

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080322\
 Data File : VW024145.D
 Acq On : 03 Aug 2022 08:48
 Operator : SY/VA
 Sample : VSTD2.501
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5401

Quant Time: Aug 04 00:44:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Aug 04 00:42:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	331740	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	312325	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	159967	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	17706	3.152	ug/L	0.00
7) Chloroethane-d5	2.873	69	9003	2.511	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.007	63	20696	2.938	ug/L	0.00
21) 2-Butanone-d5	7.080	46	5688	4.782	ug/L	0.00
24) Chloroform-d	7.641	84	26933	2.874	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	14946	2.943	ug/L	0.00
32) Benzene-d6	8.269	84	48741	2.947	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.275	67	13904	2.847	ug/L	0.00
41) Toluene-d8	10.323	98	42554	2.749	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.573	79	6123	2.687	ug/L	0.00
47) 2-Hexanone-d5	10.927	63	4059	4.359	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.689	84	13138	2.667	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	15497	2.731	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.002	85	6684	2.477	ug/L	89
3) Chloromethane	2.215	50	12250	2.314	ug/L	98
5) Vinyl chloride	2.355	62	20649	2.561	ug/L	91
6) Bromomethane	2.770	94	13104	2.759	ug/L	94
8) Chloroethane	2.904	64	7041	2.036	ug/L	86
9) Trichlorofluoromethane	3.245	101	13174	2.868	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.044	101	13445	2.593	ug/L #	89
12) 1,1-Dichloroethene	4.026	96	11070	2.529	ug/L	98
13) Acetone	4.111	43	8514	9.155	ug/L	75
14) Carbon disulfide	4.367	76	38394	2.708	ug/L	99
15) Methyl Acetate	4.922	43	226	0.112	ug/L	97
16) Methylene chloride	4.897	84	26824	4.122	ug/L	95
17) trans-1,2-Dichloroethene	5.416	96	6347	1.289	ug/L	98
18) Methyl tert-butyl Ether	5.422	73	14978	2.231	ug/L #	87
19) 1,1-Dichloroethane	6.208	63	21536	2.585	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	12139	2.332	ug/L #	86
22) 2-Butanone	7.354	43	123	0.083	ug/L	82
23) Bromochloromethane	7.507	128	6737	2.571	ug/L	91
25) Chloroform	7.671	83	23360	2.518	ug/L	93
27) 1,2-Dichloroethane	8.403	62	16437	2.687	ug/L	98
29) Cyclohexane	7.946	56	14388	2.175	ug/L	99
30) 1,1,1-Trichloroethane	7.866	97	19973	2.615	ug/L	98
31) Carbon tetrachloride	8.061	117	18528	2.588	ug/L	95
33) Benzene	8.317	78	51216	2.640	ug/L	100
34) Trichloroethene	9.086	95	14007	2.698	ug/L	91
35) Methylcyclohexane	9.336	83	18168	2.215	ug/L	94
37) 1,2-Dichloropropane	9.366	63	12177	2.638	ug/L #	93
38) Bromodichloromethane	9.640	83	17255	2.616	ug/L #	95
39) cis-1,3-Dichloropropene	10.067	75	15954	2.285	ug/L	90
40) 4-Methyl-2-pentanone	10.207	43	14496	5.014	ug/L	94
42) Toluene	10.384	91	48219	2.328	ug/L	96
44) trans-1,3-Dichloropropene	10.604	75	14987	2.346	ug/L	95

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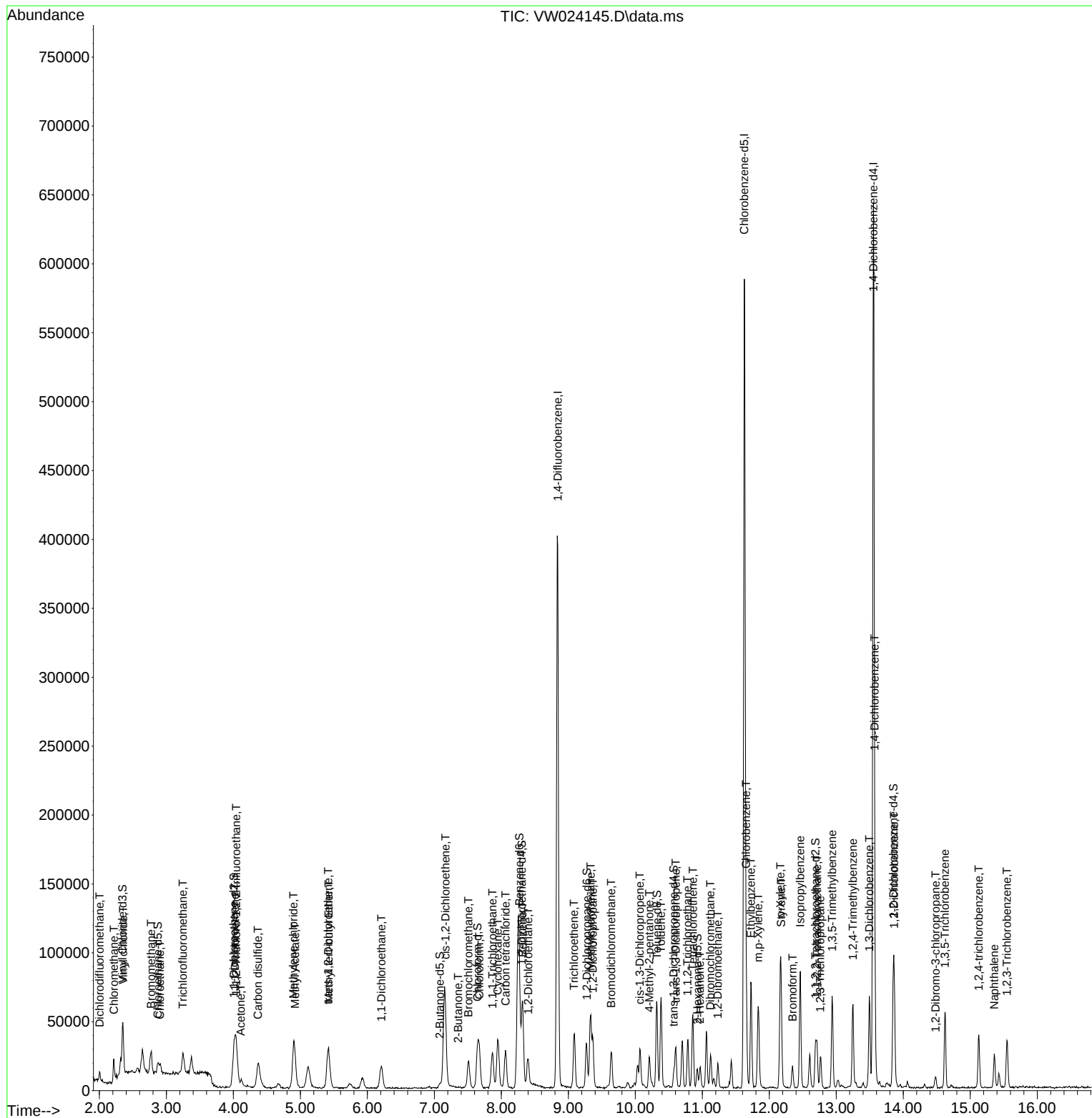
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.780	97	10322	2.616	ug/L	93
46) Tetrachloroethene	10.860	164	11676	2.669	ug/L	89
48) 2-Hexanone	10.963	43	9428	4.731	ug/L	94
49) Dibromochloromethane	11.122	129	11620	2.416	ug/L	84
50) 1,2-Dibromoethane	11.232	107	10286	2.657	ug/L	83
51) Chlorobenzene	11.652	112	37950	2.649	ug/L	93
52) Ethylbenzene	11.725	91	50925	2.244	ug/L	97
53) m,p-Xylene	11.835	106	18194	2.088	ug/L	99
54) o-Xylene	12.164	106	17122	2.055	ug/L	99
55) Styrene	12.177	104	28690	1.983	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.713	83	12669	2.639	ug/L	97
59) Bromoform	12.347	173	6173	2.460	ug/L	95
60) Isopropylbenzene	12.463	105	43497	2.141	ug/L #	96
61) 1,2,3-Trichloropropane	12.762	75	9309	2.901	ug/L	96
62) 1,3,5-Trimethylbenzene	12.939	105	32137	1.932	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	31642	1.928	ug/L	100
64) 1,3-Dichlorobenzene	13.493	146	25638	2.500	ug/L	96
65) 1,4-Dichlorobenzene	13.573	146	28363	2.666	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	23762	2.540	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	2064	2.899	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.621	180	15523	2.278	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	11468	2.184	ug/L	95
71) Naphthalene	15.359	128	18389	1.817	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.548	180	11092	2.298	ug/L	97

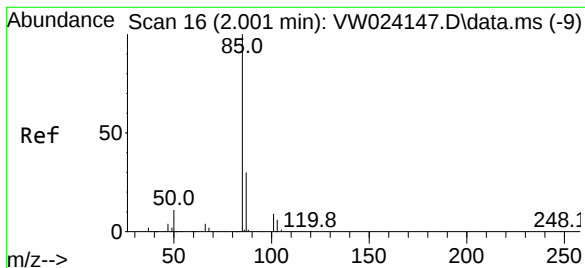
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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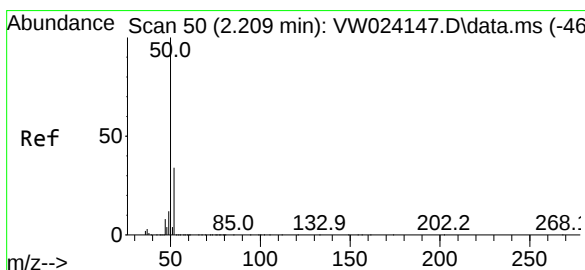
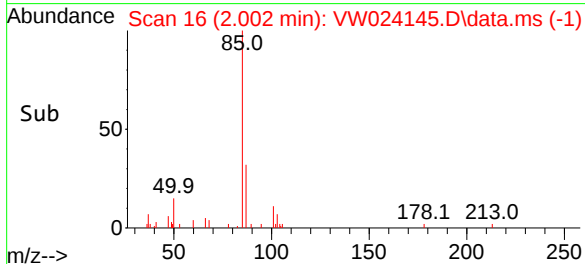
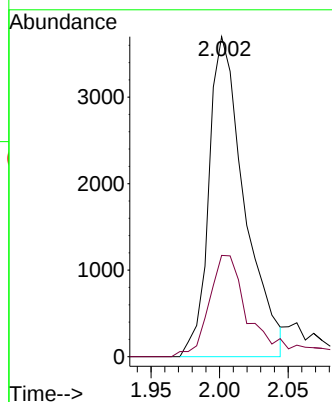
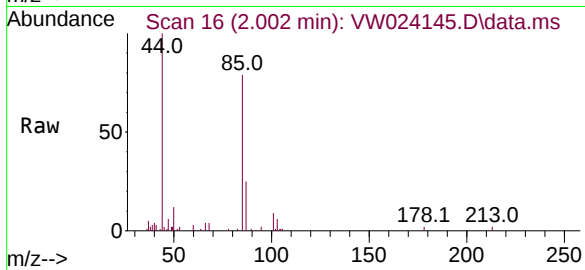




#2
 Dichlorodifluoromethane
 Concen: 2.477 ug/L
 RT: 2.002 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VW024145.D
 Acq: 03 Aug 2022 08:48

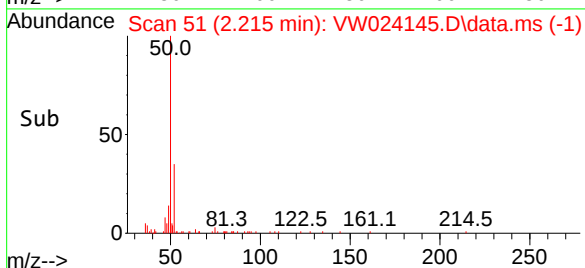
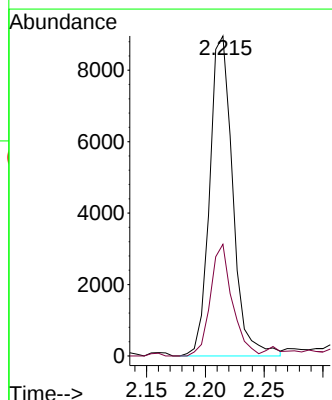
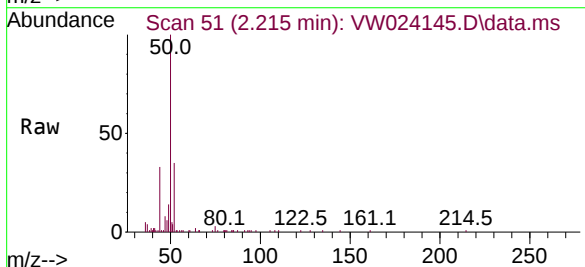
Instrument :
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 ClientSampleId :
 VSTD2.5401

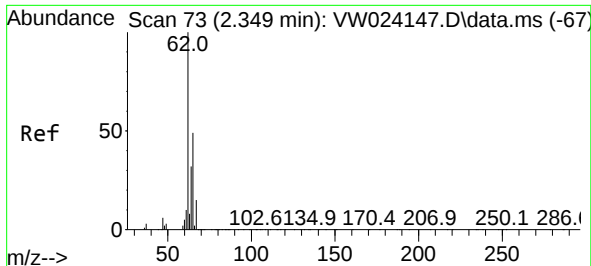
Tgt Ion: 85 Resp: 6684
 Ion Ratio Lower Upper
 85 100
 87 28.0 27.3 40.9



#3
 Chloromethane
 Concen: 2.314 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VW024145.D
 Acq: 03 Aug 2022 08:48

Tgt Ion: 50 Resp: 12250
 Ion Ratio Lower Upper
 50 100
 52 34.9 23.7 43.9

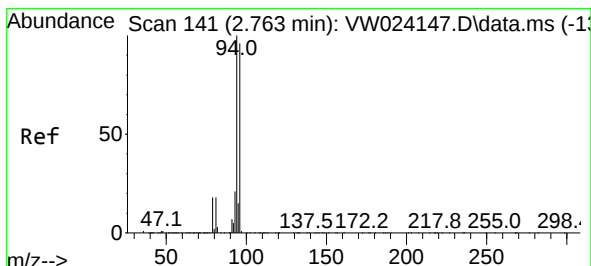
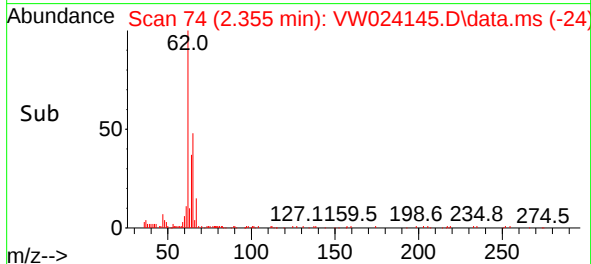
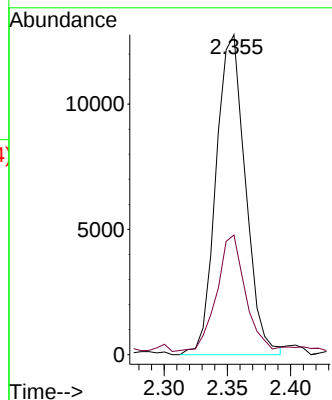
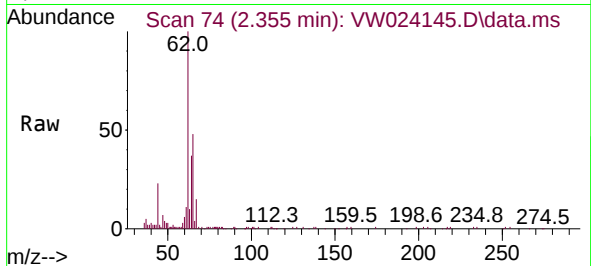




#5
 Vinyl chloride
 Concen: 2.561 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. 0.006 min
 Lab File: VW024145.D
 Acq: 03 Aug 2022 08:48

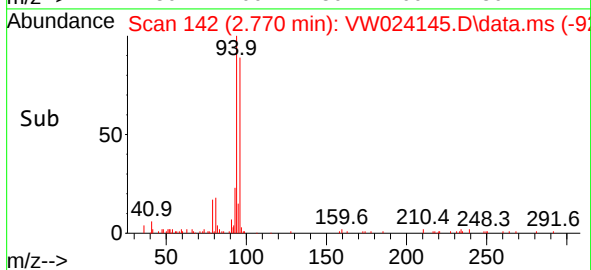
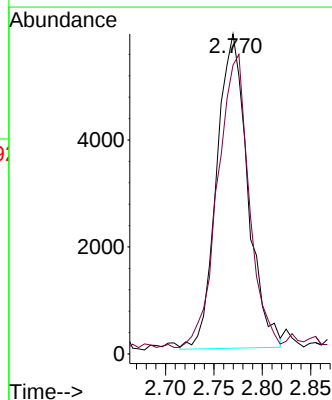
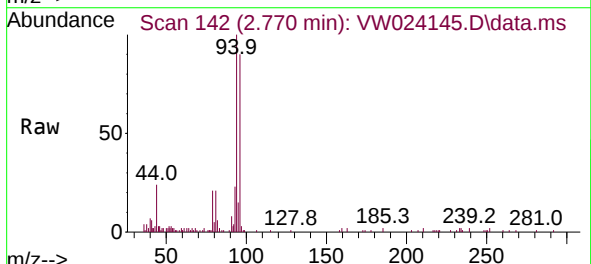
Instrument :
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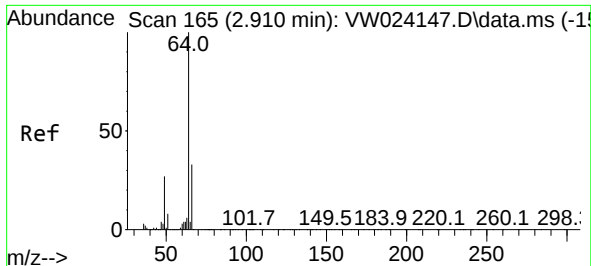
Tgt Ion: 62 Resp: 20649
 Ion Ratio Lower Upper
 62 100
 64 37.4 22.7 42.3



#6
 Bromomethane
 Concen: 2.759 ug/L
 RT: 2.770 min Scan# 142
 Delta R.T. 0.006 min
 Lab File: VW024145.D
 Acq: 03 Aug 2022 08:48

Tgt Ion: 94 Resp: 13104
 Ion Ratio Lower Upper
 94 100
 96 90.3 67.0 124.4

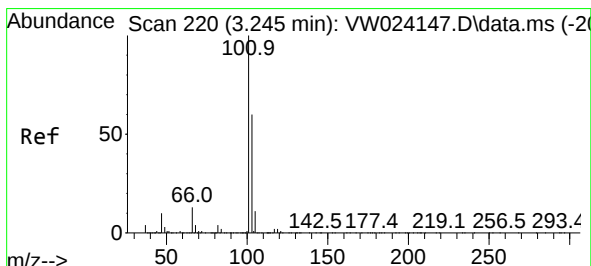
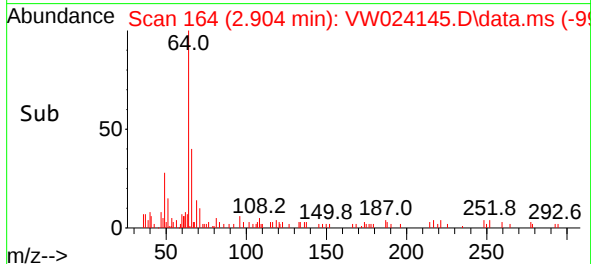
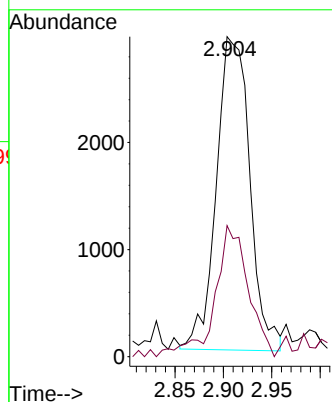
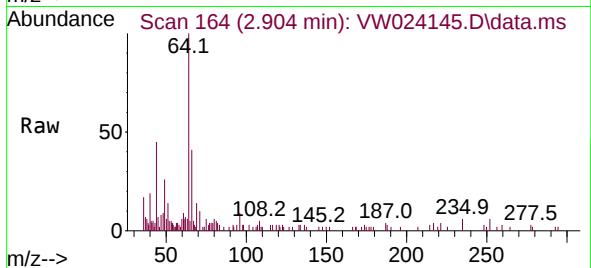




#8
Chloroethane
Concen: 2.036 ug/L
RT: 2.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

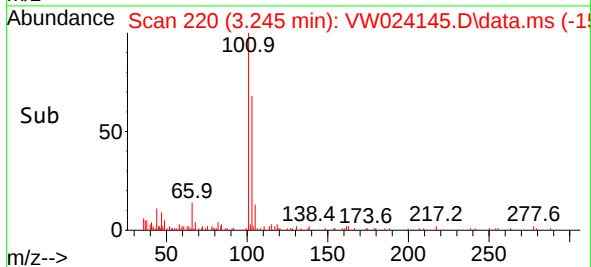
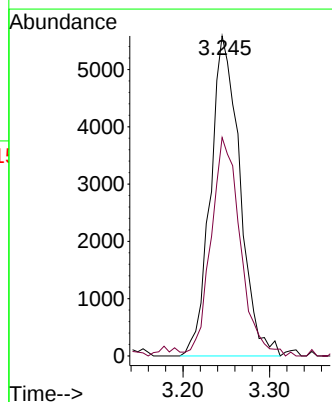
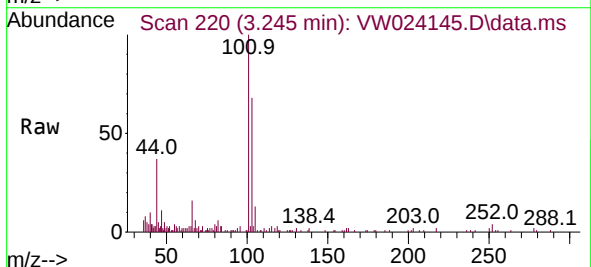
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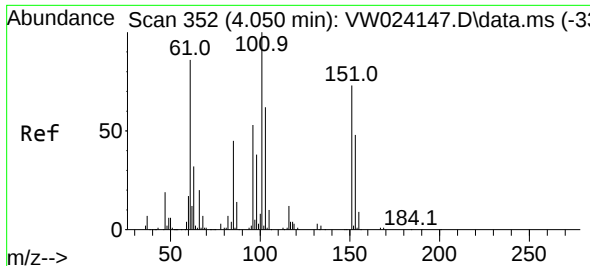
Tgt Ion: 64 Resp: 7041
Ion Ratio Lower Upper
64 100
66 41.0 23.3 43.3



#9
Trichlorofluoromethane
Concen: 2.868 ug/L
RT: 3.245 min Scan# 220
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 101 Resp: 13174
Ion Ratio Lower Upper
101 100
103 67.3 52.2 78.2

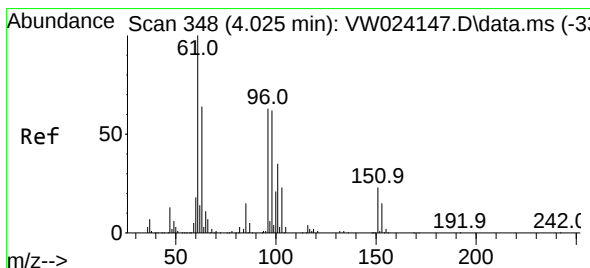
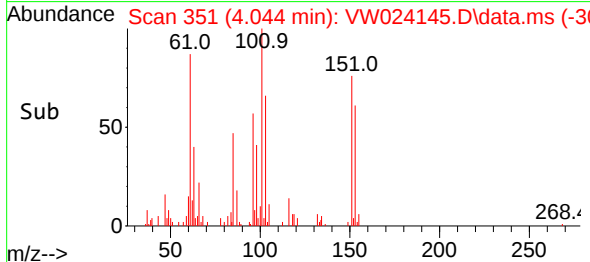
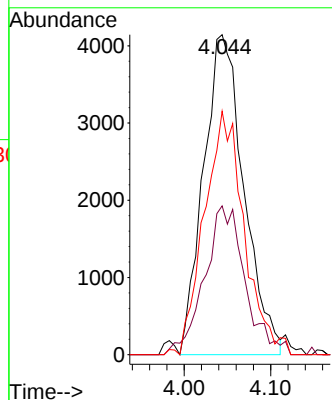
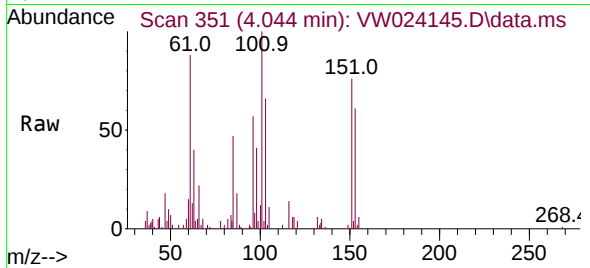




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.593 ug/L
RT: 4.044 min Scan# 351
Delta R.T. -0.006 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

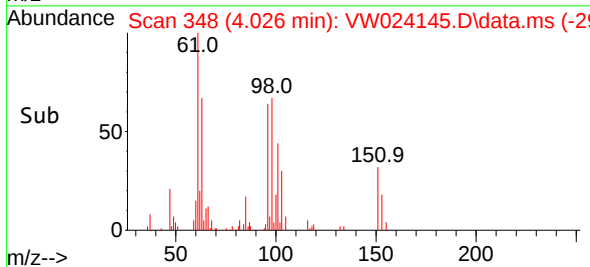
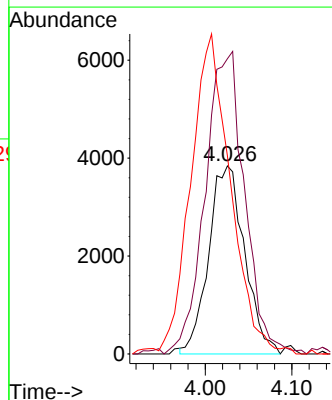
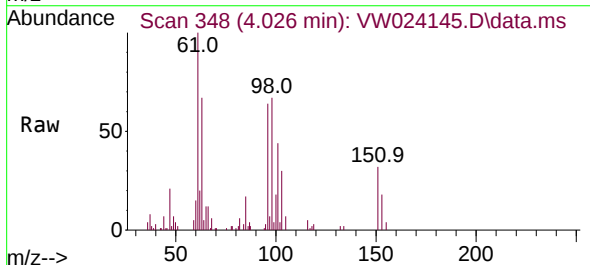
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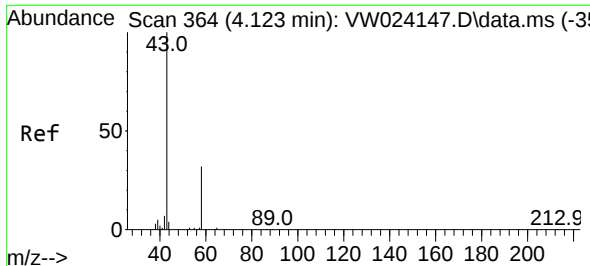
Tgt Ion:101 Resp: 13445
Ion Ratio Lower Upper
101 100
85 27.7 35.6 53.4#
151 73.4 57.6 86.4



#12
1,1-Dichloroethene
Concen: 2.529 ug/L
RT: 4.026 min Scan# 348
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 96 Resp: 11070
Ion Ratio Lower Upper
96 100
61 157.1 112.0 208.0
63 105.5 73.1 135.7

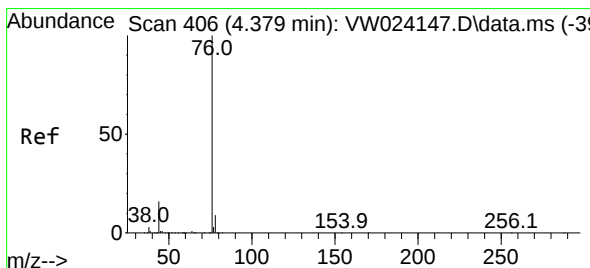
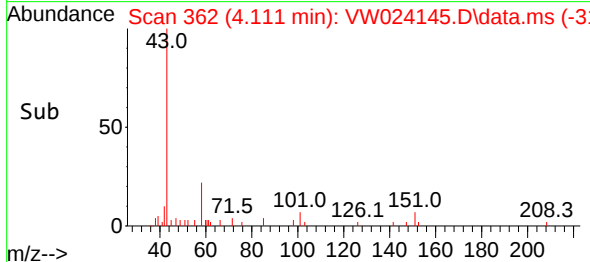
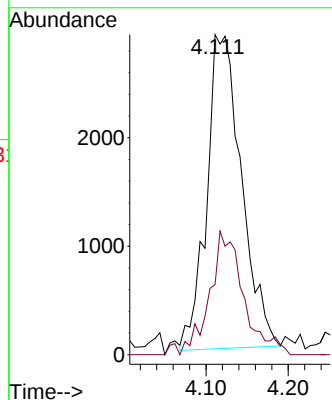
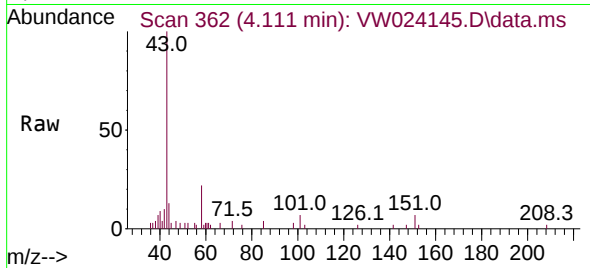




#13
Acetone
Concen: 9.155 ug/L
RT: 4.111 min Scan# 30
Delta R.T. -0.012 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

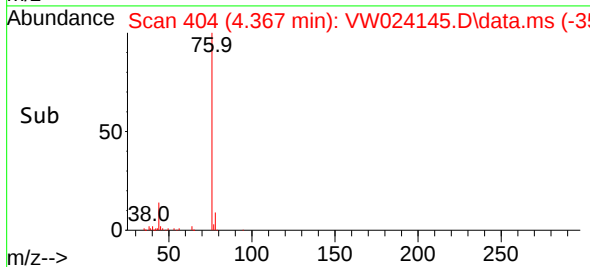
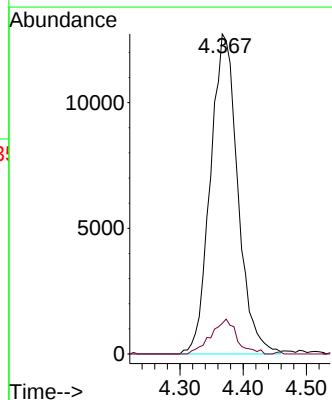
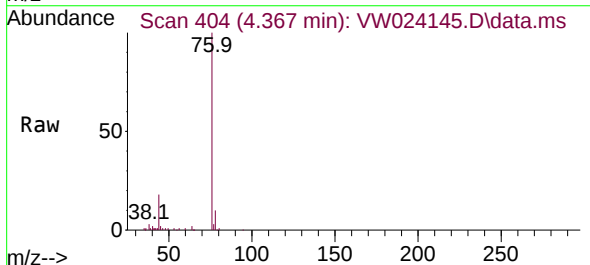
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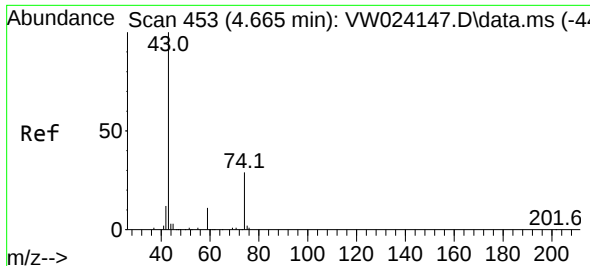
Tgt Ion: 43 Resp: 8514
Ion Ratio Lower Upper
43 100
58 19.0 0.0 66.0



#14
Carbon disulfide
Concen: 2.708 ug/L
RT: 4.367 min Scan# 404
Delta R.T. -0.012 min
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Tgt Ion: 76 Resp: 38394
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9

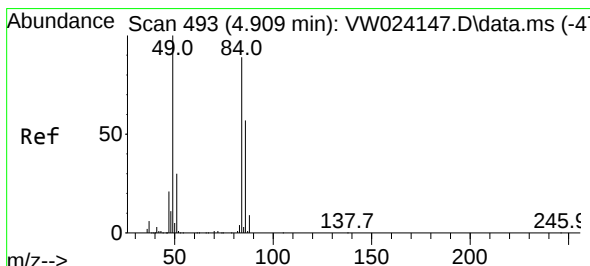
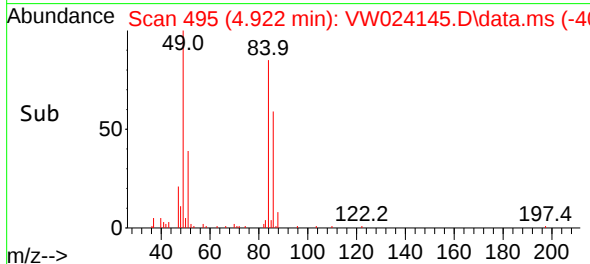
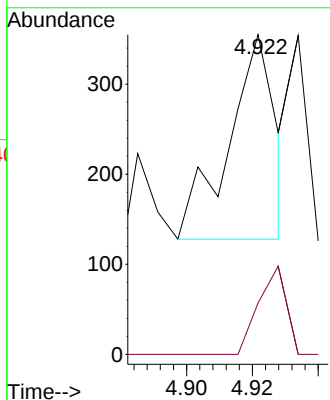
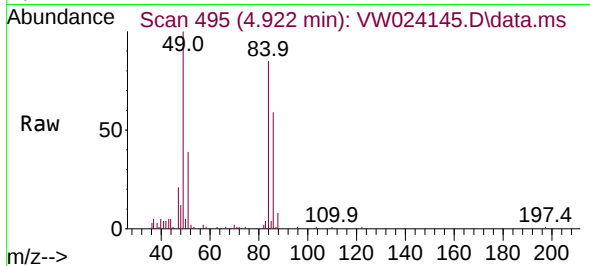




#15
Methyl Acetate
Concen: 0.112 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.256 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

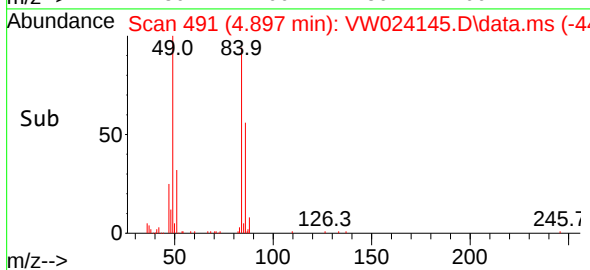
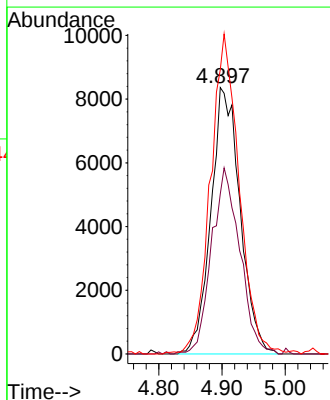
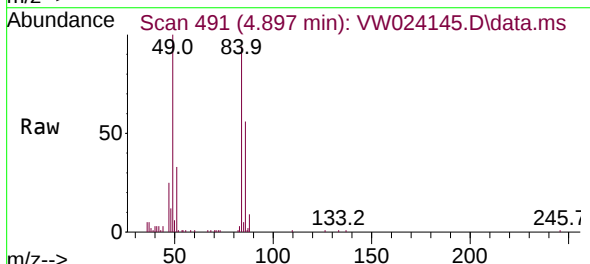
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

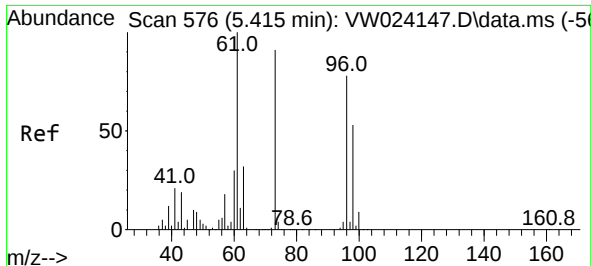
Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
74 25.2 21.6 32.4



#16
Methylene chloride
Concen: 4.122 ug/L
RT: 4.897 min Scan# 491
Delta R.T. -0.012 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 84 Resp: 26824
Ion Ratio Lower Upper
84 100
86 60.1 44.7 83.1
49 106.7 78.6 146.0

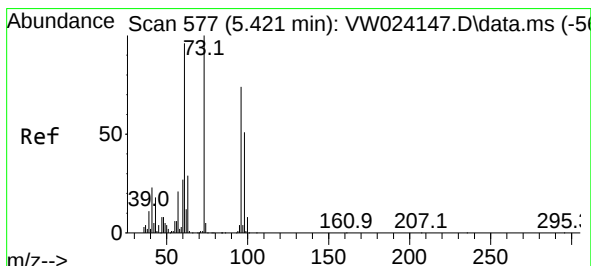
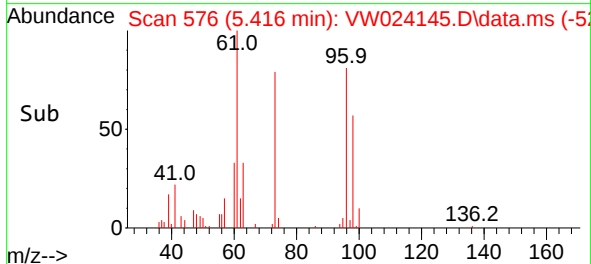
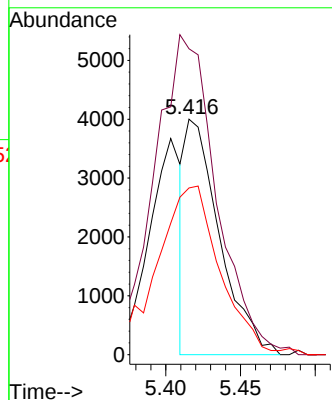
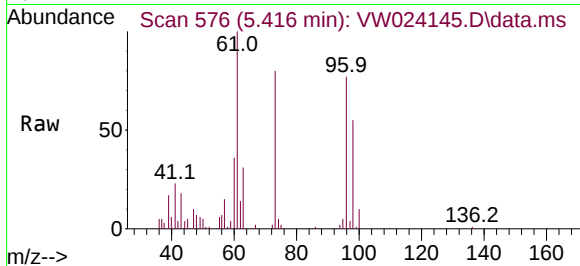




#17
trans-1,2-Dichloroethene
Concen: 1.289 ug/L
RT: 5.416 min Scan# 576
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

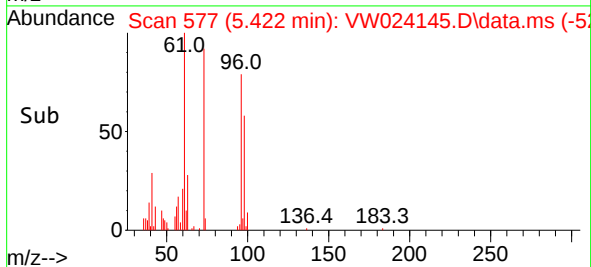
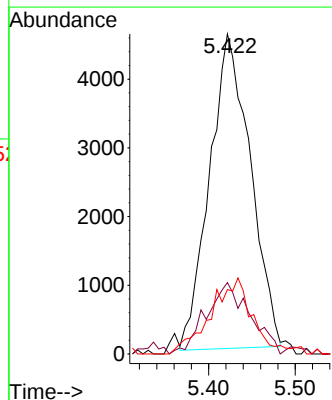
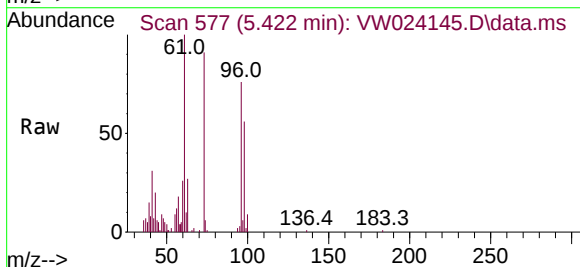
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

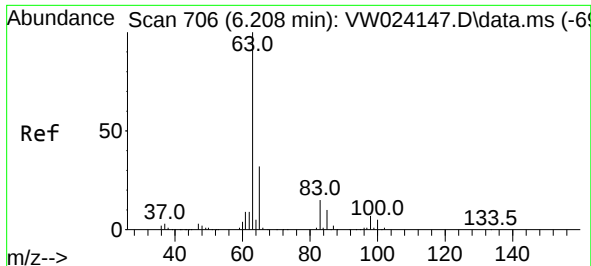
Tgt Ion: 96 Resp: 6347
Ion Ratio Lower Upper
96 100
61 129.9 90.2 167.6
98 70.8 47.4 88.0



#18
Methyl tert-butyl Ether
Concen: 2.231 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 73 Resp: 14978
Ion Ratio Lower Upper
73 100
43 19.7 16.6 25.0
57 9.7 16.6 25.0#





#19

1,1-Dichloroethane

Concen: 2.585 ug/L

RT: 6.208 min Scan# 706

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

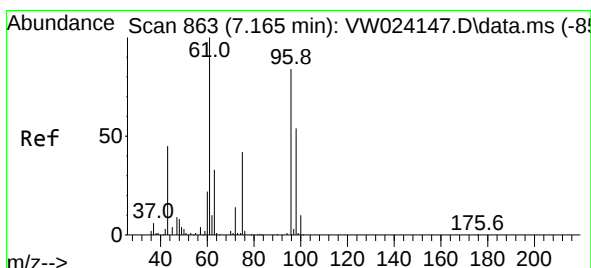
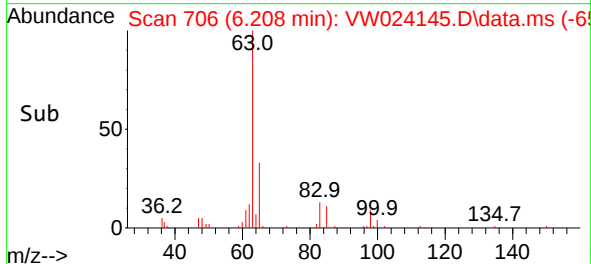
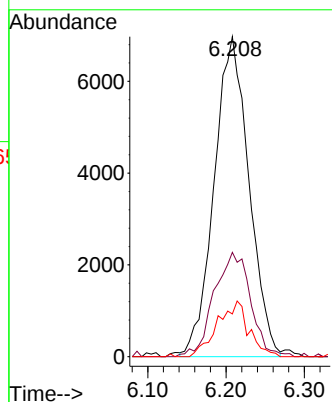
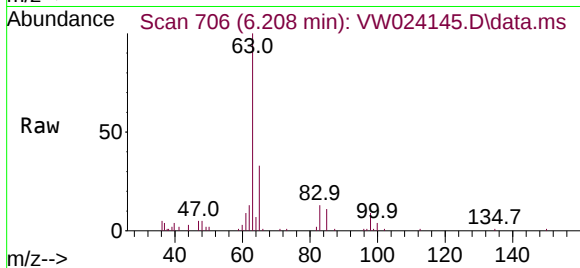
Tgt Ion: 63 Resp: 21536

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.3

83 13.3 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 2.332 ug/L

RT: 7.165 min Scan# 863

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

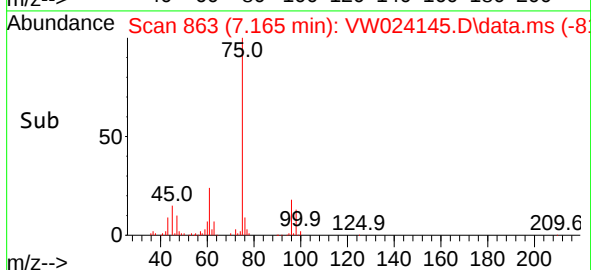
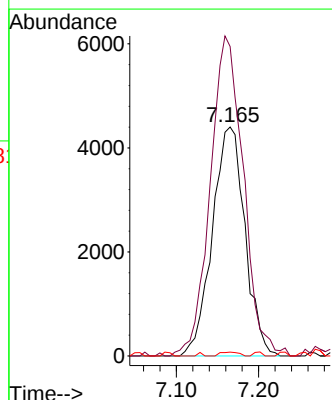
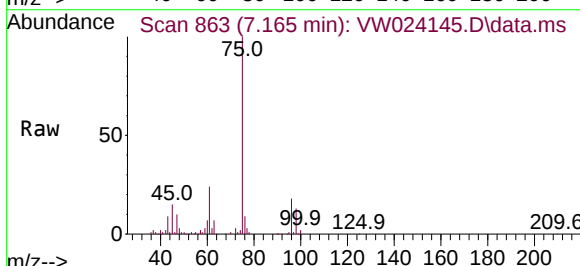
Tgt Ion: 96 Resp: 12139

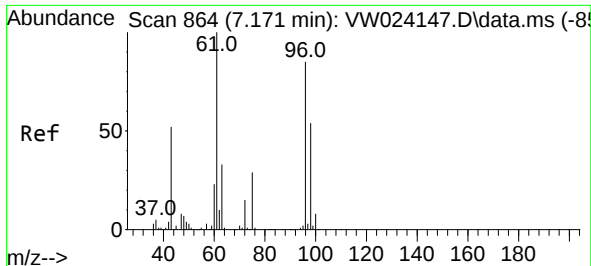
Ion Ratio Lower Upper

96 100

61 135.1 83.9 155.9

68 1.7 0.0 0.0#

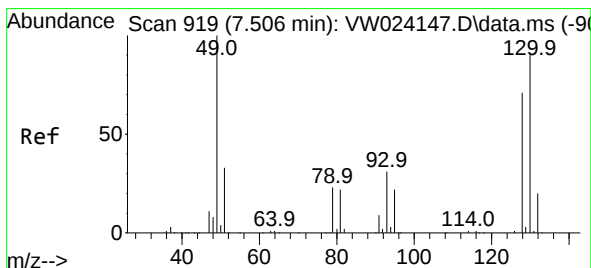
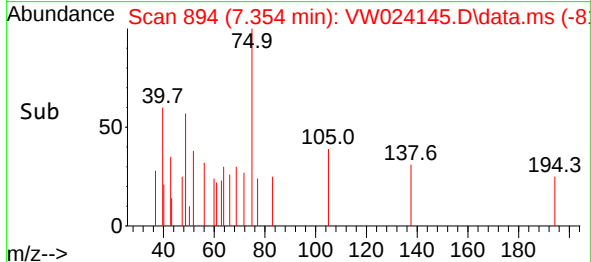
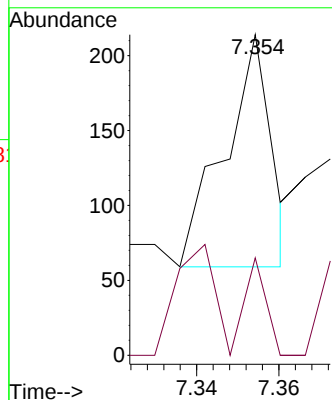
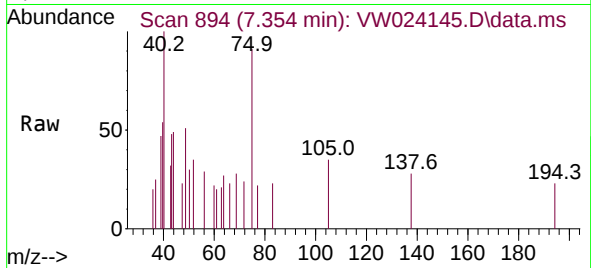




#22
2-Butanone
Concen: 0.083 ug/L
RT: 7.354 min Scan# 894
Delta R.T. 0.183 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

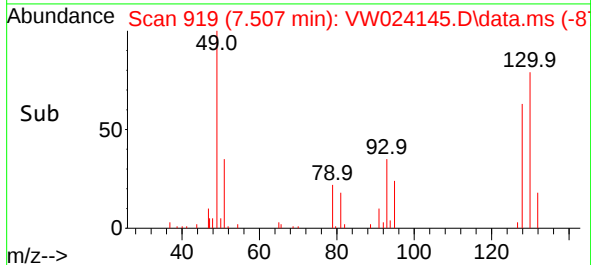
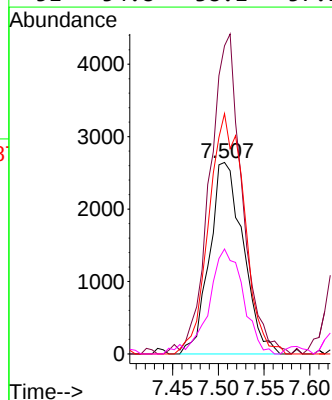
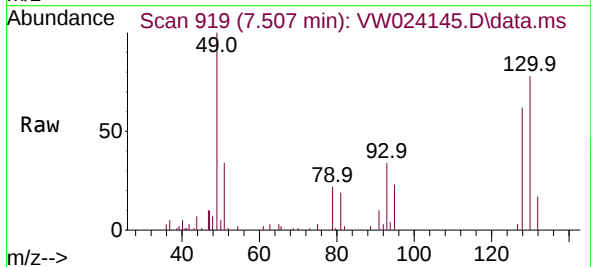
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

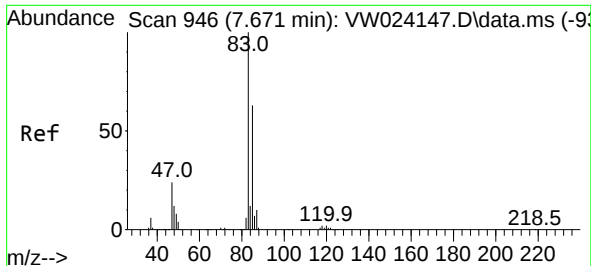
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
72 39.0 14.6 43.8



#23
Bromochloromethane
Concen: 2.571 ug/L
RT: 7.507 min Scan# 919
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 128 Resp: 6737
Ion Ratio Lower Upper
128 100
49 161.0 99.0 184.0
130 125.5 89.4 166.0
51 54.8 38.1 57.1

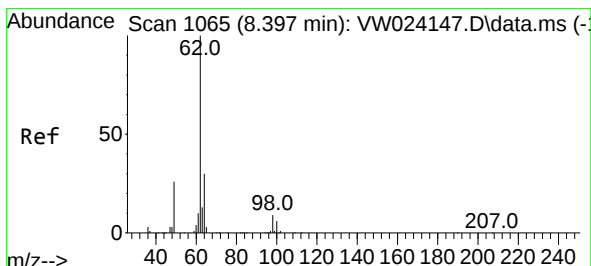
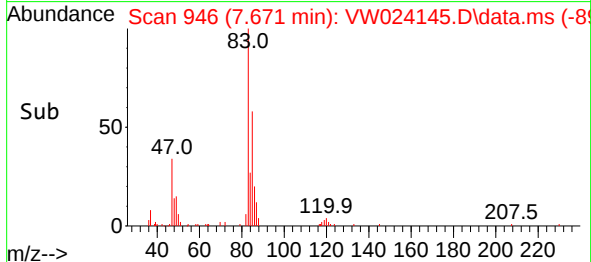
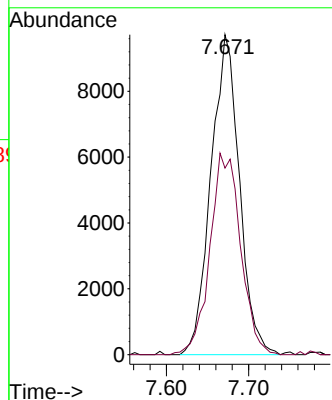
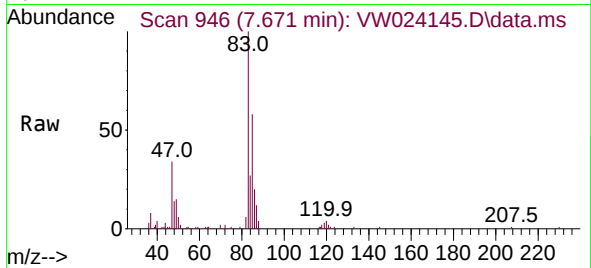




#25
Chloroform
Concen: 2.518 ug/L
RT: 7.671 min Scan# 946
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

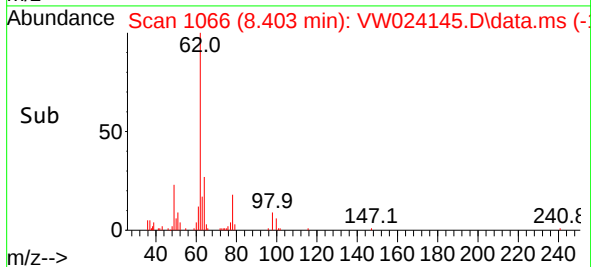
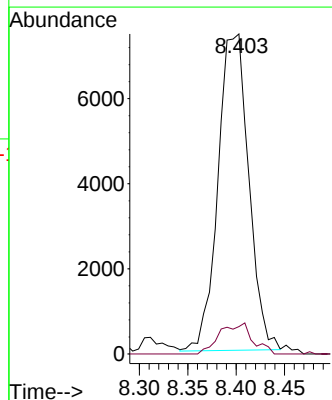
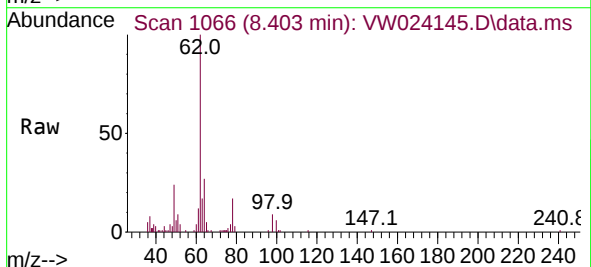
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

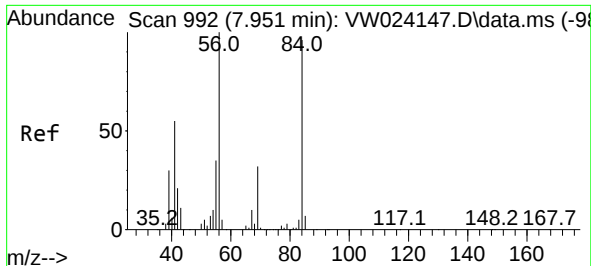
Tgt Ion: 83 Resp: 23360
Ion Ratio Lower Upper
83 100
85 58.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 2.687 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 62 Resp: 16437
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.0





#29

Cyclohexane

Concen: 2.175 ug/L

RT: 7.946 min Scan# 991

Delta R.T. -0.006 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

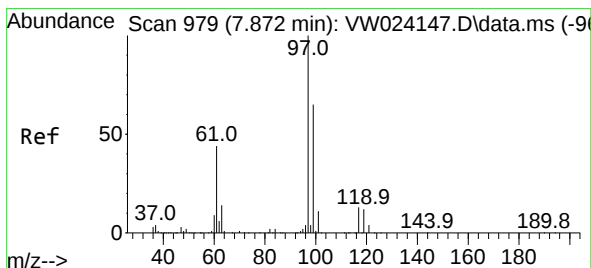
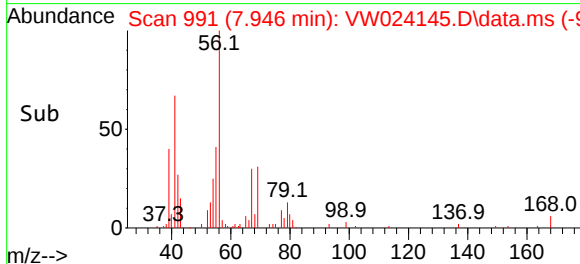
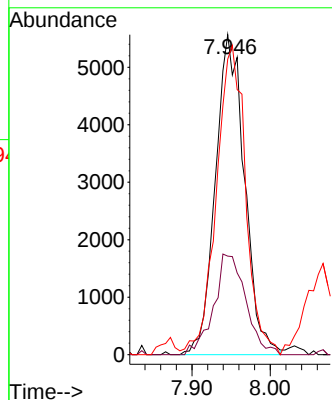
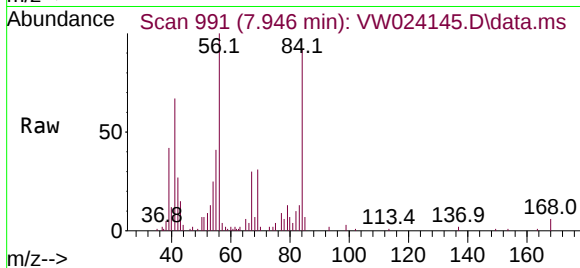
Tgt Ion: 56 Resp: 14388

Ion Ratio Lower Upper

56 100

69 33.8 25.1 37.7

84 96.9 77.4 116.2



#30

1,1,1-Trichloroethane

Concen: 2.615 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.006 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

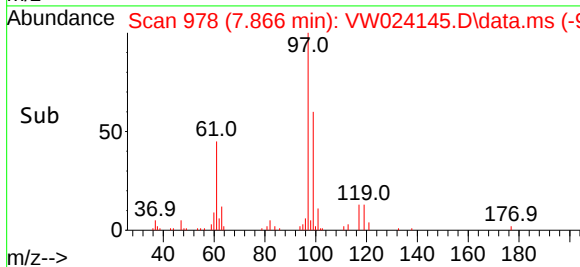
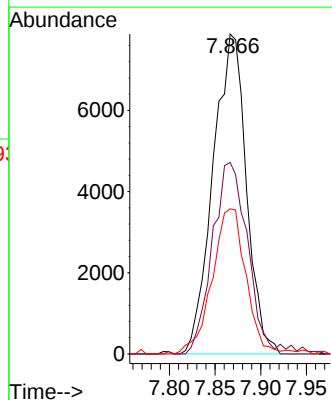
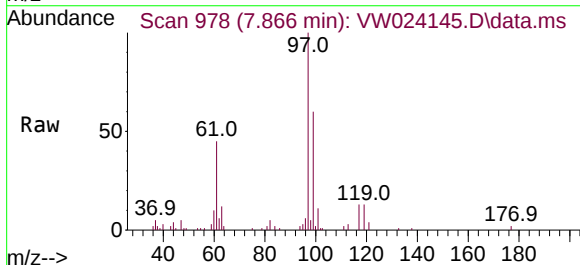
Tgt Ion: 97 Resp: 19973

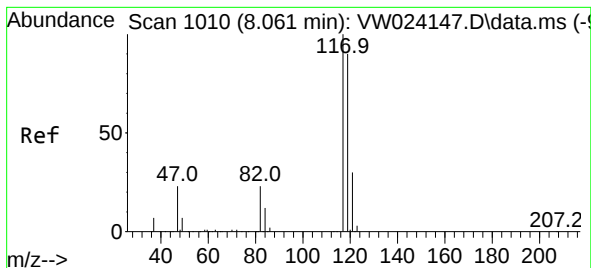
Ion Ratio Lower Upper

97 100

99 62.5 50.9 76.3

61 45.8 35.0 52.6





#31

Carbon tetrachloride

Concen: 2.588 ug/L

RT: 8.061 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

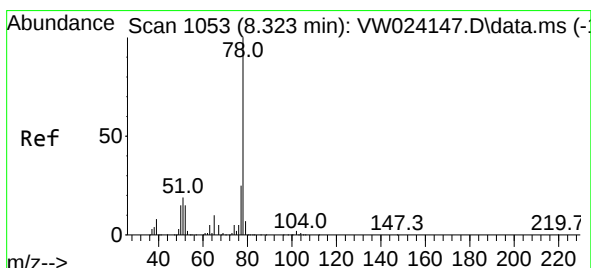
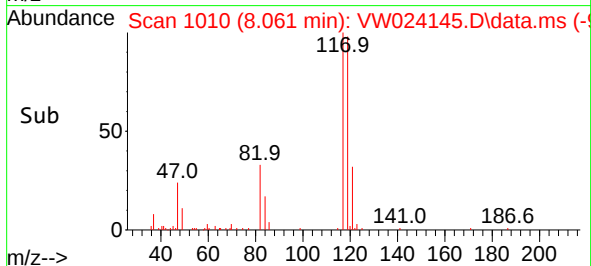
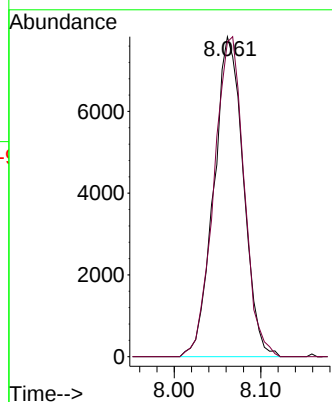
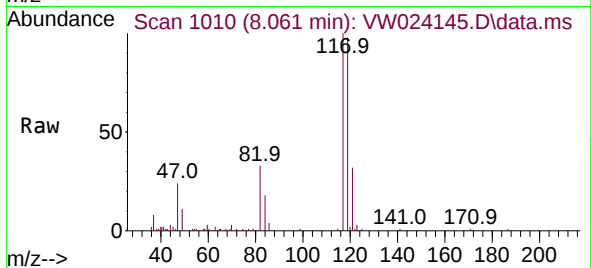
VSTD2.5401

Tgt Ion:117 Resp: 18528

Ion Ratio Lower Upper

117 100

119 101.7 77.3 115.9



#33

Benzene

Concen: 2.640 ug/L

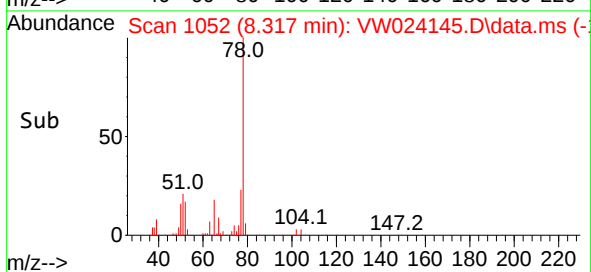
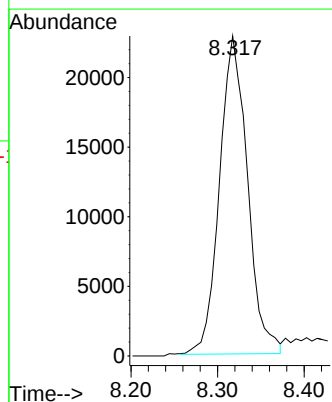
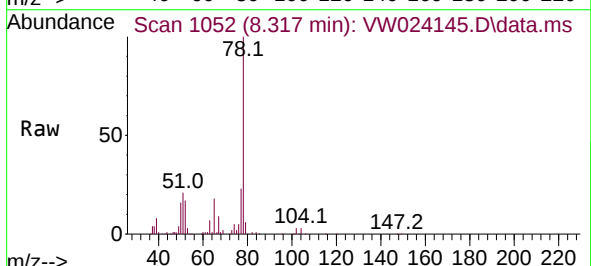
RT: 8.317 min Scan# 1052

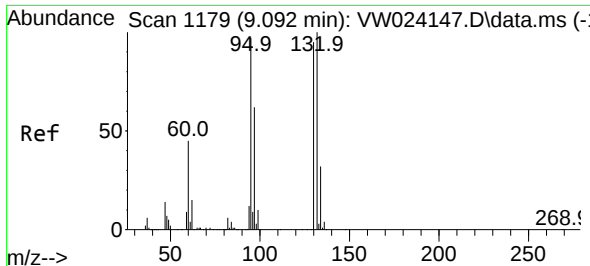
Delta R.T. -0.006 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Tgt Ion: 78 Resp: 51216

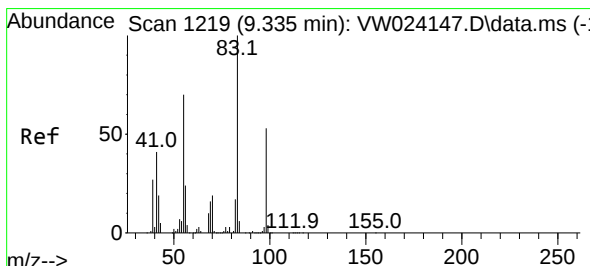
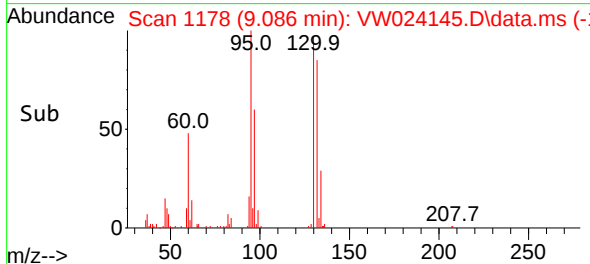
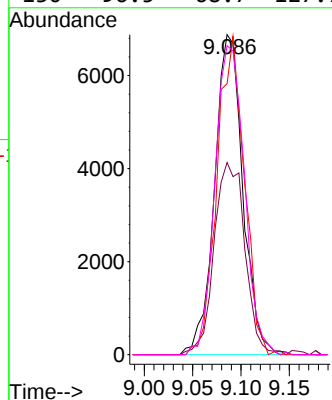
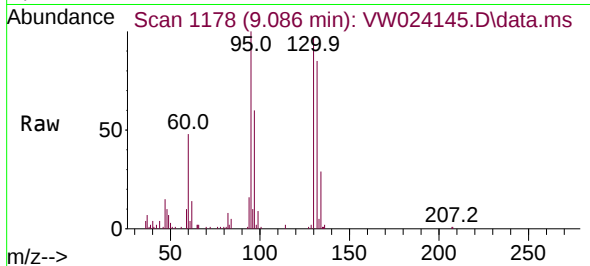




#34
Trichloroethene
Concen: 2.698 ug/L
RT: 9.086 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

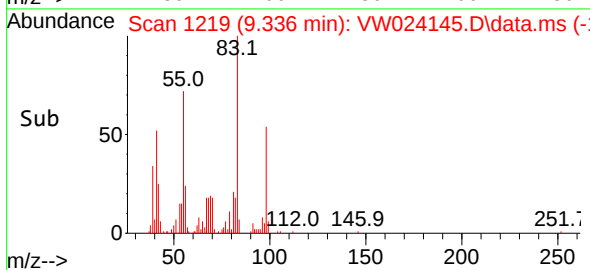
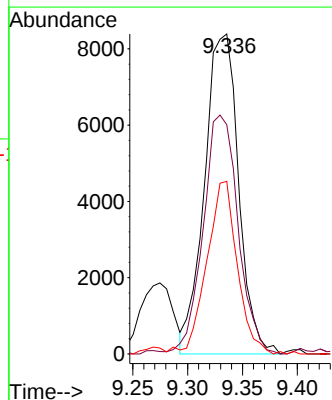
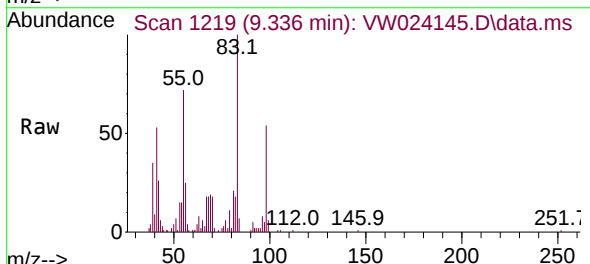
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

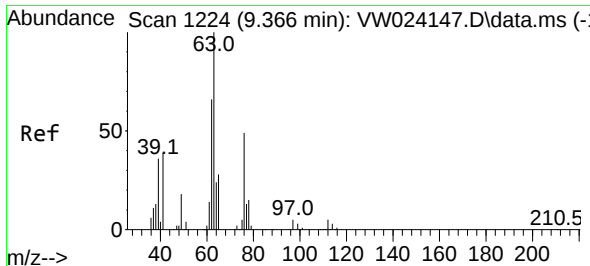
Tgt Ion:	95	Resp:	14007
Ion	Ratio	Lower	Upper
95	100		
97	60.1	44.9	83.3
132	84.7	72.4	134.5
130	96.5	68.7	127.7



#35
Methylcyclohexane
Concen: 2.215 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion:	83	Resp:	18168
Ion	Ratio	Lower	Upper
83	100		
55	76.5	56.7	85.1
98	47.6	40.8	61.2





#37

1,2-Dichloropropane

Concen: 2.638 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

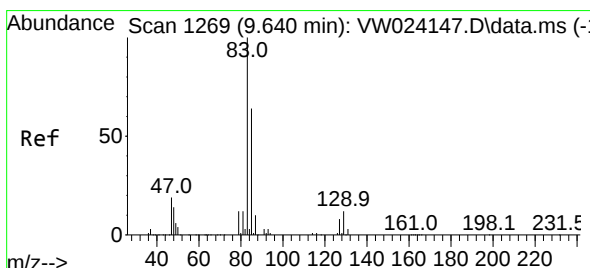
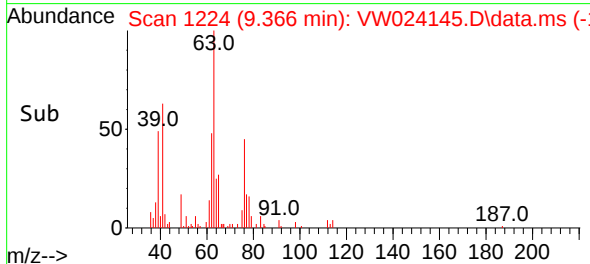
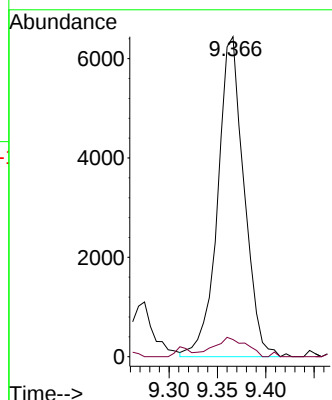
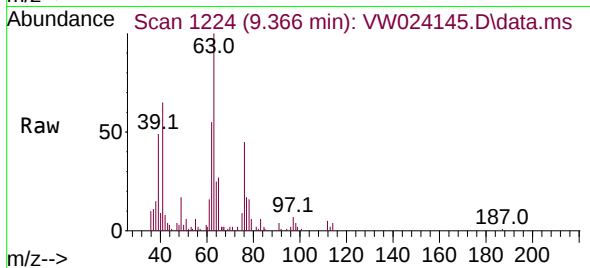
VSTD2.5401

Tgt Ion: 63 Resp: 12177

Ion Ratio Lower Upper

63 100

112 7.4 4.0 6.0#



#38

Bromodichloromethane

Concen: 2.616 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

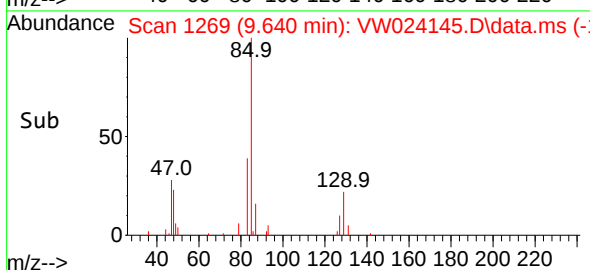
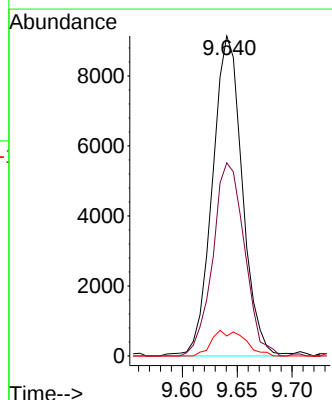
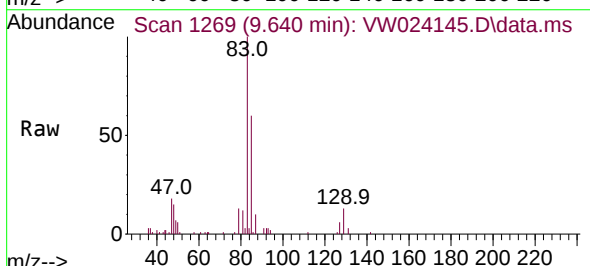
Tgt Ion: 83 Resp: 17255

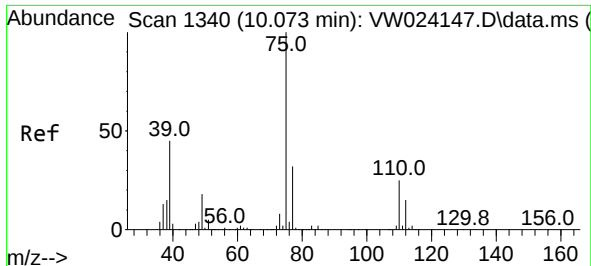
Ion Ratio Lower Upper

83 100

85 60.4 44.7 83.1

127 6.3 6.6 9.8#

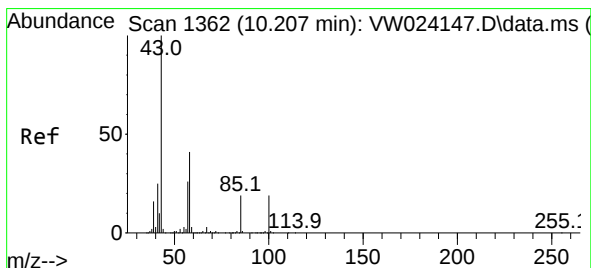
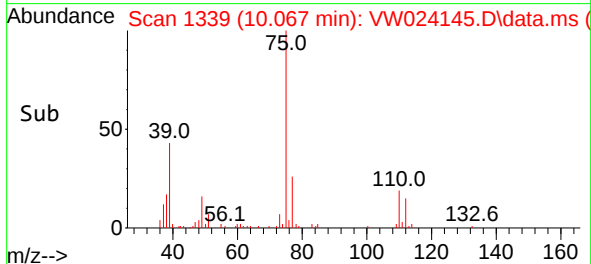
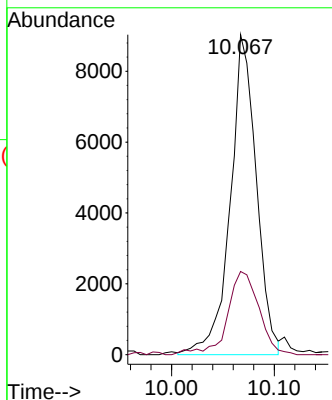
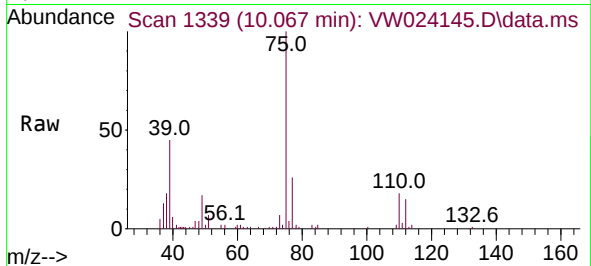




#39
 cis-1,3-Dichloropropene
 Concen: 2.285 ug/L
 RT: 10.067 min Scan# 1339
 Delta R.T. -0.006 min
 Lab File: VW024145.D
 Acq: 03 Aug 2022 08:48

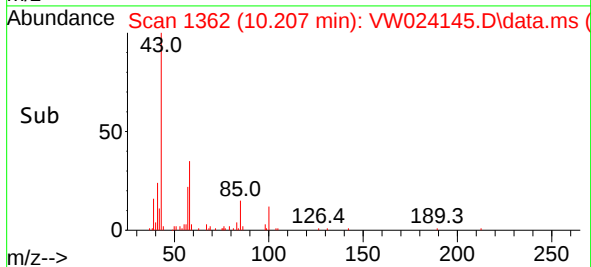
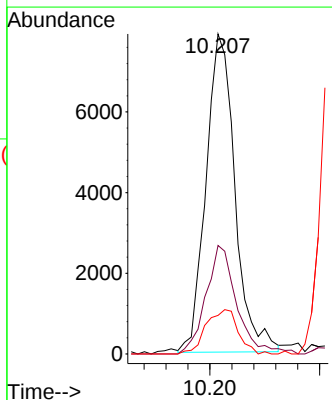
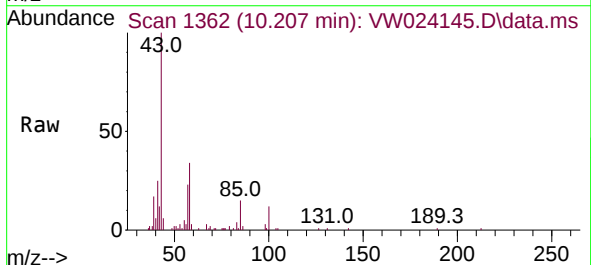
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5401

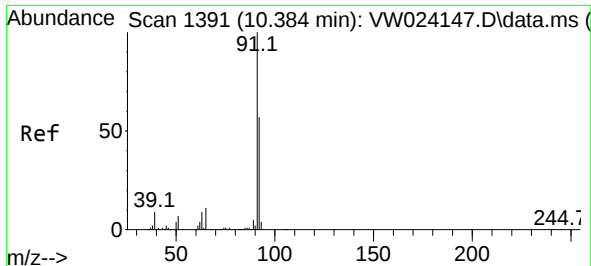
Tgt Ion: 75 Resp: 15954
 Ion Ratio Lower Upper
 75 100
 77 26.0 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 5.014 ug/L
 RT: 10.207 min Scan# 1362
 Delta R.T. 0.000 min
 Lab File: VW024145.D
 Acq: 03 Aug 2022 08:48

Tgt Ion: 43 Resp: 14496
 Ion Ratio Lower Upper
 43 100
 58 36.2 31.9 47.9
 100 15.3 14.4 21.6

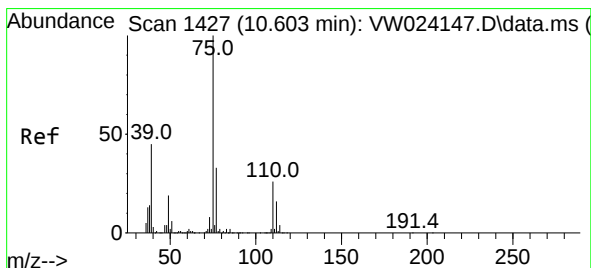
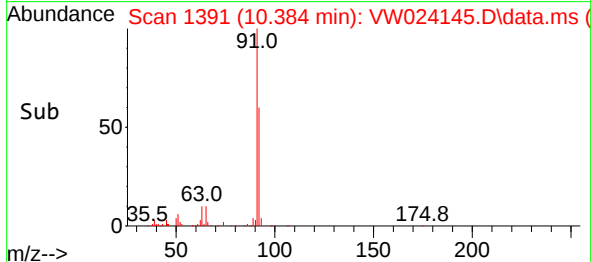
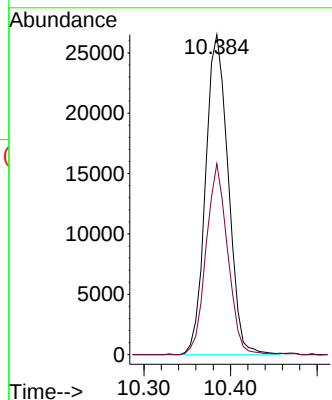
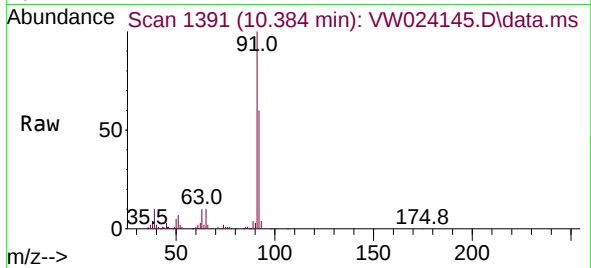




#42
Toluene
Concen: 2.328 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

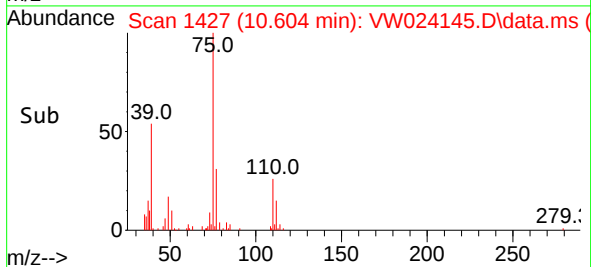
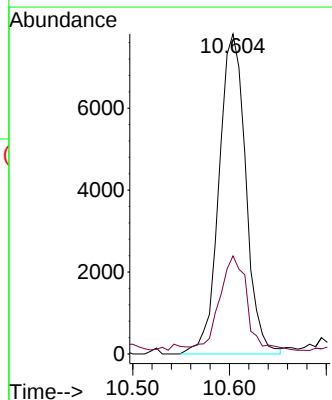
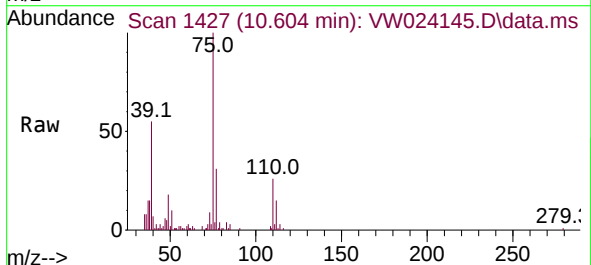
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

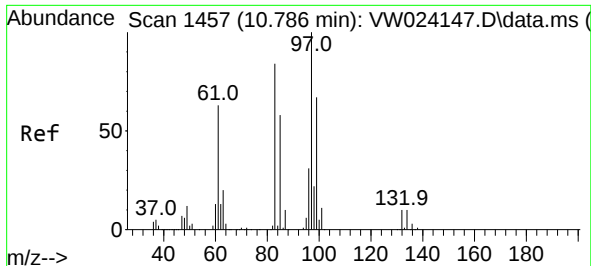
Tgt Ion: 91 Resp: 48219
Ion Ratio Lower Upper
91 100
92 59.7 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 2.346 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 75 Resp: 14987
Ion Ratio Lower Upper
75 100
77 30.6 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 2.616 ug/L

RT: 10.780 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

Tgt Ion: 97 Resp: 10322

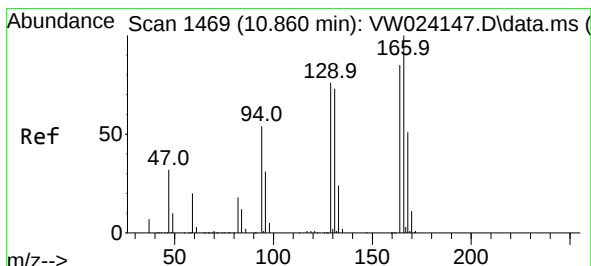
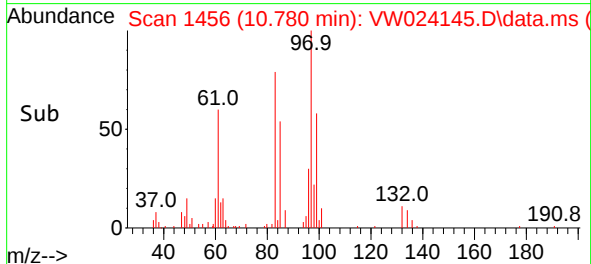
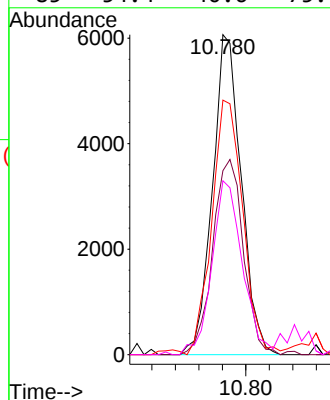
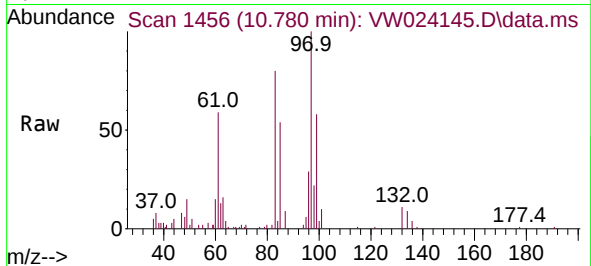
Ion Ratio Lower Upper

97 100

99 57.5 46.5 86.5

83 79.6 58.6 108.8

85 54.4 40.6 75.4



#46

Tetrachloroethene

Concen: 2.669 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Tgt Ion:164 Resp: 11676

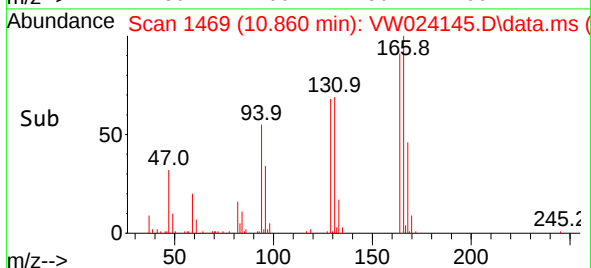
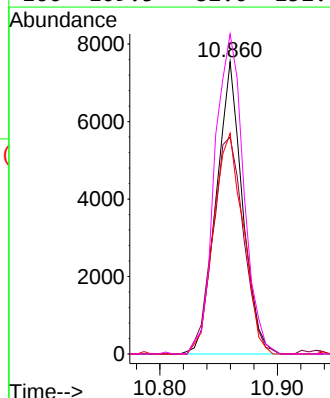
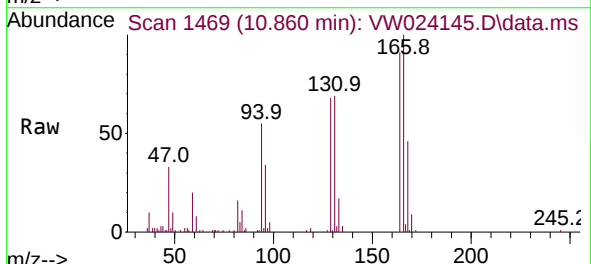
Ion Ratio Lower Upper

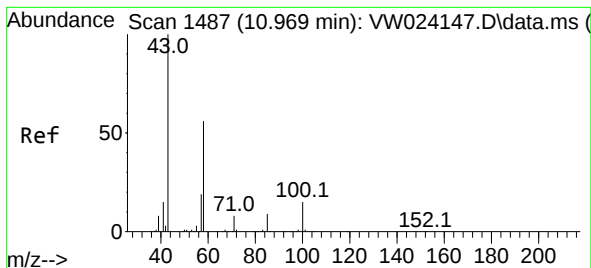
164 100

129 74.2 62.4 115.8

131 75.5 60.3 111.9

166 109.5 82.0 152.4





#48

2-Hexanone

Concen: 4.731 ug/L

RT: 10.963 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

Tgt Ion: 43 Resp: 9428

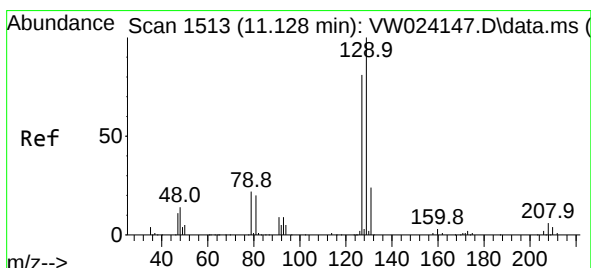
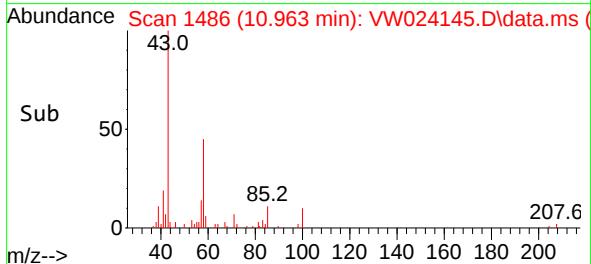
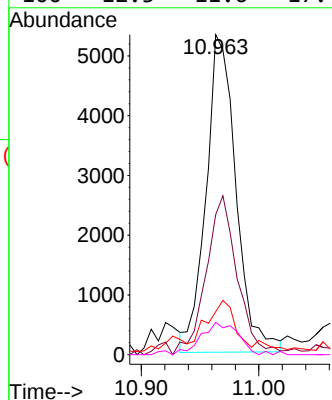
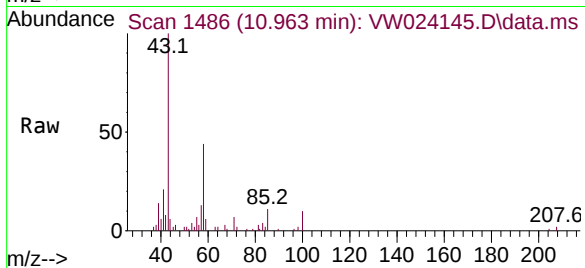
Ion Ratio Lower Upper

43 100

58 51.9 44.7 67.1

57 17.3 16.2 24.2

100 12.3 11.6 17.4



#49

Dibromochloromethane

Concen: 2.416 ug/L

RT: 11.122 min Scan# 1512

Delta R.T. -0.006 min

Lab File: VW024145.D

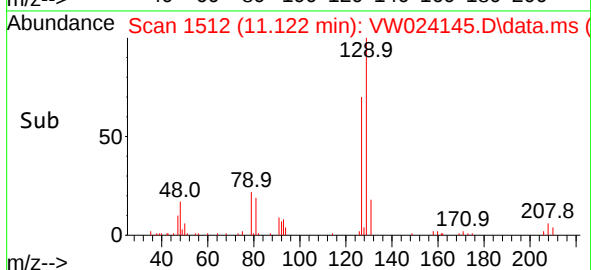
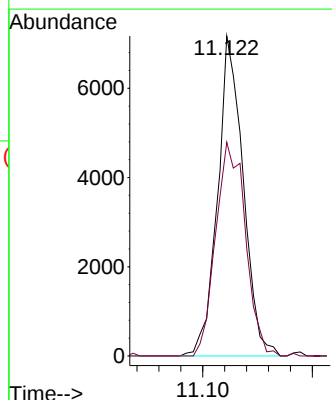
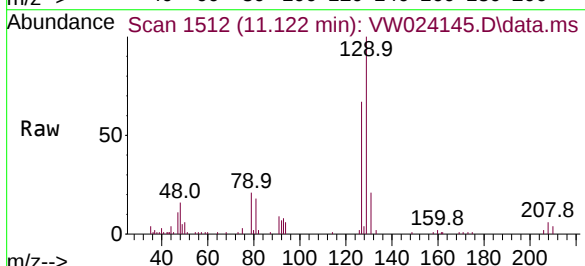
Acq: 03 Aug 2022 08:48

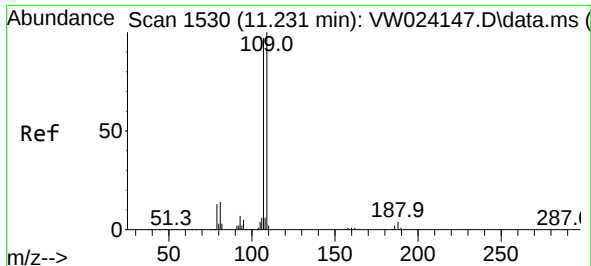
Tgt Ion: 129 Resp: 11620

Ion Ratio Lower Upper

129 100

127 66.8 56.5 104.9





#50

1,2-Dibromoethane

Concen: 2.657 ug/L

RT: 11.232 min Scan# 1530

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

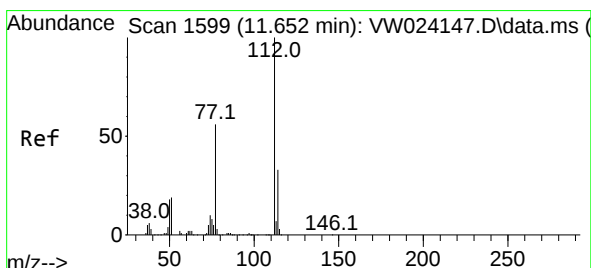
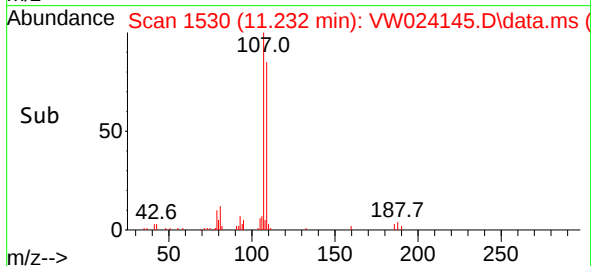
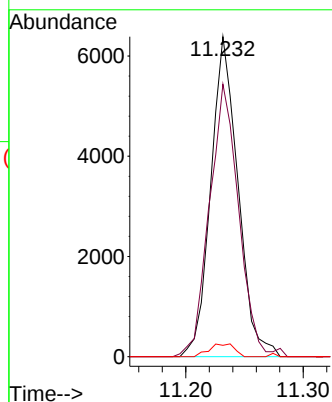
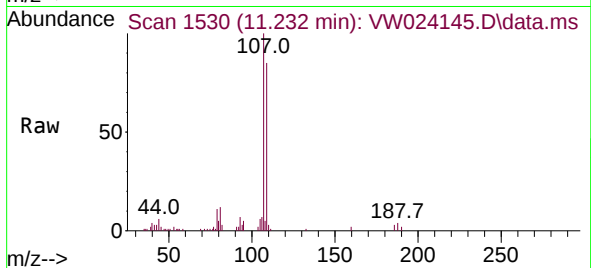
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

Tgt Ion:	107	Resp:	10286
Ion	Ratio	Lower	Upper
107	100		
109	85.1	72.1	133.9
188	3.5	3.0	4.4



#51

Chlorobenzene

Concen: 2.649 ug/L

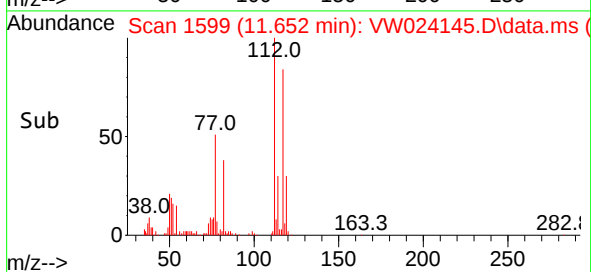
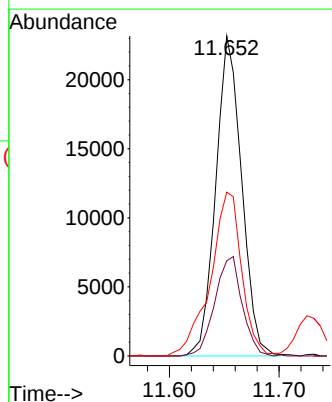
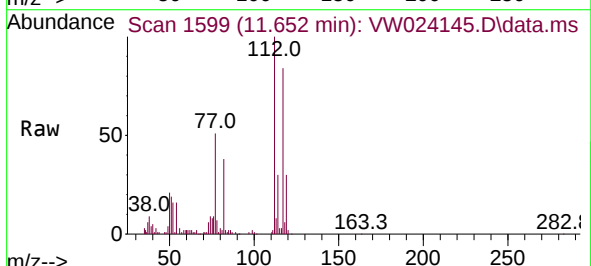
RT: 11.652 min Scan# 1599

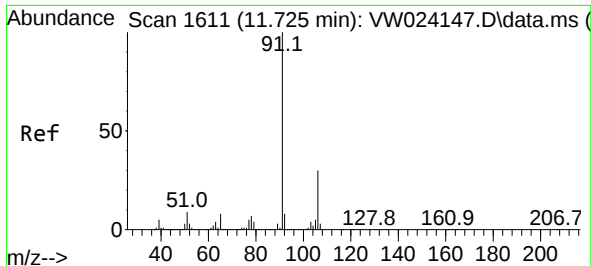
Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Tgt Ion:	112	Resp:	37950
Ion	Ratio	Lower	Upper
112	100		
114	29.7	23.4	43.4
77	51.2	45.0	67.6

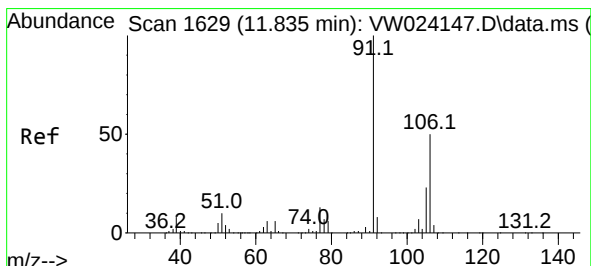
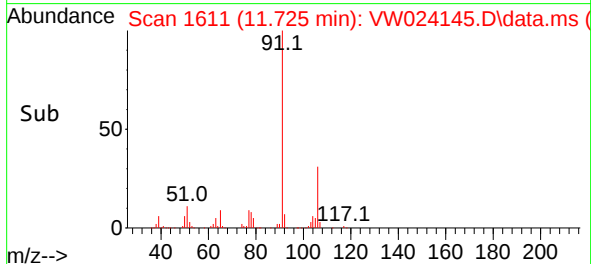
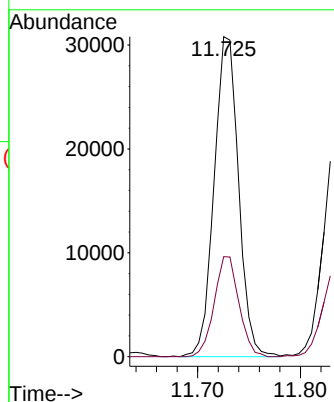
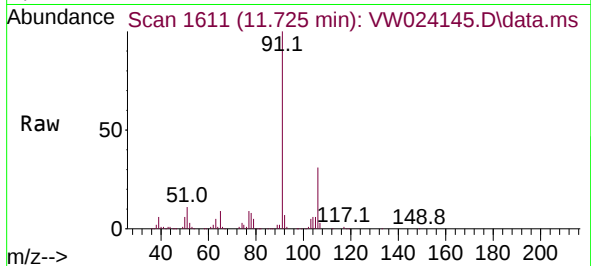




#52
Ethylbenzene
Concen: 2.244 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

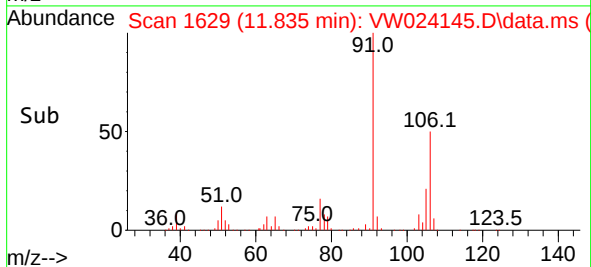
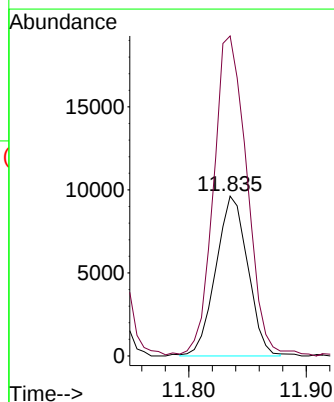
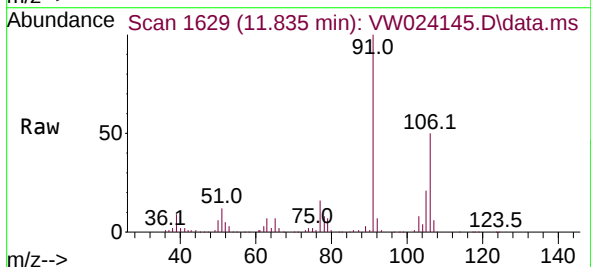
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

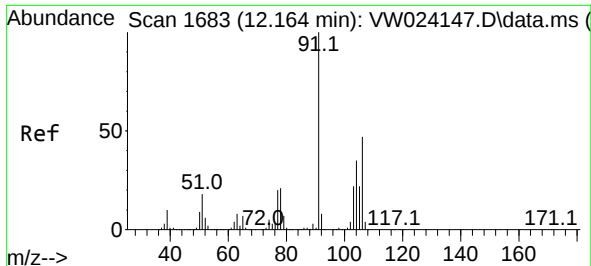
Tgt Ion: 91 Resp: 50925
Ion Ratio Lower Upper
91 100
106 31.3 20.7 38.5



#53
m,p-Xylene
Concen: 2.088 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion: 106 Resp: 18194
Ion Ratio Lower Upper
106 100
91 200.1 139.0 258.2

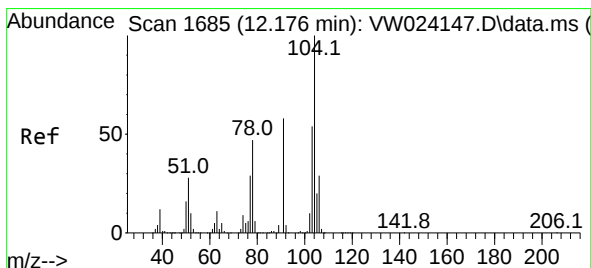
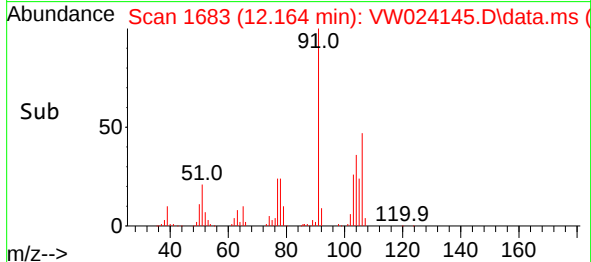
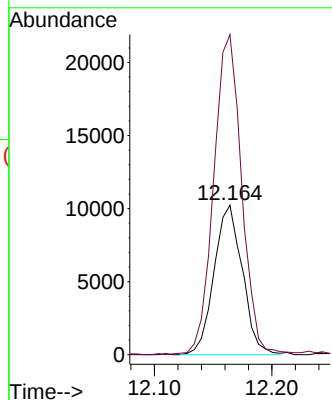
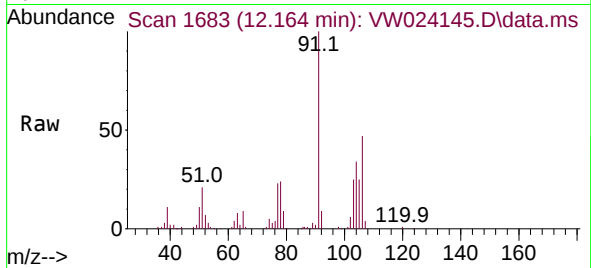




#54
o-Xylene
Concen: 2.055 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

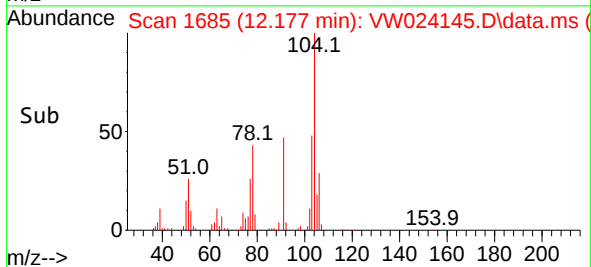
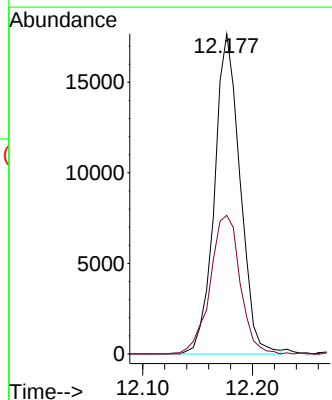
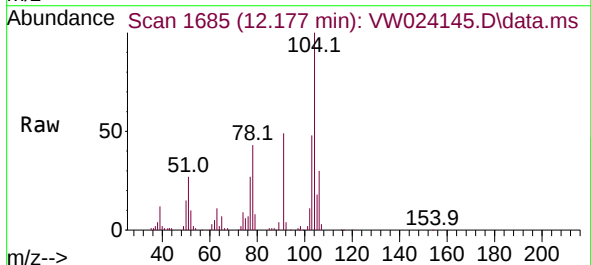
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

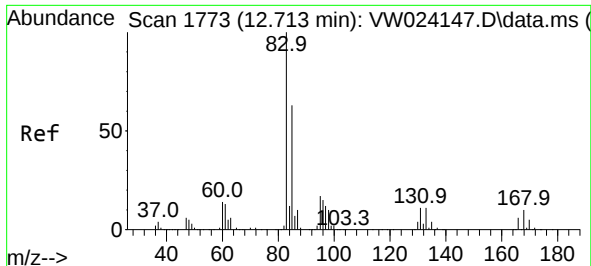
Tgt Ion:106 Resp: 17122
Ion Ratio Lower Upper
106 100
91 214.2 148.7 276.3



#55
Styrene
Concen: 1.983 ug/L
RT: 12.177 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion:104 Resp: 28690
Ion Ratio Lower Upper
104 100
78 43.3 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.639 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

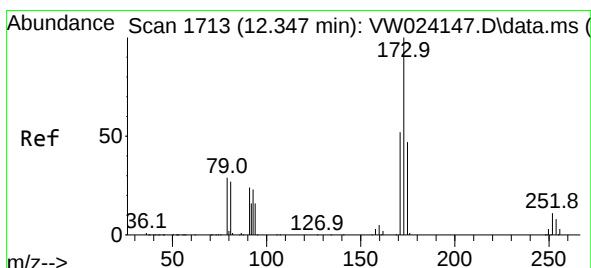
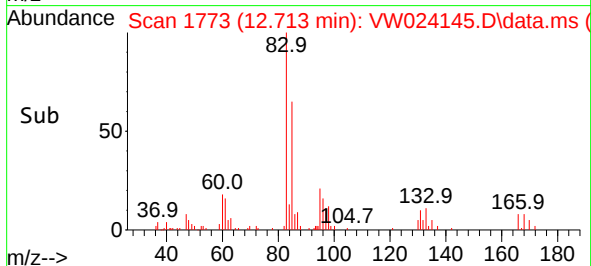
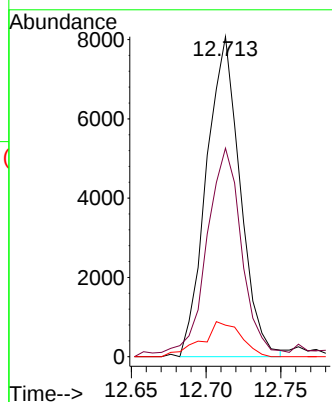
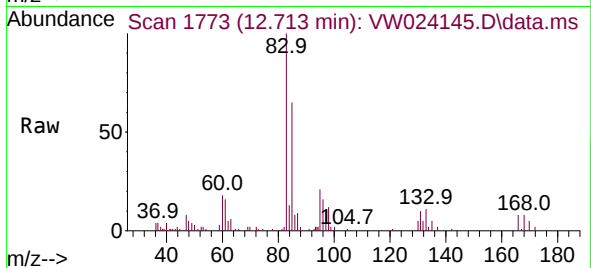
Tgt Ion: 83 Resp: 12669

Ion Ratio Lower Upper

83 100

85 65.2 44.0 81.8

131 9.8 8.6 12.8



#59

Bromoform

Concen: 2.460 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

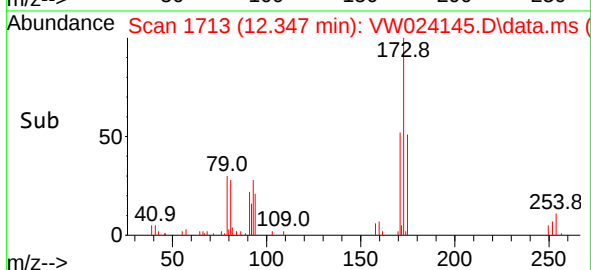
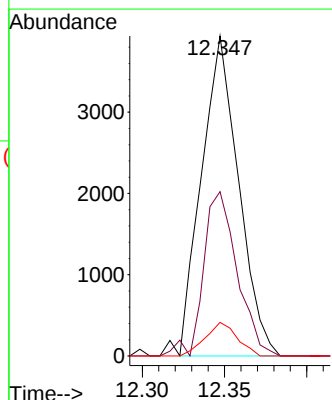
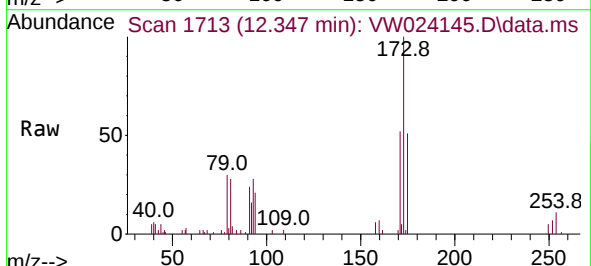
Tgt Ion: 173 Resp: 6173

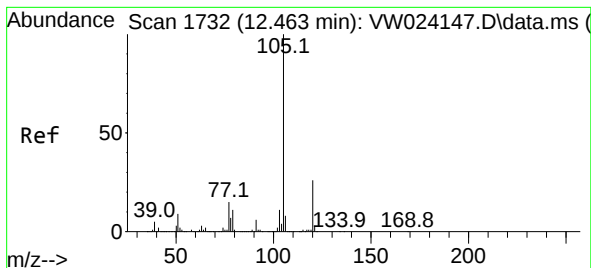
Ion Ratio Lower Upper

173 100

175 45.1 39.0 58.4

254 9.1 7.2 10.8





#60

Isopropylbenzene

Concen: 2.141 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

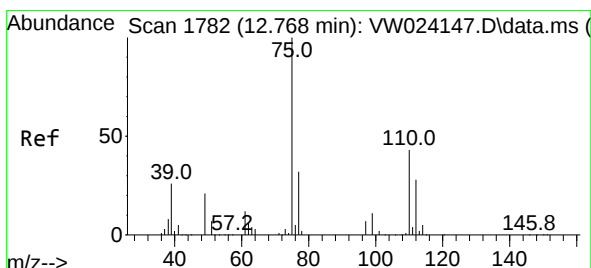
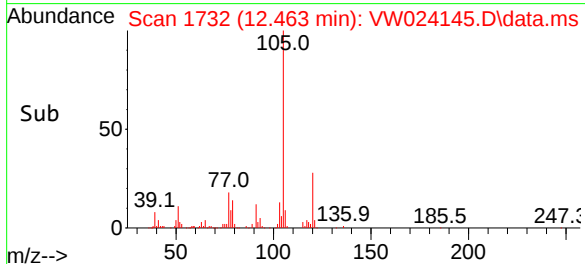
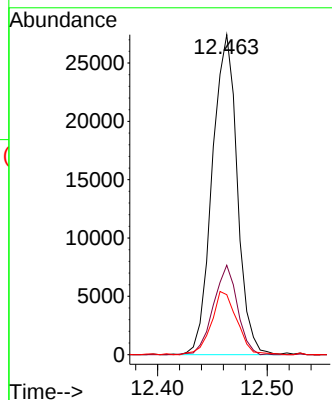
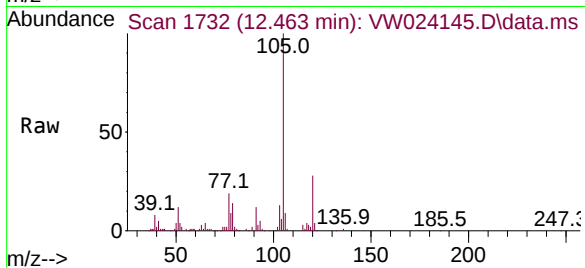
Tgt Ion:105 Resp: 43497

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

77 20.2 12.2 18.4#



#61

1,2,3-Trichloropropane

Concen: 2.901 ug/L

RT: 12.762 min Scan# 1781

Delta R.T. -0.006 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

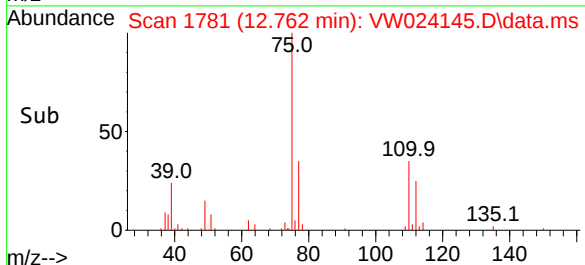
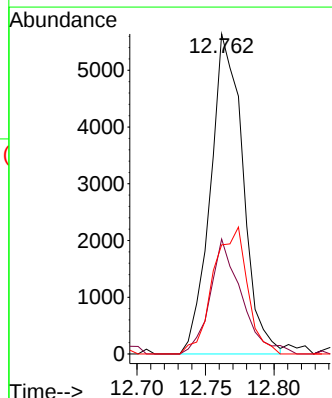
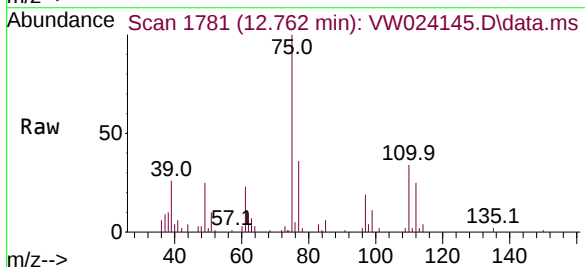
Tgt Ion: 75 Resp: 9309

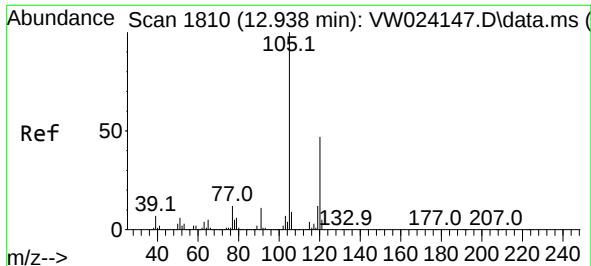
Ion Ratio Lower Upper

75 100

77 34.7 25.7 38.5

110 41.6 34.7 52.1





#62

1,3,5-Trimethylbenzene

Concen: 1.932 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

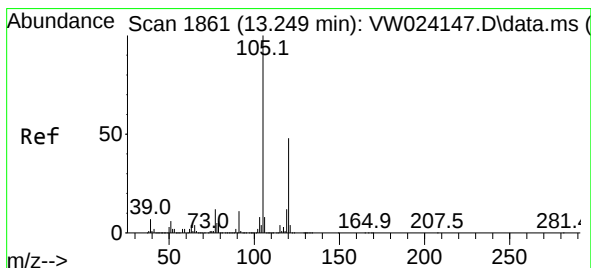
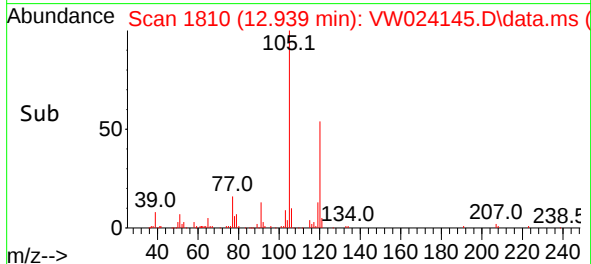
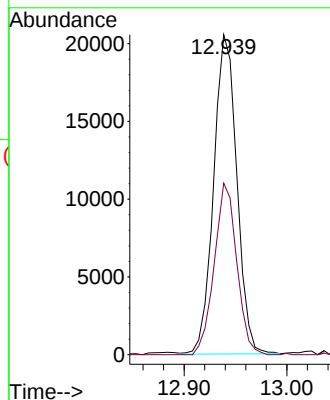
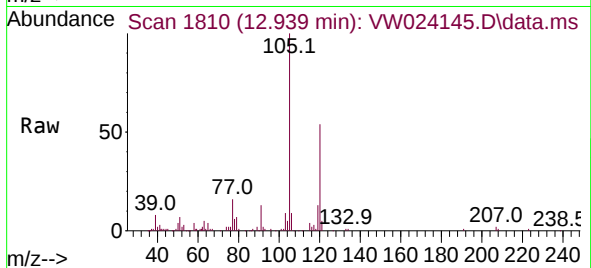
VSTD2.5401

Tgt Ion:105 Resp: 32137

Ion Ratio Lower Upper

105 100

120 52.0 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 1.928 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW024145.D

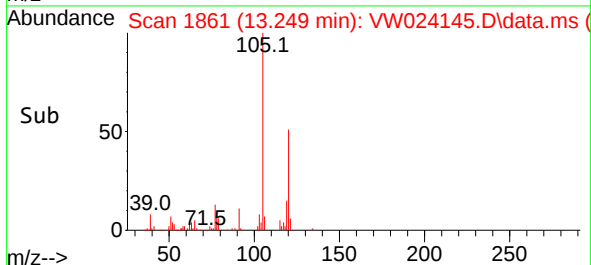
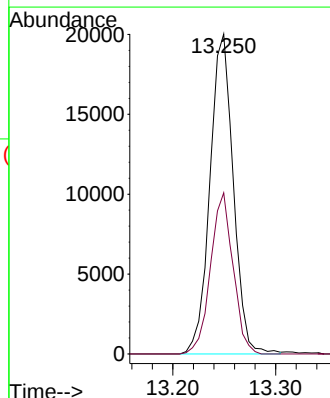
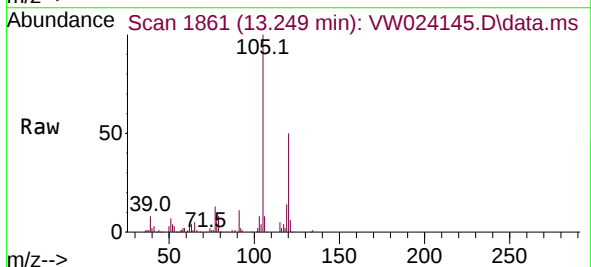
Acq: 03 Aug 2022 08:48

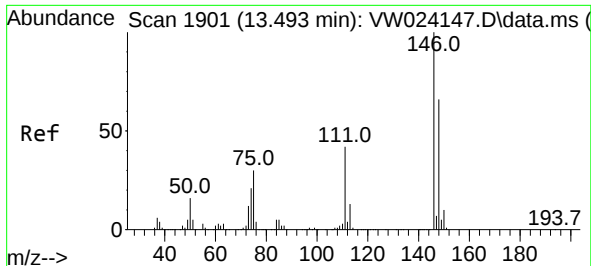
Tgt Ion:105 Resp: 31642

Ion Ratio Lower Upper

105 100

120 48.4 38.5 57.7

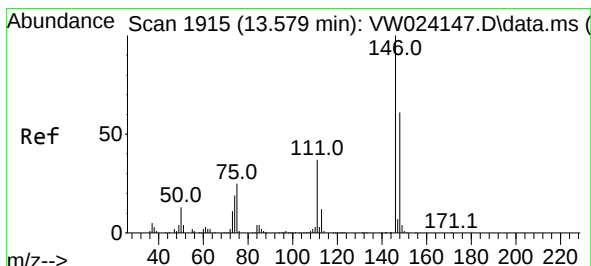
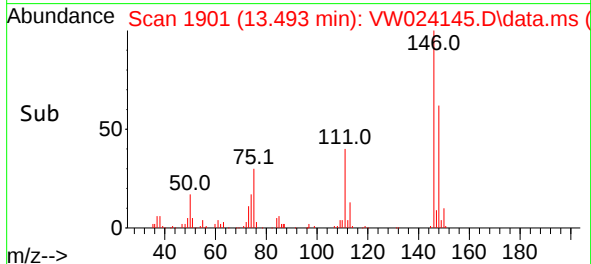
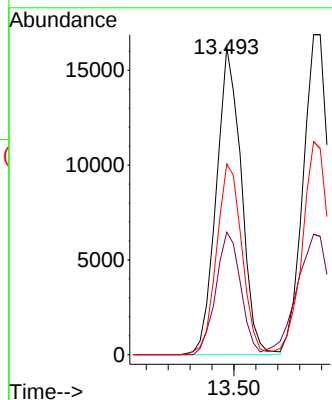
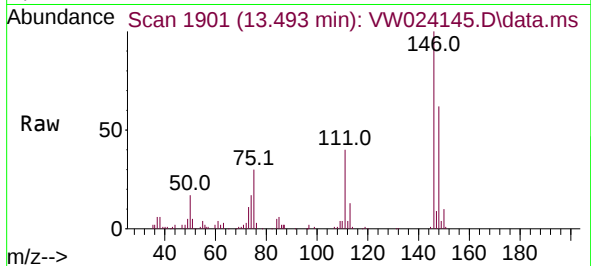




#64
1,3-Dichlorobenzene
Concen: 2.500 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

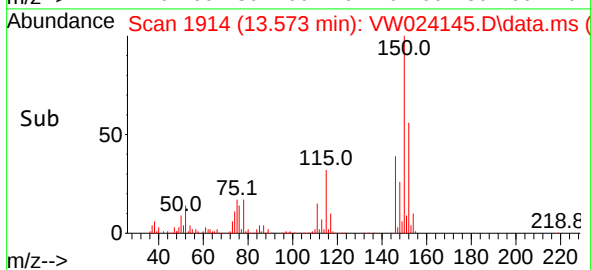
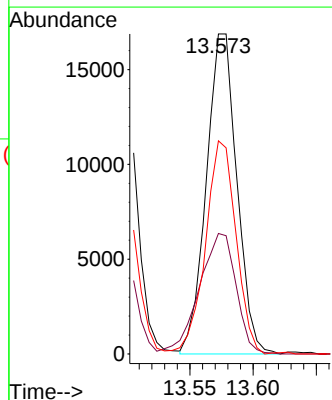
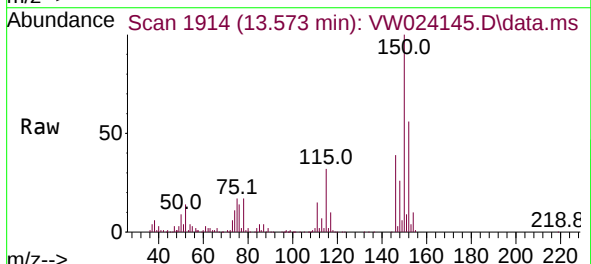
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

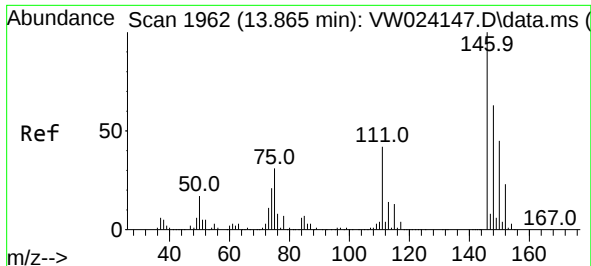
Tgt Ion:146 Resp: 25638
Ion Ratio Lower Upper
146 100
111 39.9 29.3 54.5
148 62.0 46.0 85.4



#65
1,4-Dichlorobenzene
Concen: 2.666 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion:146 Resp: 28363
Ion Ratio Lower Upper
146 100
111 37.6 26.2 48.6
148 66.6 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 2.540 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

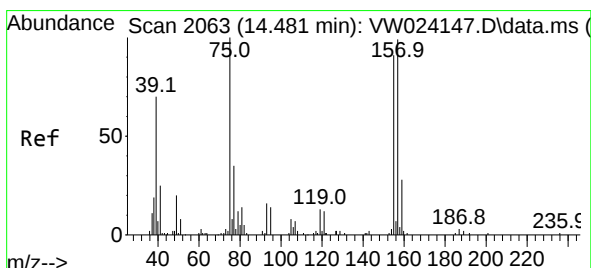
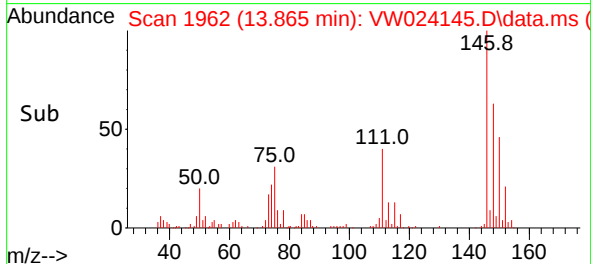
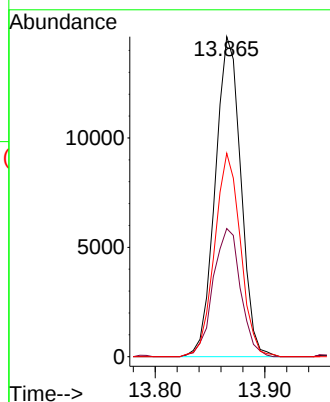
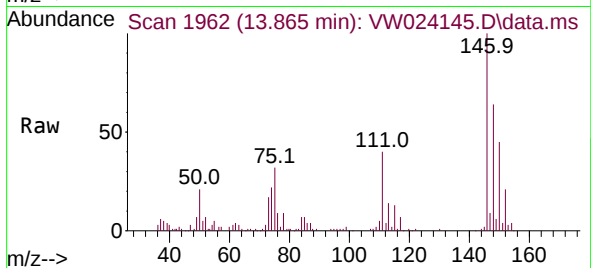
Tgt Ion:146 Resp: 23762

Ion Ratio Lower Upper

146 100

111 40.0 33.7 50.5

148 63.6 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 2.899 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

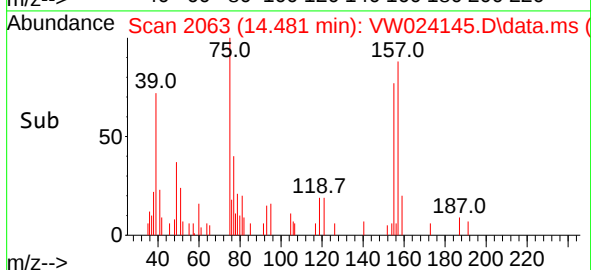
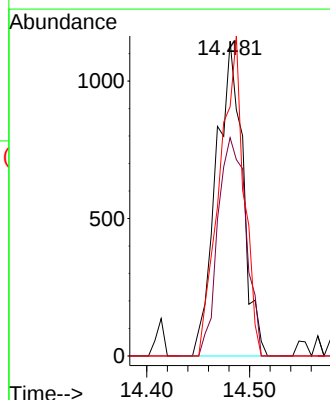
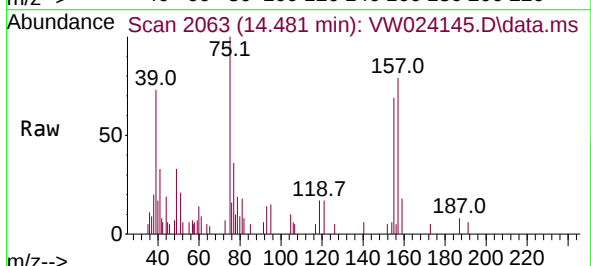
Tgt Ion: 75 Resp: 2064

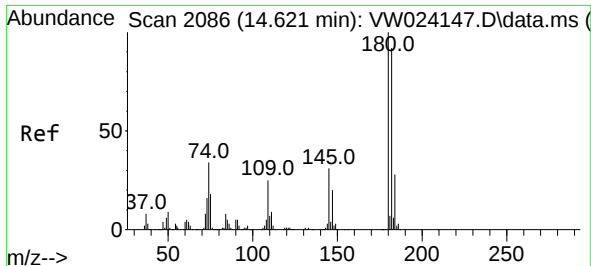
Ion Ratio Lower Upper

75 100

155 69.3 72.6 109.0#

157 79.2 79.1 118.7





#69

1,3,5-Trichlorobenzene

Concen: 2.278 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5401

Tgt Ion:180 Resp: 15523

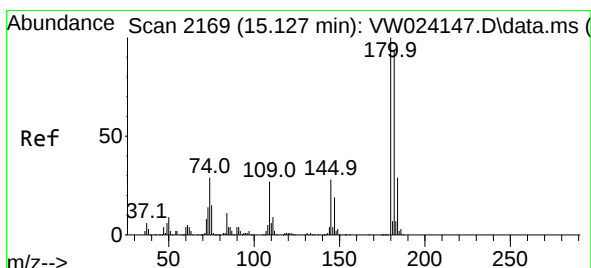
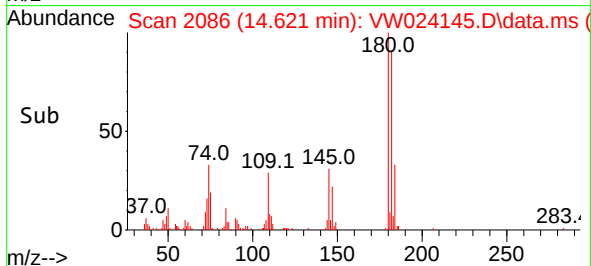
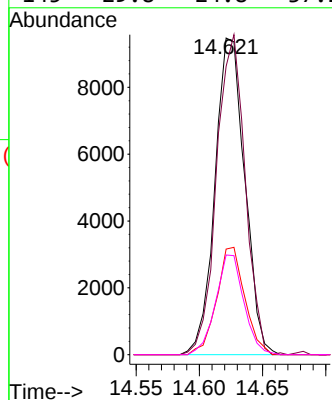
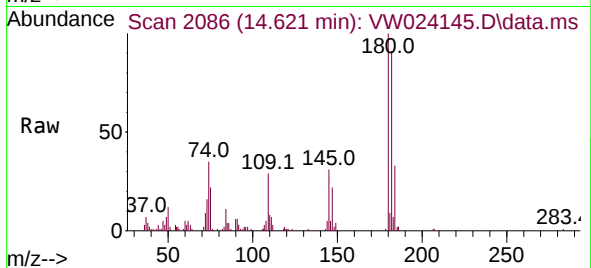
Ion Ratio Lower Upper

180 100

182 96.5 76.5 114.7

184 32.1 23.7 35.5

145 29.8 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 2.184 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW024145.D

Acq: 03 Aug 2022 08:48

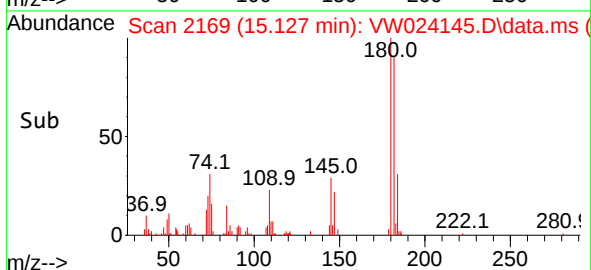
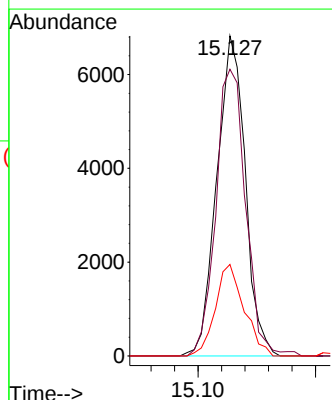
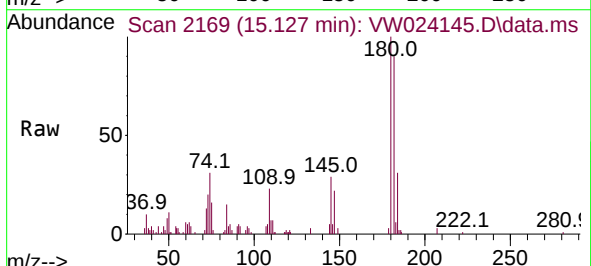
Tgt Ion:180 Resp: 11468

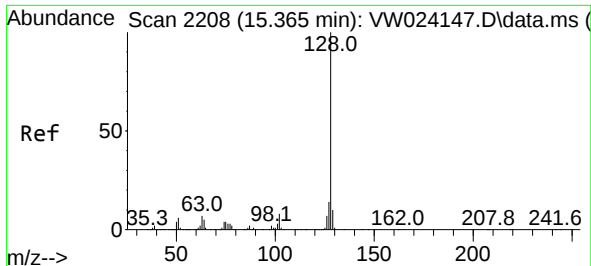
Ion Ratio Lower Upper

180 100

182 93.4 79.0 118.6

145 29.0 24.3 36.5

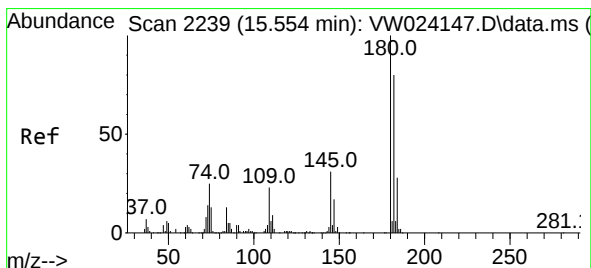
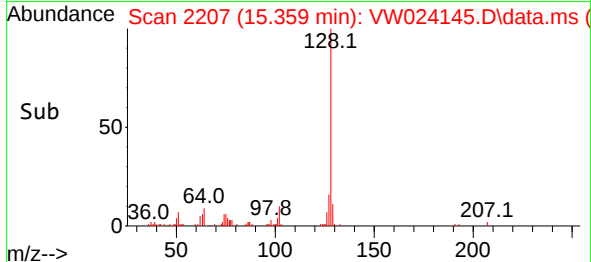
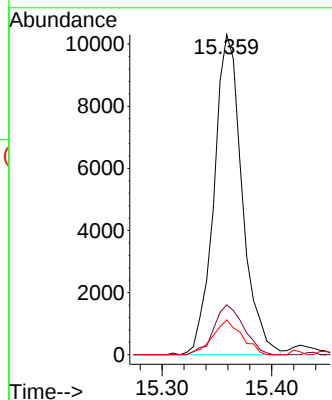
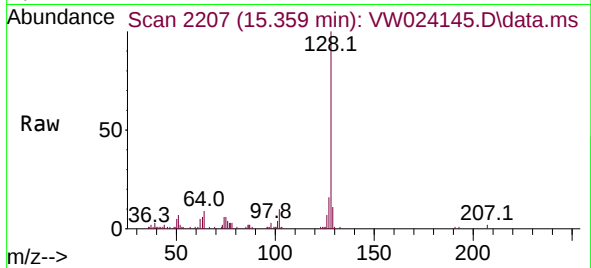




#71
Naphthalene
Concen: 1.817 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5401

Tgt Ion:128 Resp: 18389
Ion Ratio Lower Upper
128 100
127 16.5 10.7 16.1#
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.298 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW024145.D
Acq: 03 Aug 2022 08:48

Tgt Ion:180 Resp: 11092
Ion Ratio Lower Upper
180 100
182 88.5 73.4 110.2
145 33.2 26.6 40.0

