

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051022\
 Data File : VW022962.D
 Acq On : 10 May 2022 17:49
 Operator : SY/VA
 Sample : N2766-02MS
 Misc : 7.17g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW4F3MS

Quant Time: May 11 01:23:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 11 01:19:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	302033	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	215198	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	53140	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	119882	19.346	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.400%
7) Chloroethane-d5	2.886	69	97850	24.272	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.080%
11) 1,1-Dichloroethene-d2	4.019	63	154918	19.348	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.400%
21) 2-Butanone-d5	7.074	46	67277	57.102	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.200%
24) Chloroform-d	7.647	84	216319	24.446	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	8.305	65	116557	24.016	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.080%
32) Benzene-d6	8.275	84	378372	30.504	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.000%
36) 1,2-Dichloropropane-d6	9.268	67	118528	34.018	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	136.080%#
41) Toluene-d8	10.323	98	307458	25.660	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.640%
43) trans-1,3-Dichloroprop...	10.579	79	37268	23.230	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.920%
47) 2-Hexanone-d5	10.921	63	52620	79.111	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	158.220%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	109157	33.612	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	134.440%#
66) 1,2-Dichlorobenzene-d4	13.853	152	54645	29.417	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	117.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	32013	19.443	ug/L	96
3) Chloromethane	2.215	50	73705	23.166	ug/L	100
5) Vinyl chloride	2.361	62	139125	21.788	ug/L	97
6) Bromomethane	2.776	94	84730	20.667	ug/L	89
8) Chloroethane	2.916	64	75275	24.442	ug/L	95
9) Trichlorofluoromethane	3.257	101	60315	20.667	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	88827	20.355	ug/L	96
12) 1,1-Dichloroethene	4.038	96	77184	19.952	ug/L	94
13) Acetone	4.123	43	52061	59.020	ug/L	97
14) Carbon disulfide	4.385	76	174701	16.473	ug/L	98
15) Methyl Acetate	4.672	43	41499	23.418	ug/L	96
16) Methylene chloride	4.916	84	101481	22.962	ug/L	98
17) trans-1,2-Dichloroethene	5.428	96	85977	19.750	ug/L	98
18) Methyl tert-butyl Ether	5.428	73	175202	26.364	ug/L	100
19) 1,1-Dichloroethane	6.214	63	169167	22.928	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	101726	21.756	ug/L #	98
22) 2-Butanone	7.171	43	63626	51.578	ug/L	99
23) Bromochloromethane	7.513	128	48614	22.201	ug/L	98
25) Chloroform	7.677	83	189706	23.253	ug/L	100

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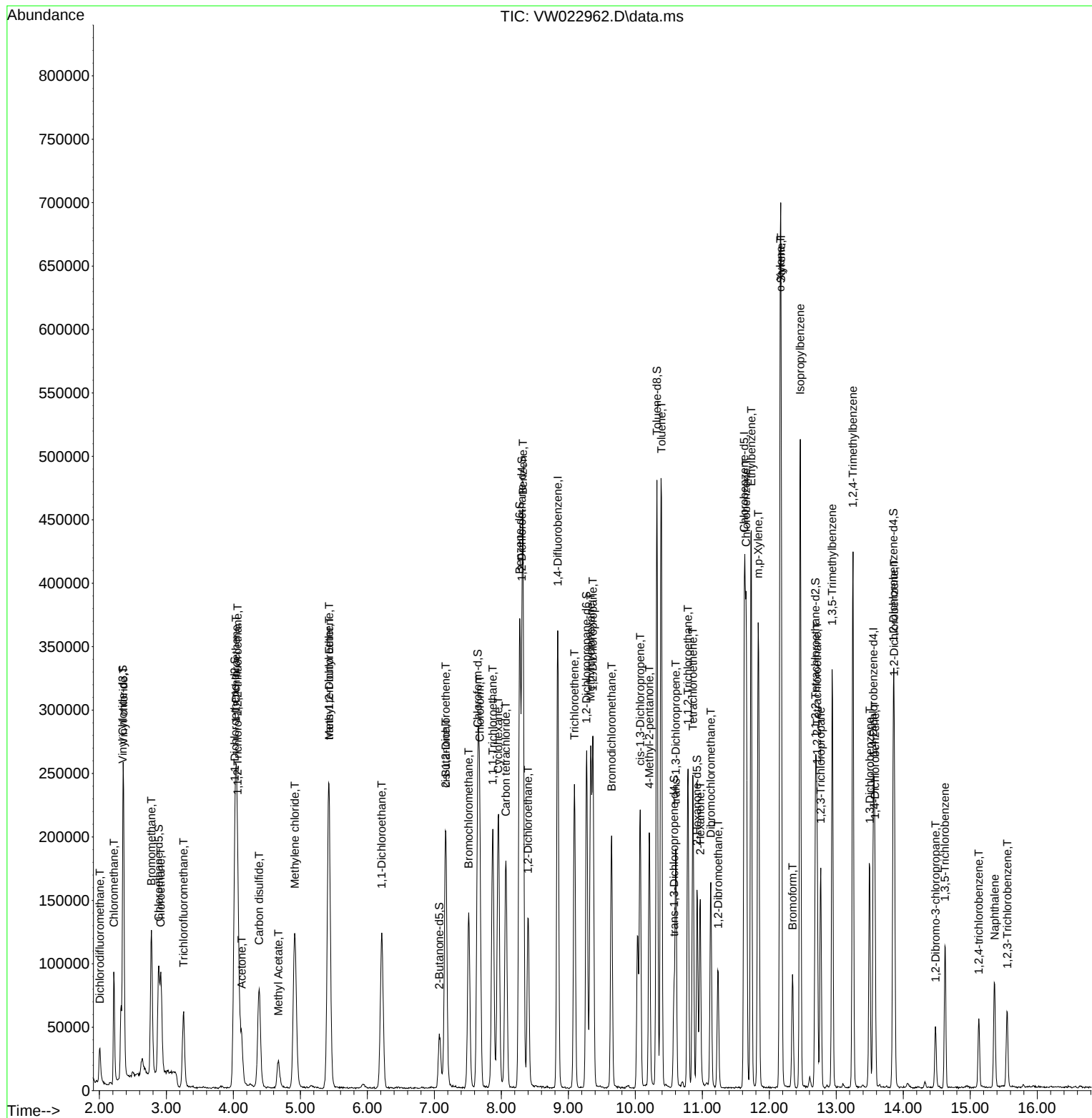
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	121447	22.332	ug/L	100
29) Cyclohexane	7.952	56	113068	24.294	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	161364	31.730	ug/L	100
31) Carbon tetrachloride	8.068	117	130781	27.491	ug/L	98
33) Benzene	8.324	78	369146	29.118	ug/L	100
34) Trichloroethene	9.092	95	82561	23.681	ug/L	99
35) Methylcyclohexane	9.336	83	108204	18.892	ug/L	98
37) 1,2-Dichloropropane	9.366	63	95066	30.987	ug/L	100
38) Bromodichloromethane	9.646	83	127099	29.168	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	124858	26.247	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	124514	64.392	ug/L	100
42) Toluene	10.390	91	358991	25.268	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	97825	23.040	ug/L	99
45) 1,1,2-Trichloroethane	10.787	97	76415	29.796	ug/L	98
46) Tetrachloroethene	10.860	164	47192	18.012	ug/L	98
48) 2-Hexanone	10.969	43	90643	70.157	ug/L	98
49) Dibromochloromethane	11.128	129	79733	25.831	ug/L	99
50) 1,2-Dibromoethane	11.238	107	60984	23.681	ug/L	91
51) Chlorobenzene	11.652	112	190046	20.290	ug/L	94
52) Ethylbenzene	11.731	91	310966	19.674	ug/L	99
53) m,p-Xylene	11.835	106	119868	19.247	ug/L	93
54) o-Xylene	12.164	106	144417	24.164	ug/L	95
55) Styrene	12.177	104	179728	17.698	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.713	83	92525	28.884	ug/L	99
59) Bromoform	12.347	173	36964	49.083	ug/L	99
60) Isopropylbenzene	12.463	105	328656	45.145	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	64845	61.071	ug/L	100
62) 1,3,5-Trimethylbenzene	12.939	105	171204	42.271	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	218599	35.946	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	69780	21.469	ug/L	94
65) 1,4-Dichlorobenzene	13.579	146	64385	19.178	ug/L	99
67) 1,2-Dichlorobenzene	13.865	146	78595	26.425	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	11757	50.665	ug/L	86
69) 1,3,5-Trichlorobenzene	14.621	180	32135	14.895	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	13533	7.798	ug/L #	89
71) Naphthalene	15.365	128	73392	19.456	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	17709	11.513	ug/L	96

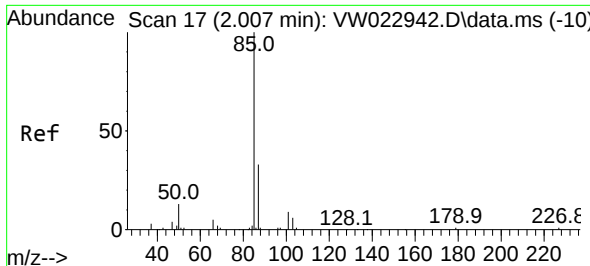
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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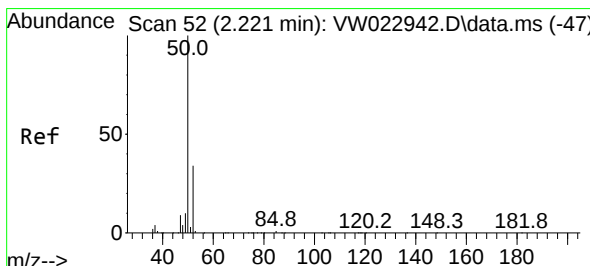
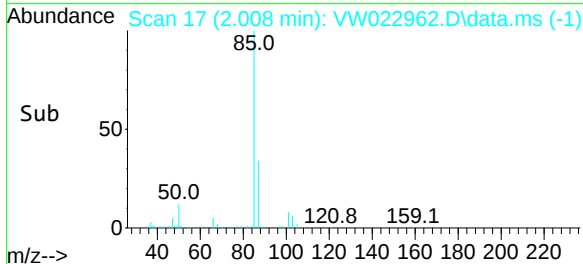
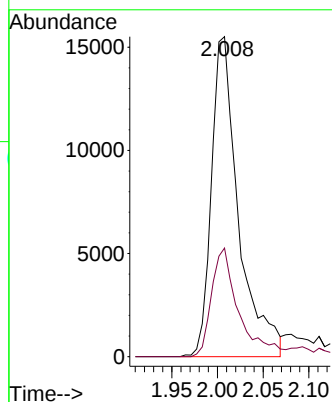
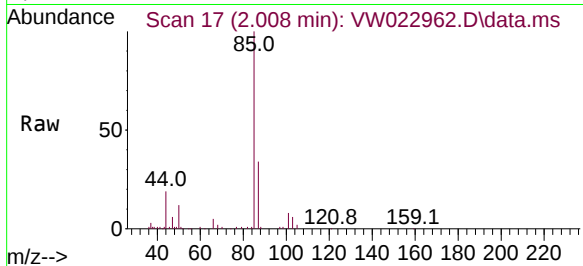




#2
Dichlorodifluoromethane
Concen: 19.443 ug/L
RT: 2.008 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

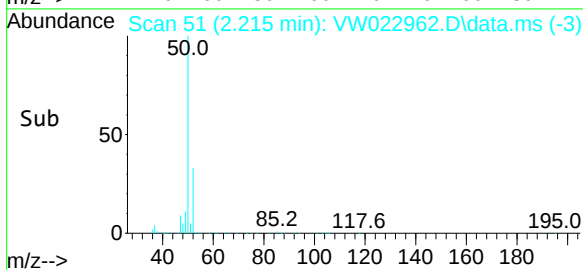
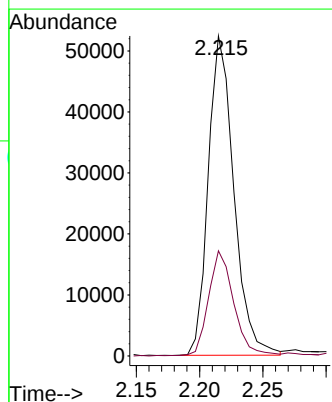
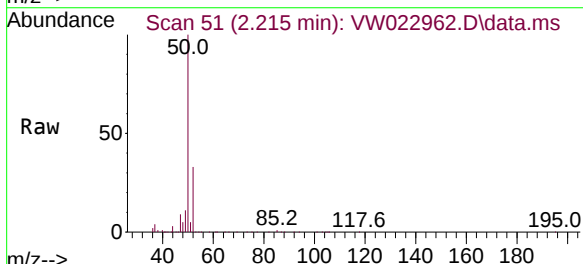
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MSVOA_W
ClientSampleId :
EW4F3MS

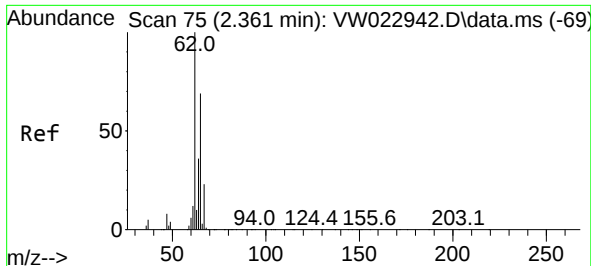
Tgt Ion: 85 Resp: 32013
Ion Ratio Lower Upper
85 100
87 32.7 27.8 41.8



#3
Chloromethane
Concen: 23.166 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 50 Resp: 73705
Ion Ratio Lower Upper
50 100
52 32.9 23.1 42.9

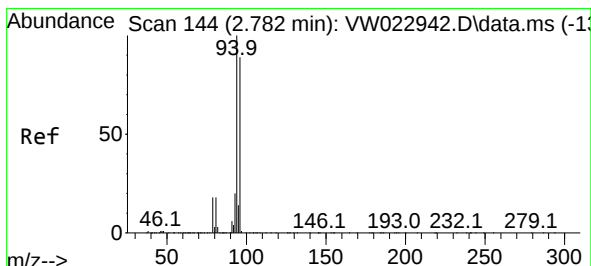
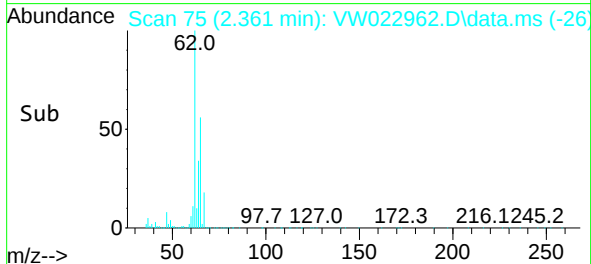
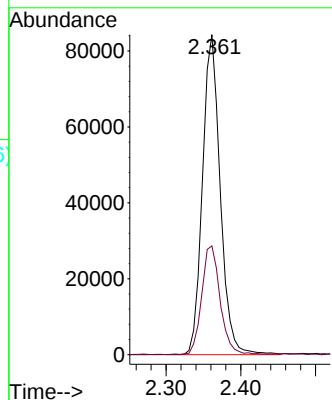
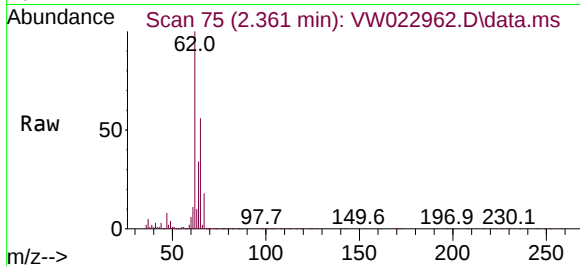




#5
 Vinyl chloride
 Concen: 21.788 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW022962.D
 Acq: 10 May 2022 17:49

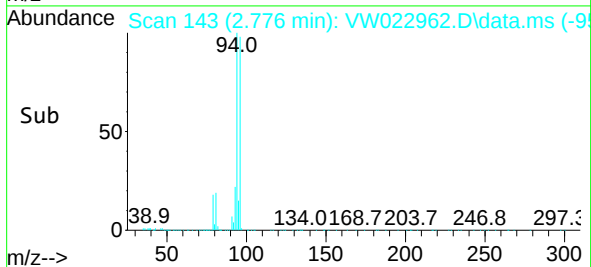
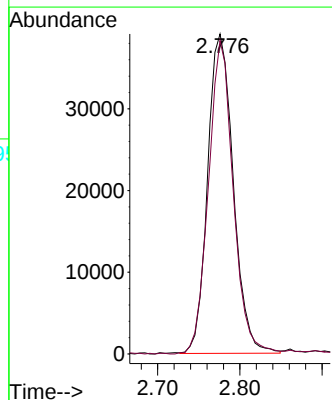
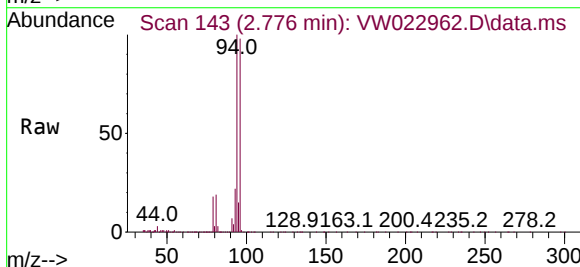
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 ClientSampleId :
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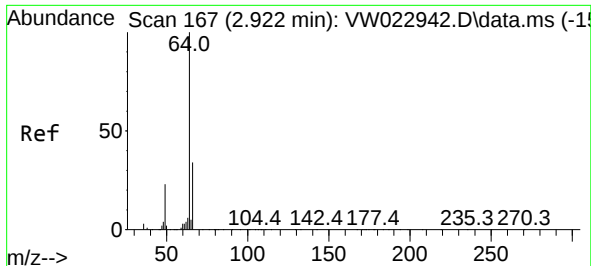
Tgt Ion: 62 Resp: 139125
 Ion Ratio Lower Upper
 62 100
 64 34.0 24.9 46.3



#6
 Bromomethane
 Concen: 20.667 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW022962.D
 Acq: 10 May 2022 17:49

Tgt Ion: 94 Resp: 84730
 Ion Ratio Lower Upper
 94 100
 96 98.0 61.7 114.5

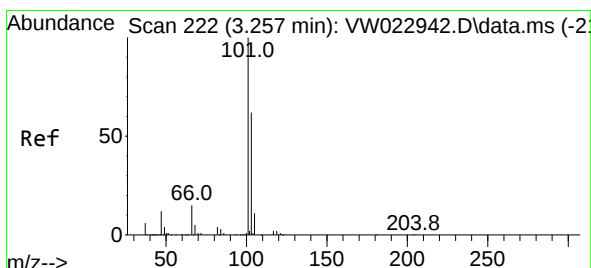
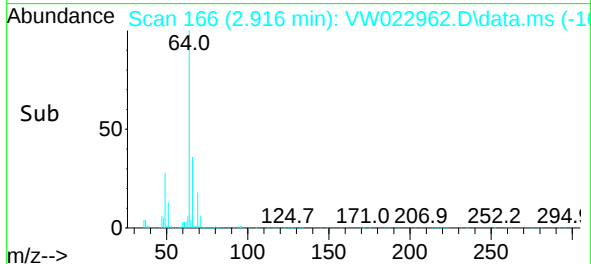
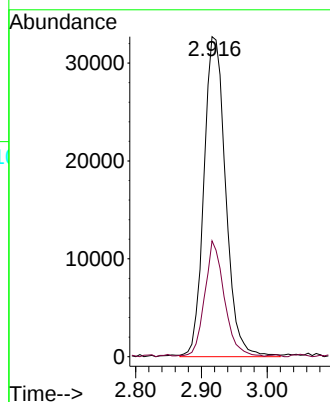
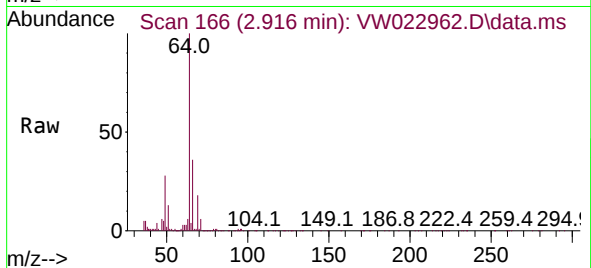




#8
Chloroethane
Concen: 24.442 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

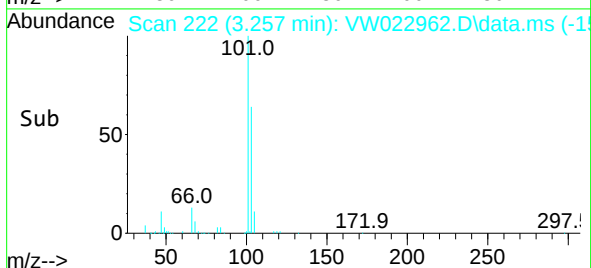
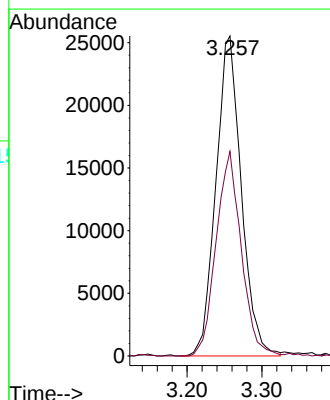
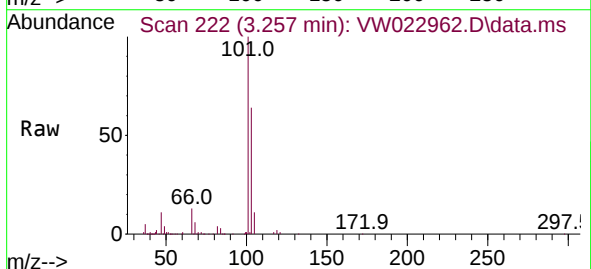
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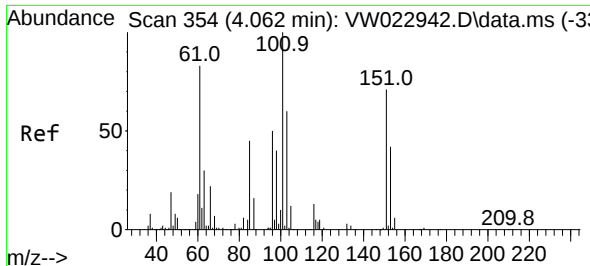
Tgt Ion: 64 Resp: 75275
Ion Ratio Lower Upper
64 100
66 36.2 23.4 43.6



#9
Trichlorofluoromethane
Concen: 20.667 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion:101 Resp: 60315
Ion Ratio Lower Upper
101 100
103 63.3 53.9 80.9

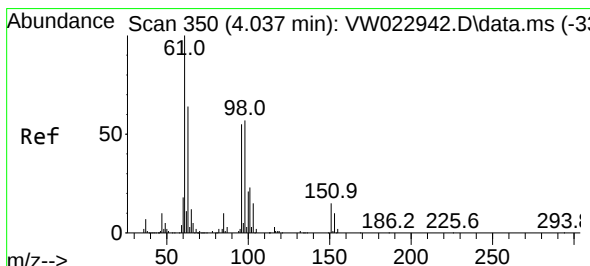
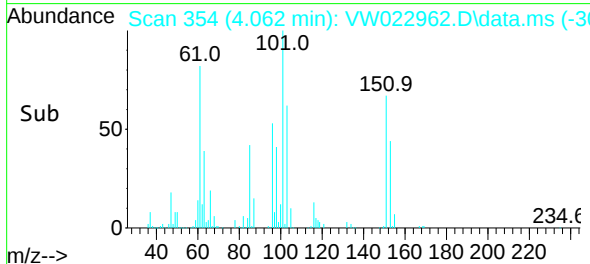
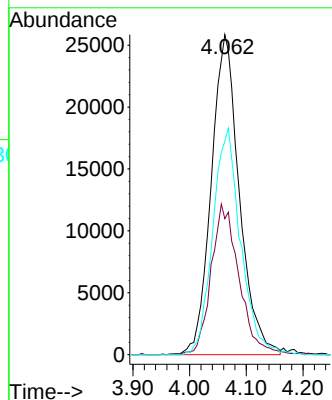
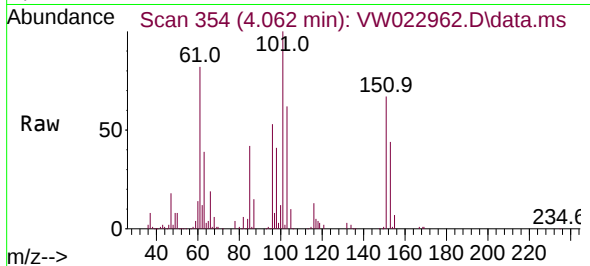




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.355 ug/L
 RT: 4.062 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW022962.D
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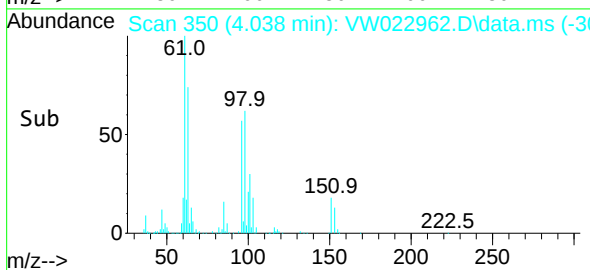
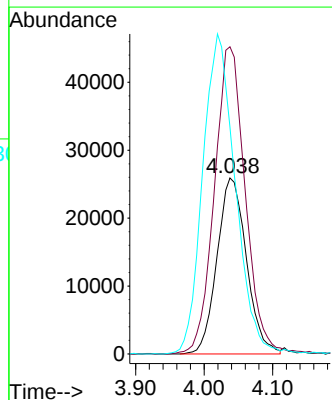
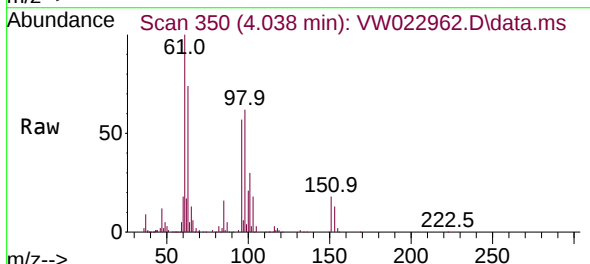
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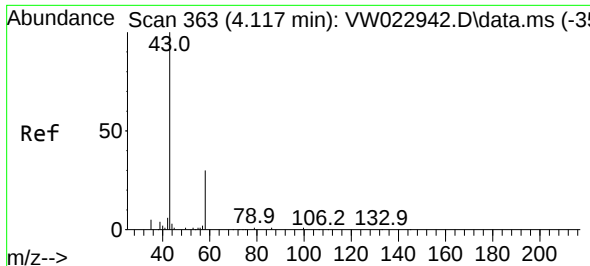
Tgt Ion: 101 Resp: 88827
 Ion Ratio Lower Upper
 101 100
 85 46.7 34.3 51.5
 151 69.6 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 19.952 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
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Tgt Ion: 96 Resp: 77184
 Ion Ratio Lower Upper
 96 100
 61 174.6 125.7 233.5
 63 129.0 83.4 155.0

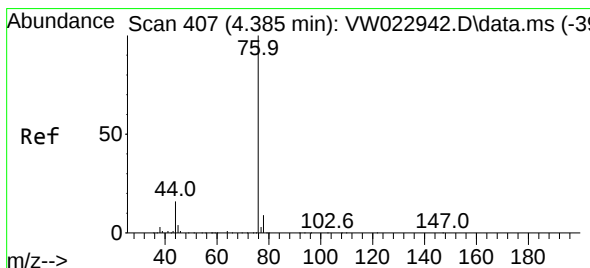
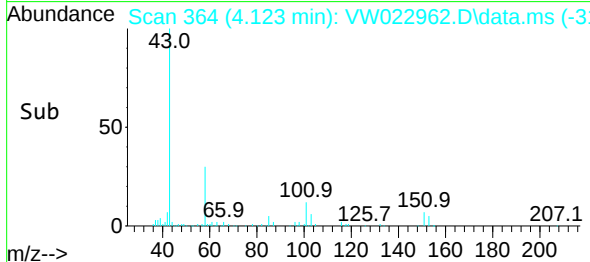
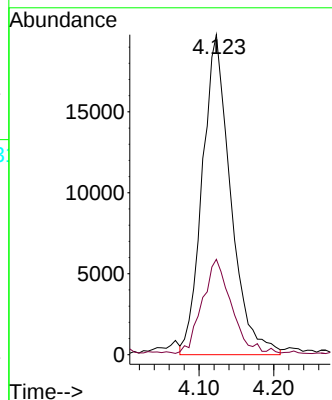
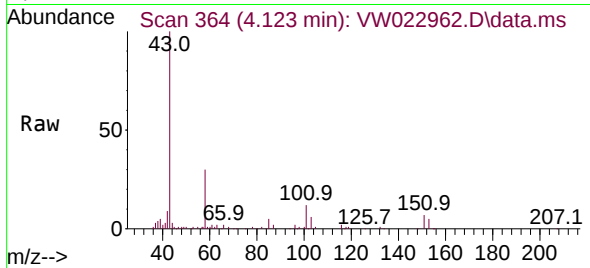




#13
Acetone
Concen: 59.020 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
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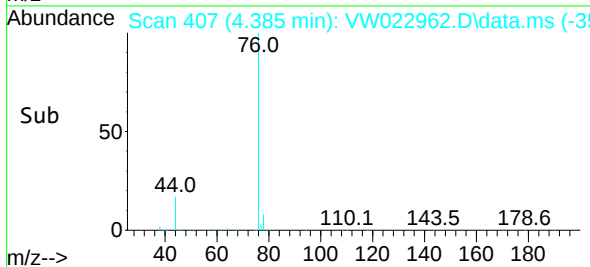
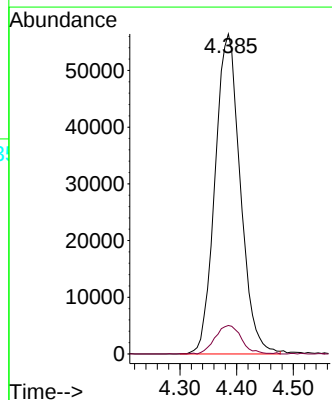
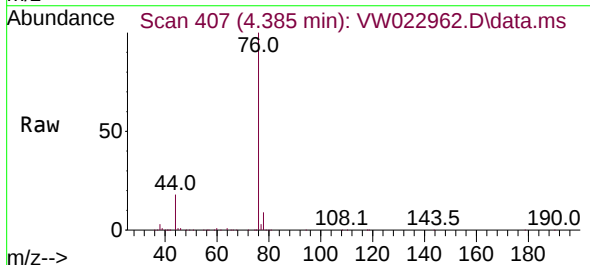
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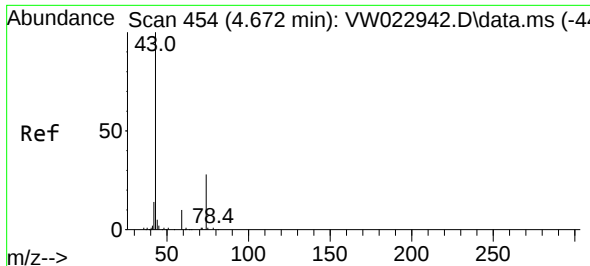
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Ion Ratio Lower Upper
43 100
58 30.2 0.0 64.0



#14
Carbon disulfide
Concen: 16.473 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 174701
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5

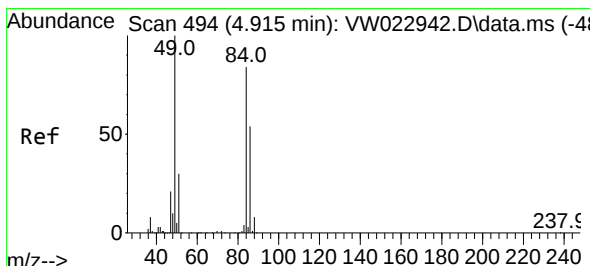
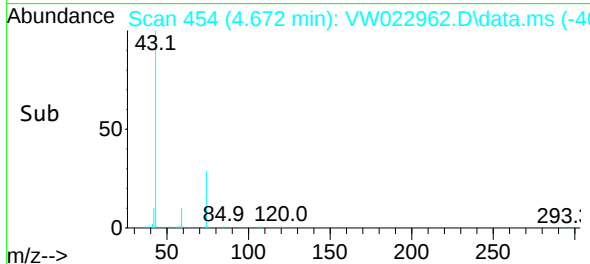
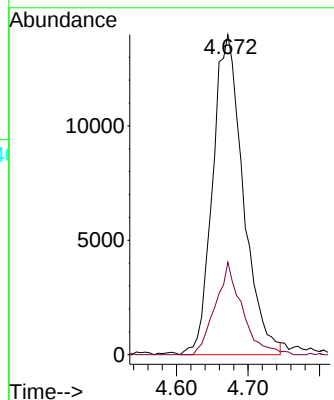
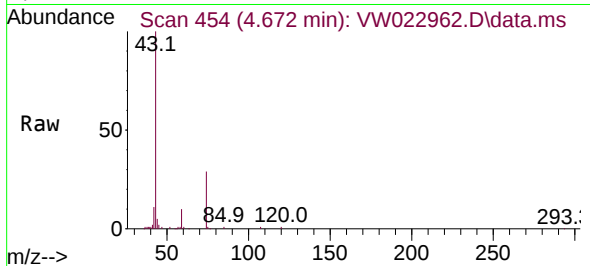




#15
Methyl Acetate
Concen: 23.418 ug/L
RT: 4.672 min Scan# 415
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

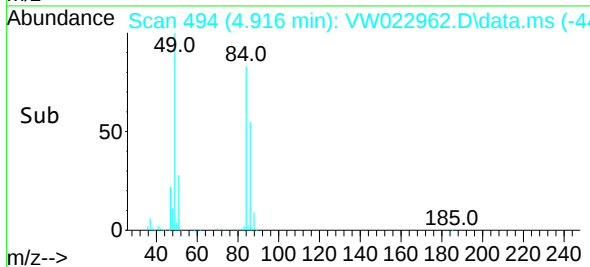
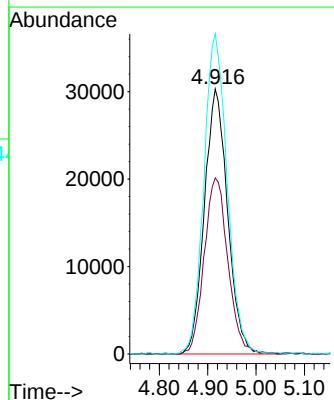
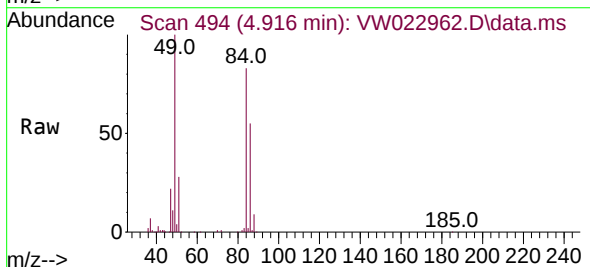
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

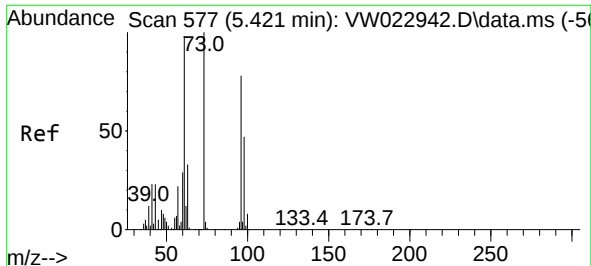
Tgt Ion: 43 Resp: 41499
Ion Ratio Lower Upper
43 100
74 25.2 21.9 32.9



#16
Methylene chloride
Concen: 22.962 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 84 Resp: 101481
Ion Ratio Lower Upper
84 100
86 66.4 45.4 84.4
49 120.7 82.5 153.1

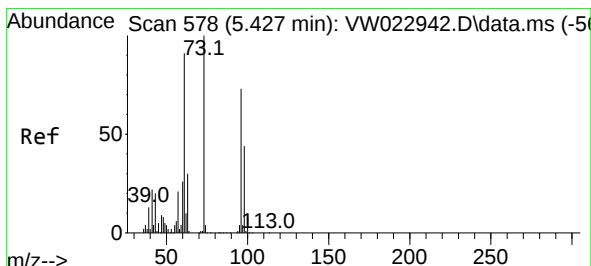
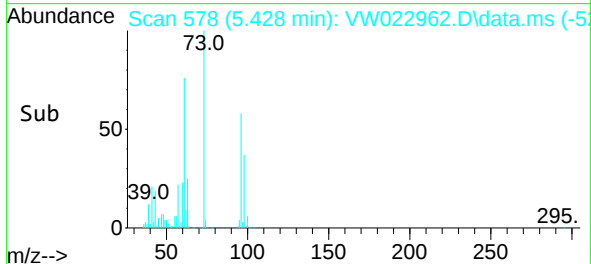
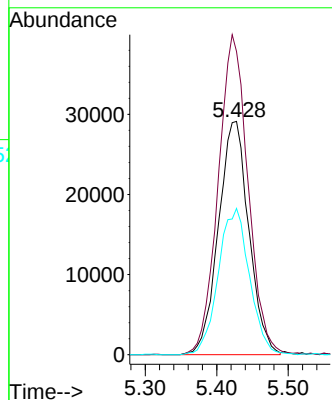
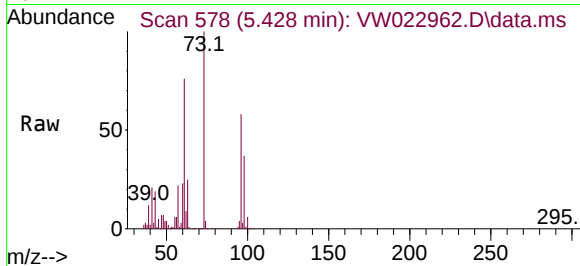




#17
trans-1,2-Dichloroethene
Concen: 19.750 ug/L
RT: 5.428 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

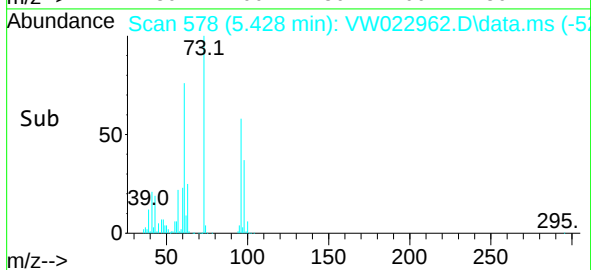
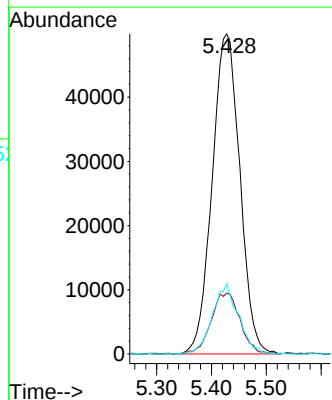
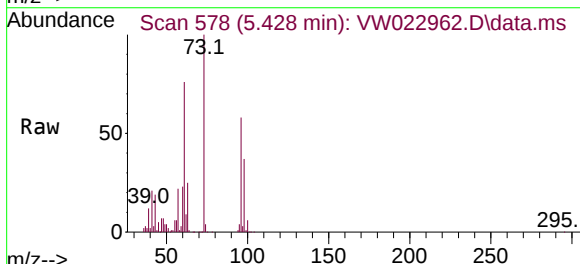
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

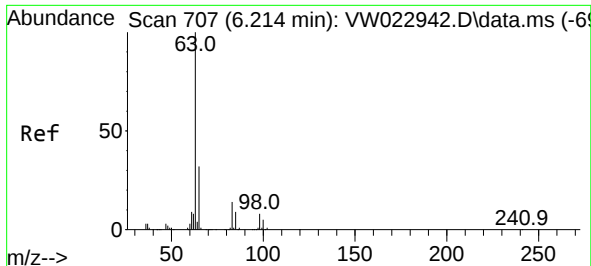
Tgt Ion: 96 Resp: 85977
Ion Ratio Lower Upper
96 100
61 130.0 92.2 171.2
98 62.7 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 26.364 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 73 Resp: 175202
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 20.6 16.5 24.7





#19

1,1-Dichloroethane

Concen: 22.928 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

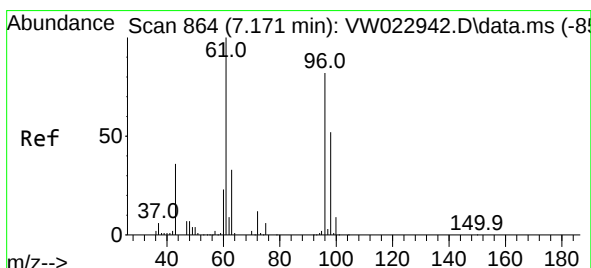
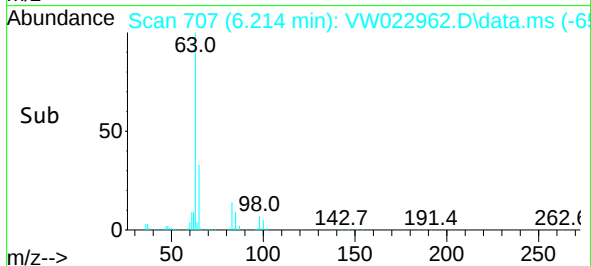
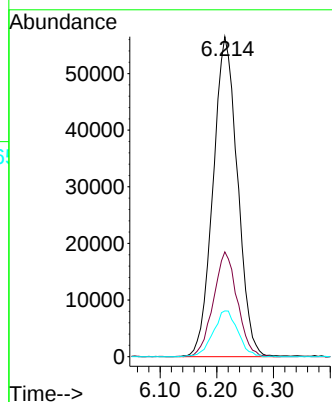
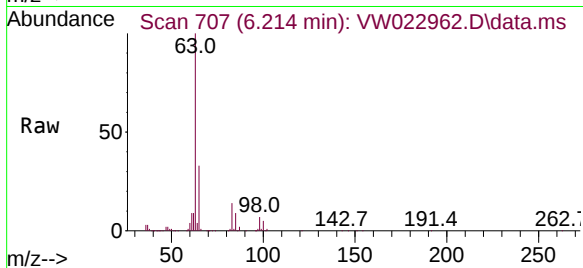
Tgt Ion: 63 Resp: 169167

Ion Ratio Lower Upper

63 100

65 32.8 23.3 43.3

83 14.3 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 21.756 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

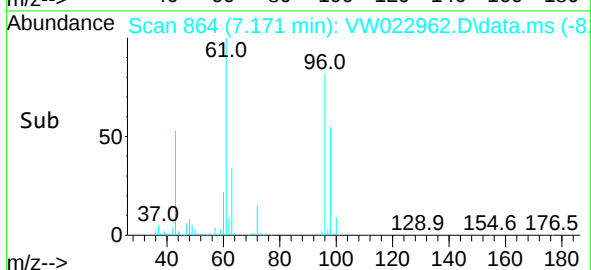
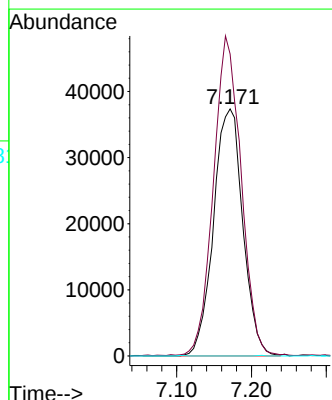
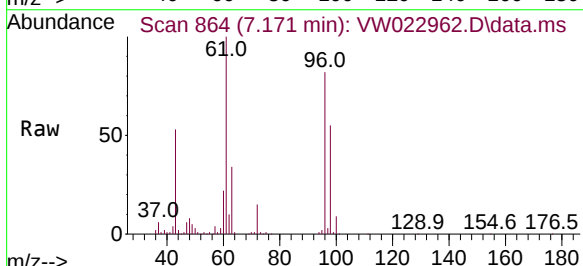
Tgt Ion: 96 Resp: 101726

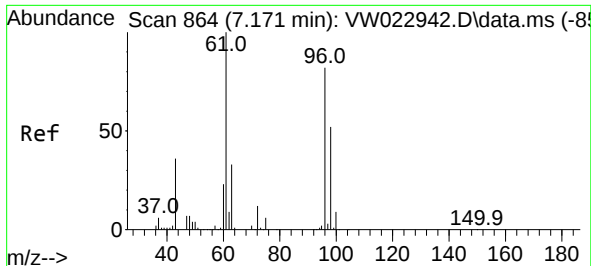
Ion Ratio Lower Upper

96 100

61 122.2 84.2 156.4

68 0.0 0.1 0.1#

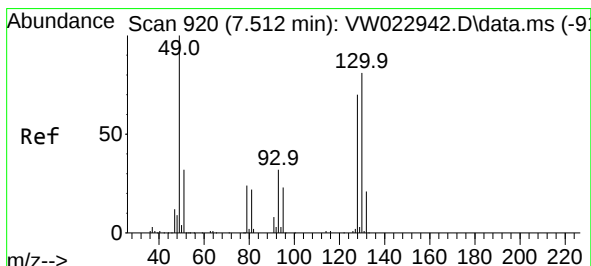
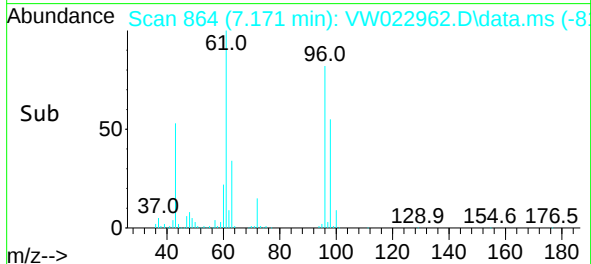
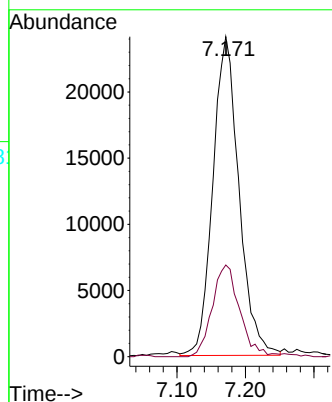
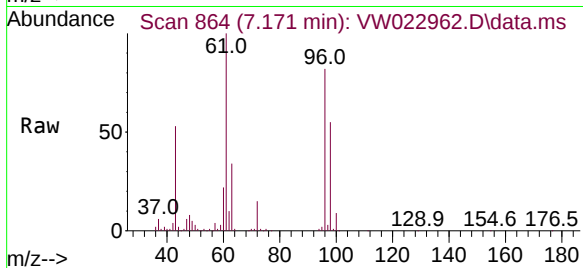




#22
2-Butanone
Concen: 51.578 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

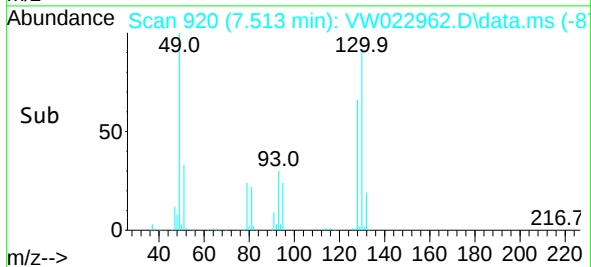
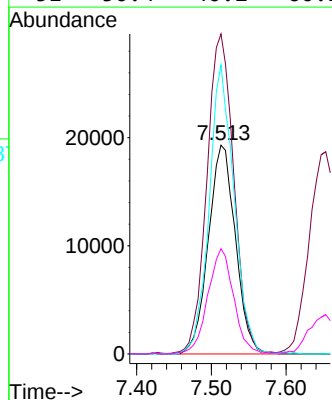
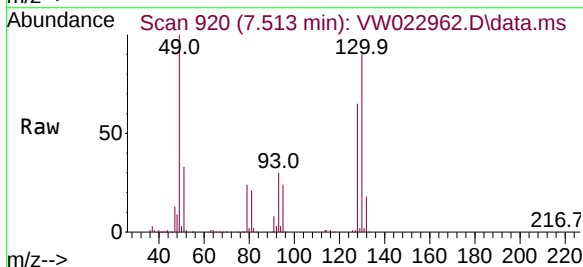
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

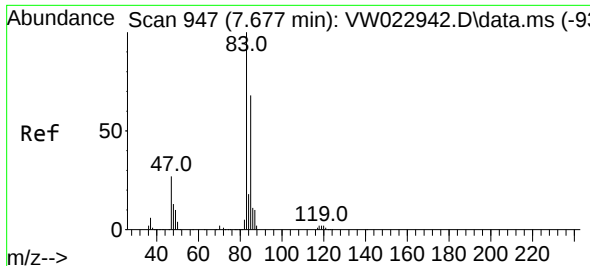
Tgt Ion: 43 Resp: 63626
Ion Ratio Lower Upper
43 100
72 29.8 15.1 45.3



#23
Bromochloromethane
Concen: 22.201 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 128 Resp: 48614
Ion Ratio Lower Upper
128 100
49 153.2 110.0 204.4
130 138.4 94.8 176.0
51 50.4 40.2 60.2

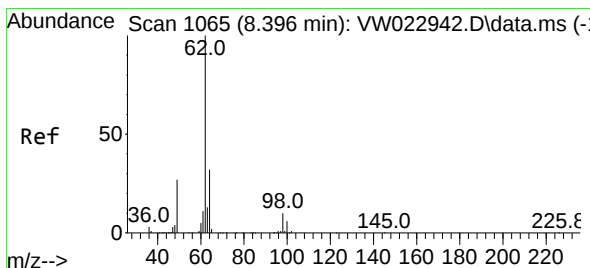
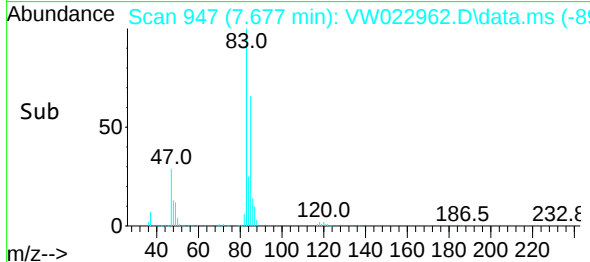
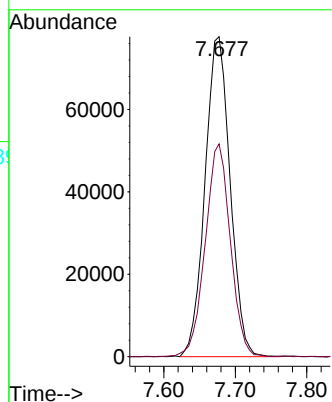
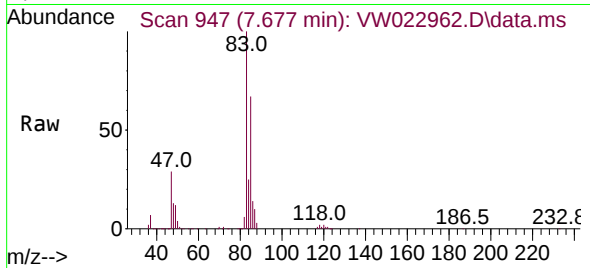




#25
Chloroform
Concen: 23.253 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

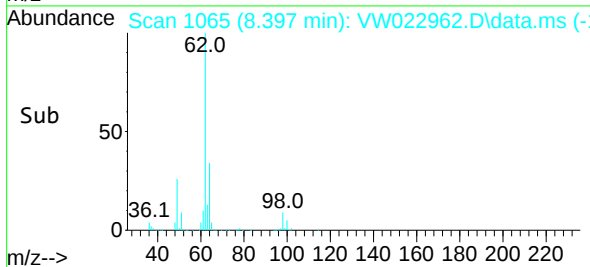
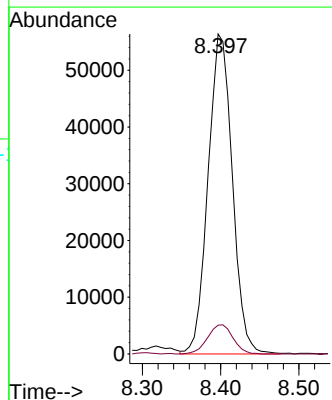
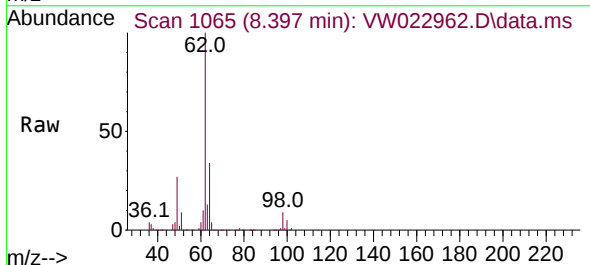
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

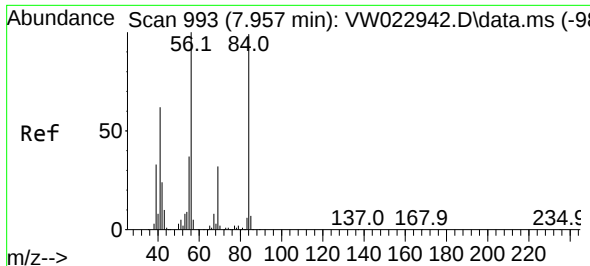
Tgt Ion: 83 Resp: 189706
Ion Ratio Lower Upper
83 100
85 66.5 46.6 86.6



#27
1,2-Dichloroethane
Concen: 22.332 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 62 Resp: 121447
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

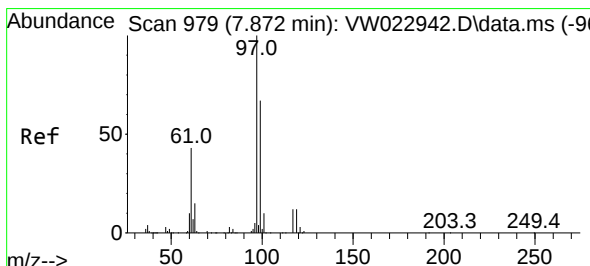
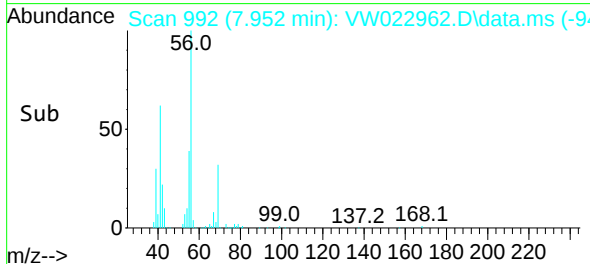
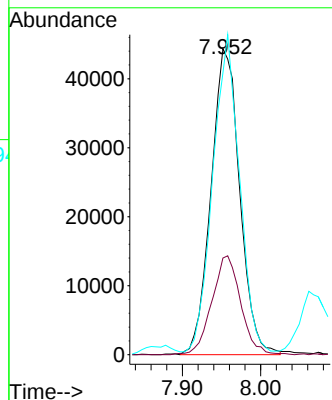
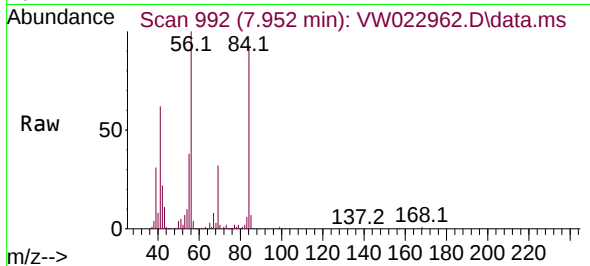




#29
Cyclohexane
Concen: 24.294 ug/L
RT: 7.952 min Scan# 993
Delta R.T. -0.006 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

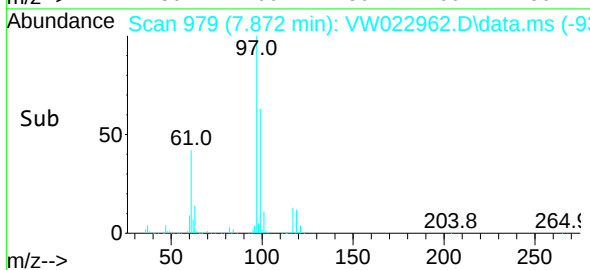
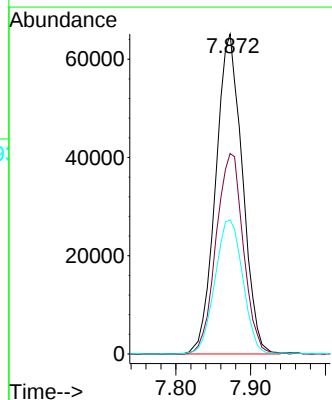
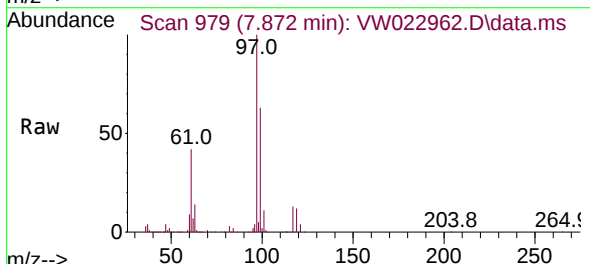
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

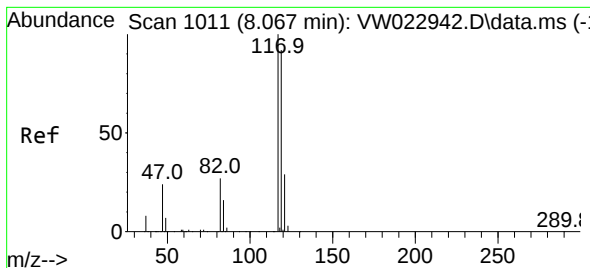
Tgt Ion: 56 Resp: 113068
Ion Ratio Lower Upper
56 100
69 32.4 25.6 38.4
84 98.3 78.2 117.4



#30
1,1,1-Trichloroethane
Concen: 31.730 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 97 Resp: 161364
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 43.7 34.8 52.2

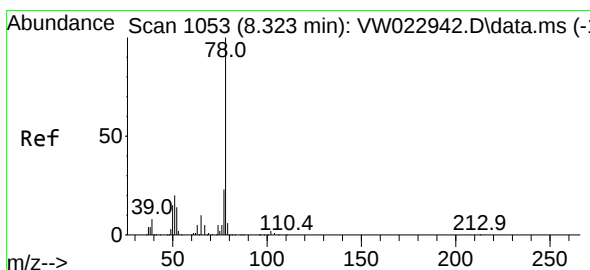
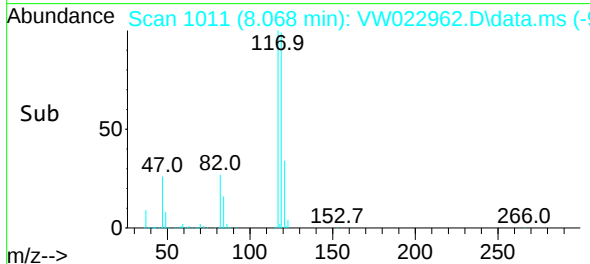
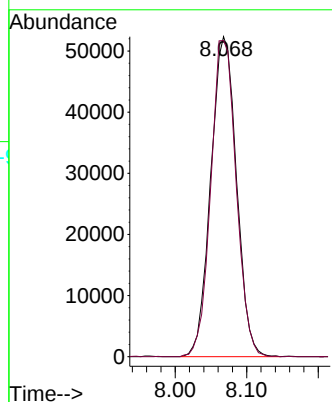
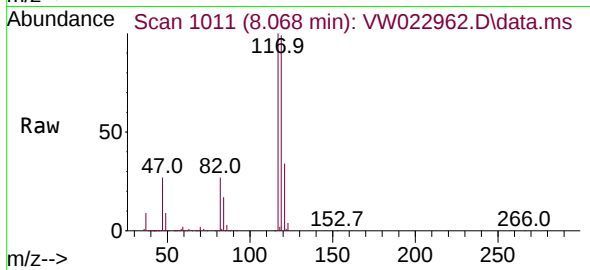




#31
Carbon tetrachloride
Concen: 27.491 ug/L
RT: 8.068 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

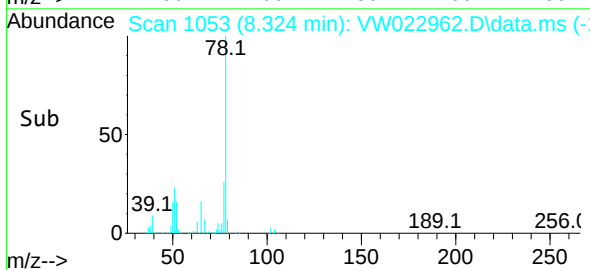
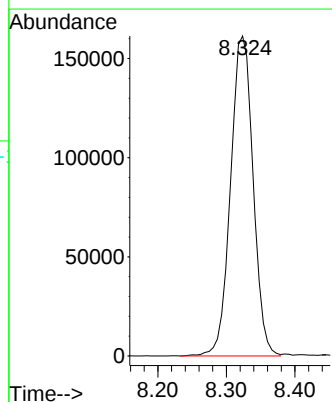
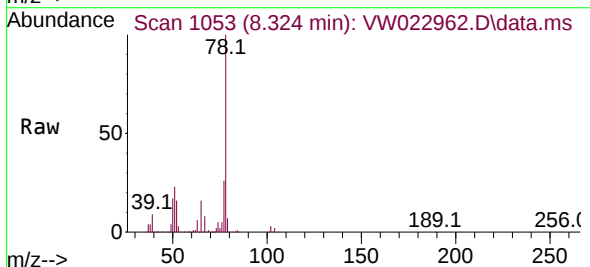
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

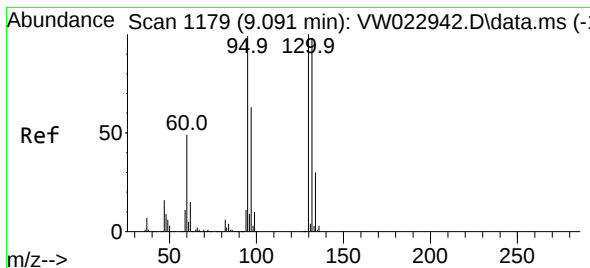
Tgt Ion:117 Resp: 130781
Ion Ratio Lower Upper
117 100
119 97.5 76.6 115.0



#33
Benzene
Concen: 29.118 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 78 Resp: 369146





#34

Trichloroethene

Concen: 23.681 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

Tgt Ion: 95 Resp: 82561

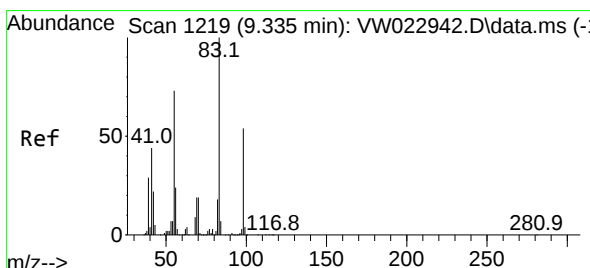
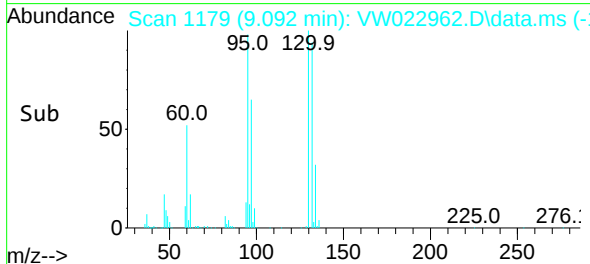
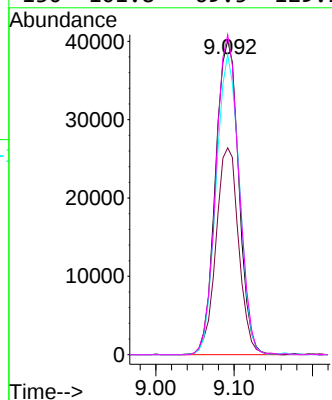
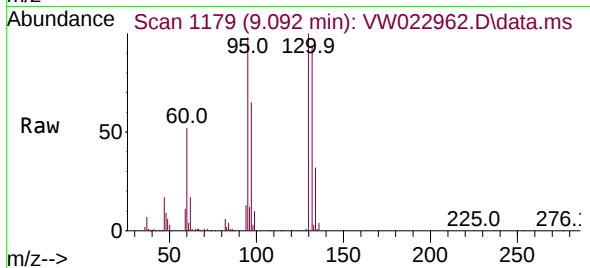
Ion Ratio Lower Upper

95 100

97 65.8 46.1 85.7

132 95.5 66.9 124.3

130 101.8 69.5 129.1



#35

Methylcyclohexane

Concen: 18.892 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

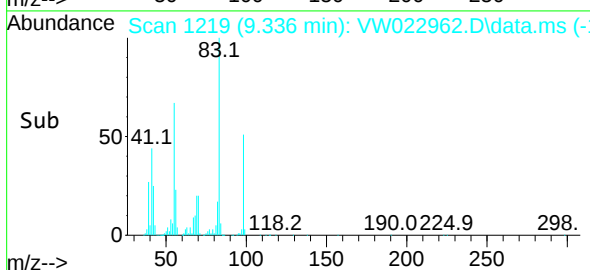
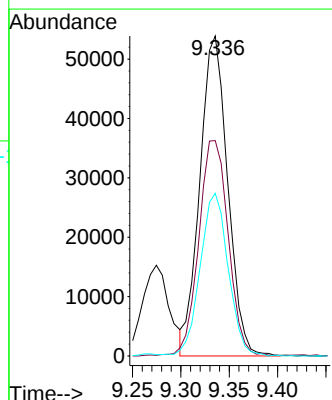
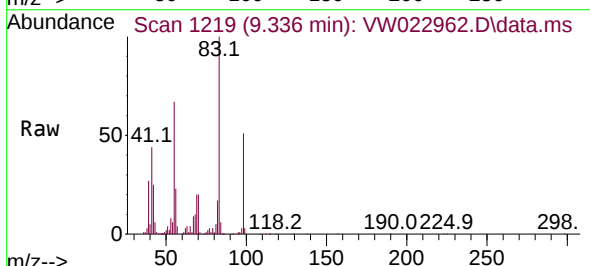
Tgt Ion: 83 Resp: 108204

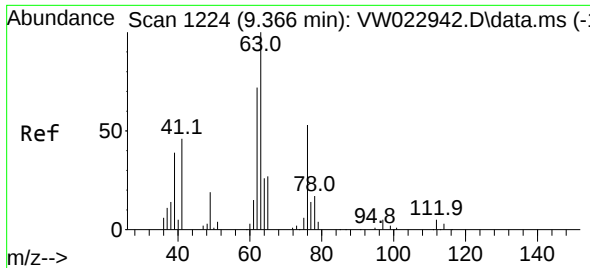
Ion Ratio Lower Upper

83 100

55 71.1 55.1 82.7

98 51.0 40.4 60.6





#37

1,2-Dichloropropane

Concen: 30.987 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

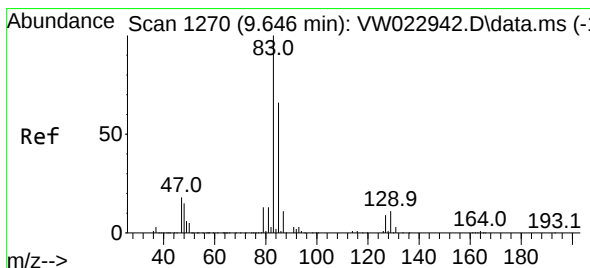
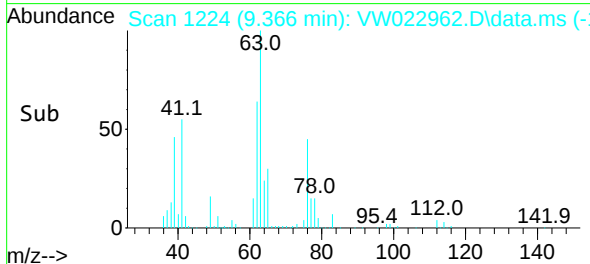
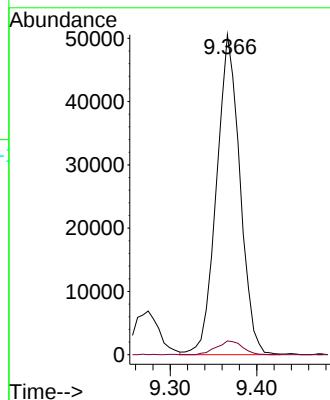
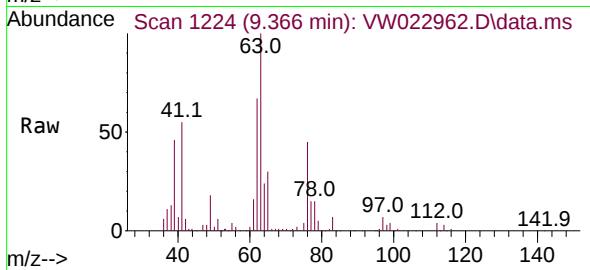
EW4F3MS

Tgt Ion: 63 Resp: 95066

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 29.168 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

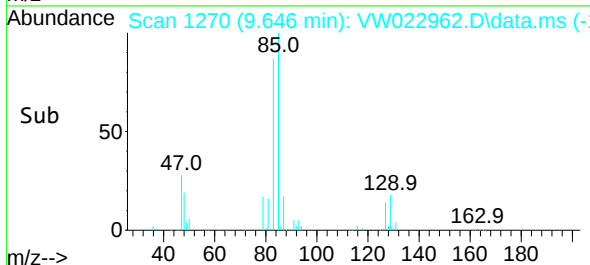
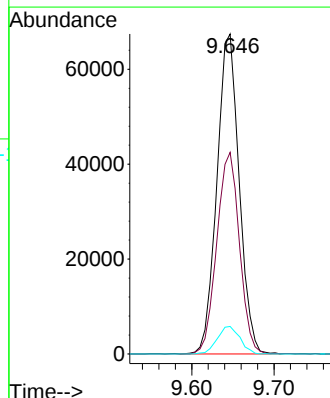
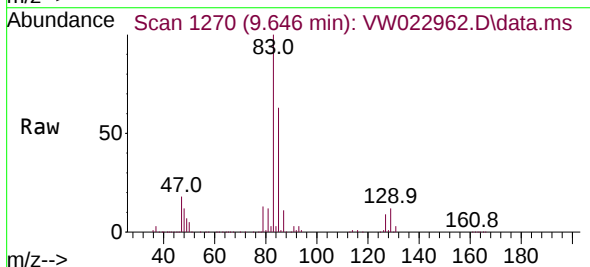
Tgt Ion: 83 Resp: 127099

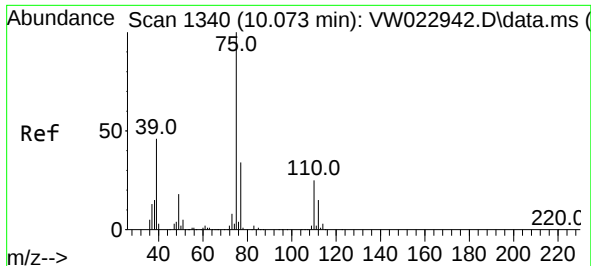
Ion Ratio Lower Upper

83 100

85 63.0 43.5 80.7

127 8.6 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 26.247 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

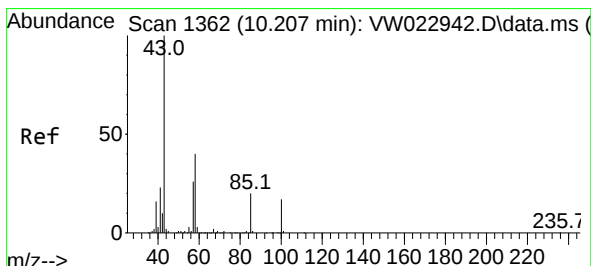
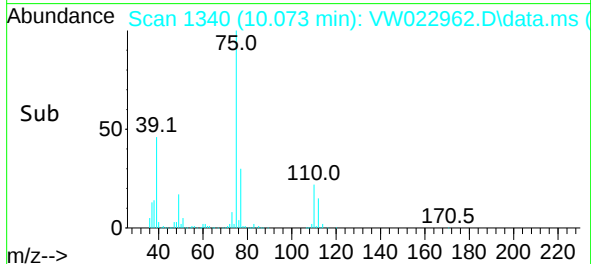
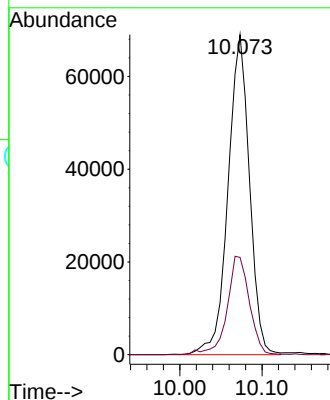
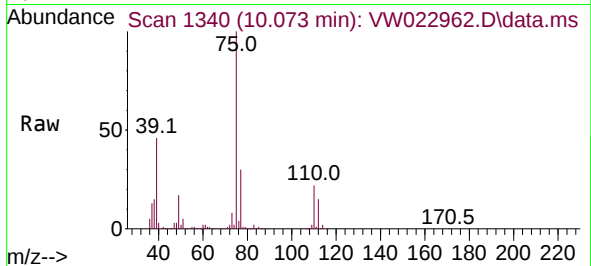
EW4F3MS

Tgt Ion: 75 Resp: 124858

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 64.392 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

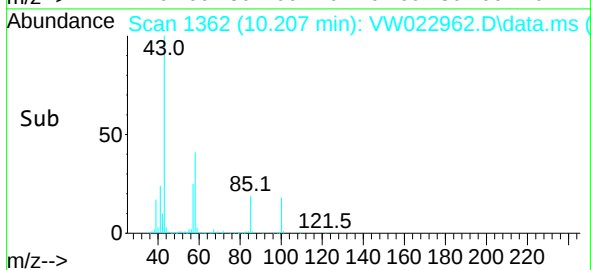
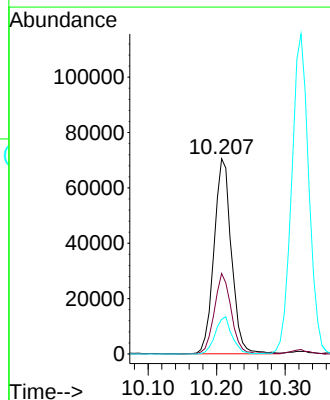
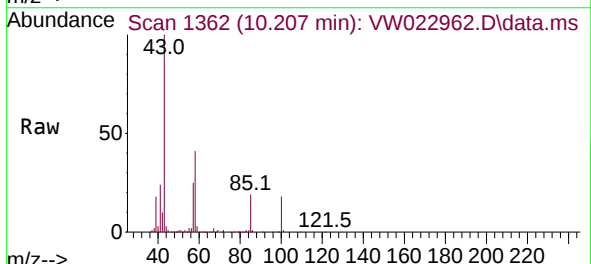
Tgt Ion: 43 Resp: 124514

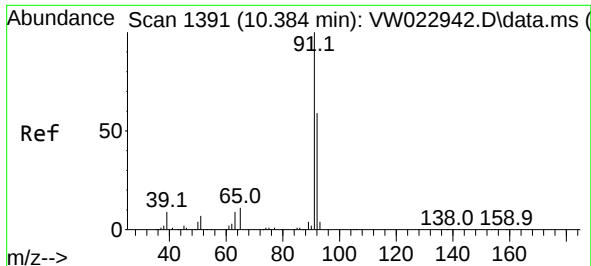
Ion Ratio Lower Upper

43 100

58 39.5 31.4 47.2

100 18.2 14.2 21.4





#42

Toluene

Concen: 25.268 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

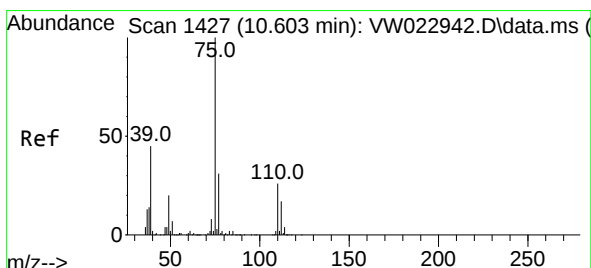
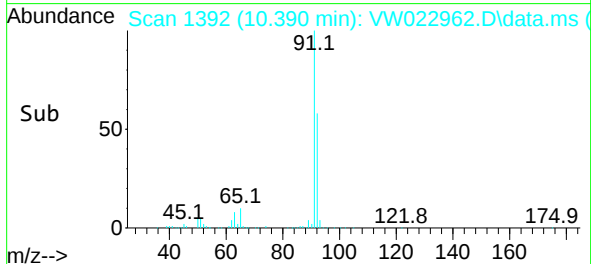
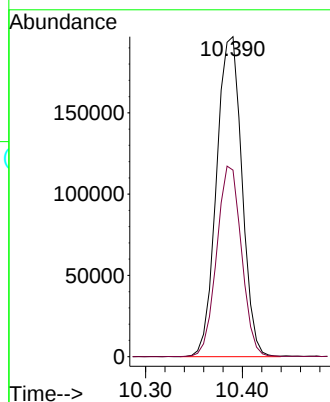
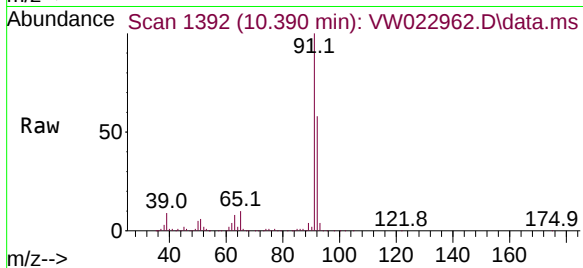
EW4F3MS

Tgt Ion: 91 Resp: 358991

Ion Ratio Lower Upper

91 100

92 58.3 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 23.040 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW022962.D

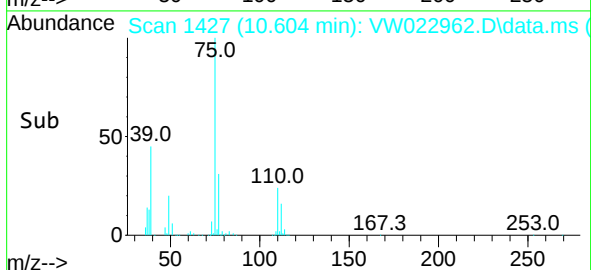
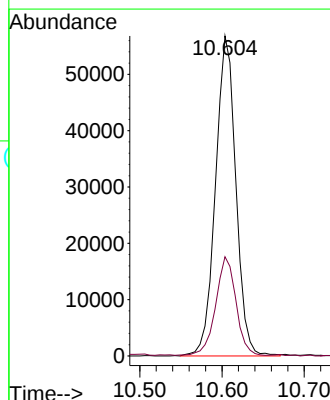
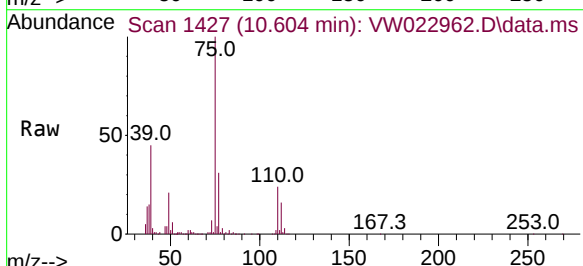
Acq: 10 May 2022 17:49

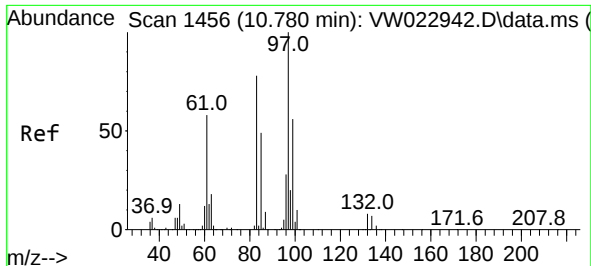
Tgt Ion: 75 Resp: 97825

Ion Ratio Lower Upper

75 100

77 31.0 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 29.796 ug/L

RT: 10.787 min Scan# 1456

Delta R.T. 0.006 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

Tgt Ion: 97 Resp: 76415

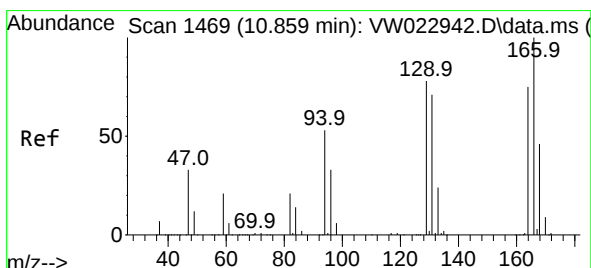
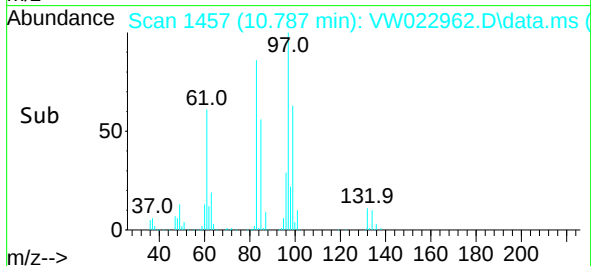
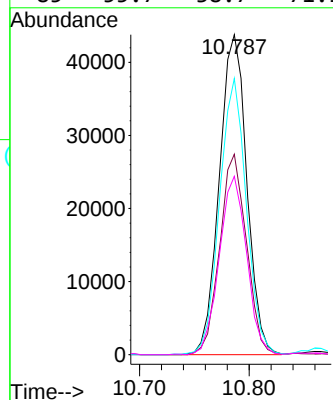
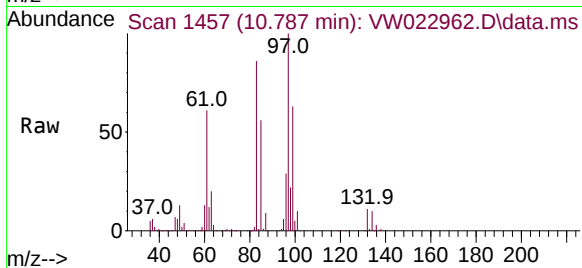
Ion Ratio Lower Upper

97 100

99 62.7 44.7 82.9

83 86.3 58.4 108.4

85 55.7 38.7 71.9



#46

Tetrachloroethene

Concen: 18.012 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Tgt Ion:164 Resp: 47192

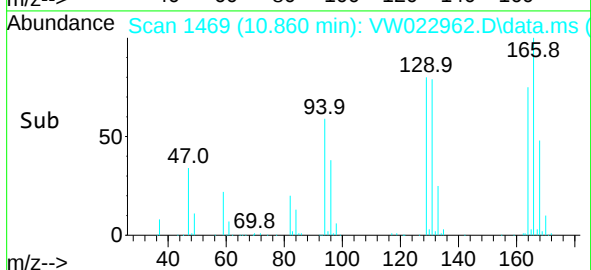
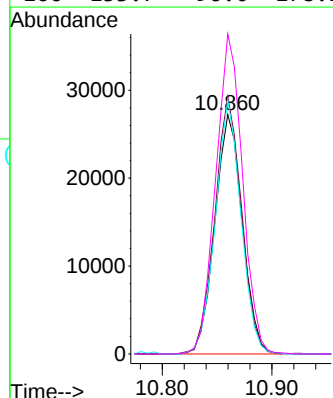
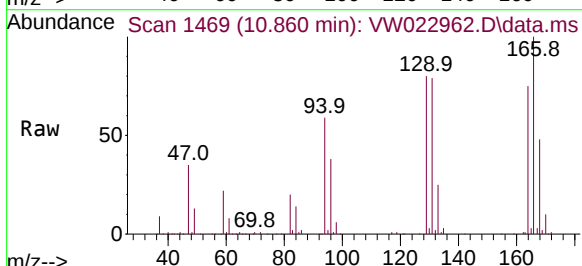
Ion Ratio Lower Upper

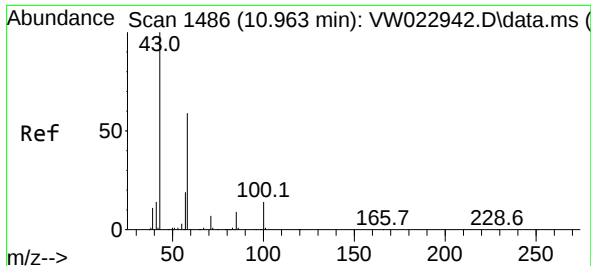
164 100

129 107.5 76.9 142.7

131 106.1 75.1 139.5

166 133.7 96.0 178.2

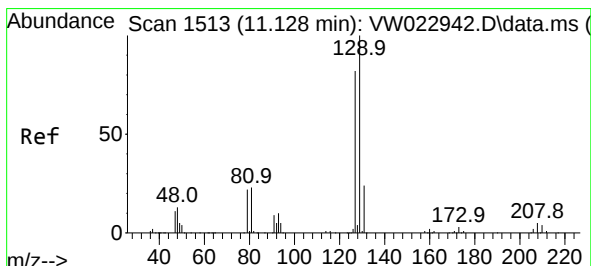
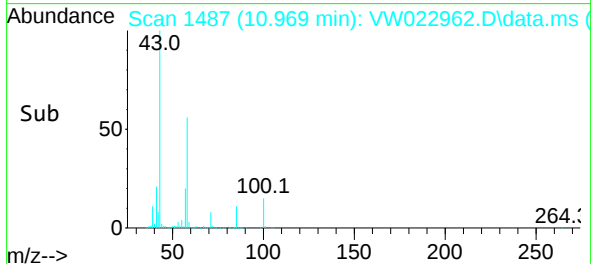
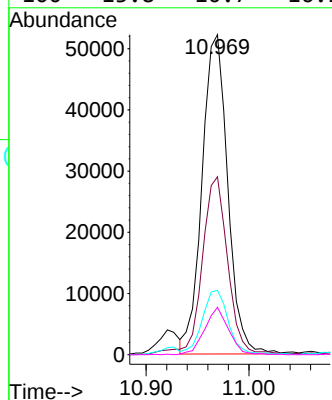
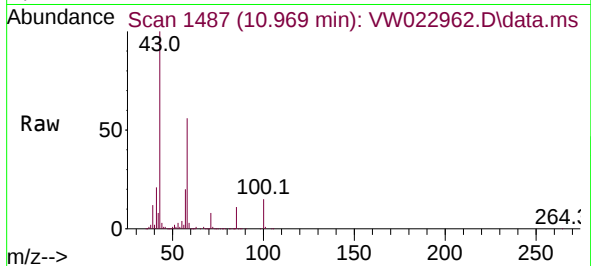




#48
2-Hexanone
Concen: 70.157 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

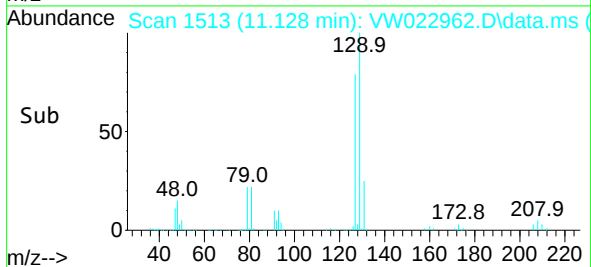
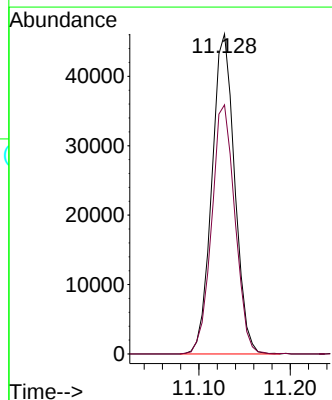
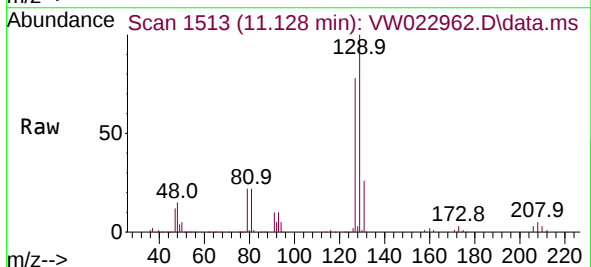
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

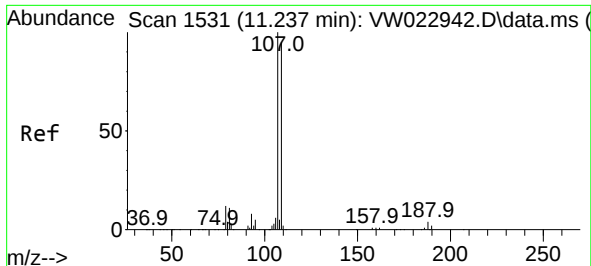
Tgt Ion: 43 Resp: 90643
Ion Ratio Lower Upper
43 100
58 55.1 45.9 68.9
57 20.4 16.2 24.2
100 13.8 10.7 16.1



#49
Dibromochloromethane
Concen: 25.831 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion:129 Resp: 79733
Ion Ratio Lower Upper
129 100
127 77.9 53.8 100.0





#50

1,2-Dibromoethane

Concen: 23.681 ug/L

RT: 11.238 min Scan# 1531

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

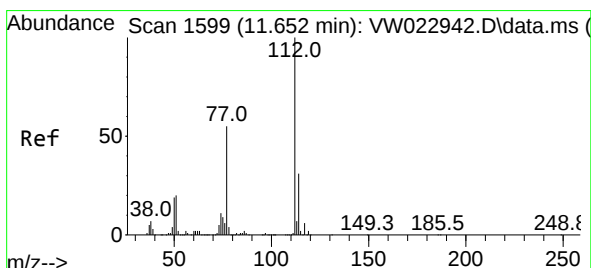
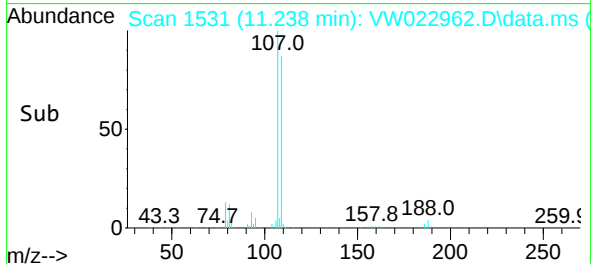
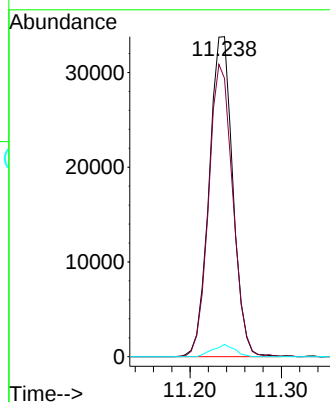
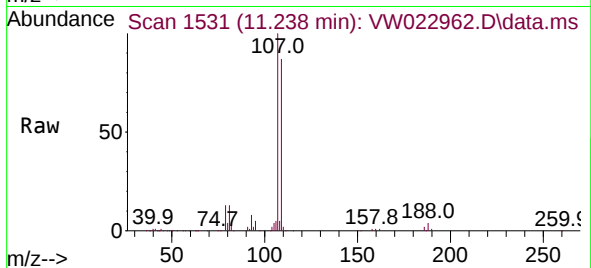
Tgt Ion:107 Resp: 60984

Ion Ratio Lower Upper

107 100

109 87.0 67.5 125.4

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 20.290 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

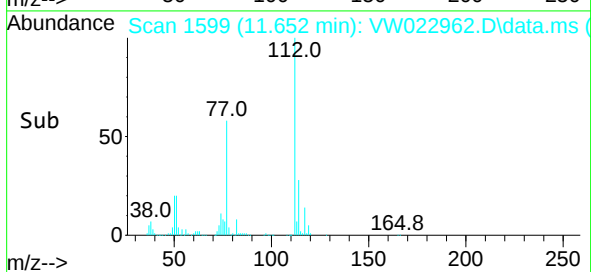
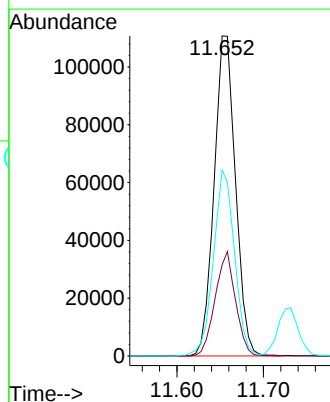
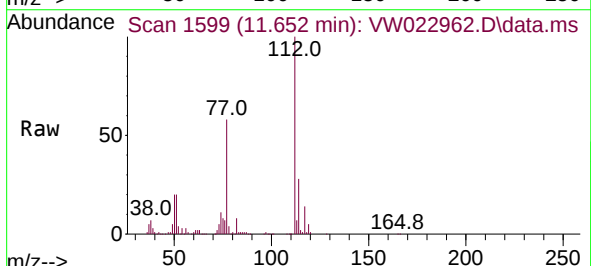
Tgt Ion:112 Resp: 190046

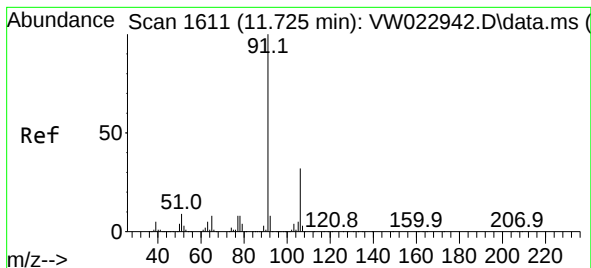
Ion Ratio Lower Upper

112 100

114 28.5 22.0 41.0

77 58.0 42.6 63.8





#52

Ethylbenzene

Concen: 19.674 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

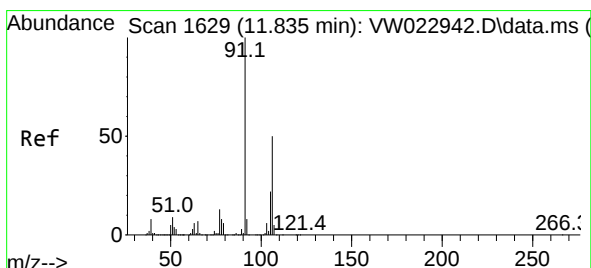
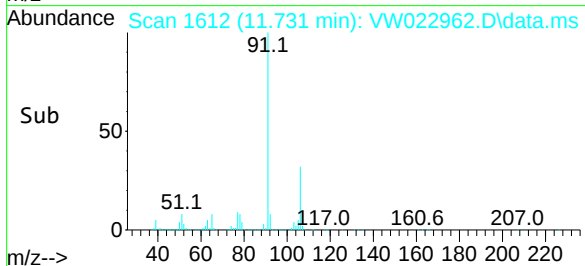
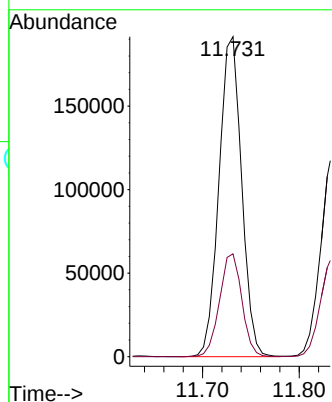
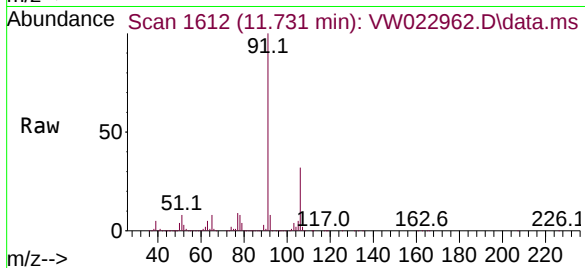
EW4F3MS

Tgt Ion: 91 Resp: 310966

Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.3



#53

m,p-Xylene

Concen: 19.247 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW022962.D

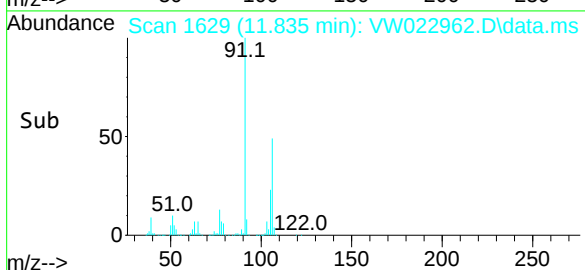
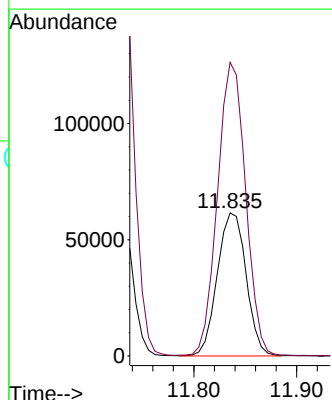
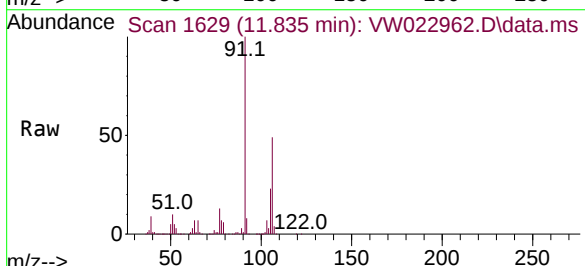
Acq: 10 May 2022 17:49

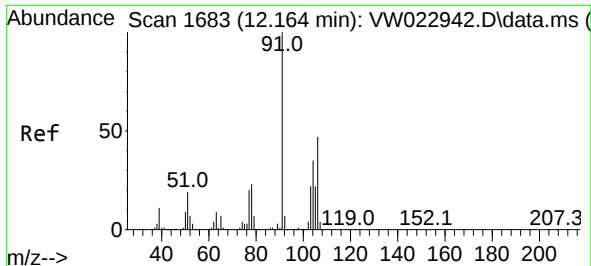
Tgt Ion:106 Resp: 119868

Ion Ratio Lower Upper

106 100

91 205.3 136.8 254.0

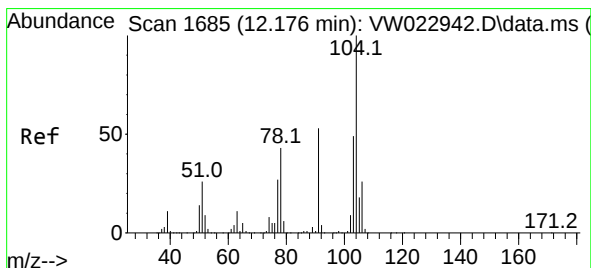
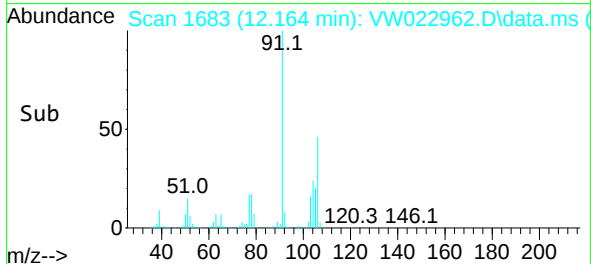
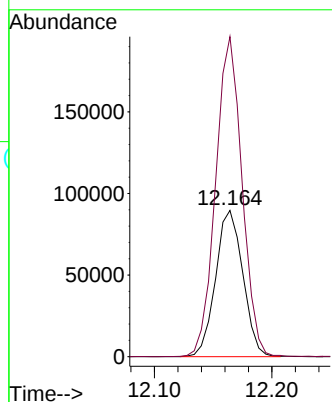
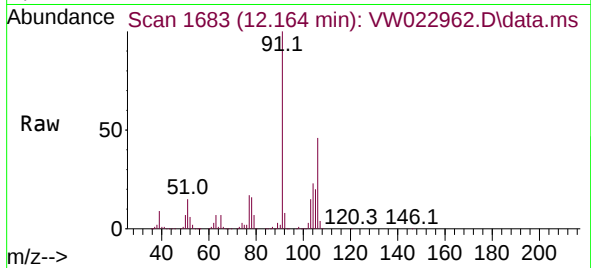




#54
o-Xylene
Concen: 24.164 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

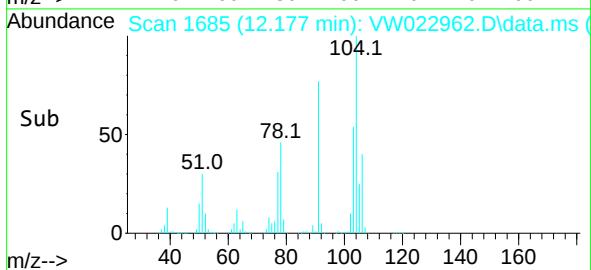
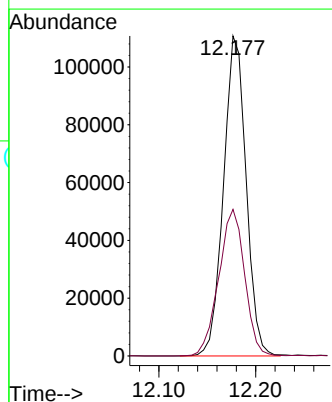
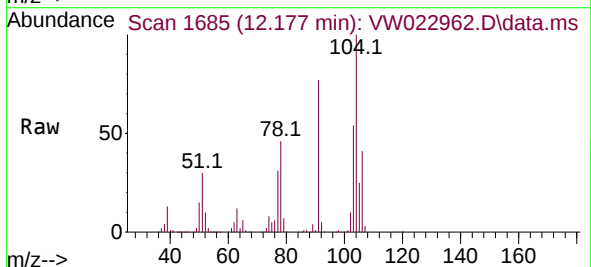
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

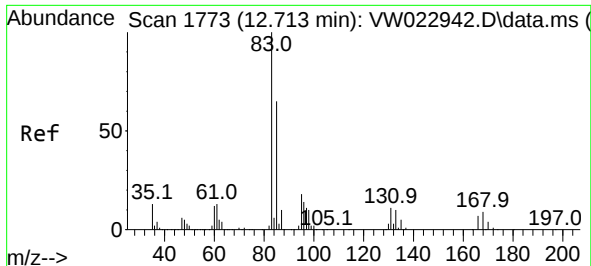
Tgt Ion:106 Resp: 144417
Ion Ratio Lower Upper
106 100
91 218.8 147.2 273.4



#55
Styrene
Concen: 17.698 ug/L
RT: 12.177 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion:104 Resp: 179728
Ion Ratio Lower Upper
104 100
78 45.8 32.3 59.9





#57

1,1,2-Tetrachloroethane

Concen: 28.884 ug/L

RT: 12.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

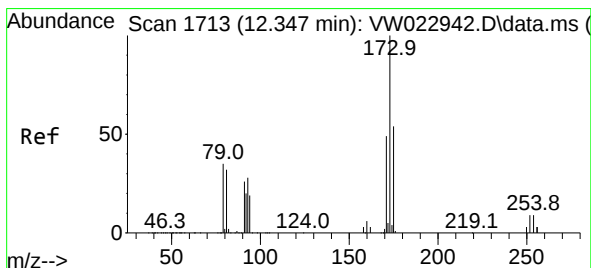
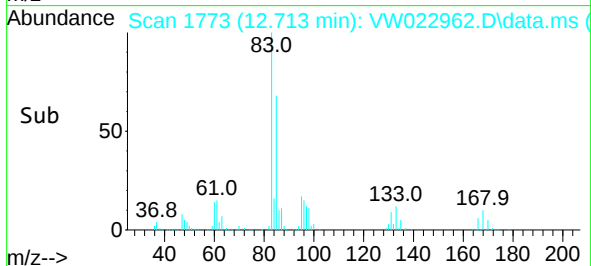
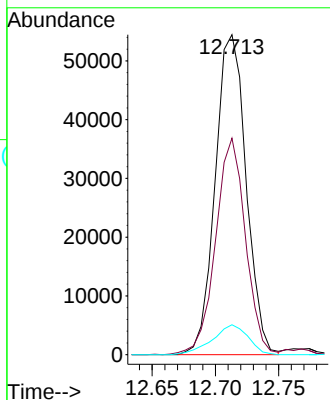
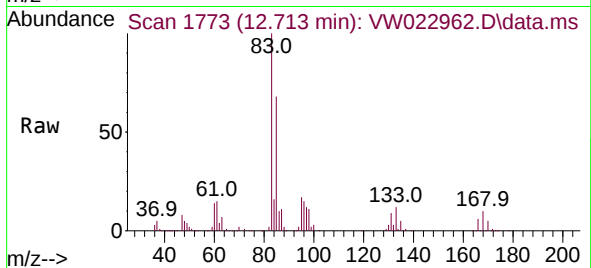
Tgt Ion: 83 Resp: 92525

Ion Ratio Lower Upper

83 100

85 67.6 47.5 88.1

131 9.4 8.7 13.1



#59

Bromoform

Concen: 49.083 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

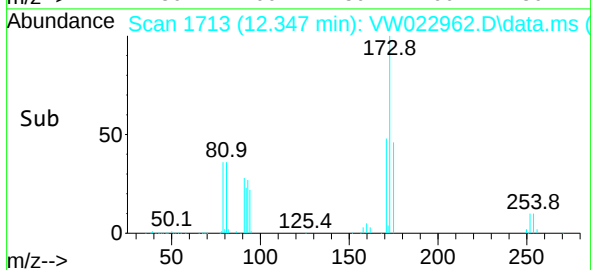
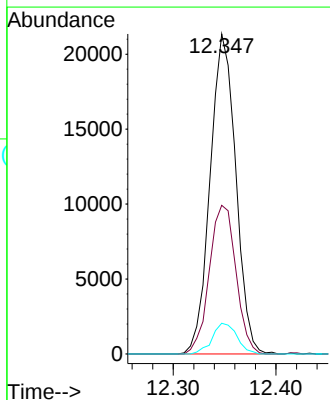
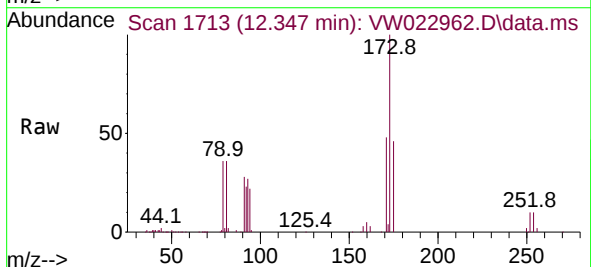
Tgt Ion:173 Resp: 36964

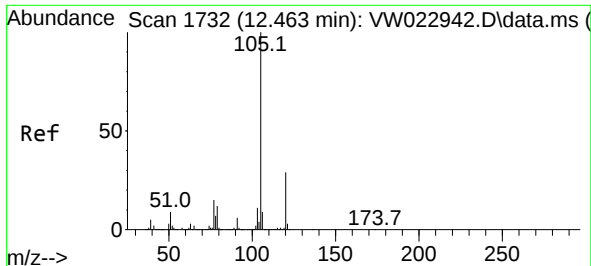
Ion Ratio Lower Upper

173 100

175 48.2 38.1 57.1

254 9.2 6.5 9.7

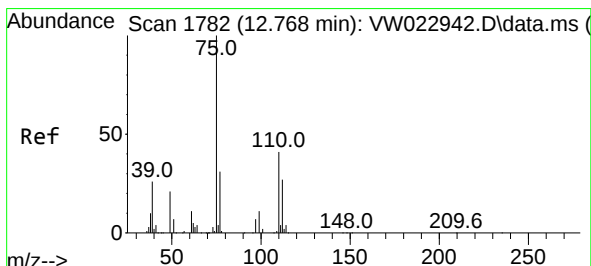
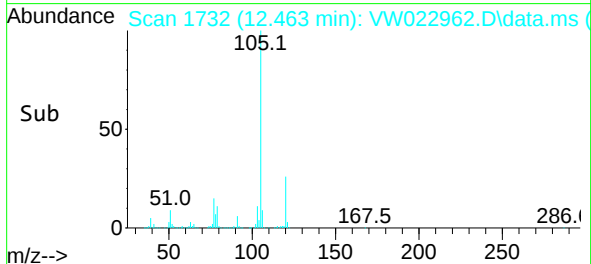
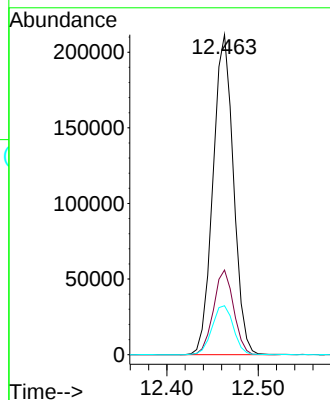
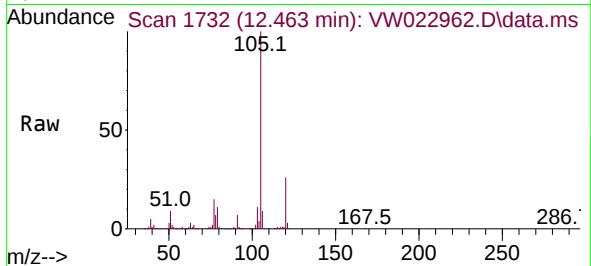




#60
Isopropylbenzene
Concen: 45.145 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

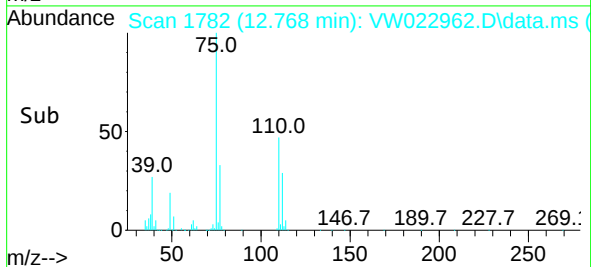
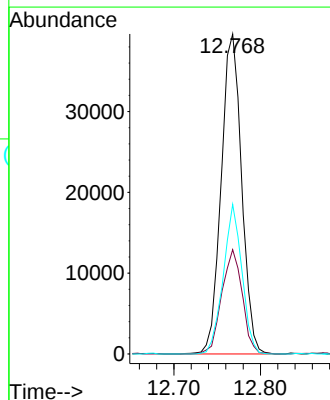
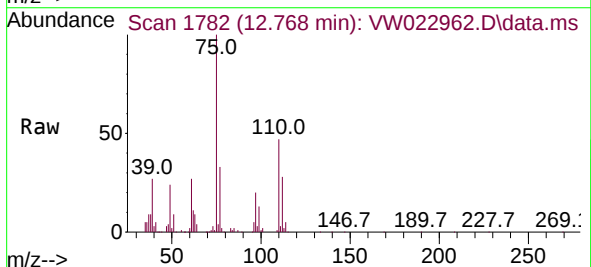
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

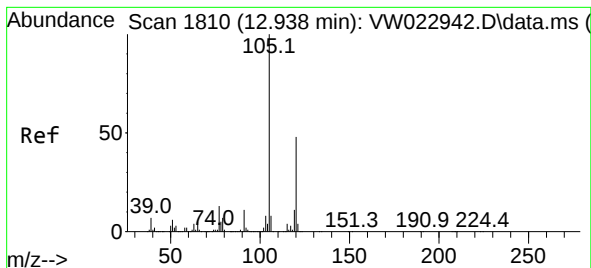
Tgt Ion:105 Resp: 328656
Ion Ratio Lower Upper
105 100
120 26.1 21.3 31.9
77 16.0 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 61.071 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion: 75 Resp: 64845
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2
110 42.8 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 42.271 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

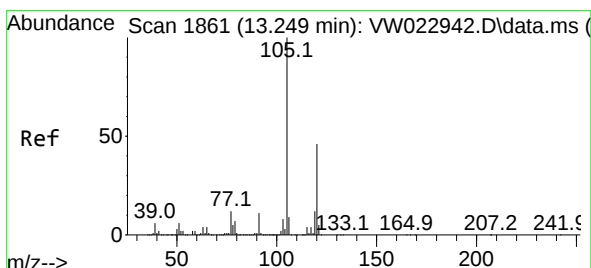
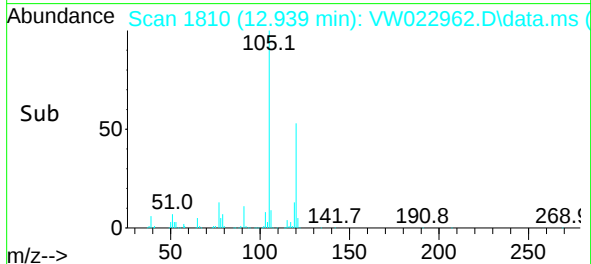
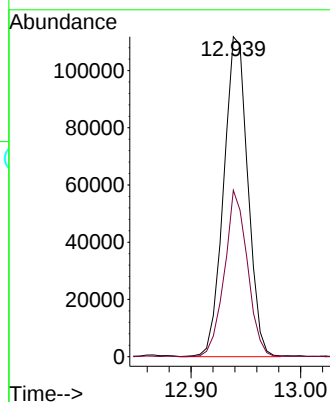
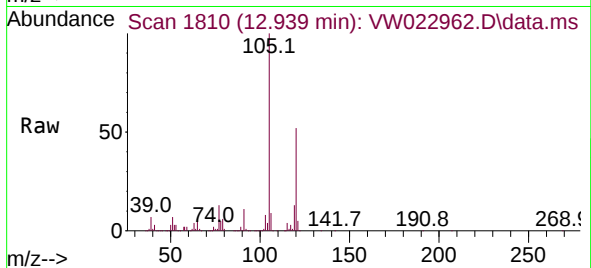
EW4F3MS

Tgt Ion:105 Resp: 171204

Ion Ratio Lower Upper

105 100

120 49.4 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 35.946 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW022962.D

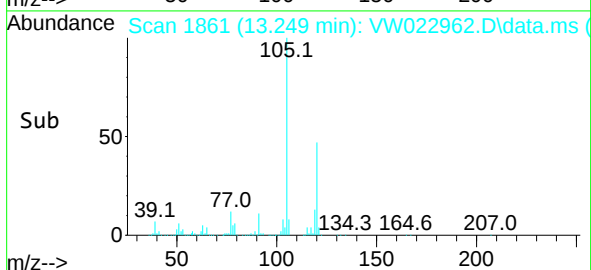
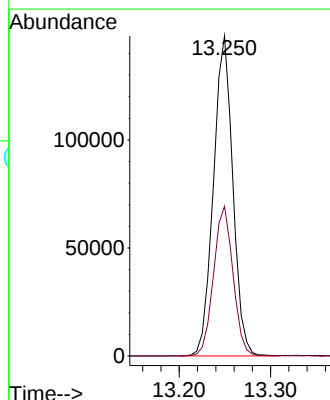
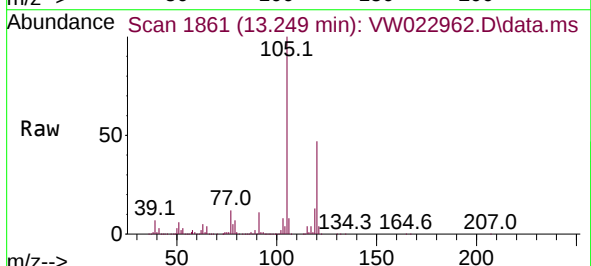
Acq: 10 May 2022 17:49

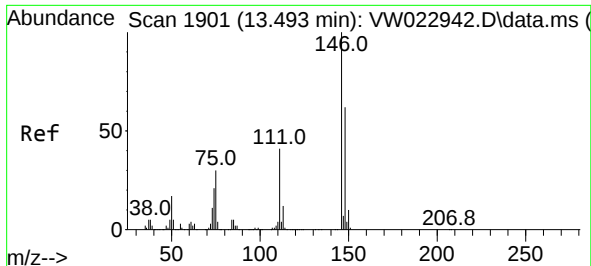
Tgt Ion:105 Resp: 218599

Ion Ratio Lower Upper

105 100

120 46.9 37.4 56.2

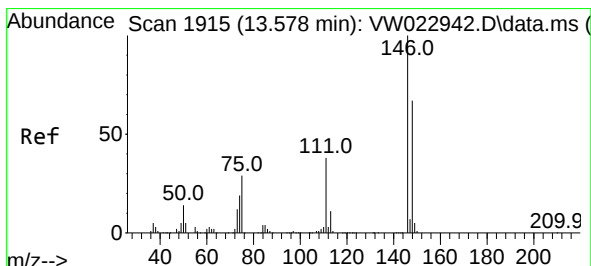
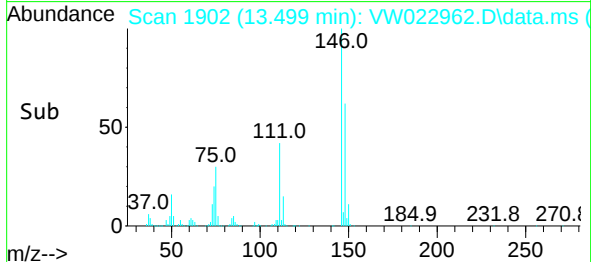
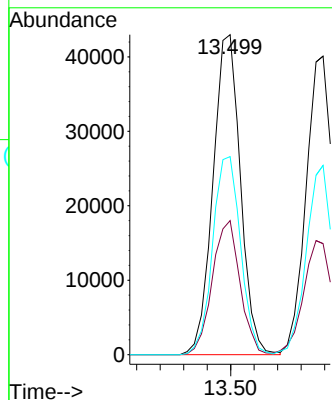
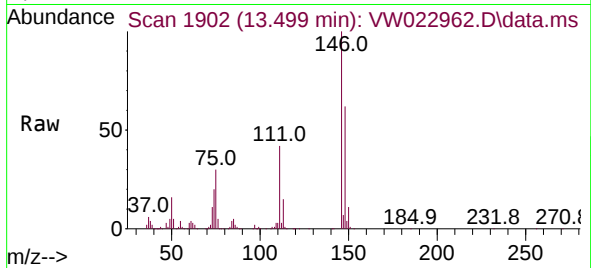




#64
1,3-Dichlorobenzene
Concen: 21.469 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

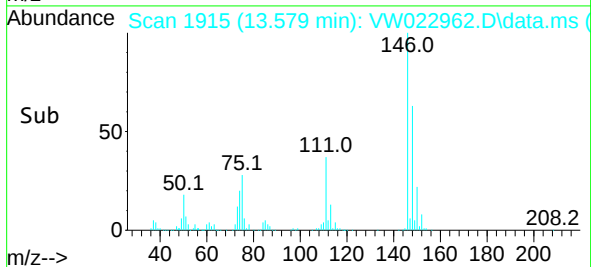
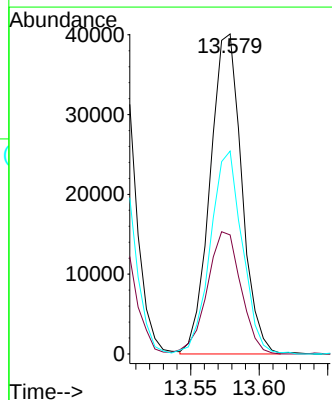
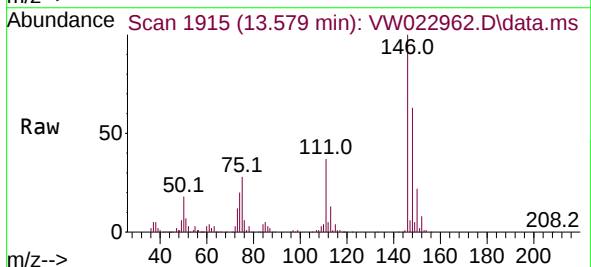
Instrument :
MSVOA_W
ClientSampleId :
EW4F3MS

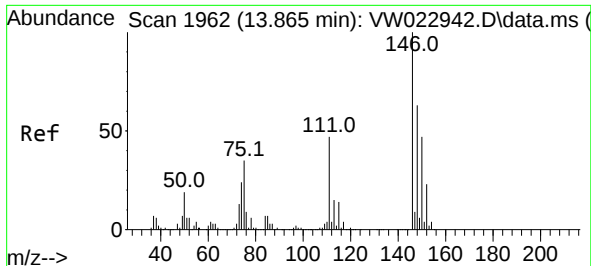
Tgt Ion:146 Resp: 69780
Ion Ratio Lower Upper
146 100
111 41.9 29.5 54.9
148 61.9 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 19.178 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW022962.D
Acq: 10 May 2022 17:49

Tgt Ion:146 Resp: 64385
Ion Ratio Lower Upper
146 100
111 37.2 27.2 50.4
148 63.4 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 26.425 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

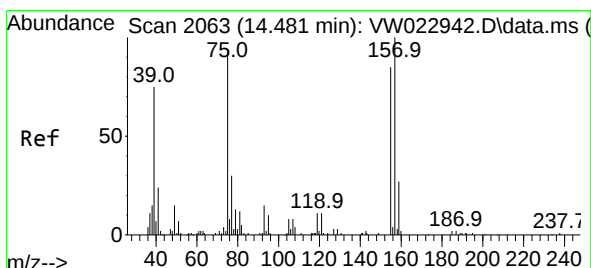
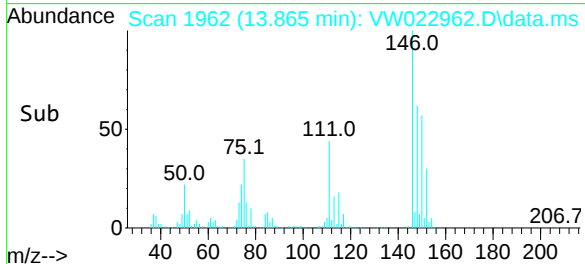
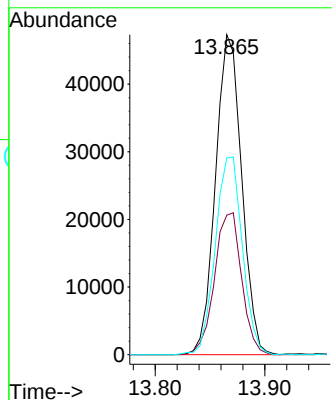
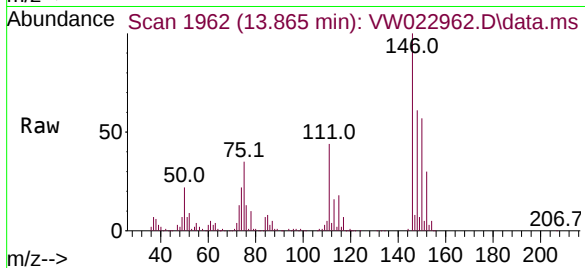
Tgt Ion:146 Resp: 78595

Ion Ratio Lower Upper

146 100

111 43.6 35.7 53.5

148 61.5 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 50.665 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

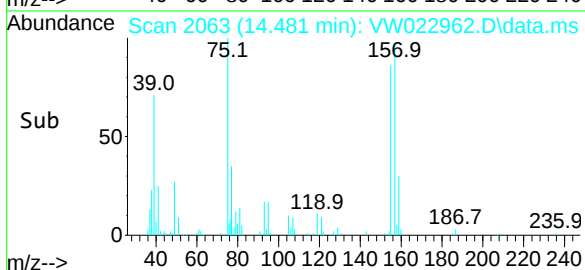
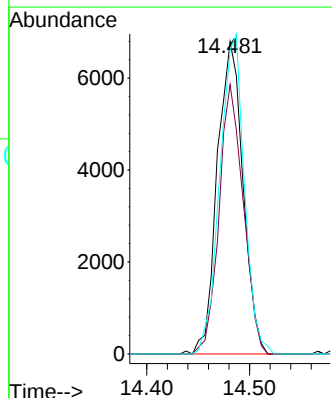
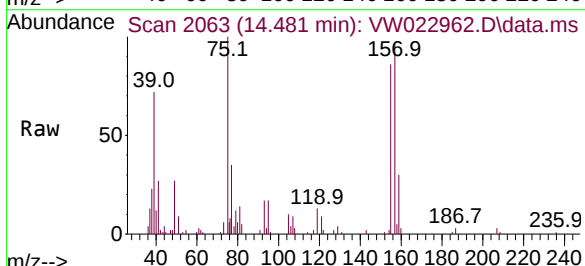
Tgt Ion: 75 Resp: 11757

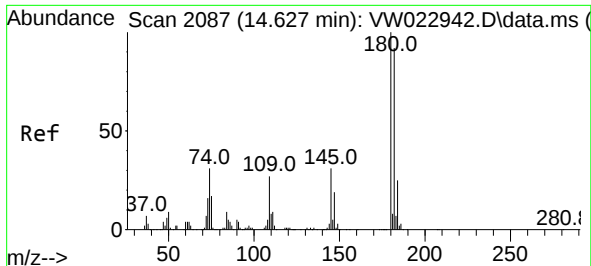
Ion Ratio Lower Upper

75 100

155 86.2 59.3 88.9

157 97.1 89.8 134.8





#69

1,3,5-Trichlorobenzene

Concen: 14.895 ug/L

RT: 14.621 min Scan# 2087

Delta R.T. -0.006 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

Tgt Ion:180 Resp: 32135

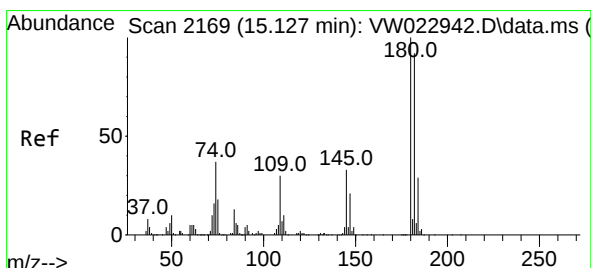
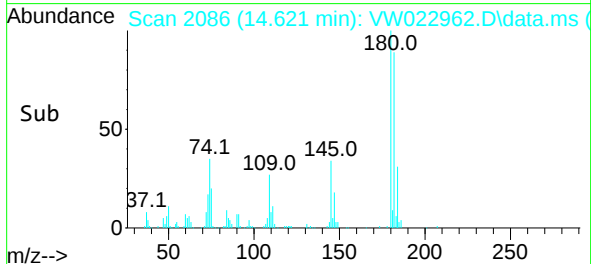
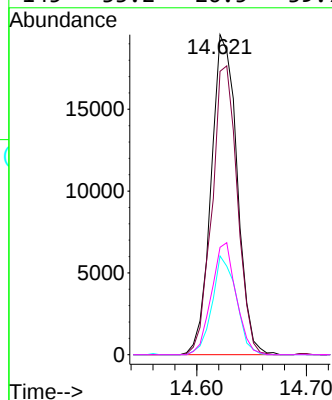
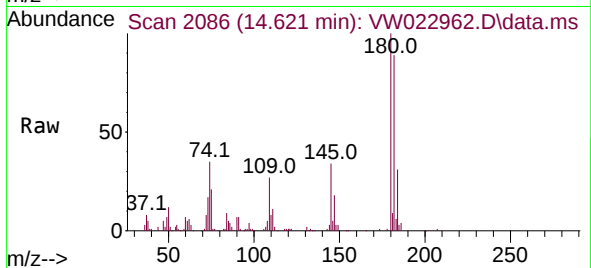
Ion Ratio Lower Upper

180 100

182 88.1 74.8 112.2

184 28.7 23.4 35.2

145 33.2 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 7.798 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

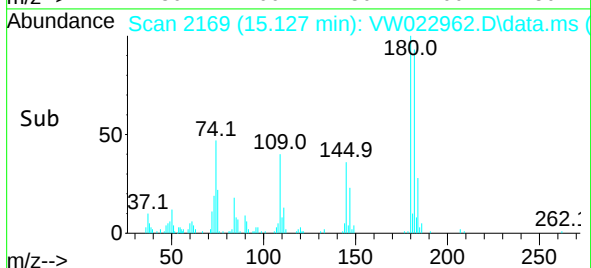
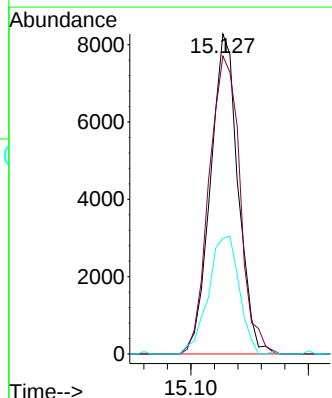
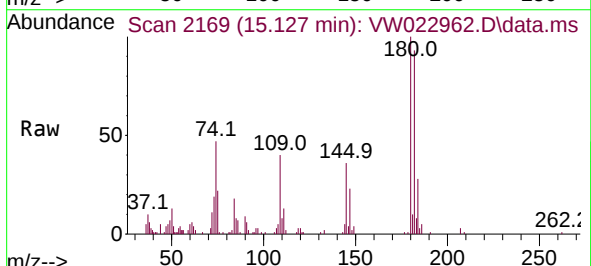
Tgt Ion:180 Resp: 13533

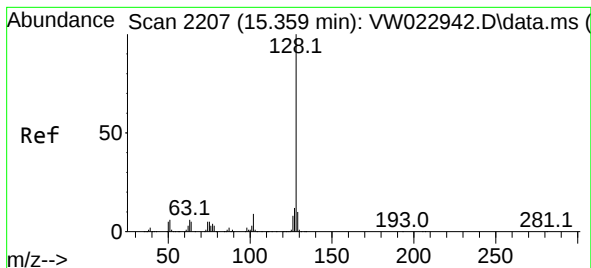
Ion Ratio Lower Upper

180 100

182 103.8 74.9 112.3

145 40.8 26.6 39.8#





#71

Naphthalene

Concen: 19.456 ug/L

RT: 15.365 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

EW4F3MS

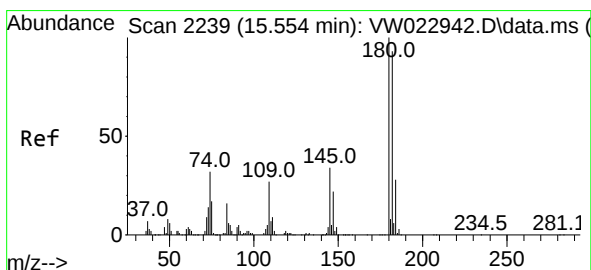
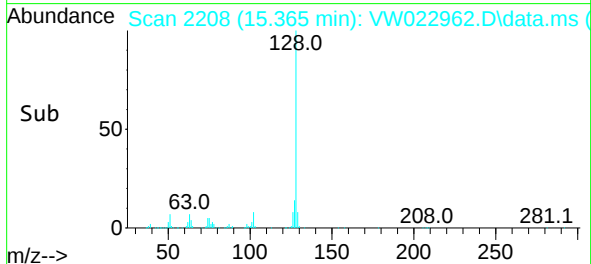
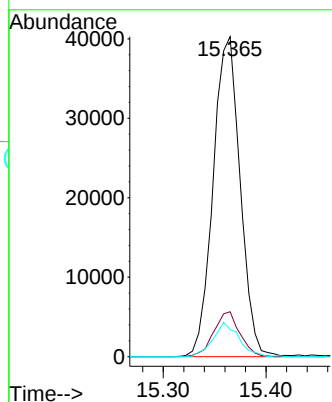
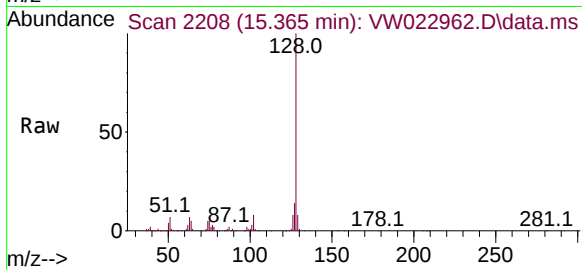
Tgt Ion:128 Resp: 73392

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.3 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 11.513 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.000 min

Lab File: VW022962.D

Acq: 10 May 2022 17:49

Tgt Ion:180 Resp: 17709

Ion Ratio Lower Upper

180 100

182 96.3 73.5 110.3

145 36.6 27.9 41.9

