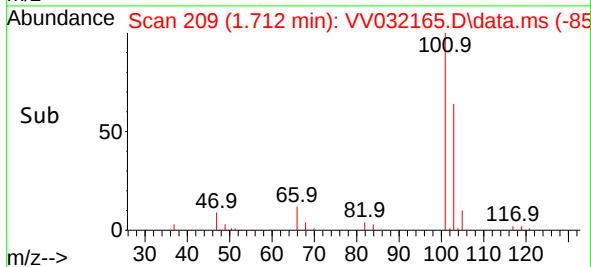
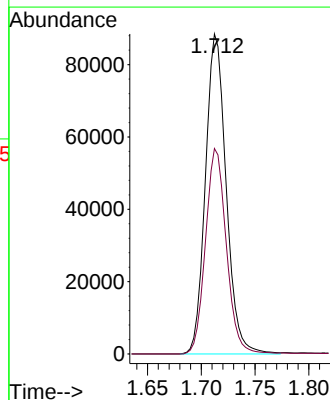
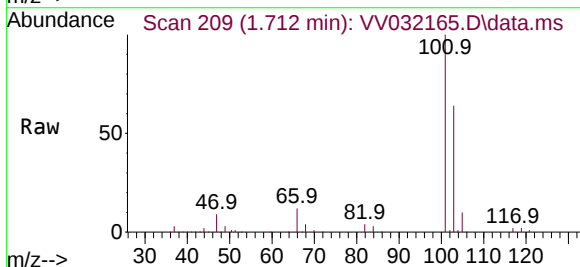
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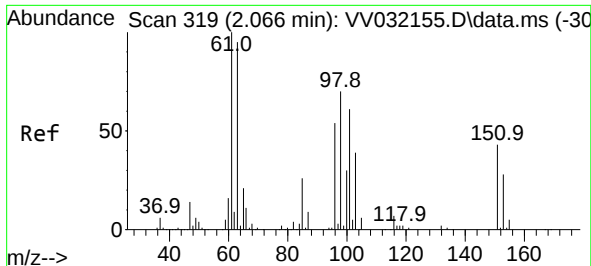
Tgt Ion: 64 Resp: 52560
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 43.418 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion:101 Resp: 118650
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9

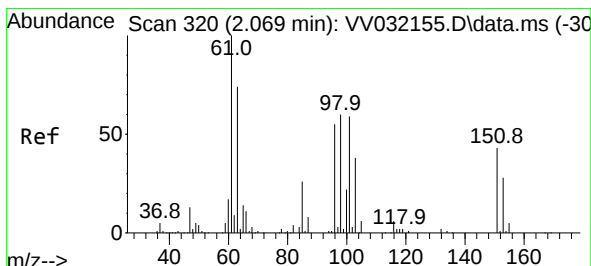
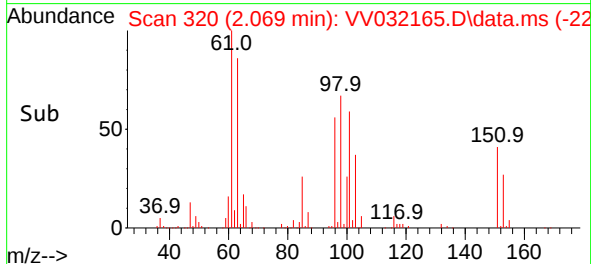
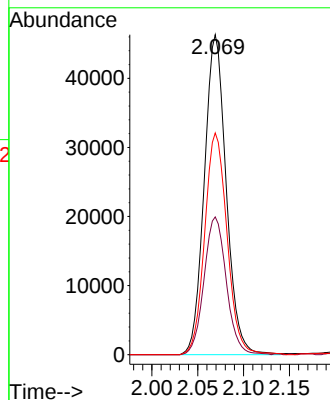
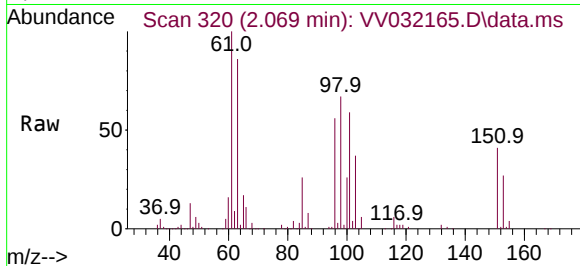




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.640 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

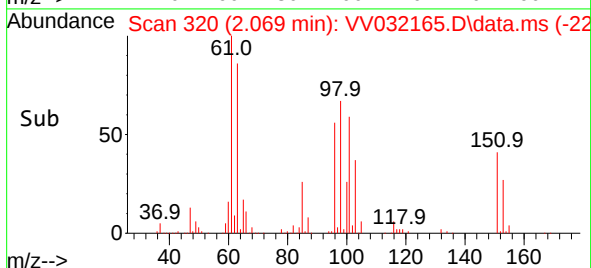
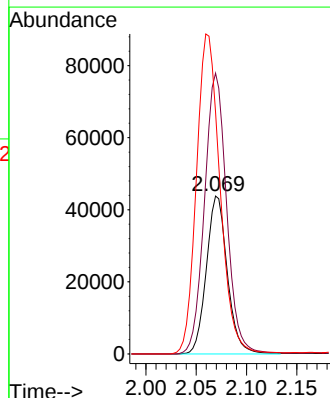
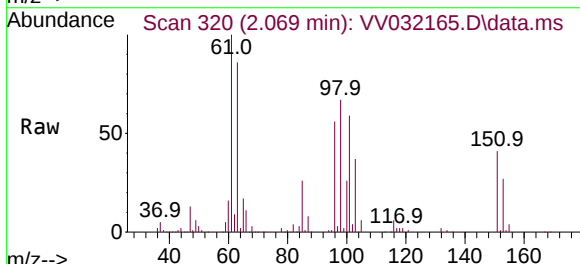
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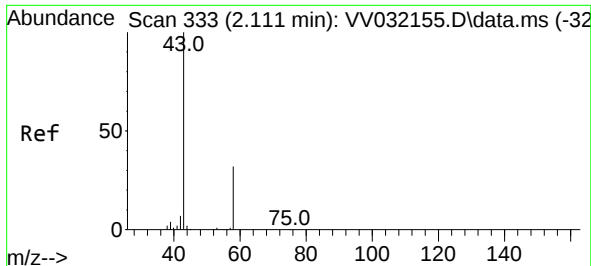
Tgt Ion:101 Resp: 76956
Ion Ratio Lower Upper
101 100
85 43.8 35.8 53.8
151 70.7 56.5 84.7



#12
1,1-Dichloroethene
Concen: 42.901 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion: 96 Resp: 63581
Ion Ratio Lower Upper
96 100
61 177.8 133.8 248.6
63 153.1 115.2 214.0





#13

Acetone

Concen: 95.461 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

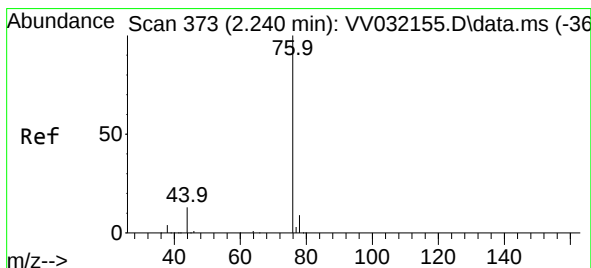
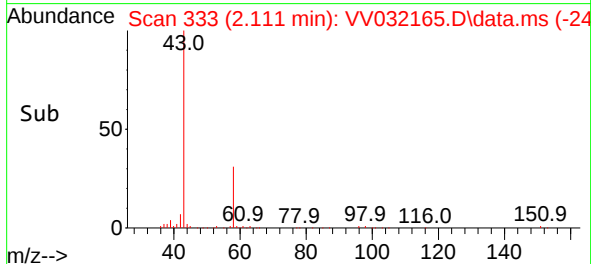
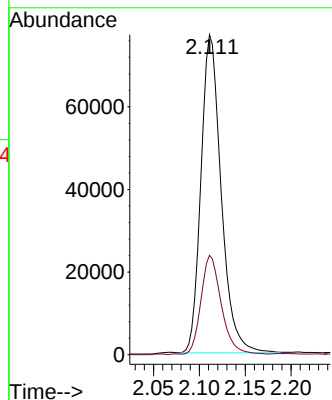
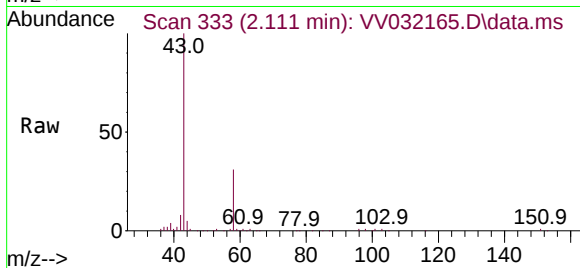
ClientSampleId :

Tgt Ion: 43 Resp: 118261

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.0



#14

Carbon disulfide

Concen: 33.959 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032165.D

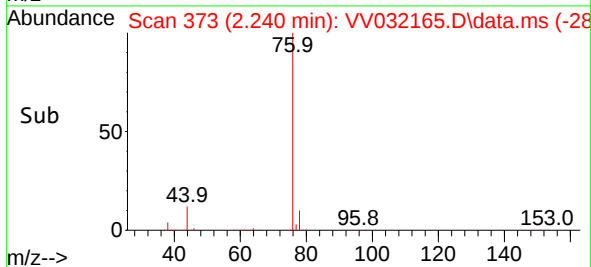
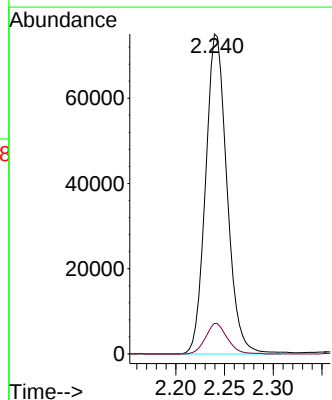
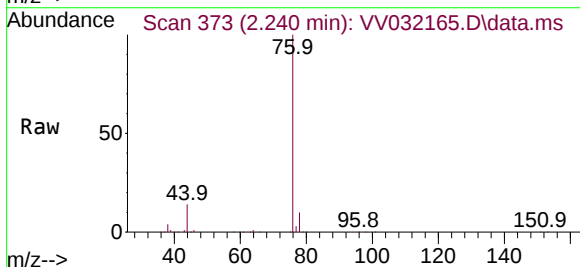
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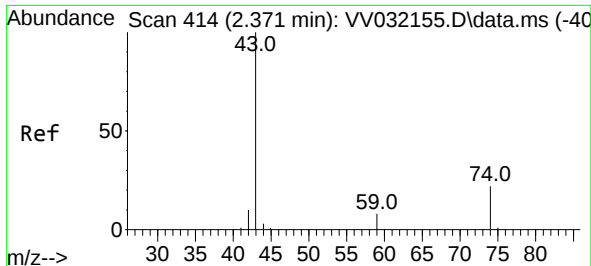
Tgt Ion: 76 Resp: 114678

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

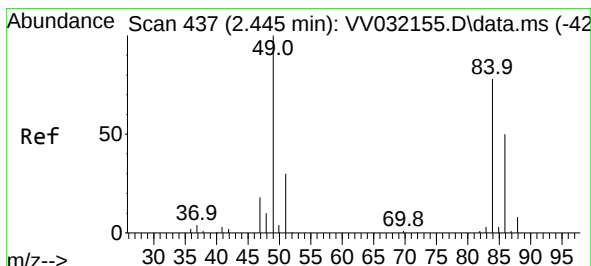
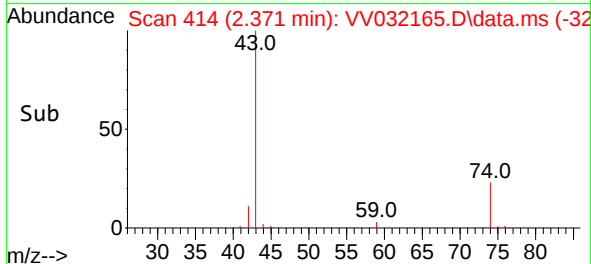
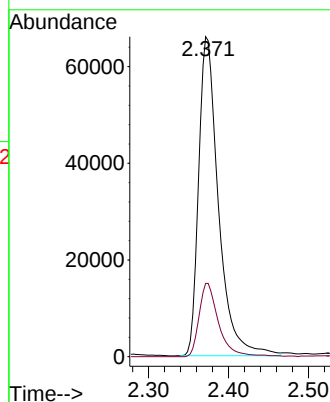
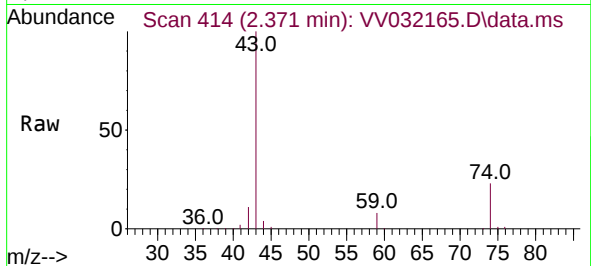




#15
Methyl Acetate
Concen: 51.665 ug/L
RT: 2.371 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

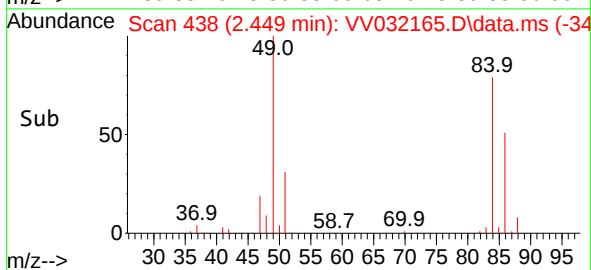
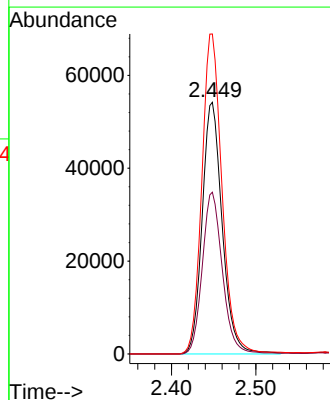
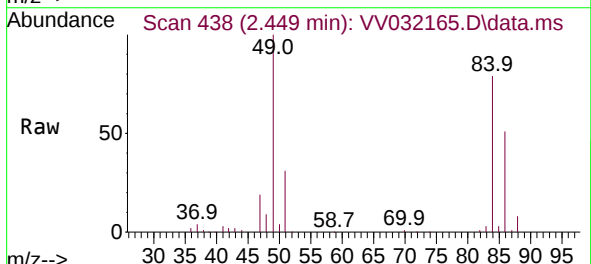
Instrument :
MSVOA_V
ClientSampleId :

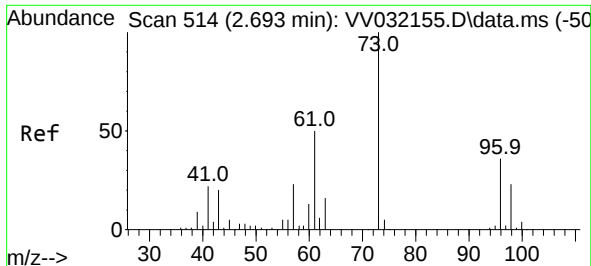
Tgt Ion: 43 Resp: 114152
Ion Ratio Lower Upper
43 100
74 22.3 17.9 26.9



#16
Methylene chloride
Concen: 47.085 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion: 84 Resp: 89672
Ion Ratio Lower Upper
84 100
86 64.3 44.6 82.8
49 127.2 91.6 170.2

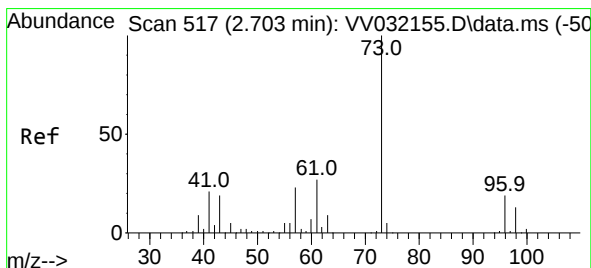
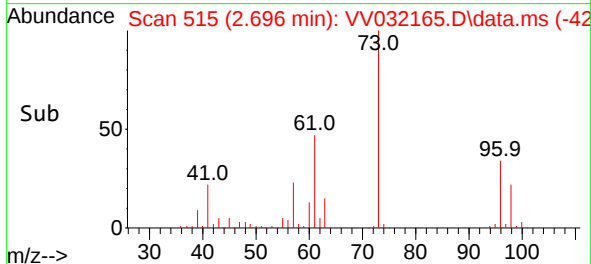
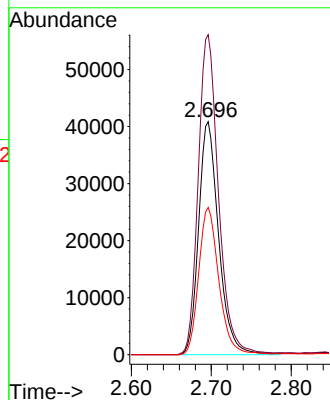
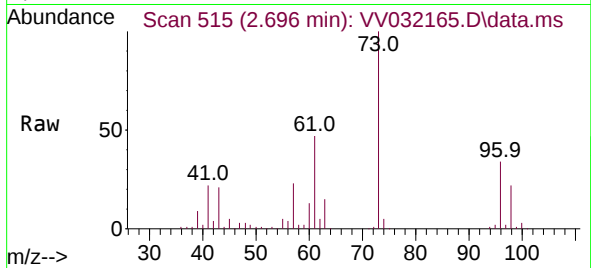




#17
trans-1,2-Dichloroethene
Concen: 43.943 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

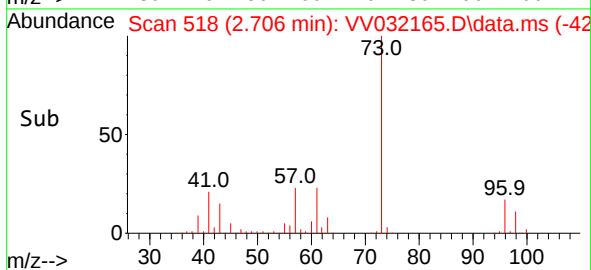
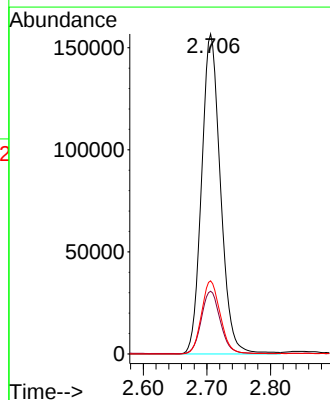
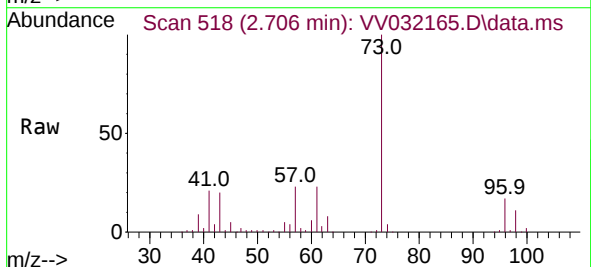
Instrument :
MSVOA_V
ClientSampleId :

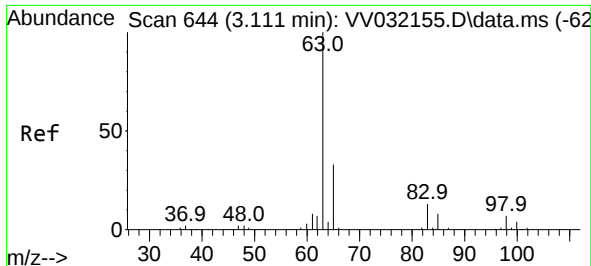
Tgt Ion: 96 Resp: 71398
Ion Ratio Lower Upper
96 100
61 137.4 107.3 199.3
98 63.2 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 47.117 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion: 73 Resp: 323545
Ion Ratio Lower Upper
73 100
43 19.5 16.6 25.0
57 22.7 17.6 26.4

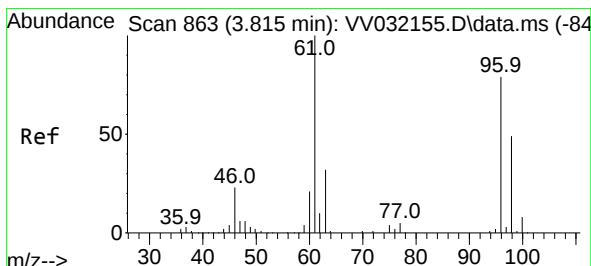
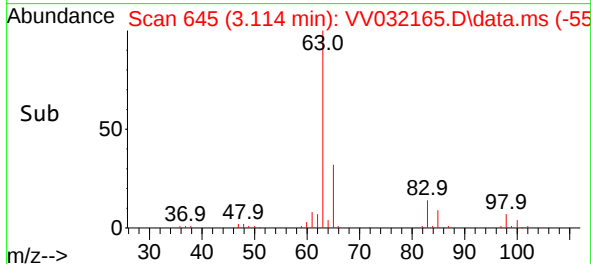
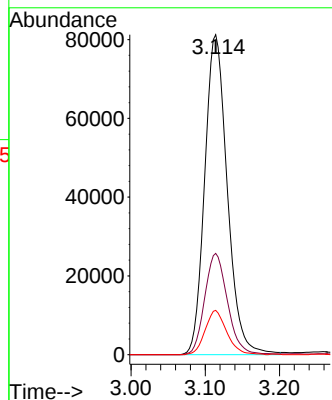
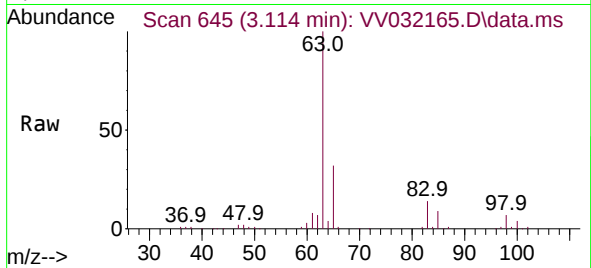




#19
1,1-Dichloroethane
Concen: 47.181 ug/L
RT: 3.114 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

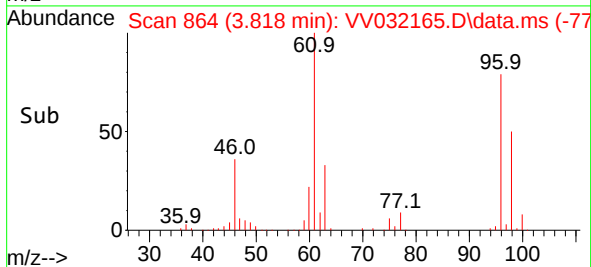
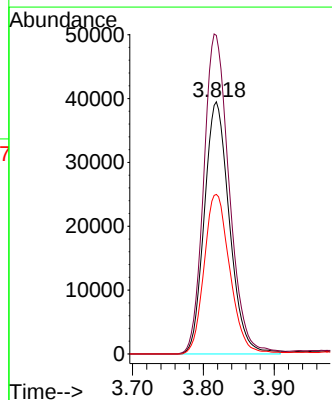
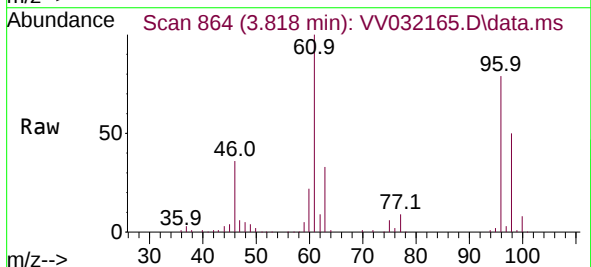
Instrument :
MSVOA_V
ClientSampleId :

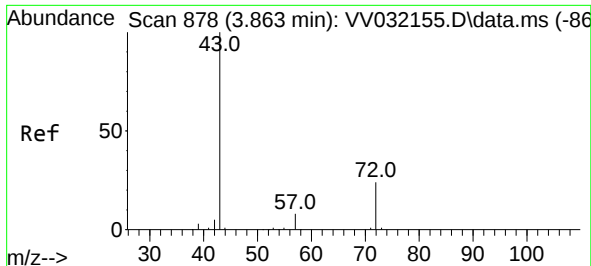
Tgt Ion: 63 Resp: 171798
Ion Ratio Lower Upper
63 100
65 31.6 22.4 41.6
83 13.9 8.7 16.1



#20
cis-1,2-Dichloroethene
Concen: 47.770 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion: 96 Resp: 97377
Ion Ratio Lower Upper
96 100
61 126.3 97.3 180.7
98 63.3 45.3 84.1

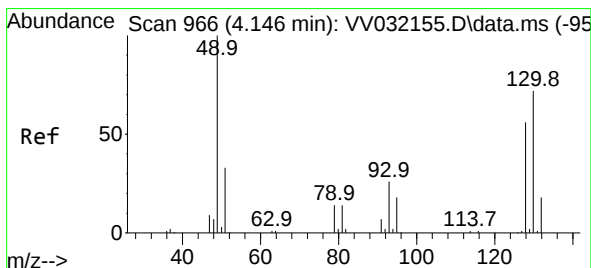
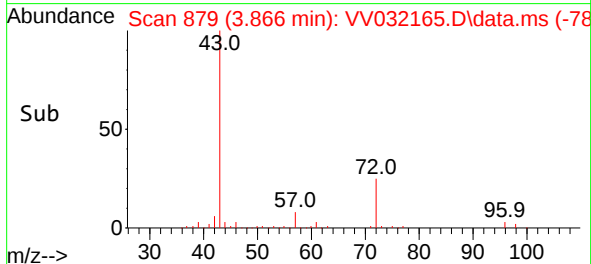
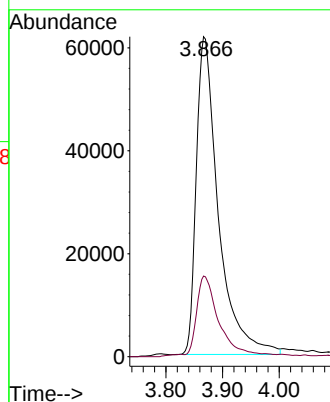
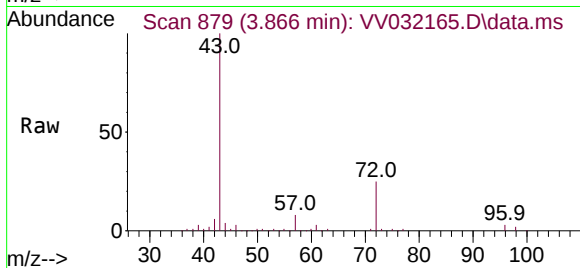




#22
2-Butanone
Concen: 101.927 ug/L
RT: 3.866 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

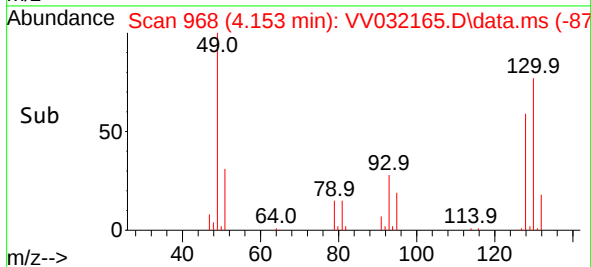
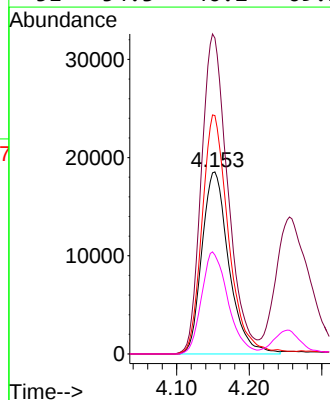
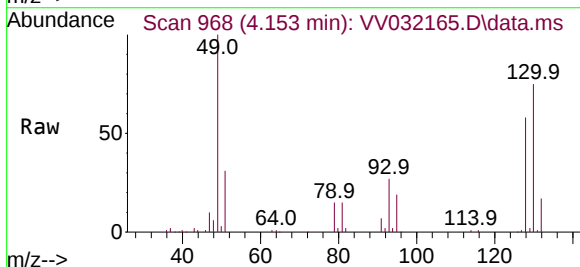
Instrument :
MSVOA_V
ClientSampleId :

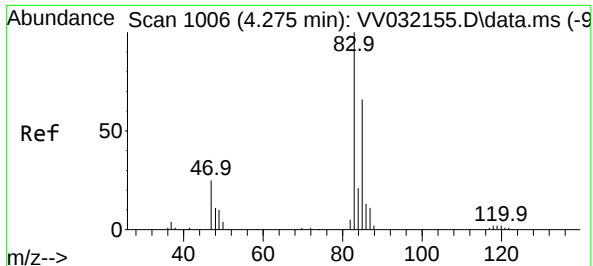
Tgt Ion: 43 Resp: 167086
Ion Ratio Lower Upper
43 100
72 24.0 12.6 37.8



#23
Bromochloromethane
Concen: 48.347 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.006 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion:128 Resp: 47814
Ion Ratio Lower Upper
128 100
49 173.5 127.8 237.4
130 131.0 90.1 167.3
51 54.3 46.2 69.2





#25

Chloroform

Concen: 47.411 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

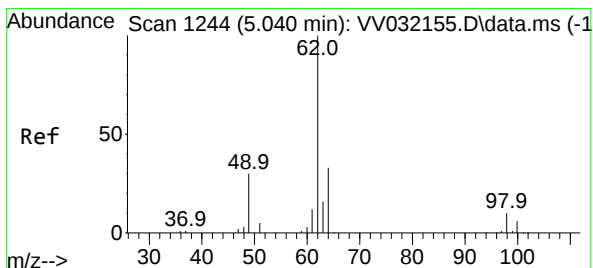
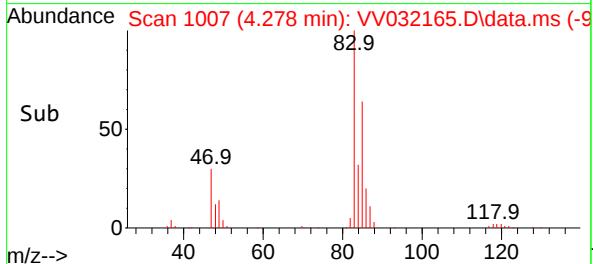
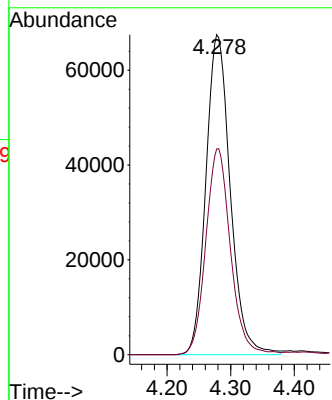
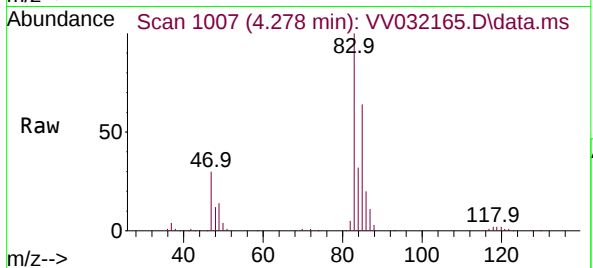
ClientSampleId :

Tgt Ion: 83 Resp: 179492

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3



#27

1,2-Dichloroethane

Concen: 44.466 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032165.D

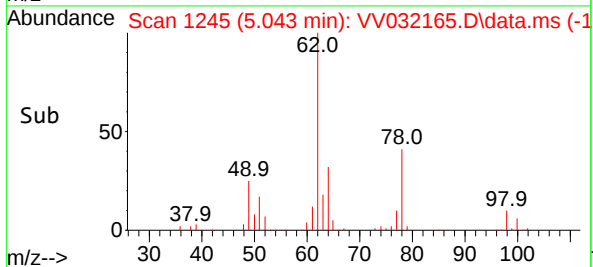
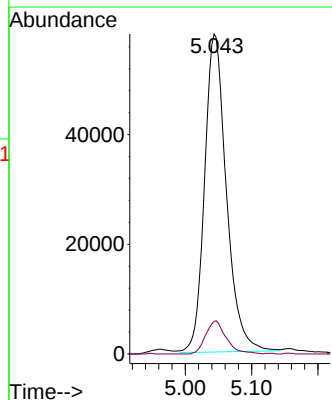
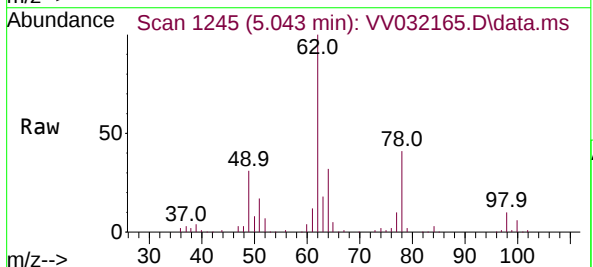
Acq: 22 Sep 2023 16:47

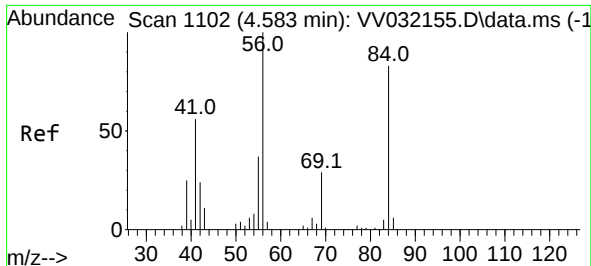
Tgt Ion: 62 Resp: 132625

Ion Ratio Lower Upper

62 100

98 10.2 7.0 10.4





#29

Cyclohexane

Concen: 41.108 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

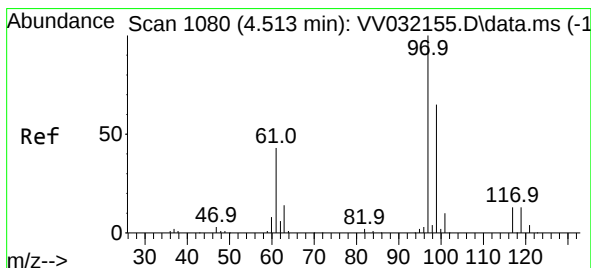
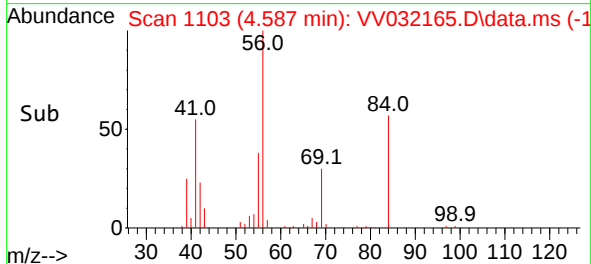
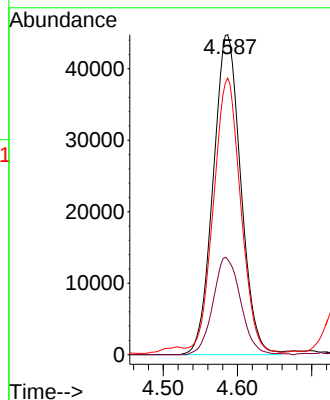
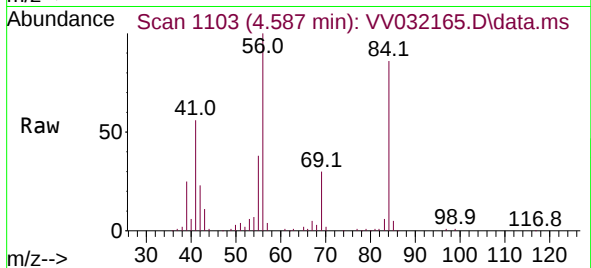
Tgt Ion: 56 Resp: 115740

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.4

84 84.8 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 46.522 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

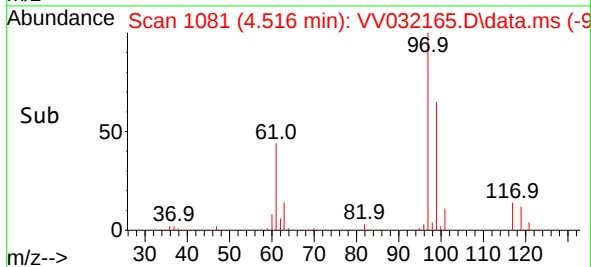
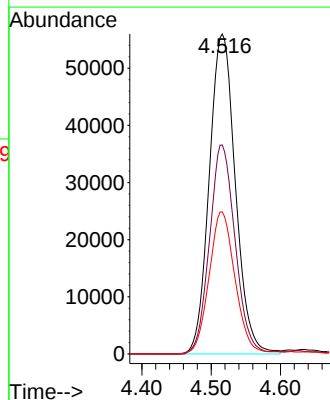
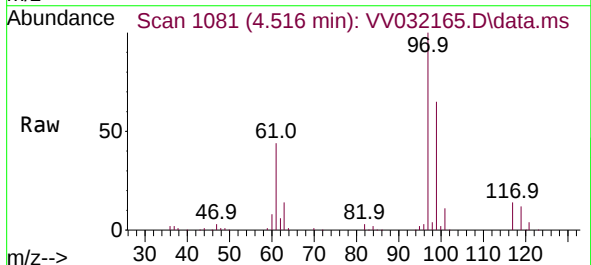
Tgt Ion: 97 Resp: 146738

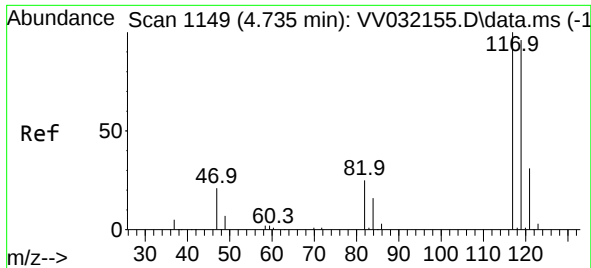
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 44.1 36.5 54.7

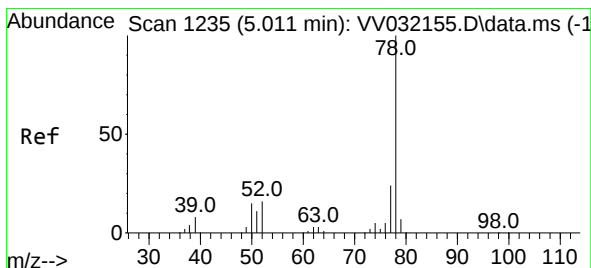
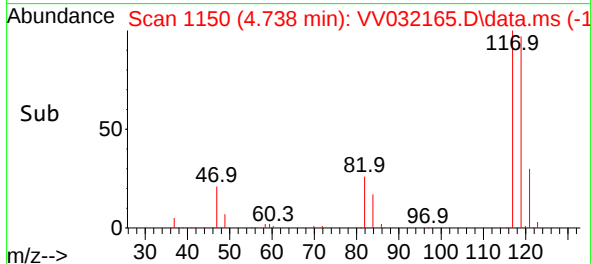
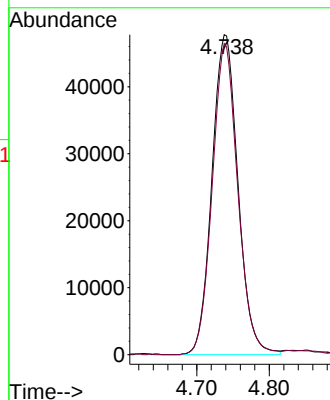
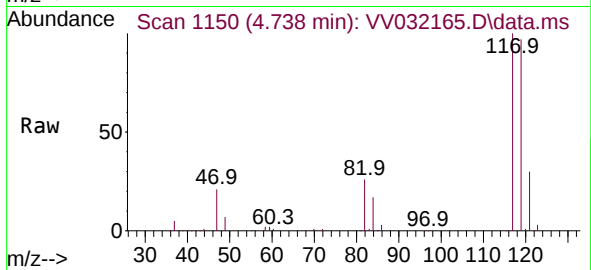




#31
Carbon tetrachloride
Concen: 44.472 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

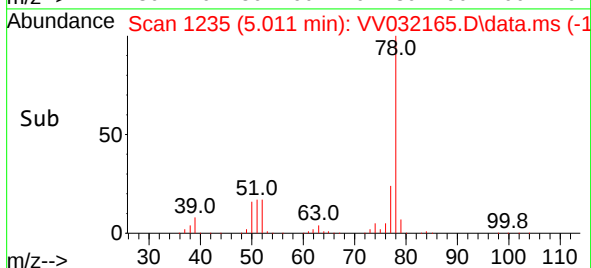
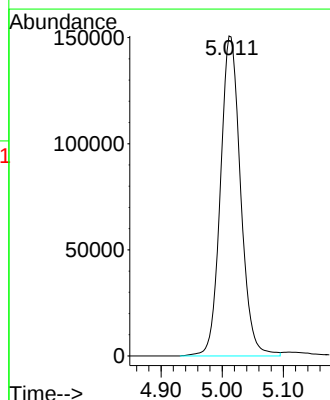
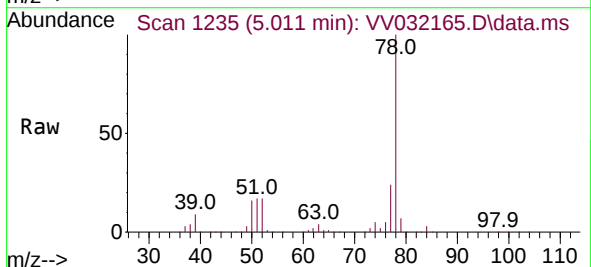
Instrument :
MSVOA_V
ClientSampleId :

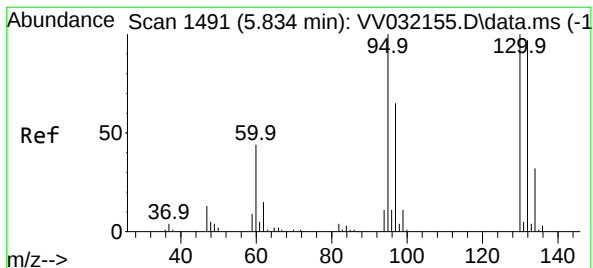
Tgt Ion:117 Resp: 119109
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.2



#33
Benzene
Concen: 47.510 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion: 78 Resp: 345200





#34

Trichloroethene

Concen: 42.755 ug/L

RT: 5.837 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 95006

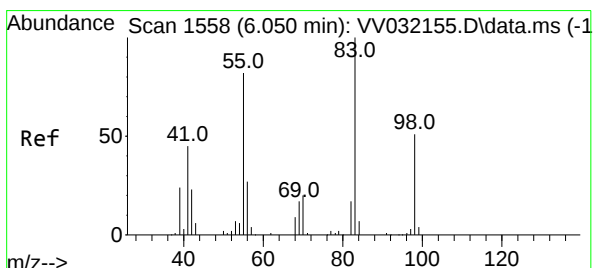
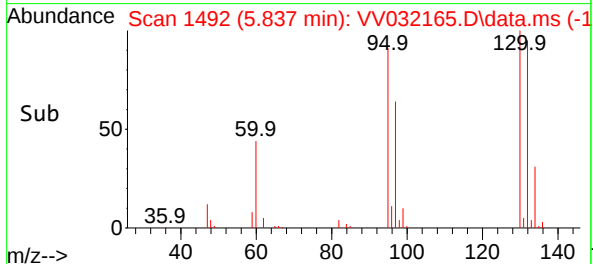
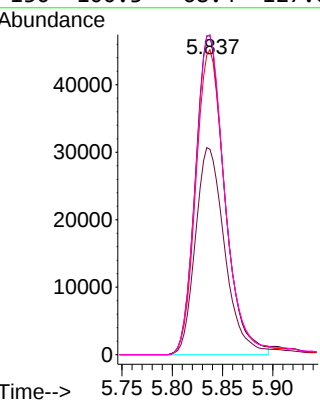
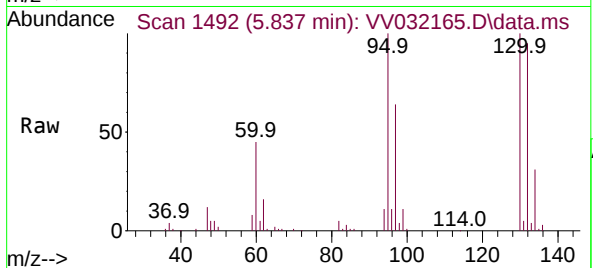
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.2

132 95.6 65.4 121.4

130 100.3 68.4 127.0



#35

Methylcyclohexane

Concen: 41.235 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

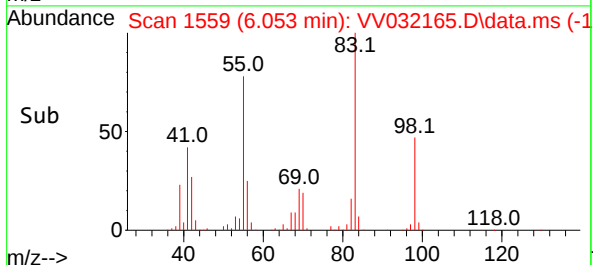
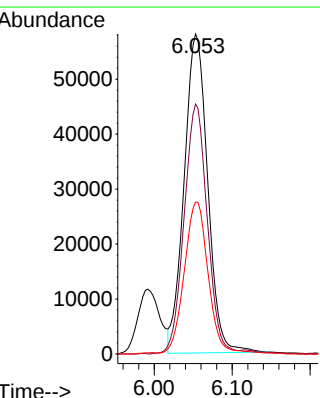
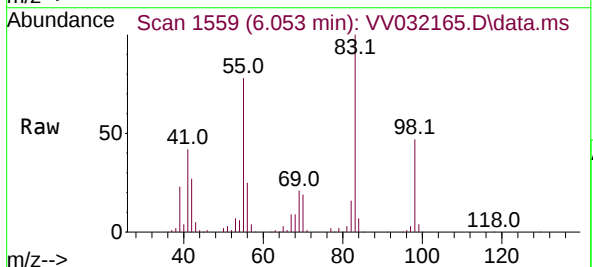
Tgt Ion: 83 Resp: 121875

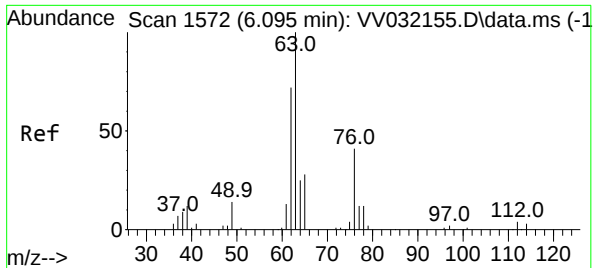
Ion Ratio Lower Upper

83 100

55 77.0 62.2 93.2

98 47.9 36.7 55.1





#37

1,2-Dichloropropane

Concen: 49.703 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

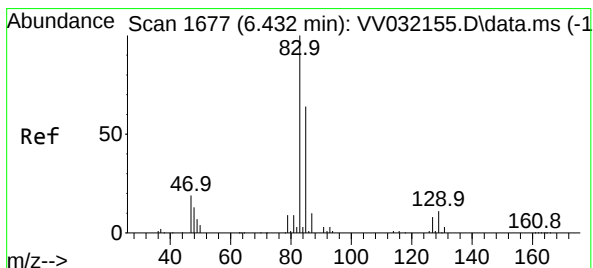
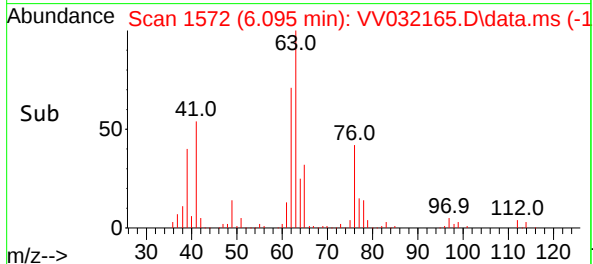
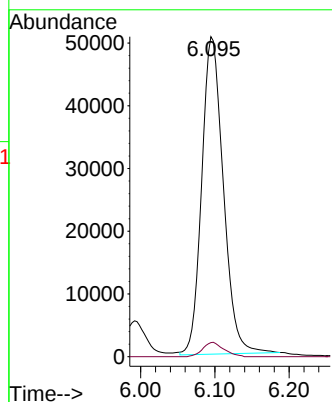
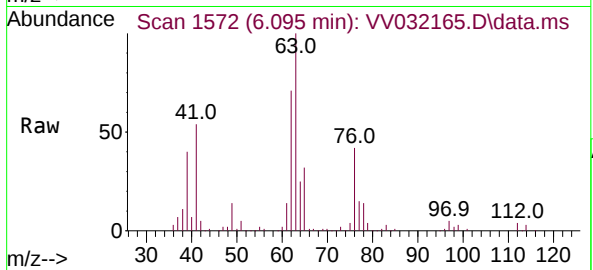
ClientSampleId :

Tgt Ion: 63 Resp: 102362

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 47.740 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

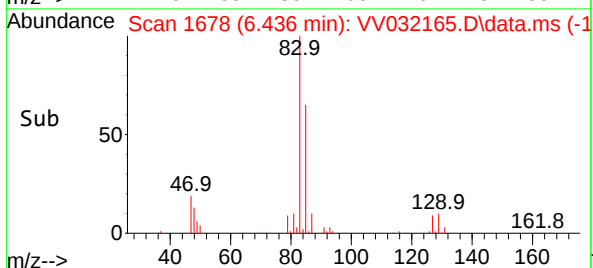
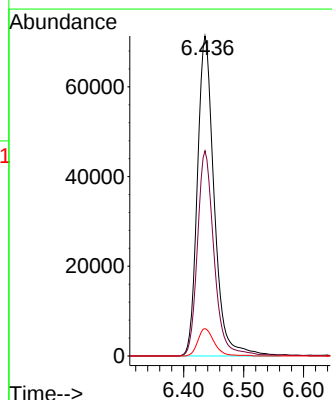
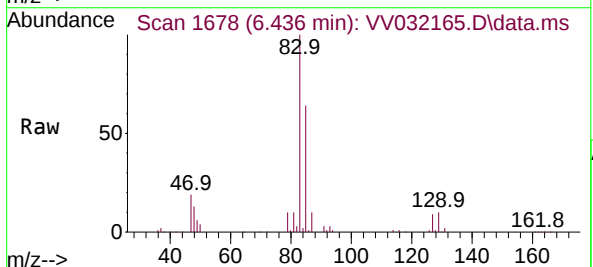
Tgt Ion: 83 Resp: 139555

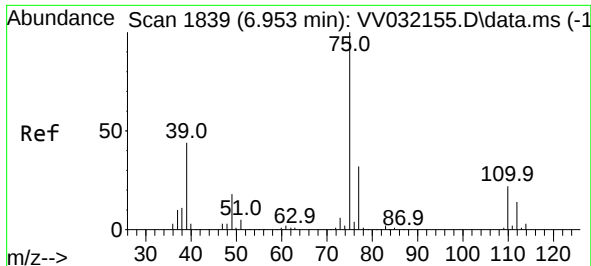
Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

127 8.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 47.304 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

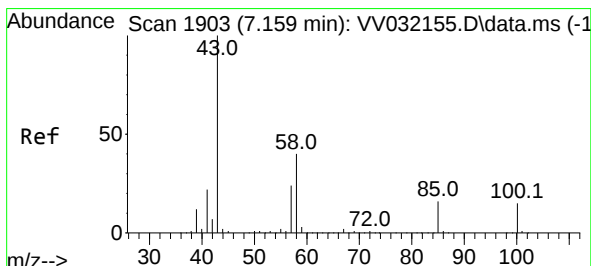
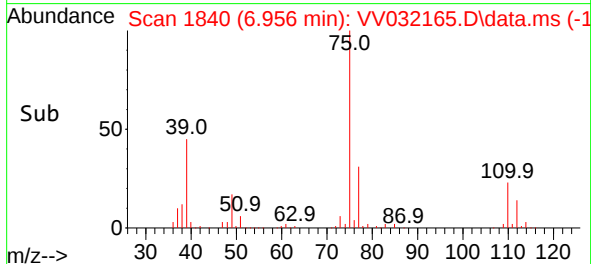
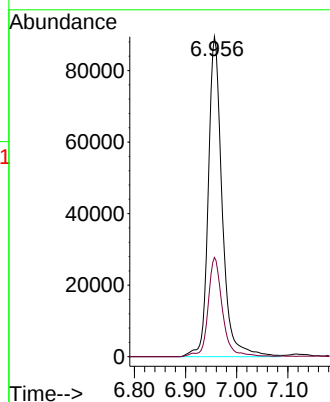
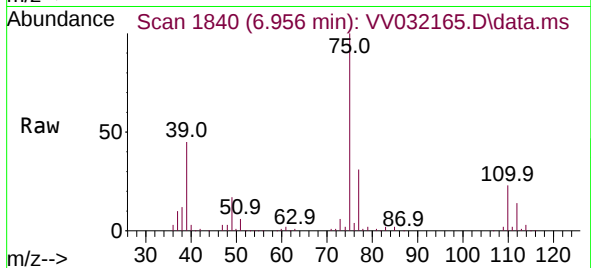
ClientSampleId :

Tgt Ion: 75 Resp: 169374

Ion Ratio Lower Upper

75 100

77 31.0 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 105.007 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

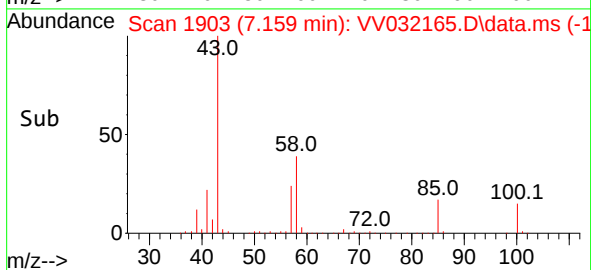
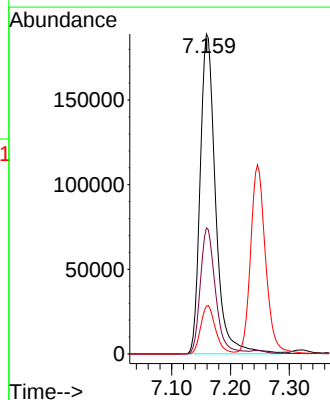
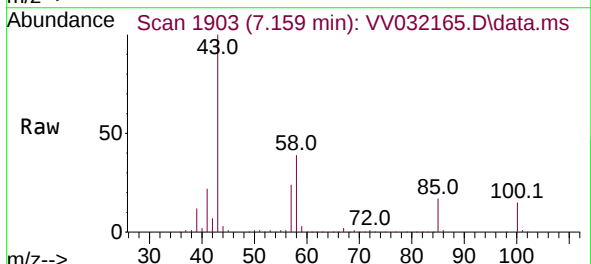
Tgt Ion: 43 Resp: 343244

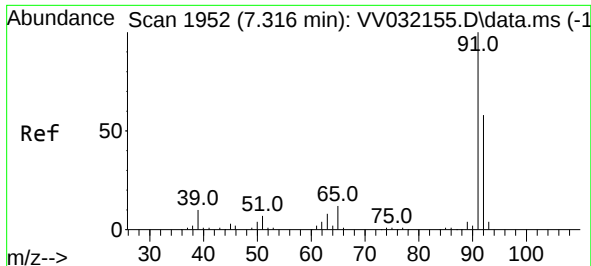
Ion Ratio Lower Upper

43 100

58 39.0 31.1 46.7

100 14.7 11.9 17.9





#42

Toluene

Concen: 47.247 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

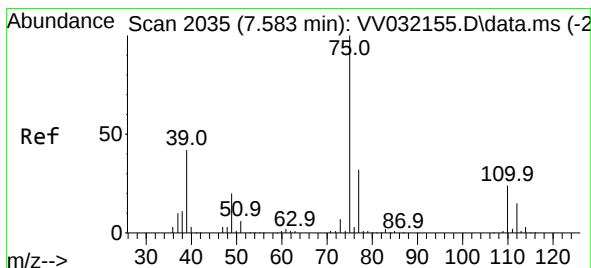
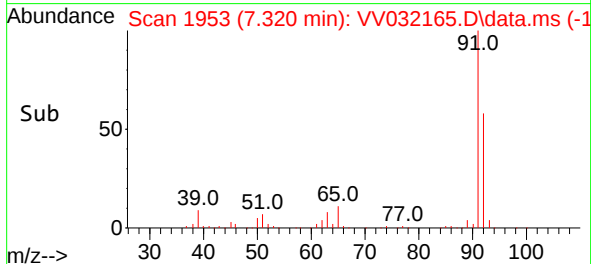
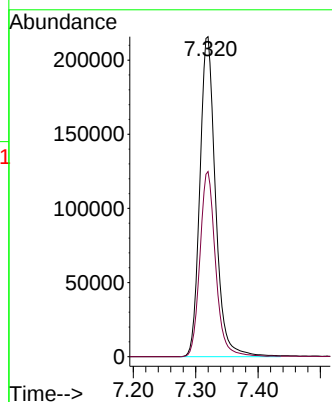
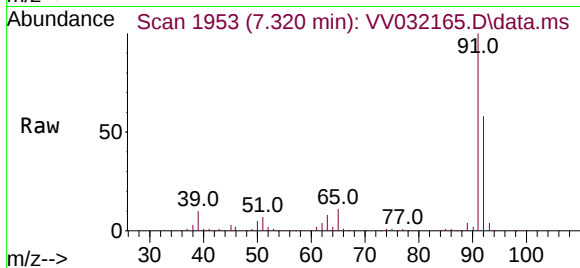
ClientSampleId :

Tgt Ion: 91 Resp: 377617

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 45.929 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032165.D

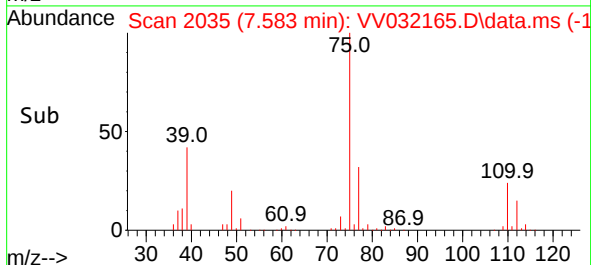
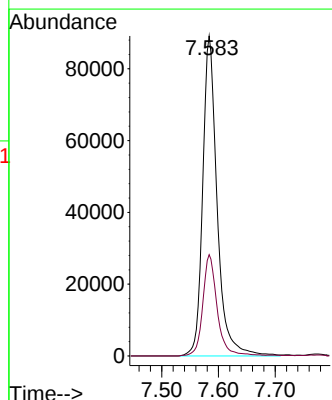
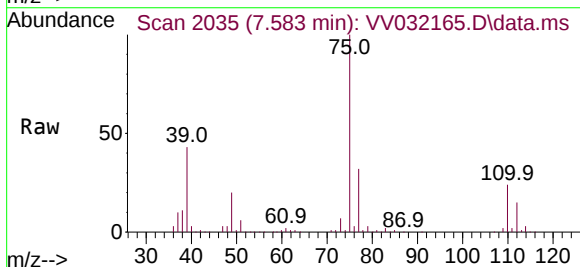
Acq: 22 Sep 2023 16:47

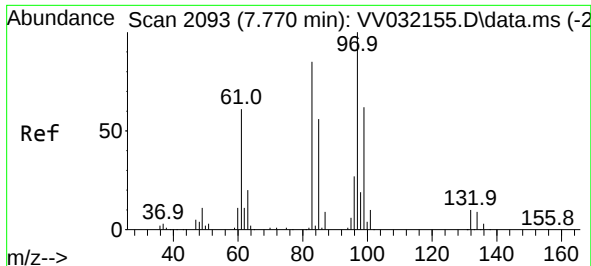
Tgt Ion: 75 Resp: 158007

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 51.283 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 106702

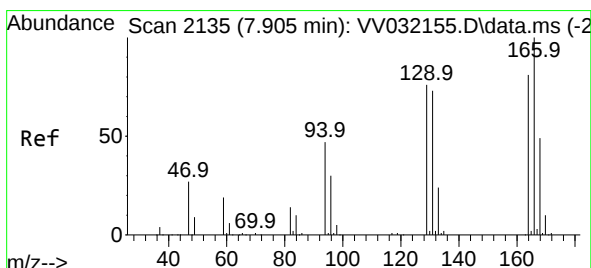
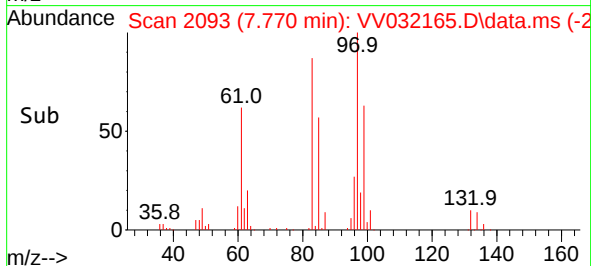
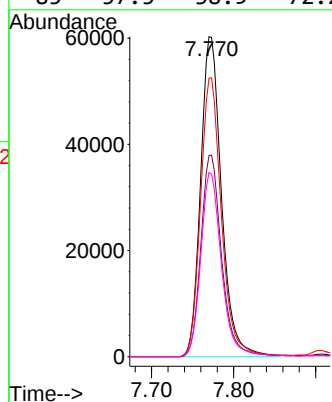
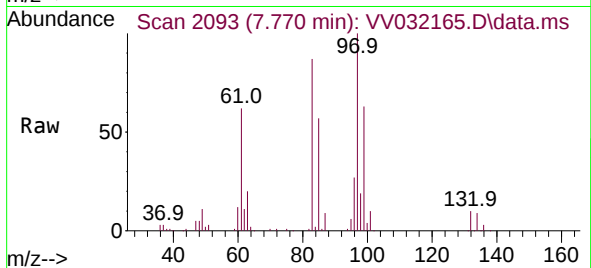
Ion Ratio Lower Upper

97 100

99 62.8 43.0 79.8

83 87.0 61.2 113.6

85 57.5 38.9 72.2



#46

Tetrachloroethene

Concen: 46.645 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Tgt Ion: 164 Resp: 65083

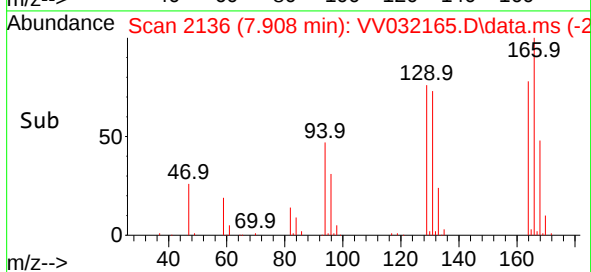
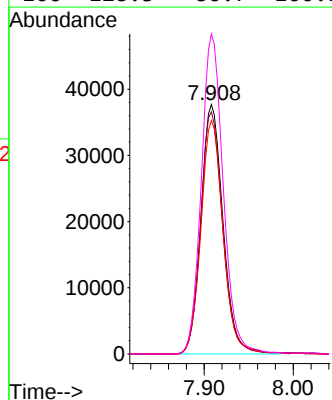
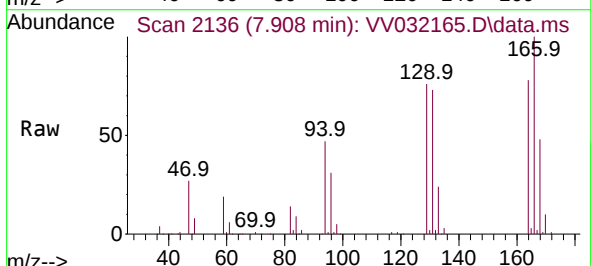
Ion Ratio Lower Upper

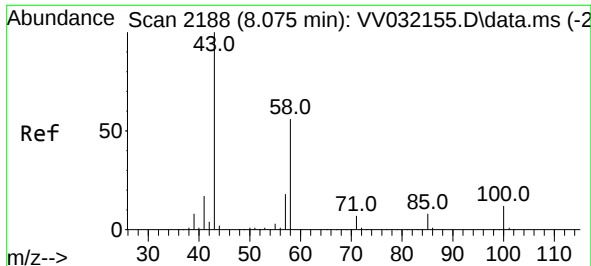
164 100

129 97.0 68.3 126.9

131 93.6 64.9 120.5

166 128.3 86.7 160.9

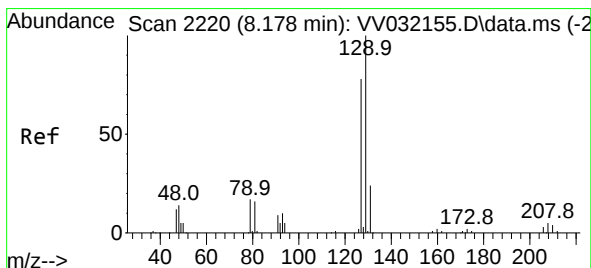
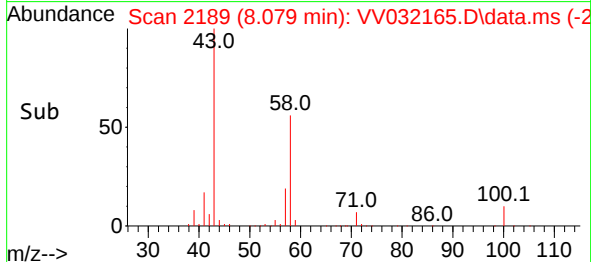
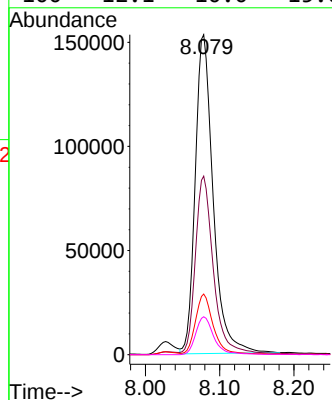
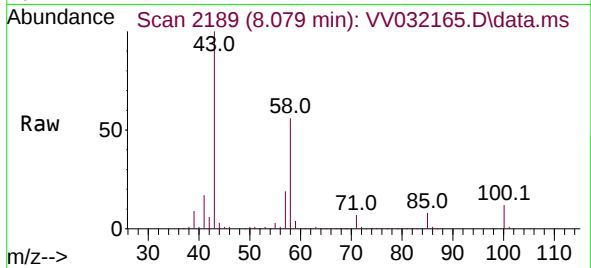




#48
2-Hexanone
Concen: 103.562 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

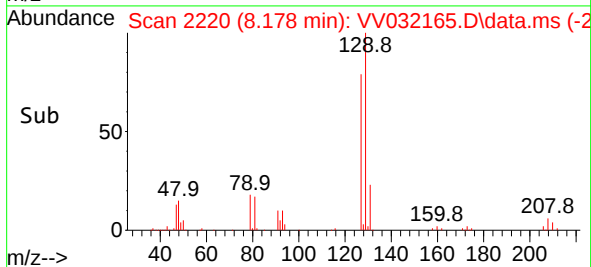
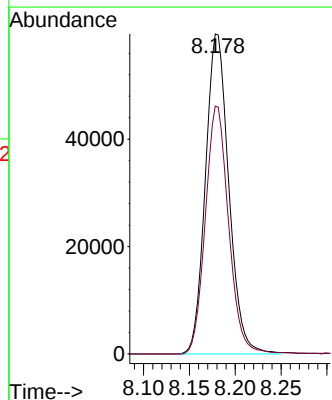
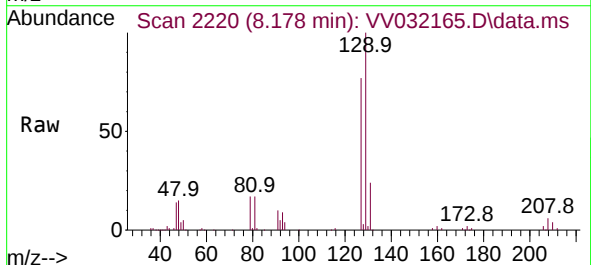
Instrument :
MSVOA_V
ClientSampleId :

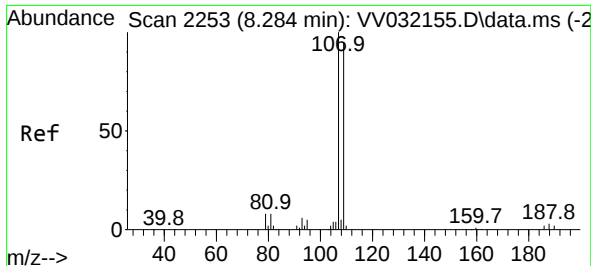
Tgt Ion:	43	Resp:	258518
Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.0	66.0
57	18.4	15.9	23.9
100	12.1	10.0	15.0



#49
Dibromochloromethane
Concen: 49.500 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion:	129	Resp:	105834
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.7	101.7

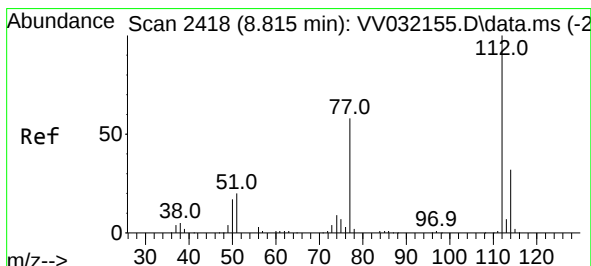
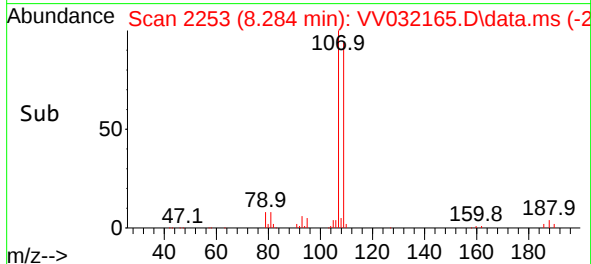
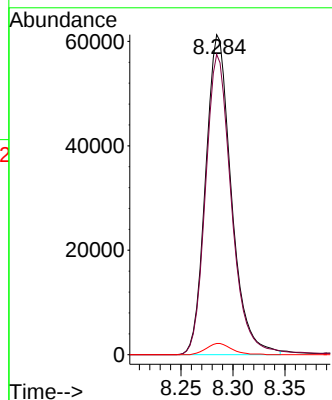
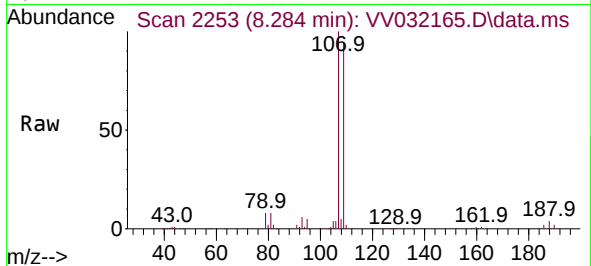




#50
1,2-Dibromoethane
Concen: 48.496 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

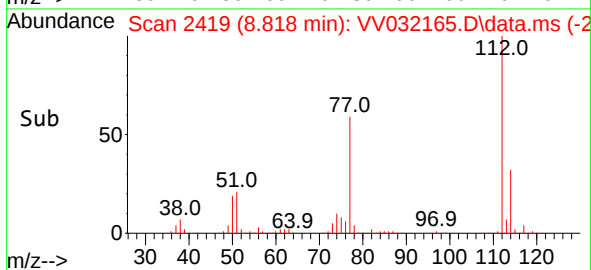
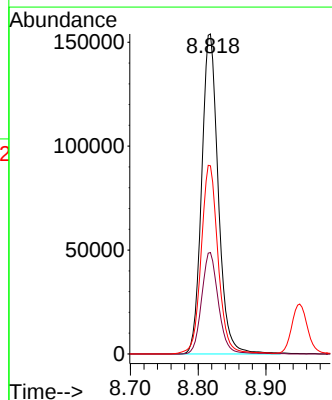
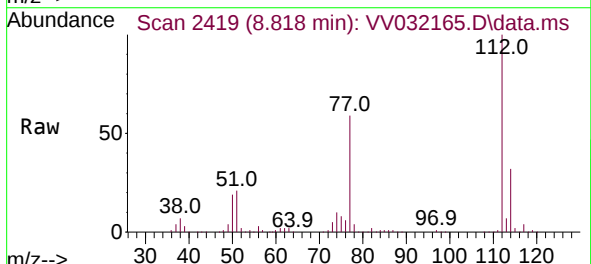
Instrument :
MSVOA_V
ClientSampleId :

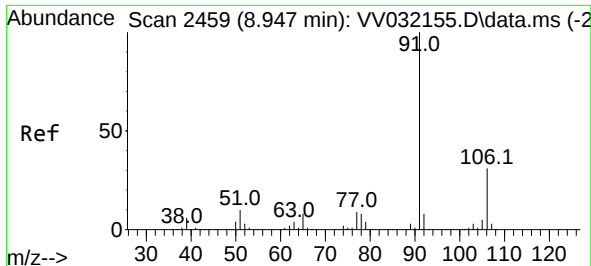
Tgt Ion:107 Resp: 105684
Ion Ratio Lower Upper
107 100
109 93.8 65.4 121.4
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 49.294 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion:112 Resp: 261790
Ion Ratio Lower Upper
112 100
114 31.7 22.0 40.8
77 58.8 49.4 74.0





#52

Ethylbenzene

Concen: 46.814 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

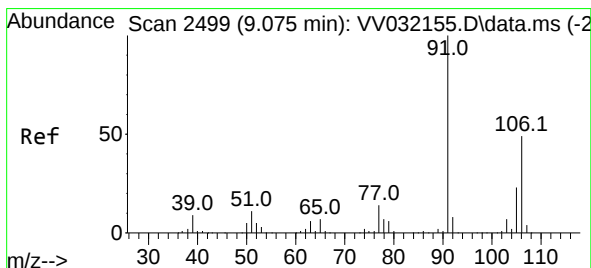
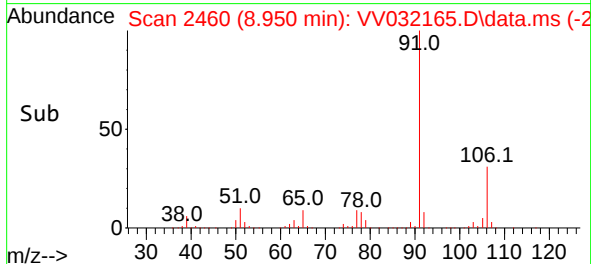
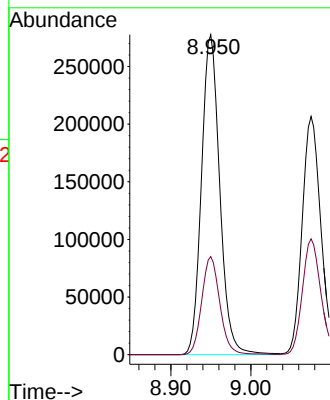
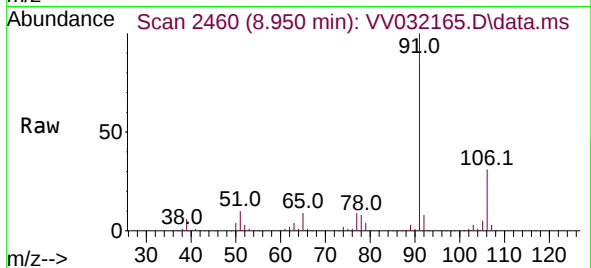
ClientSampleId :

Tgt Ion: 91 Resp: 443214

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-Xylene

Concen: 46.303 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032165.D

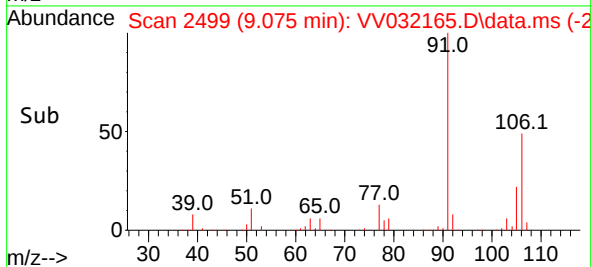
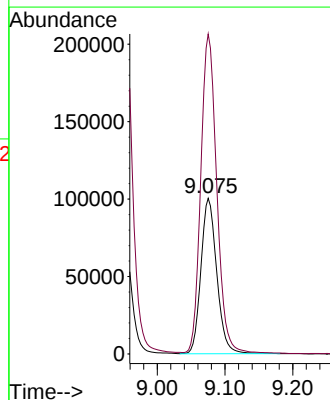
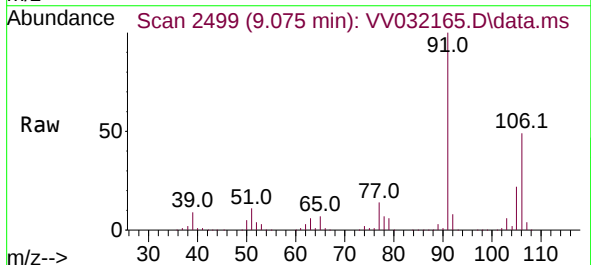
Acq: 22 Sep 2023 16:47

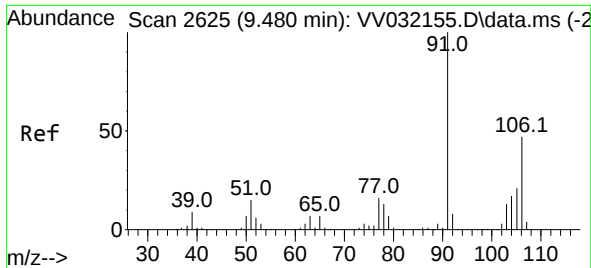
Tgt Ion: 106 Resp: 162767

Ion Ratio Lower Upper

106 100

91 205.5 147.0 273.0

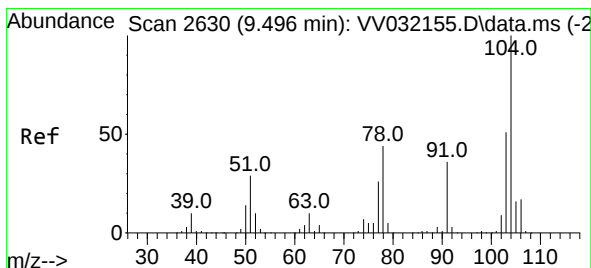
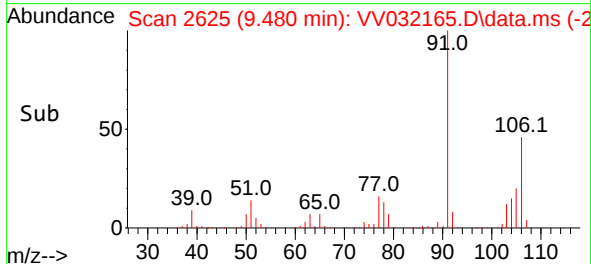
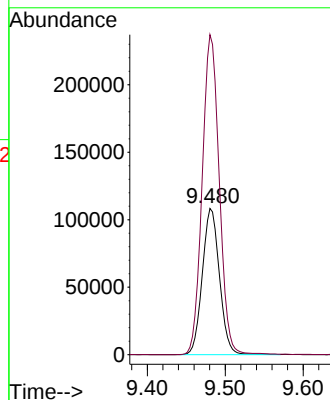
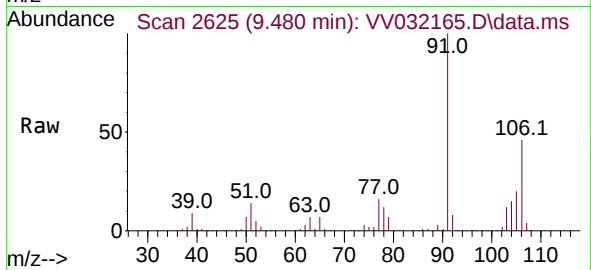




#54
o-Xylene
Concen: 47.382 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

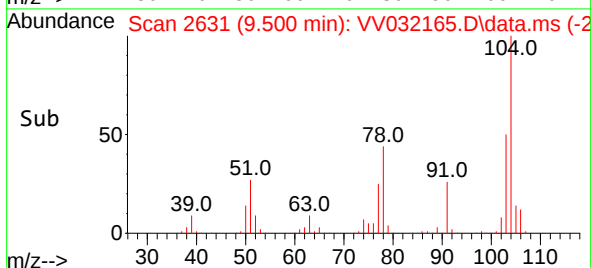
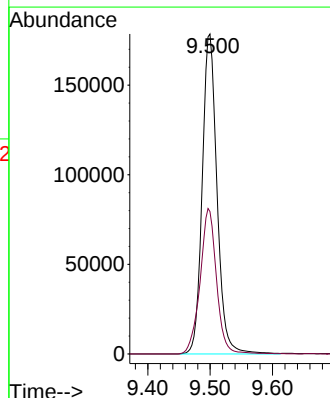
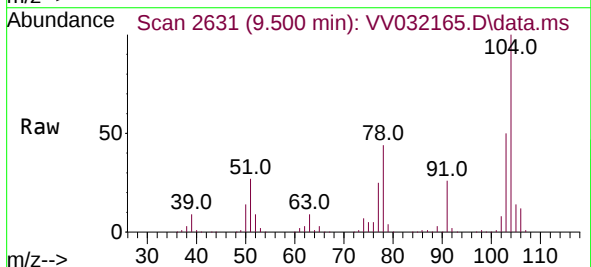
Instrument :
MSVOA_V
ClientSampleId :

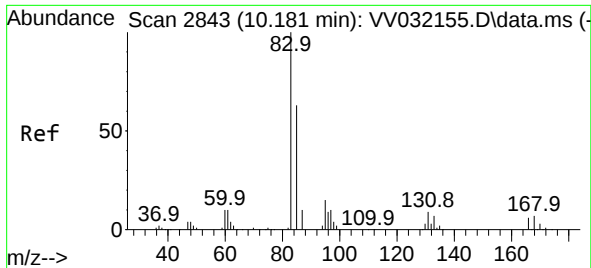
Tgt Ion:106 Resp: 165656
Ion Ratio Lower Upper
106 100
91 218.8 154.3 286.5



#55
Styrene
Concen: 47.714 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion:104 Resp: 294898
Ion Ratio Lower Upper
104 100
78 44.5 32.3 59.9

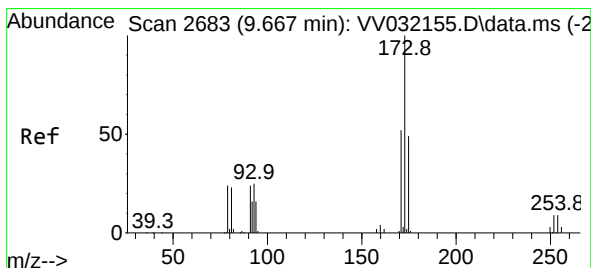
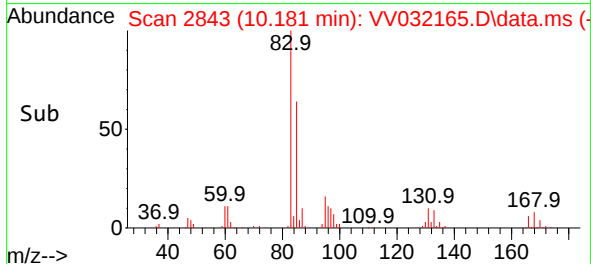
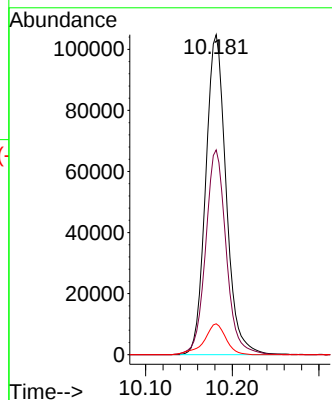
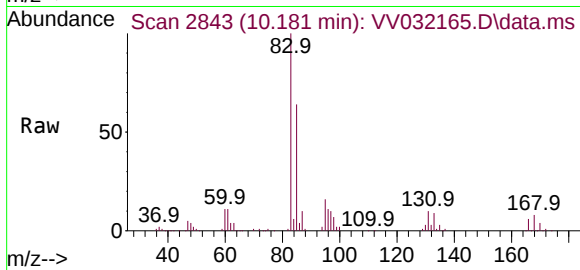




#57
 1,1,2,2-Tetrachloroethane
 Concen: 58.203 ug/L
 RT: 10.181 min Scan# 2843
 Delta R.T. 0.000 min
 Lab File: VV032165.D
 Acq: 22 Sep 2023 16:47

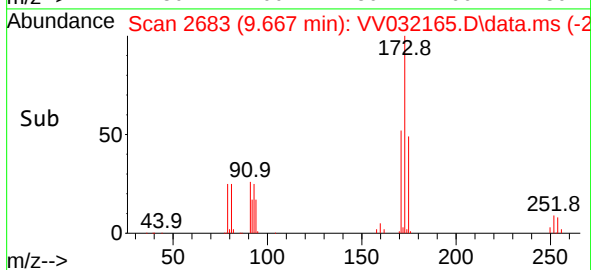
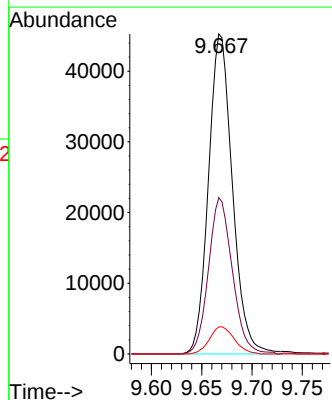
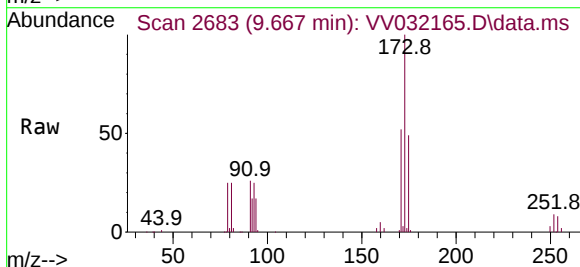
Instrument :
 MSVOA_V
 ClientSampleId :

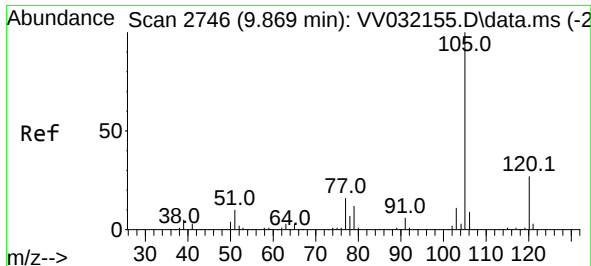
Tgt Ion: 83 Resp: 171430
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.1 83.9
 131 9.6 7.4 11.2



#59
 Bromoform
 Concen: 49.404 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: VV032165.D
 Acq: 22 Sep 2023 16:47

Tgt Ion: 173 Resp: 74886
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.3 57.5
 254 8.8 6.9 10.3

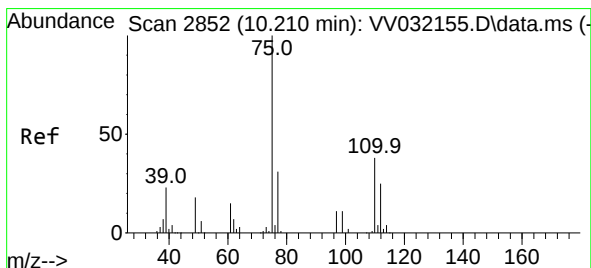
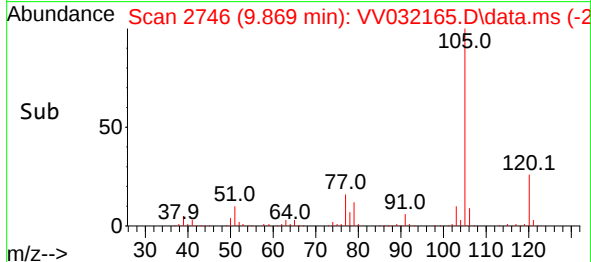
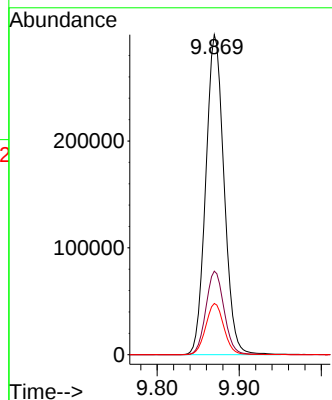
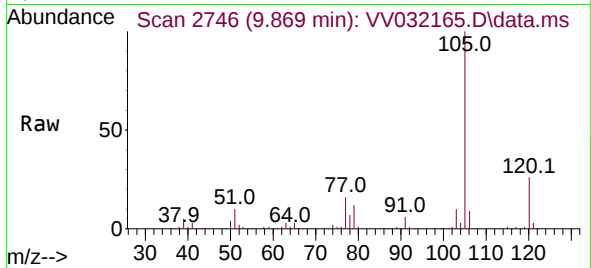




#60
Isopropylbenzene
Concen: 47.307 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

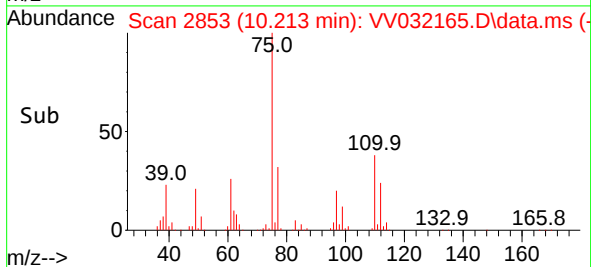
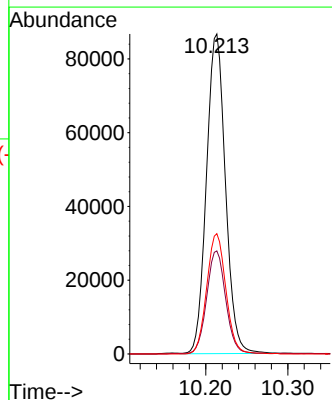
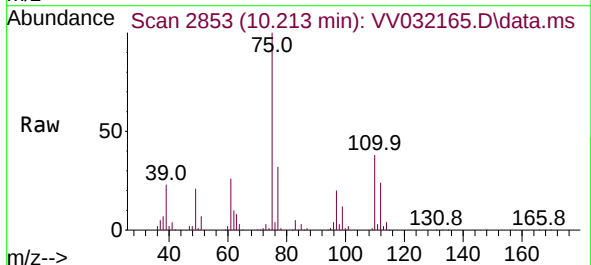
Instrument :
MSVOA_V
ClientSampleId :

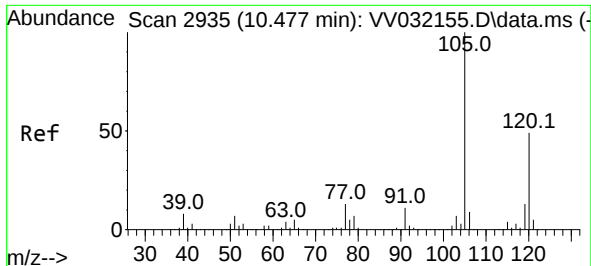
Tgt Ion:105 Resp: 463159
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.0 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 50.658 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

Tgt Ion: 75 Resp: 139898
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
110 37.8 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.798 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

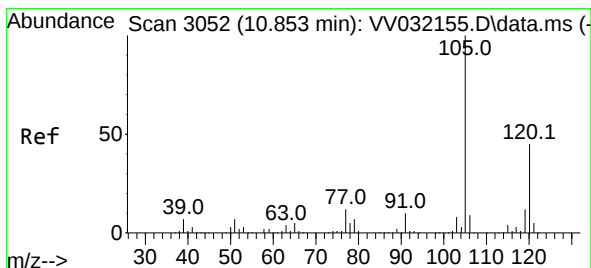
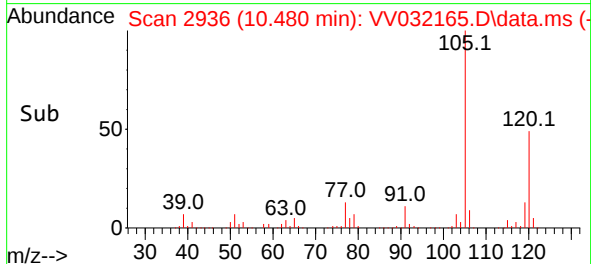
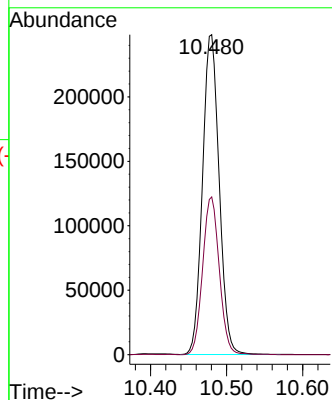
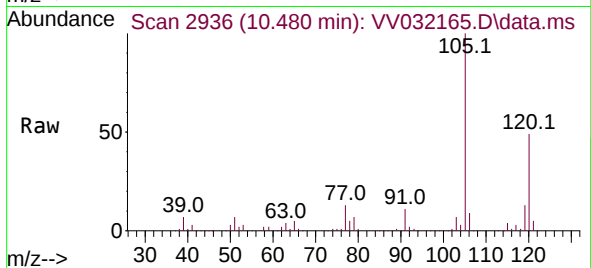
ClientSampleId :

Tgt Ion:105 Resp: 377227

Ion Ratio Lower Upper

105 100

120 49.3 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 46.279 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032165.D

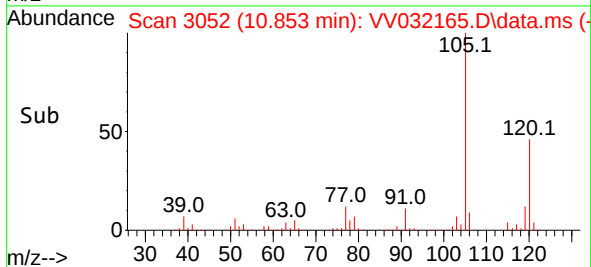
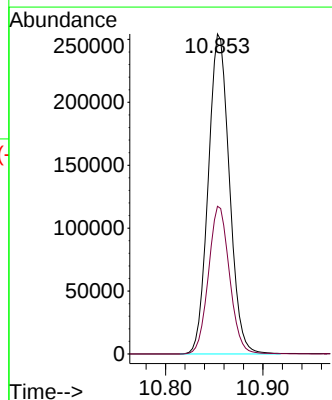
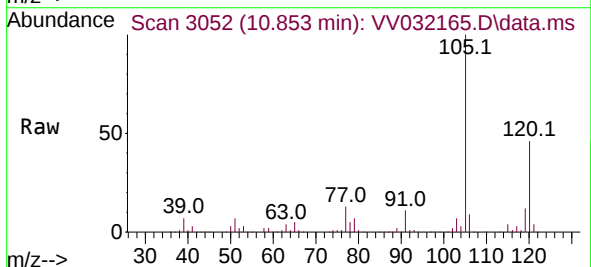
Acq: 22 Sep 2023 16:47

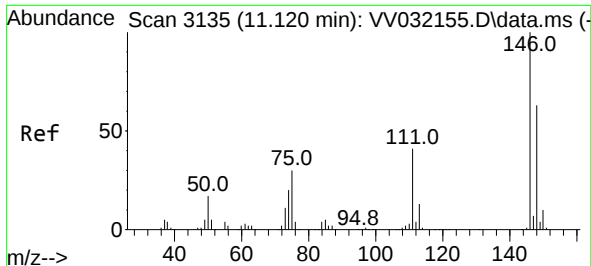
Tgt Ion:105 Resp: 383463

Ion Ratio Lower Upper

105 100

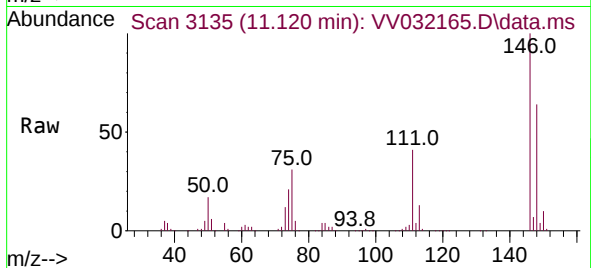
120 46.0 35.9 53.9



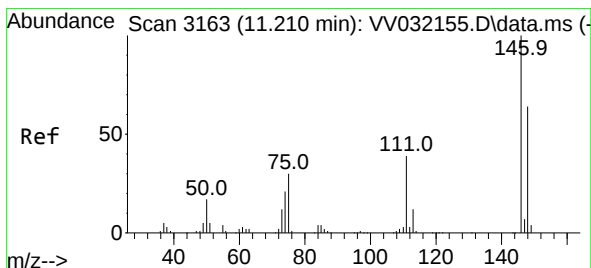
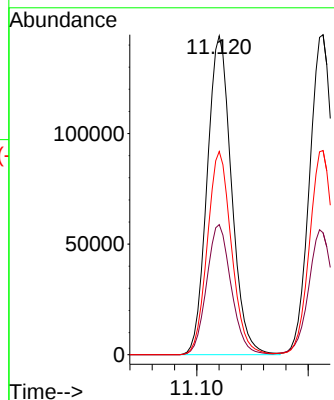
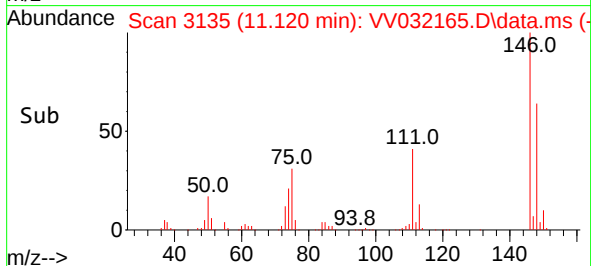


#64
1,3-Dichlorobenzene
Concen: 49.959 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47

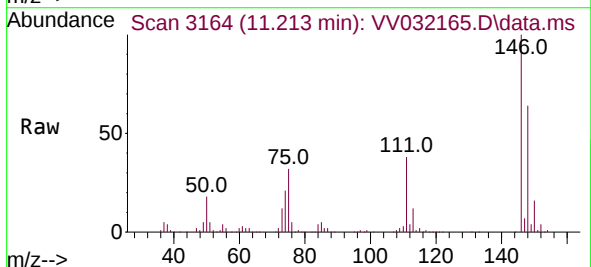
Instrument :
MSVOA_V
ClientSampleId :



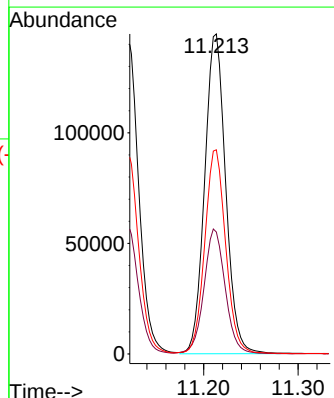
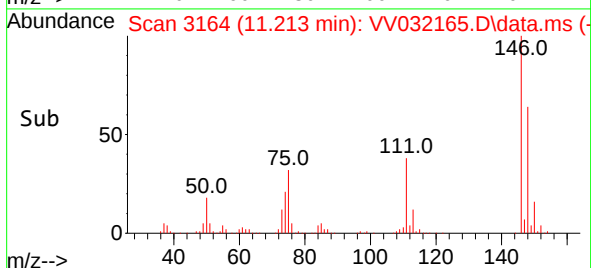
Tgt Ion:146 Resp: 219208
Ion Ratio Lower Upper
146 100
111 40.8 30.2 56.0
148 63.7 44.1 81.9

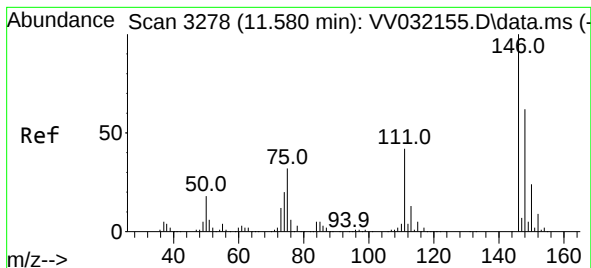


#65
1,4-Dichlorobenzene
Concen: 50.069 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032165.D
Acq: 22 Sep 2023 16:47



Tgt Ion:146 Resp: 223392
Ion Ratio Lower Upper
146 100
111 38.1 28.5 52.9
148 63.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 50.882 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

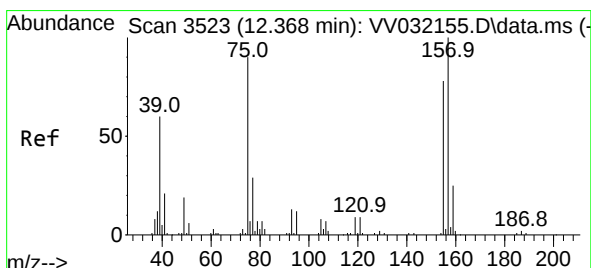
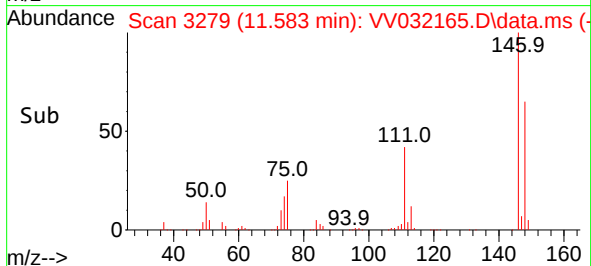
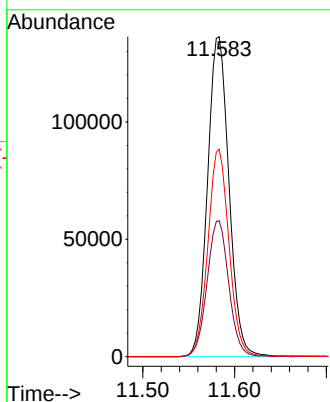
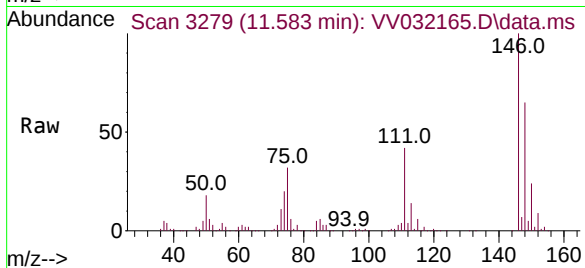
Tgt Ion:146 Resp: 221229

Ion Ratio Lower Upper

146 100

111 42.5 35.8 53.6

148 64.8 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 45.673 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

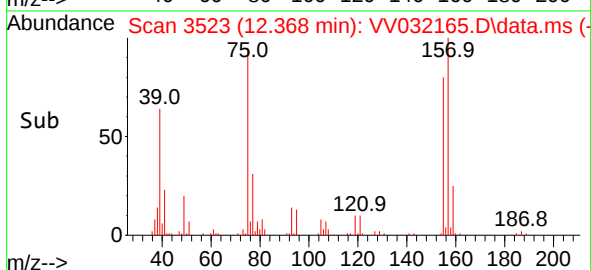
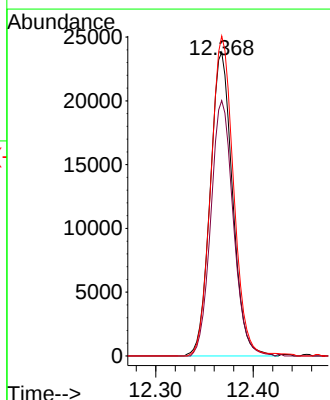
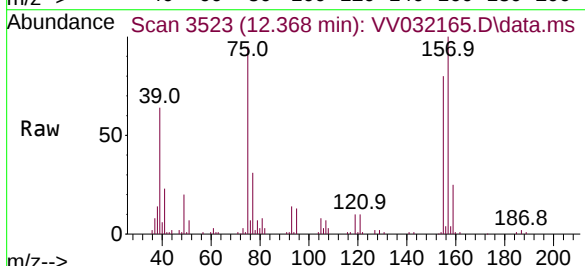
Tgt Ion: 75 Resp: 37887

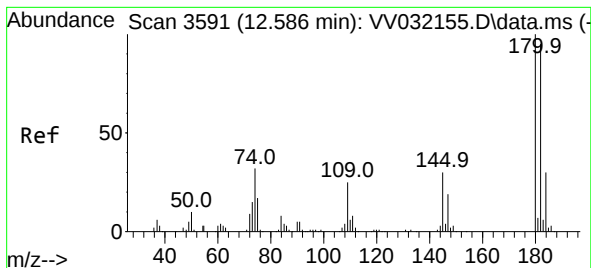
Ion Ratio Lower Upper

75 100

155 84.1 60.1 90.1

157 105.4 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 50.406 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.000 min

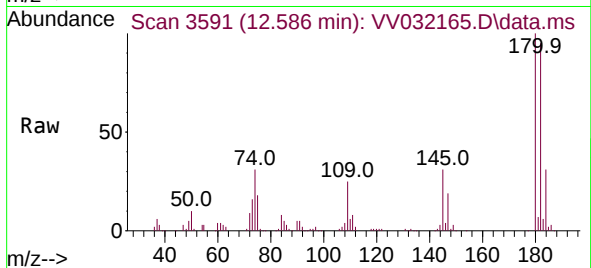
Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 161232

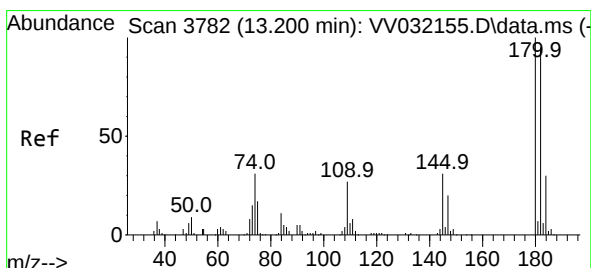
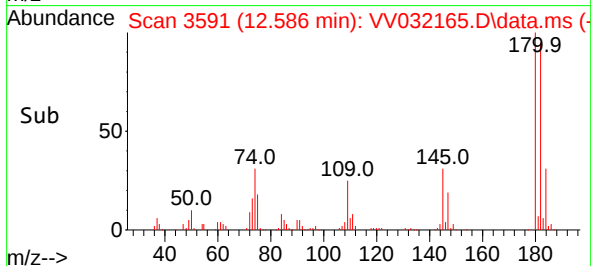
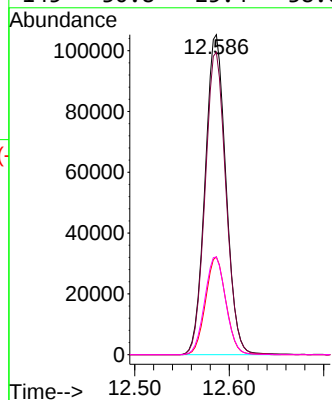
Ion Ratio Lower Upper

180 100

182 94.6 75.4 113.2

184 29.8 23.7 35.5

145 30.8 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 50.432 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

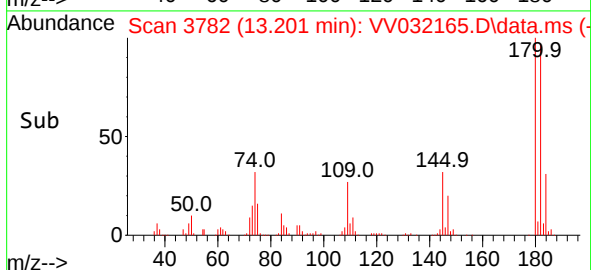
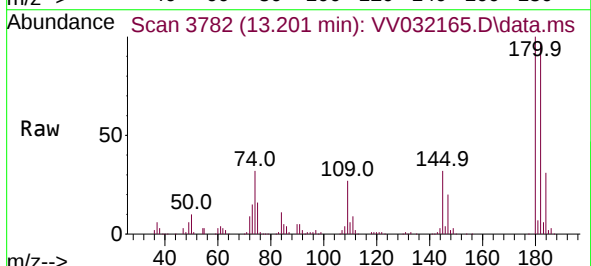
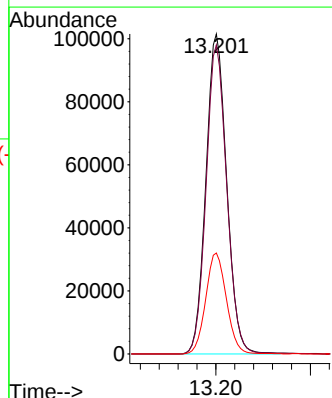
Tgt Ion:180 Resp: 154844

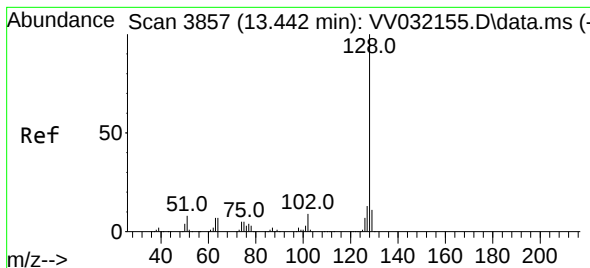
Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.2

145 31.5 26.0 39.0





#71

Naphthalene

Concen: 49.104 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

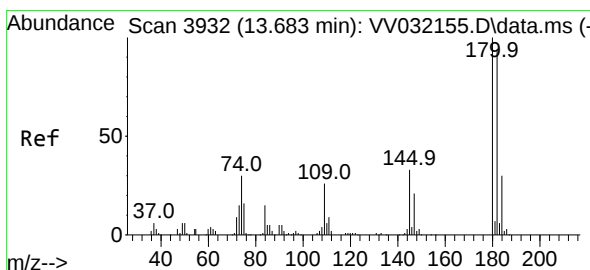
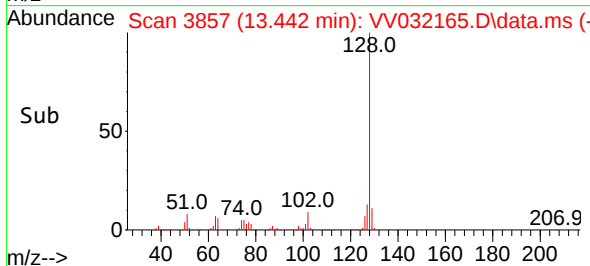
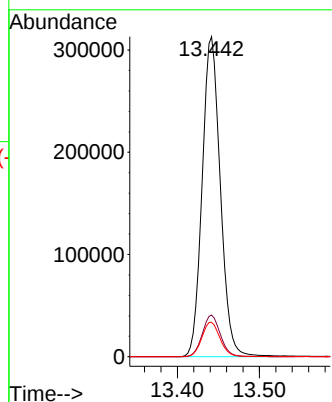
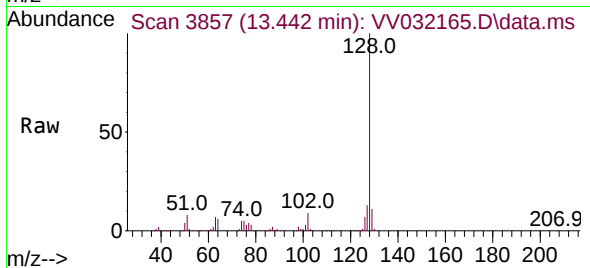
Tgt Ion:128 Resp: 481687

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 52.402 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032165.D

Acq: 22 Sep 2023 16:47

Tgt Ion:180 Resp: 154172

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 33.0 27.7 41.5

