

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112621\
 Data File : VW020968.D
 Acq On : 26 Nov 2021 19:28
 Operator : SY/VA
 Sample : M4833-10MSD
 Misc : 6.03g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ESQM8MSD

Quant Time: Nov 27 01:00:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 27 00:54:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	107391	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	87279	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	39014	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	22407	17.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.960%
7) Chloroethane-d5	2.885	69	17283	21.513	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.040%
11) 1,1-Dichloroethene-d2	4.025	63	41053	17.033	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.120%
21) 2-Butanone-d5	7.080	46	12983	41.756	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.520%
24) Chloroform-d	7.653	84	54696	20.214	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.840%
26) 1,2-Dichloroethane-d4	8.311	65	27607	20.100	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.400%
32) Benzene-d6	8.275	84	95169	20.689	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.760%
36) 1,2-Dichloropropane-d6	9.274	67	29605	22.601	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.400%
41) Toluene-d8	10.323	98	88324	19.345	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	10.579	79	12172	19.659	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.640%
47) 2-Hexanone-d5	10.920	63	10789	49.662	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.320%
56) 1,1,2,2-Tetrachloroeth...	12.694	84	23745	23.663	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.640%
66) 1,2-Dichlorobenzene-d4	13.853	152	29614	21.297	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	9160	29.472	ug/L	92
3) Chloromethane	2.215	50	17602	18.628	ug/L	99
5) Vinyl chloride	2.361	62	35292	21.594	ug/L	97
6) Bromomethane	2.782	94	21977	24.250	ug/L	97
8) Chloroethane	2.922	64	15936	23.193	ug/L	98
9) Trichlorofluoromethane	3.257	101	18504	19.437	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	26593	18.375	ug/L	# 88
12) 1,1-Dichloroethene	4.044	96	26211	19.480	ug/L	72
13) Acetone	4.123	43	11311	40.746	ug/L	92
14) Carbon disulfide	4.385	76	53255	14.634	ug/L	99
15) Methyl Acetate	4.678	43	9662	19.408	ug/L	93
16) Methylene chloride	4.915	84	30996	20.695	ug/L	84
17) trans-1,2-Dichloroethene	5.427	96	26369	18.183	ug/L	86
18) Methyl tert-butyl Ether	5.434	73	48163	22.125	ug/L	# 85
19) 1,1-Dichloroethane	6.220	63	48424	20.153	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	31193	19.958	ug/L	73
22) 2-Butanone	7.171	43	14800	39.240	ug/L	90
23) Bromochloromethane	7.519	128	14925	20.888	ug/L	# 69
25) Chloroform	7.677	83	54546	20.769	ug/L	99

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 Quant Title : SFAM01.0
 QLast Update : Sat Nov 27 00:54:15 2021
 Response via : Initial Calibration

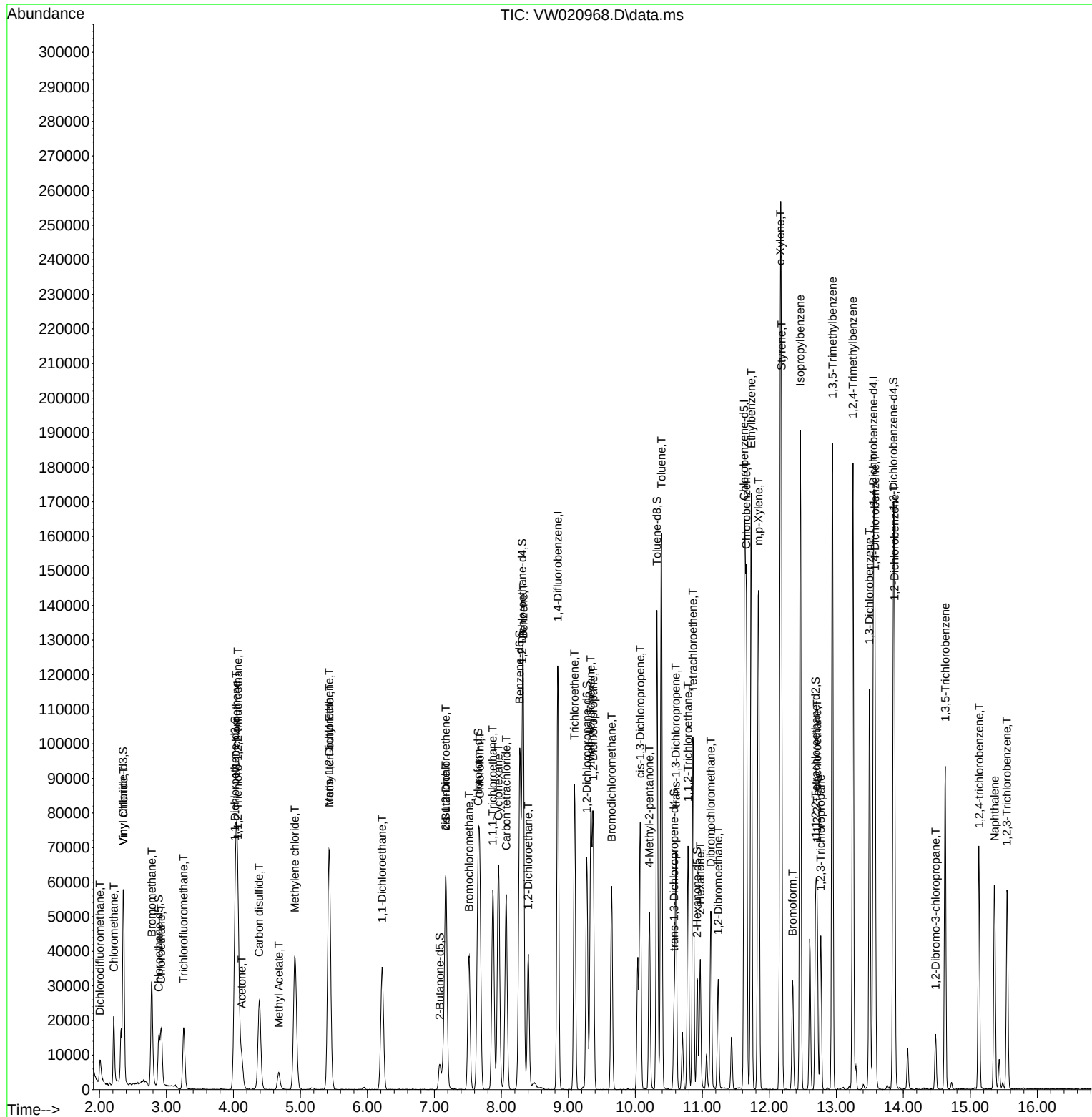
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	33149	20.845	ug/L #	94
29) Cyclohexane	7.957	56	34034	17.491	ug/L #	83
30) 1,1,1-Trichloroethane	7.872	97	46675	22.238	ug/L	94
31) Carbon tetrachloride	8.073	117	41677	20.980	ug/L	99
33) Benzene	8.329	78	111183	22.499	ug/L	100
34) Trichloroethene	9.091	95	28432	20.570	ug/L	93
35) Methylcyclohexane	9.335	83	33555	14.724	ug/L	86
37) 1,2-Dichloropropane	9.372	63	26448	22.996	ug/L #	97
38) Bromodichloromethane	9.646	83	37655	22.814	ug/L #	95
39) cis-1,3-Dichloropropene	10.073	75	40325	21.236	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	32886	48.041	ug/L #	94
42) Toluene	10.390	91	118728	21.360	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	35159	21.068	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	21540	24.081	ug/L	96
46) Tetrachloroethene	10.859	164	23418	18.452	ug/L	95
48) 2-Hexanone	10.969	43	22801	48.087	ug/L #	95
49) Dibromochloromethane	11.128	129	26963	21.865	ug/L	91
50) 1,2-Dibromoethane	11.237	107	19794	22.072	ug/L #	89
51) Chlorobenzene	11.658	112	72707	19.667	ug/L	93
52) Ethylbenzene	11.731	91	119749	19.442	ug/L	93
53) m,p-Xylene	11.841	106	48880	19.438	ug/L	82
54) o-Xylene	12.164	106	48042	19.892	ug/L	92
55) Styrene	12.182	104	77944	19.437	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.713	83	22939	23.138	ug/L #	97
59) Bromoform	12.347	173	14233	24.467	ug/L #	96
60) Isopropylbenzene	12.463	105	121961	22.952	ug/L	96
61) 1,2,3-Trichloropropane	12.768	75	16512	28.854	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.944	105	99532	22.204	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	96821	21.892	ug/L	95
64) 1,3-Dichlorobenzene	13.493	146	47098	18.905	ug/L	98
65) 1,4-Dichlorobenzene	13.578	146	50012	19.901	ug/L	97
67) 1,2-Dichlorobenzene	13.871	146	46375	21.124	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	3448	25.202	ug/L #	62
69) 1,3,5-Trichlorobenzene	14.627	180	28649	14.519	ug/L	97
70) 1,2,4-trichlorobenzene	15.133	180	22962	14.224	ug/L	91
71) Naphthalene	15.365	128	52538	19.974	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	19281	14.154	ug/L	95

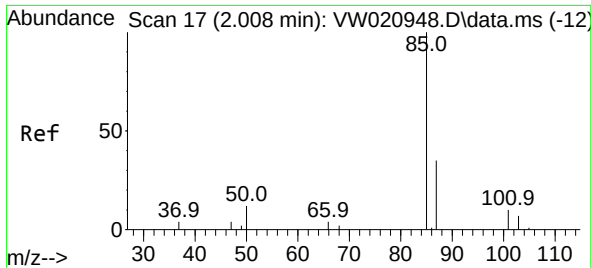
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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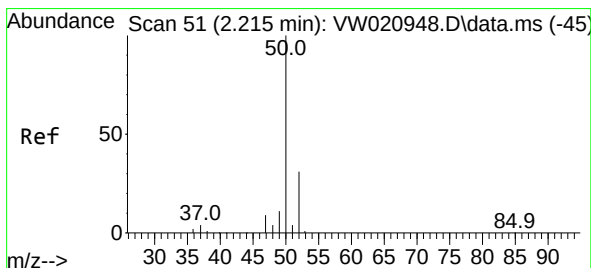
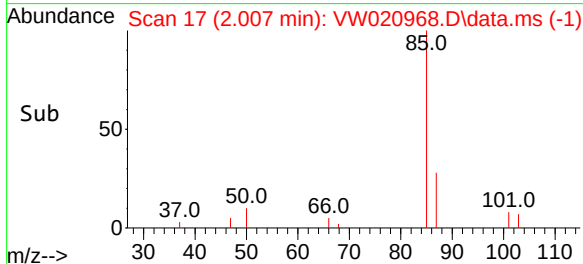
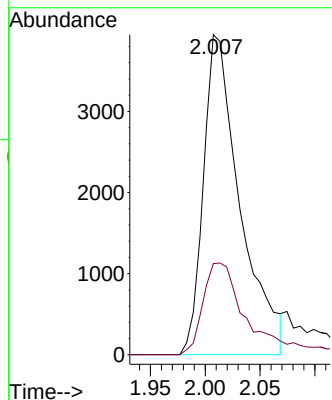
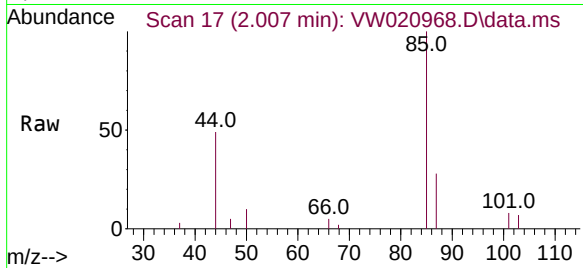




#2
 Dichlorodifluoromethane
 Concen: 29.472 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW020968.D
 Acq: 26 Nov 2021 19:28

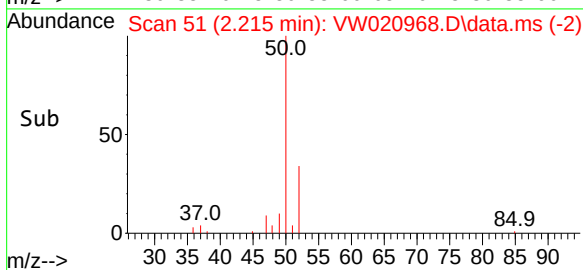
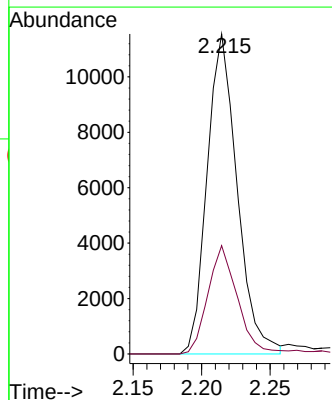
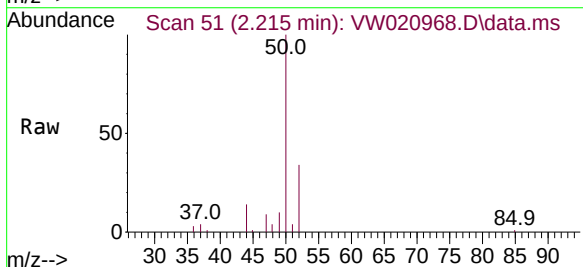
Instrument :
 MSVOA_W
 ClientSampleId :
 ESQM8MSD

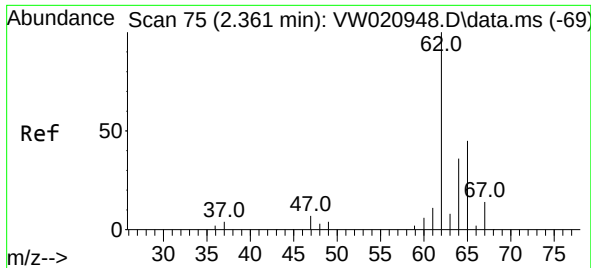
Tgt Ion: 85 Resp: 9160
 Ion Ratio Lower Upper
 85 100
 87 27.7 25.8 38.6



#3
 Chloromethane
 Concen: 18.628 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW020968.D
 Acq: 26 Nov 2021 19:28

Tgt Ion: 50 Resp: 17602
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.4 43.6

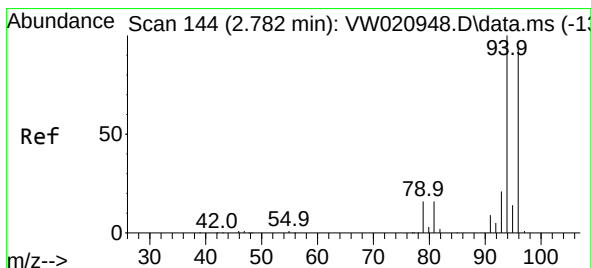
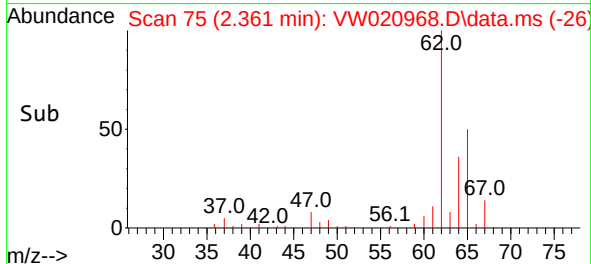
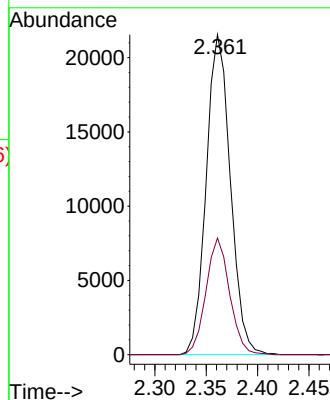
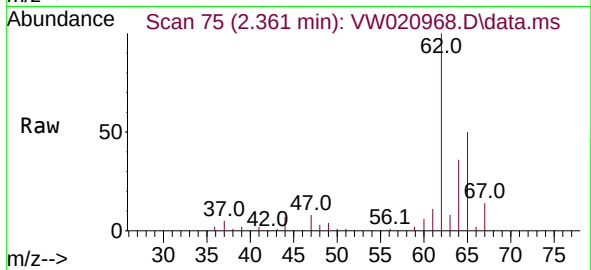




#5
 Vinyl chloride
 Concen: 21.594 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW020968.D
 Acq: 26 Nov 2021 19:28

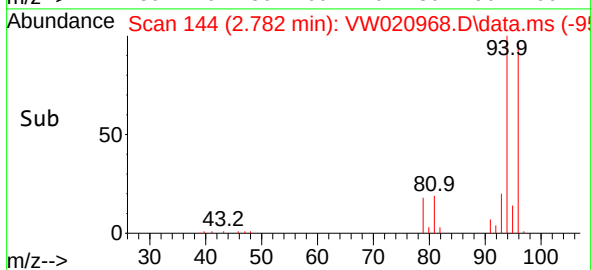
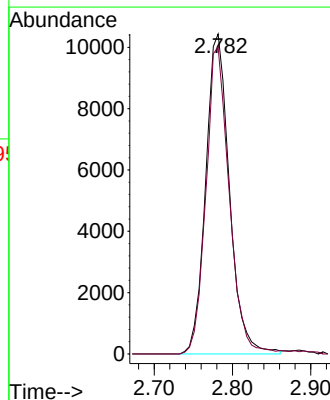
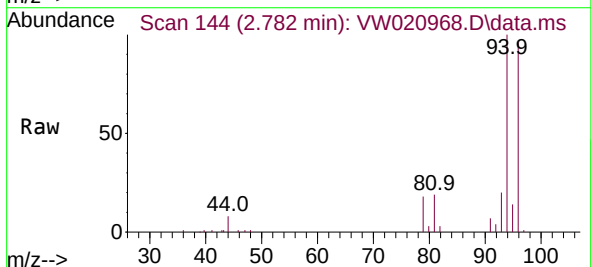
Instrument :
 MSVOA_W
 ClientSampleId :
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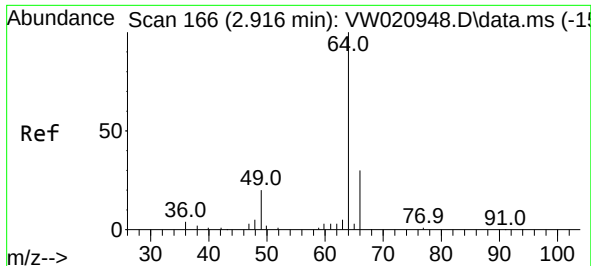
Tgt Ion: 62 Resp: 35292
 Ion Ratio Lower Upper
 62 100
 64 36.5 24.4 45.2



#6
 Bromomethane
 Concen: 24.250 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. -0.000 min
 Lab File: VW020968.D
 Acq: 26 Nov 2021 19:28

Tgt Ion: 94 Resp: 21977
 Ion Ratio Lower Upper
 94 100
 96 95.9 64.8 120.4

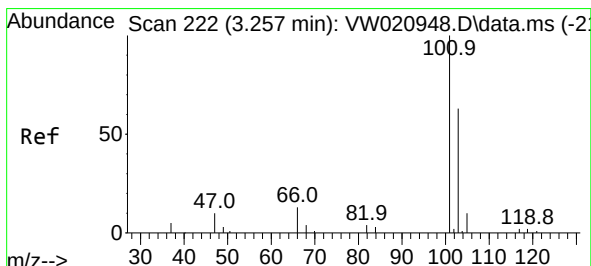
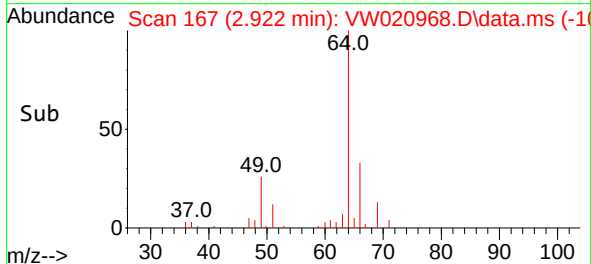
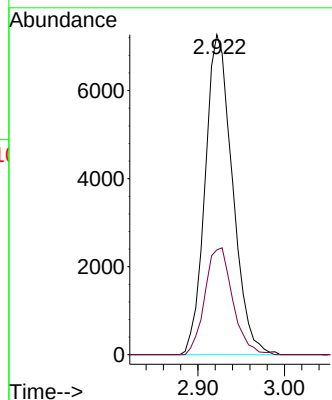
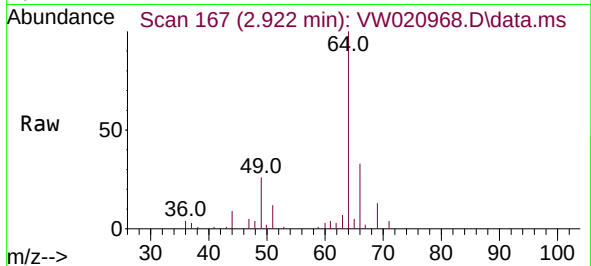




#8
Chloroethane
Concen: 23.193 ug/L
RT: 2.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

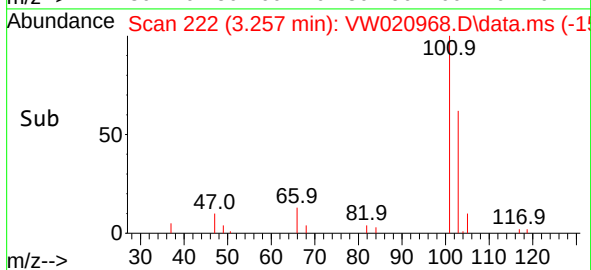
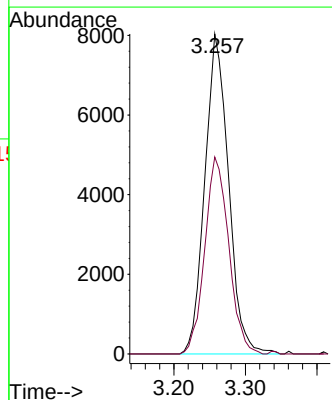
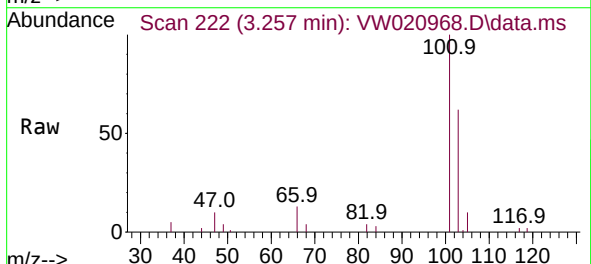
Instrument :
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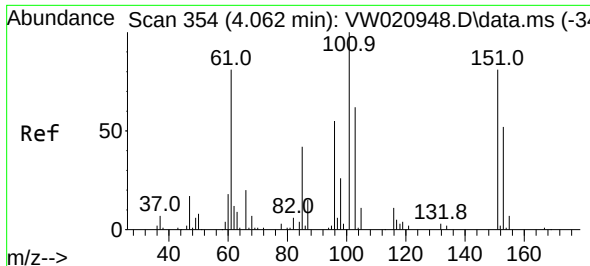
Tgt Ion: 64 Resp: 15936
Ion Ratio Lower Upper
64 100
66 32.7 22.0 40.8



#9
Trichlorofluoromethane
Concen: 19.437 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion:101 Resp: 18504
Ion Ratio Lower Upper
101 100
103 62.3 51.4 77.2

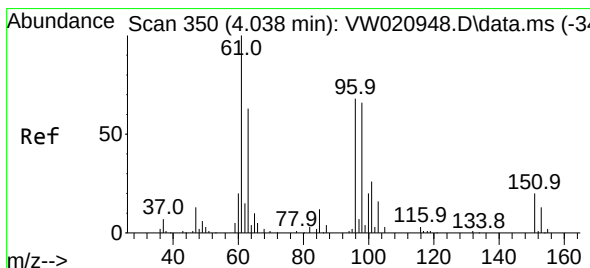
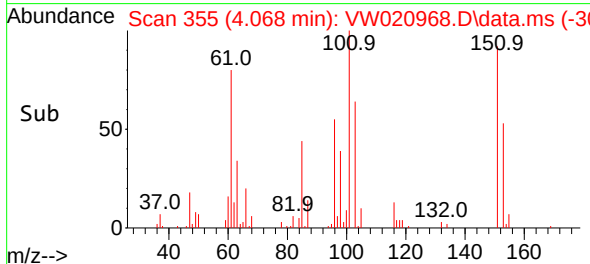
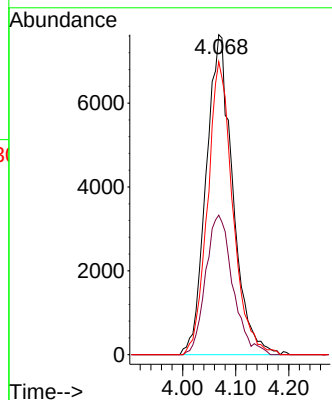
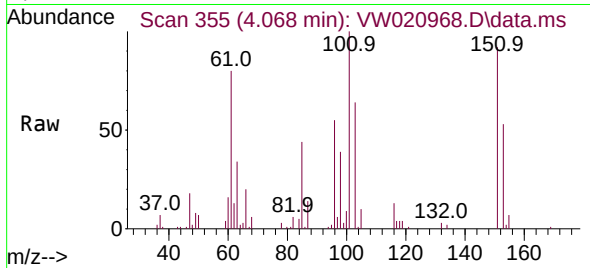




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 18.375 ug/L
 RT: 4.068 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VW020968.D
 Acq: 26 Nov 2021 19:28

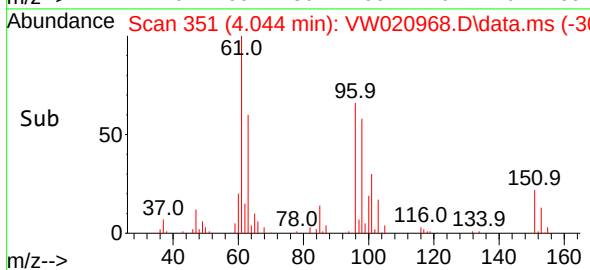
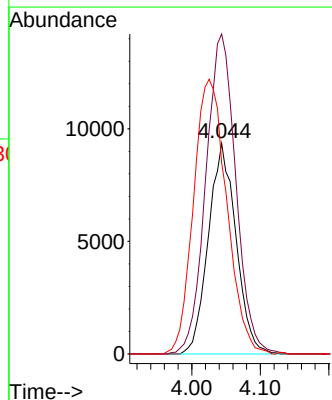
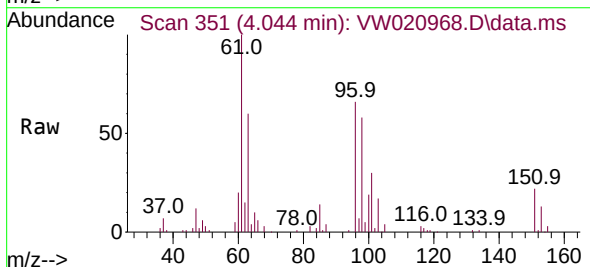
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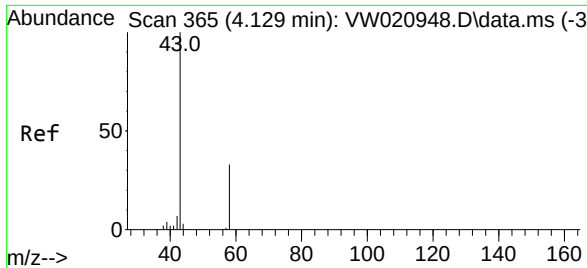
Tgt Ion:101 Resp: 26593
 Ion Ratio Lower Upper
 101 100
 85 43.4 36.6 54.8
 151 86.3 57.4 86.0#



#12
 1,1-Dichloroethene
 Concen: 19.480 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW020968.D
 Acq: 26 Nov 2021 19:28

Tgt Ion: 96 Resp: 26211
 Ion Ratio Lower Upper
 96 100
 61 151.9 138.3 256.9
 63 90.8 82.6 153.4





#13

Acetone

Concen: 40.746 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

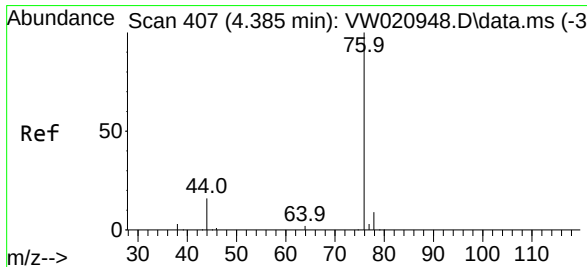
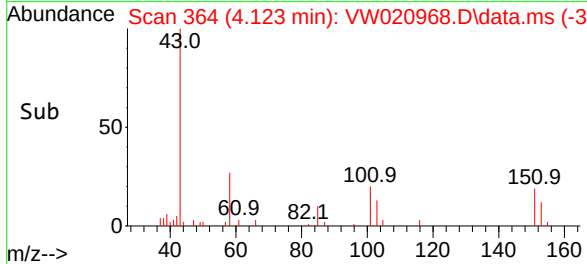
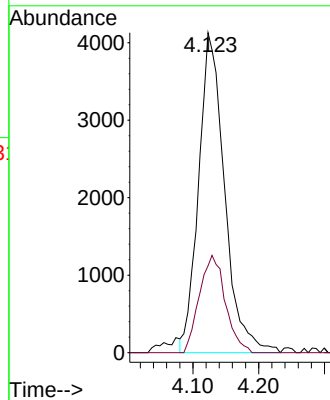
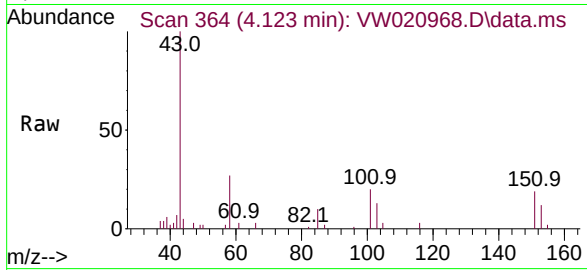
ESQM8MSD

Tgt Ion: 43 Resp: 11311

Ion Ratio Lower Upper

43 100

58 30.4 0.0 52.8



#14

Carbon disulfide

Concen: 14.634 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW020968.D

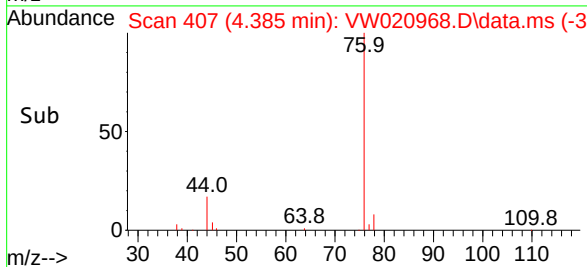
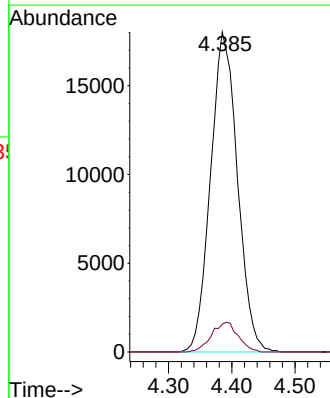
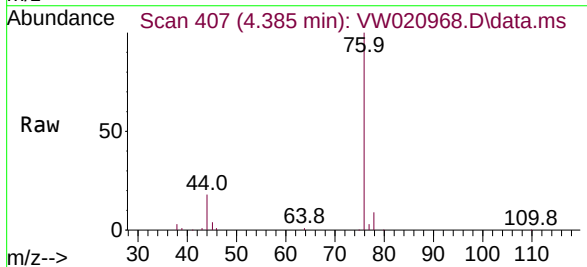
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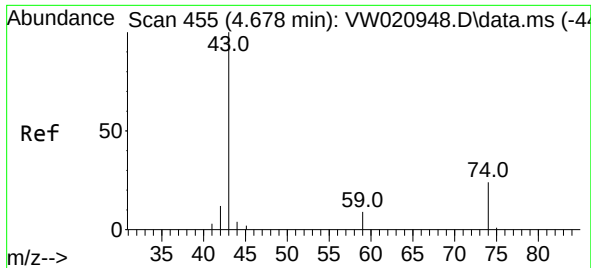
Tgt Ion: 76 Resp: 53255

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

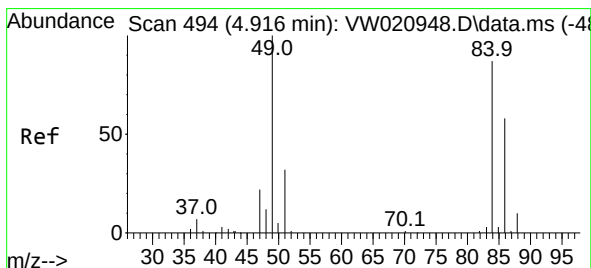
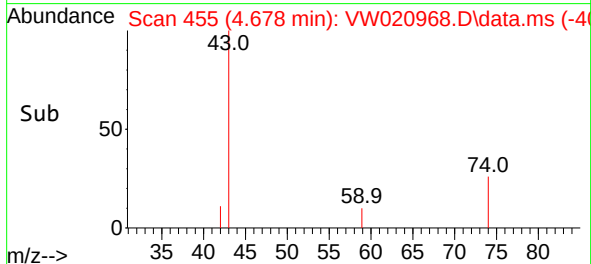
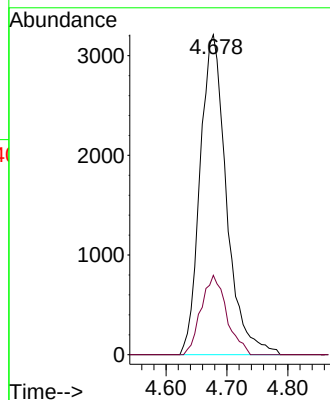
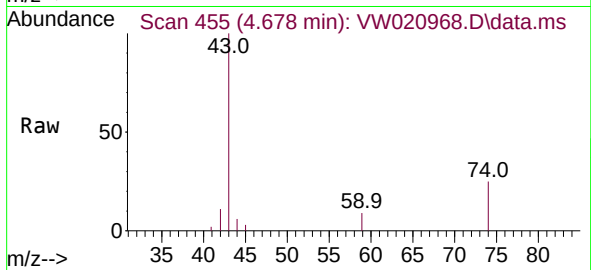




#15
Methyl Acetate
Concen: 19.408 ug/L
RT: 4.678 min Scan# 455
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

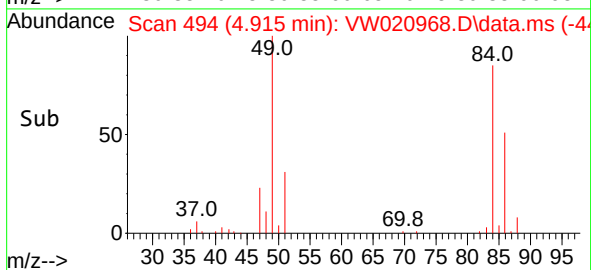
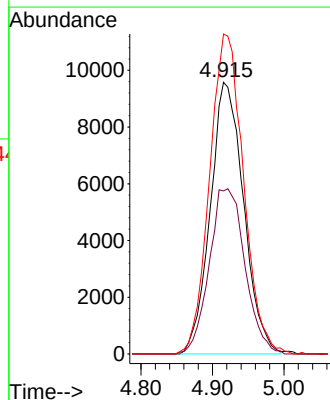
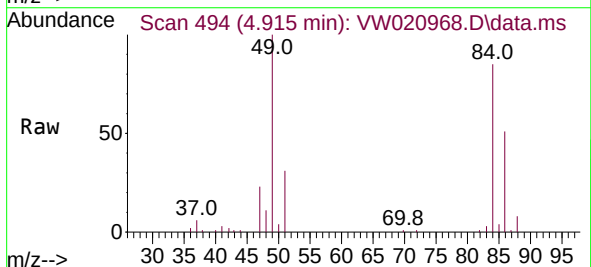
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

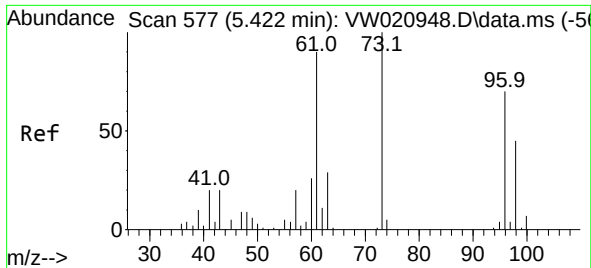
Tgt Ion: 43 Resp: 9662
Ion Ratio Lower Upper
43 100
74 24.0 16.4 24.6



#16
Methylene chloride
Concen: 20.695 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion: 84 Resp: 30996
Ion Ratio Lower Upper
84 100
86 60.0 45.5 84.5
49 117.8 100.5 186.7

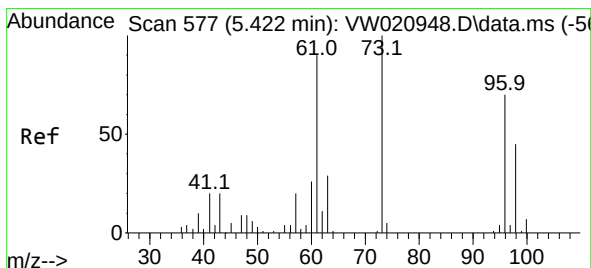
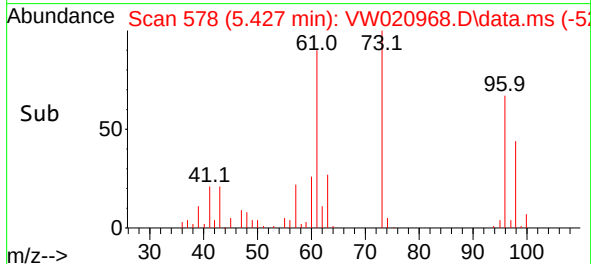
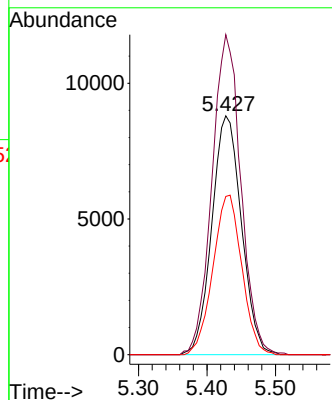
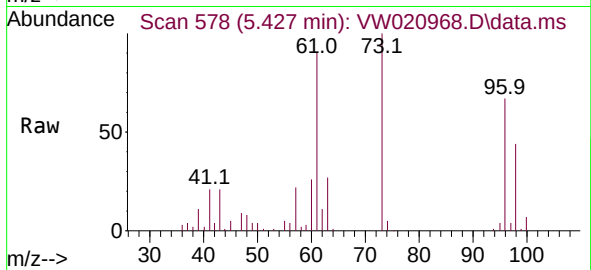




#17
trans-1,2-Dichloroethene
Concen: 18.183 ug/L
RT: 5.427 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

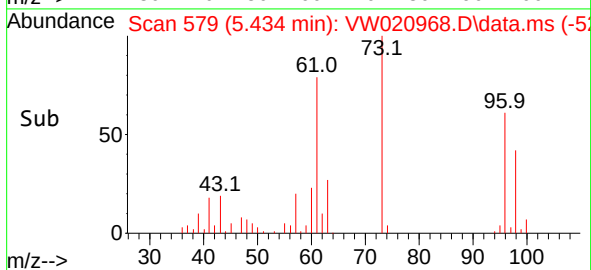
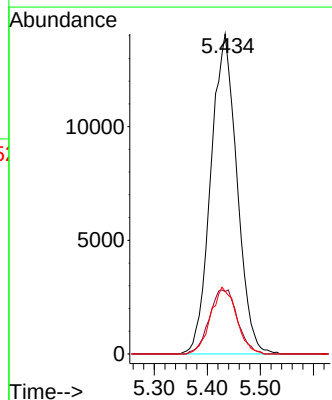
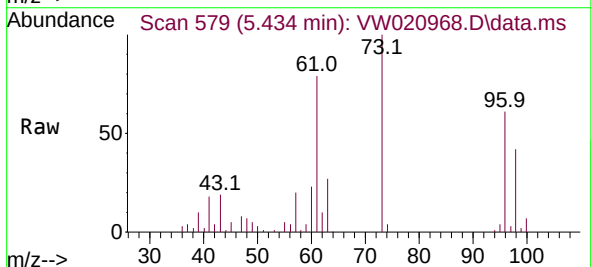
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

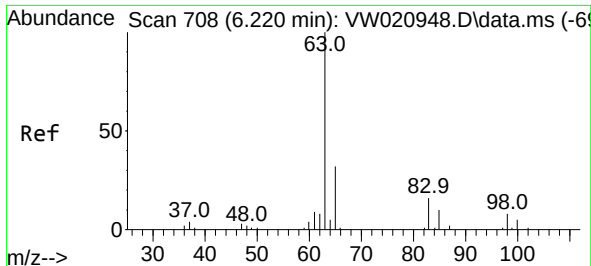
Tgt Ion: 96 Resp: 26369
Ion Ratio Lower Upper
96 100
61 134.0 107.4 199.4
98 66.2 41.2 76.6



#18
Methyl tert-butyl Ether
Concen: 22.125 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.012 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion: 73 Resp: 48163
Ion Ratio Lower Upper
73 100
43 12.9 19.5 29.3#
57 20.6 19.3 28.9





#19

1,1-Dichloroethane

Concen: 20.153 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

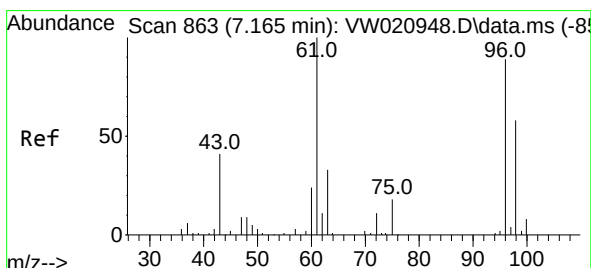
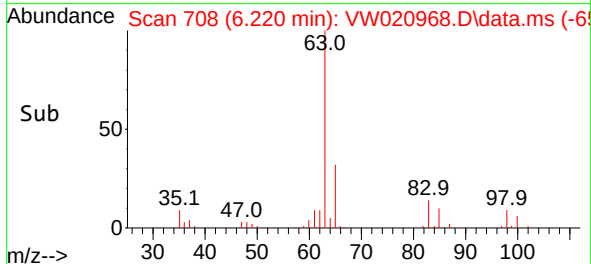
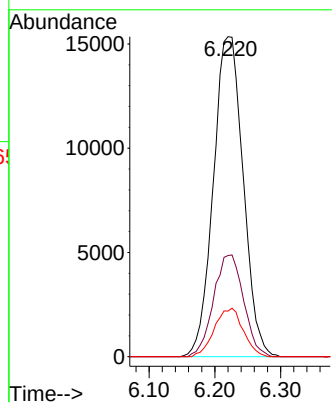
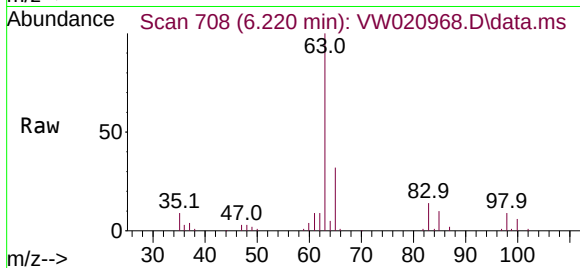
Tgt Ion: 63 Resp: 48424

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 14.2 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 19.958 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

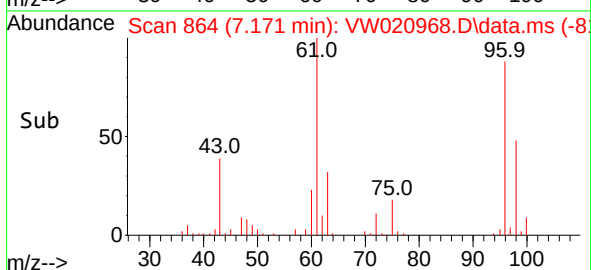
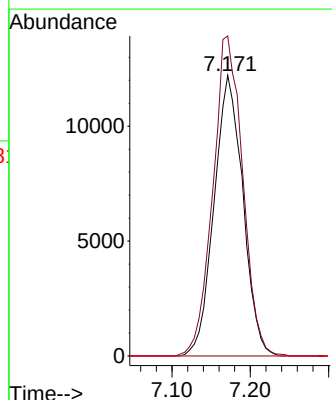
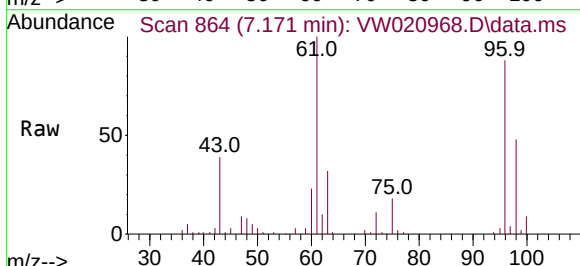
Tgt Ion: 96 Resp: 31193

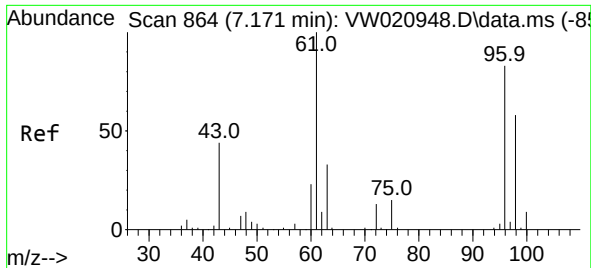
Ion Ratio Lower Upper

96 100

61 114.0 103.7 192.7

68 0.0 0.0 0.0

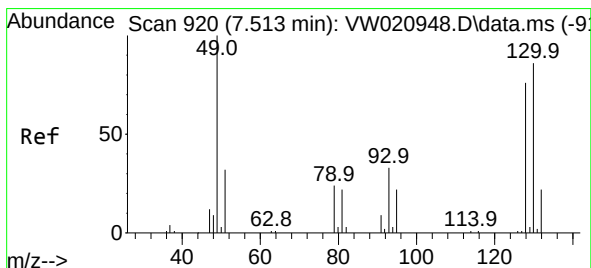
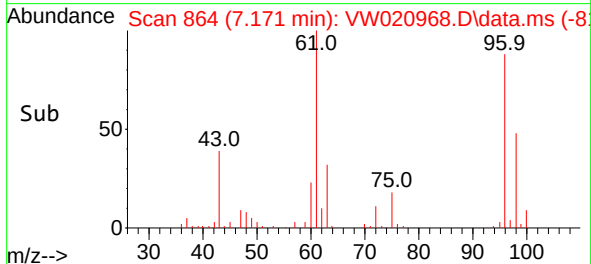
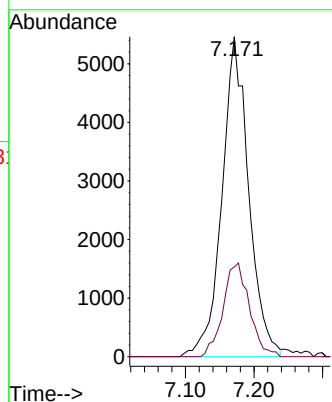
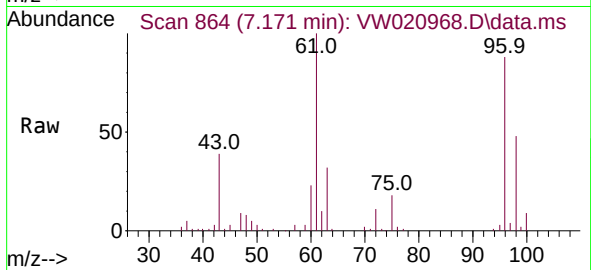




#22
2-Butanone
Concen: 39.240 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

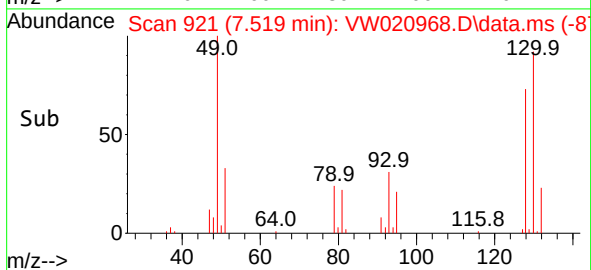
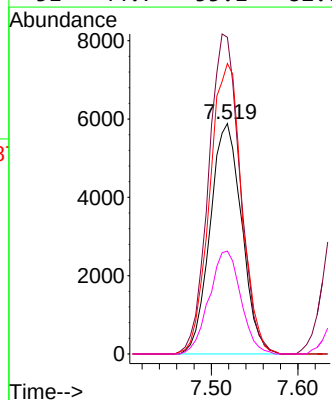
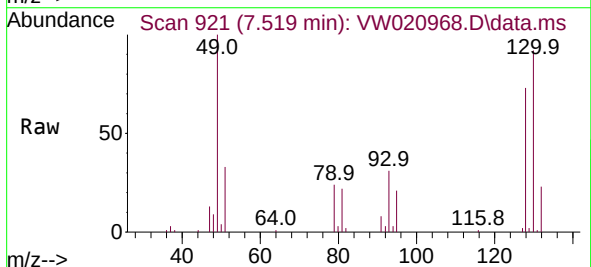
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

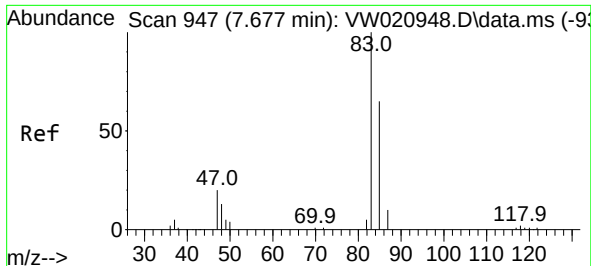
Tgt Ion: 43 Resp: 14800
Ion Ratio Lower Upper
43 100
72 28.7 11.8 35.4



#23
Bromochloromethane
Concen: 20.888 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion: 128 Resp: 14925
Ion Ratio Lower Upper
128 100
49 137.4 150.3 279.1#
130 126.1 88.3 163.9
51 44.7 55.1 82.7#

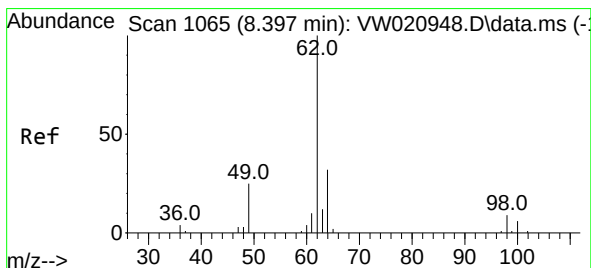
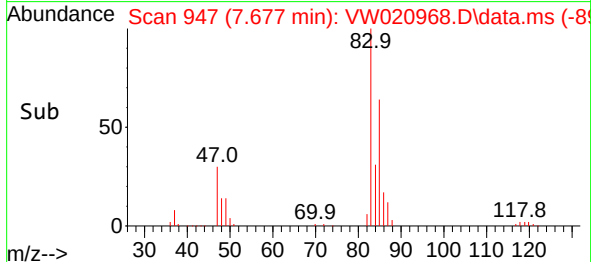
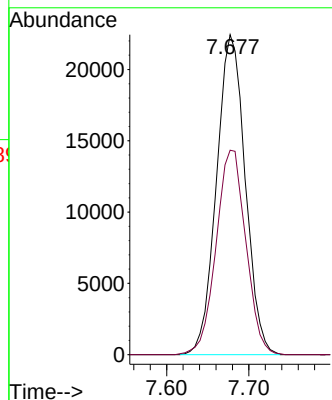
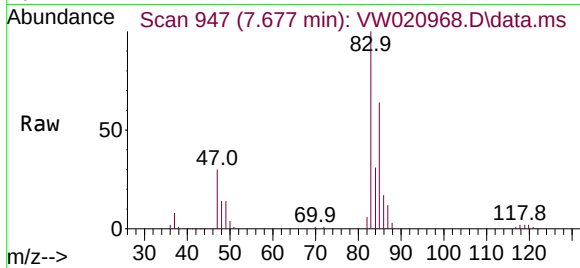




#25
Chloroform
Concen: 20.769 ug/L
RT: 7.677 min Scan# 94
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

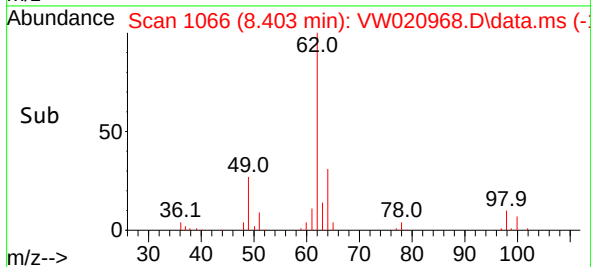
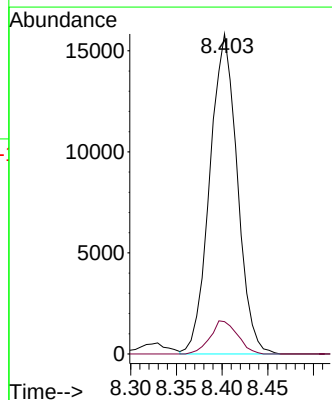
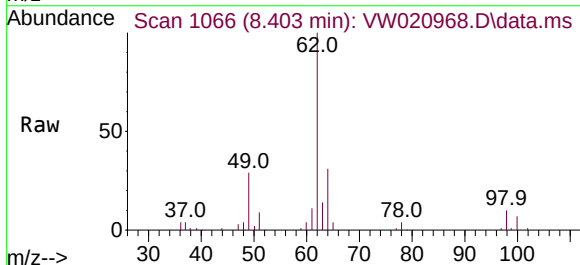
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

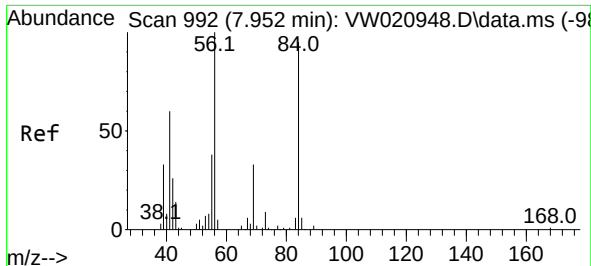
Tgt Ion: 83 Resp: 54546
Ion Ratio Lower Upper
83 100
85 63.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 20.845 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion: 62 Resp: 33149
Ion Ratio Lower Upper
62 100
98 10.1 6.5 9.7#





#29

Cyclohexane

Concen: 17.491 ug/L

RT: 7.957 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

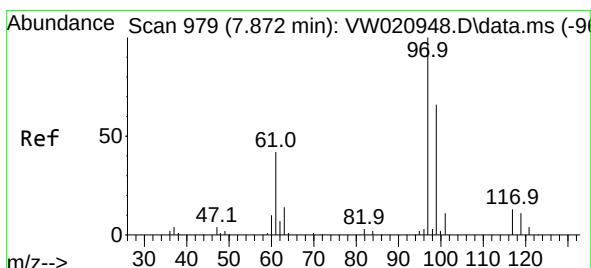
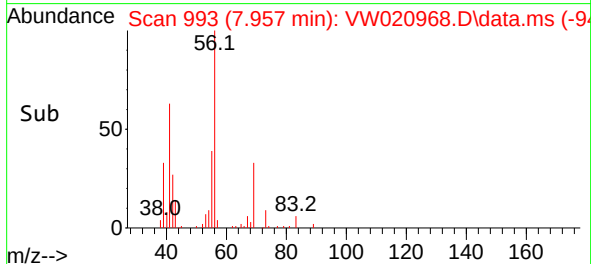
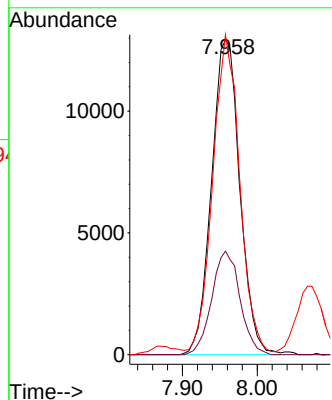
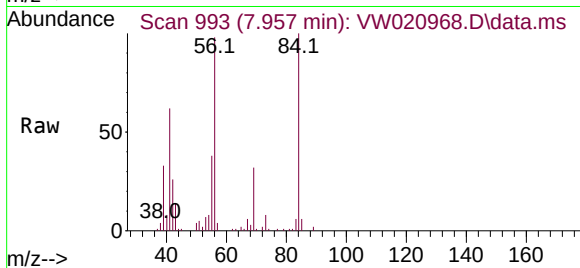
Tgt Ion: 56 Resp: 34034

Ion Ratio Lower Upper

56 100

69 32.8 23.5 35.3

84 97.4 63.4 95.2#



#30

1,1,1-Trichloroethane

Concen: 22.238 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

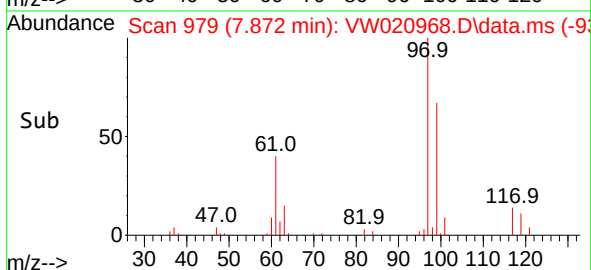
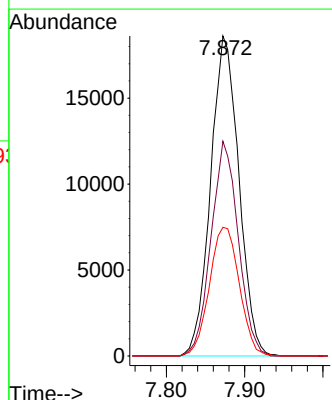
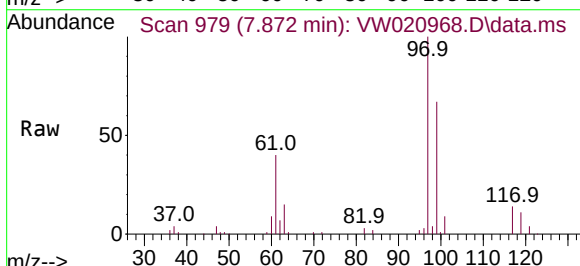
Tgt Ion: 97 Resp: 46675

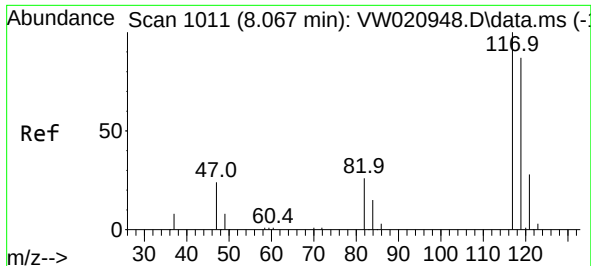
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 42.6 40.9 61.3

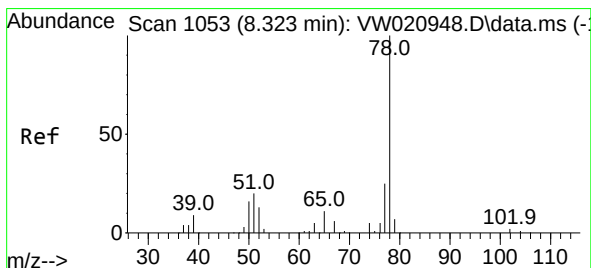
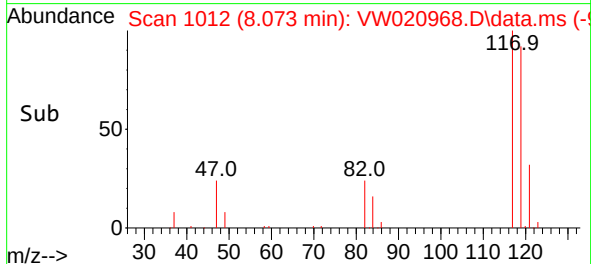
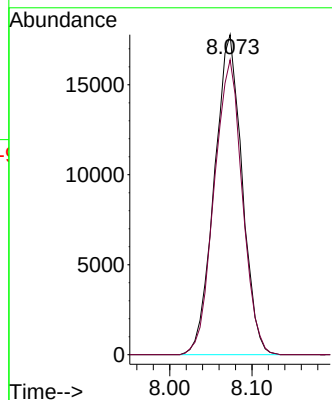
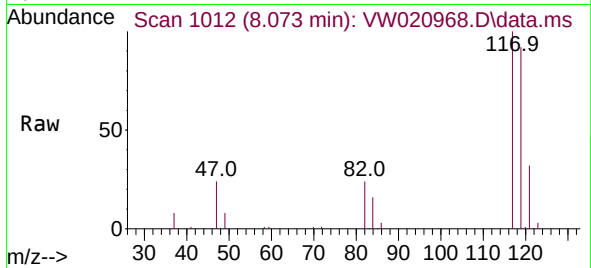




#31
Carbon tetrachloride
Concen: 20.980 ug/L
RT: 8.073 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

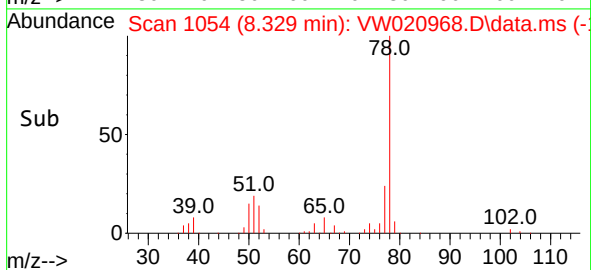
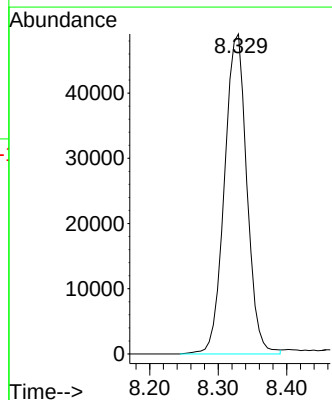
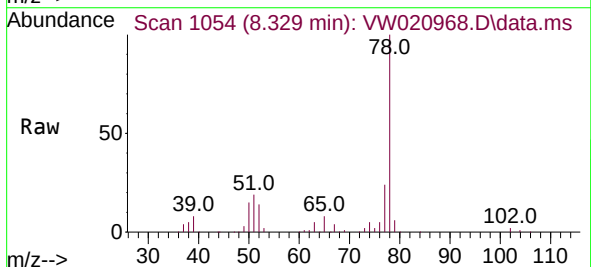
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

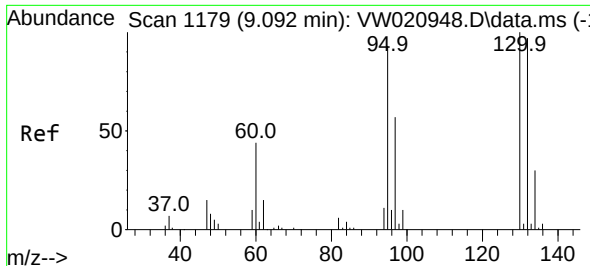
Tgt Ion:117 Resp: 41677
Ion Ratio Lower Upper
117 100
119 93.6 75.7 113.5



#33
Benzene
Concen: 22.499 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion: 78 Resp: 111183





#34

Trichloroethene

Concen: 20.570 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

Tgt Ion: 95 Resp: 28432

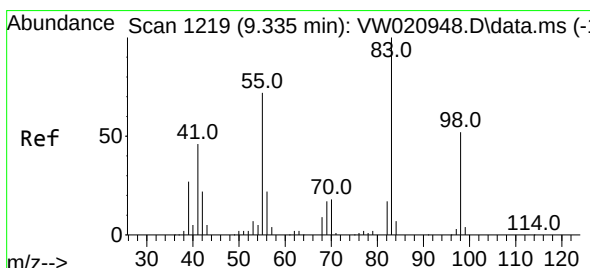
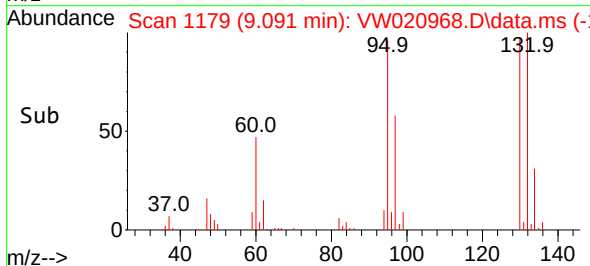
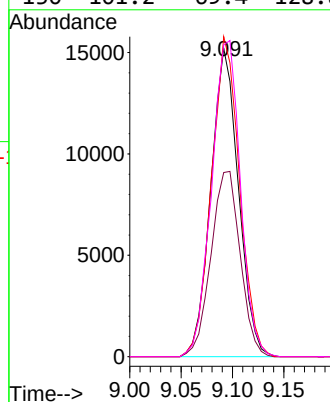
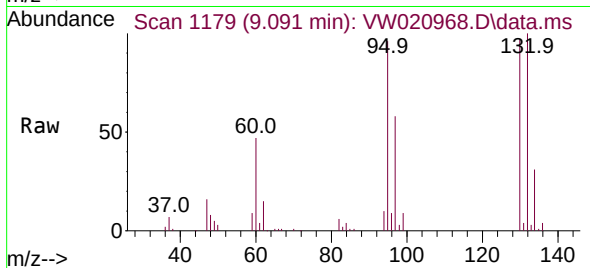
Ion Ratio Lower Upper

95 100

97 59.7 47.0 87.2

132 103.8 65.5 121.6

130 101.2 69.4 128.8



#35

Methylcyclohexane

Concen: 14.724 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

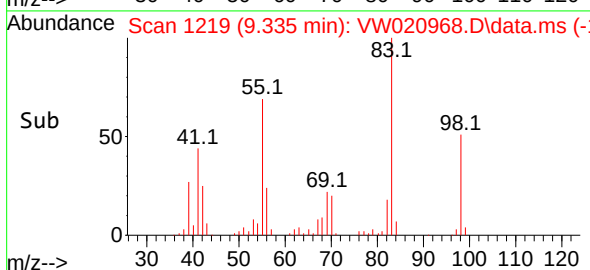
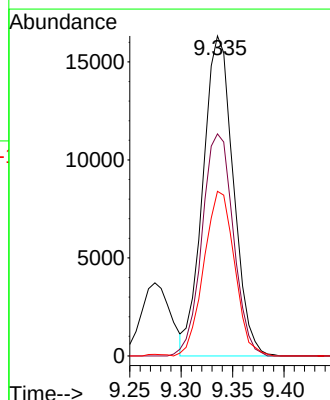
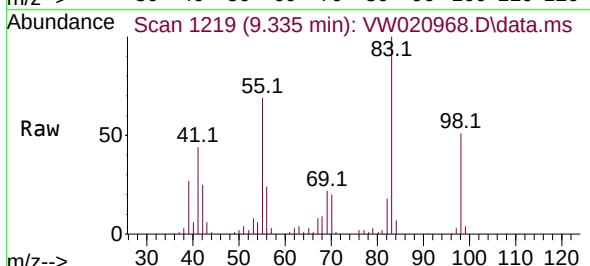
Tgt Ion: 83 Resp: 33555

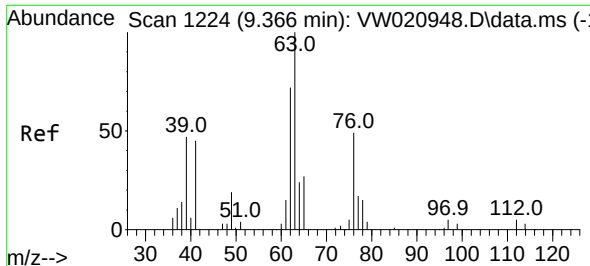
Ion Ratio Lower Upper

83 100

55 71.3 70.8 106.2

98 51.9 37.7 56.5





#37

1,2-Dichloropropane

Concen: 22.996 ug/L

RT: 9.372 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

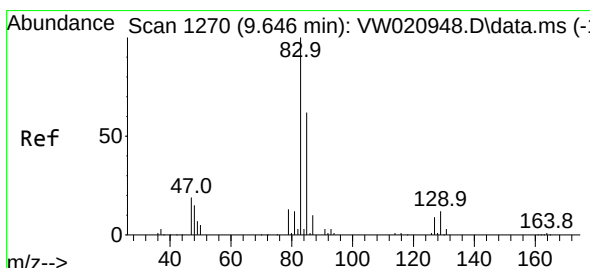
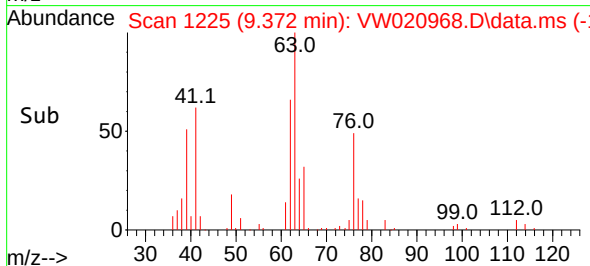
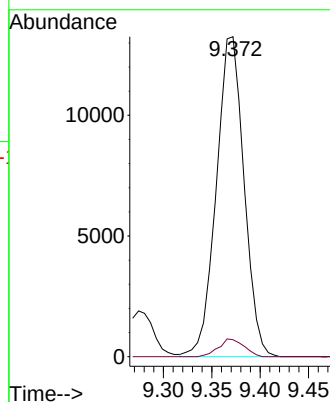
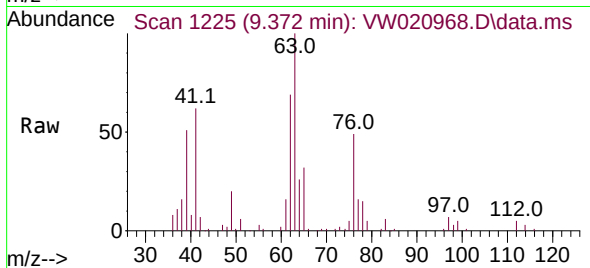
ESQM8MSD

Tgt Ion: 63 Resp: 26448

Ion Ratio Lower Upper

63 100

112 5.1 3.2 4.8#



#38

Bromodichloromethane

Concen: 22.814 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

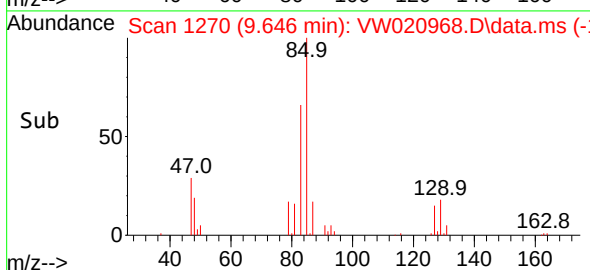
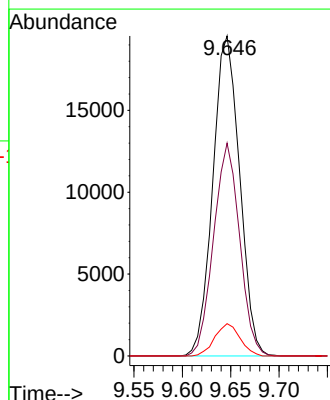
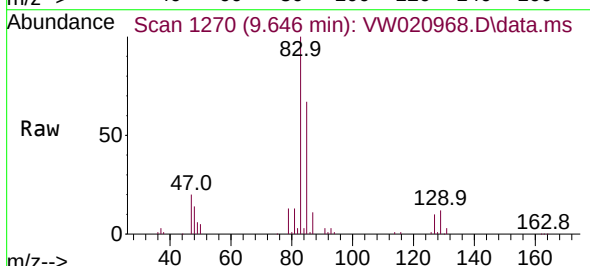
Tgt Ion: 83 Resp: 37655

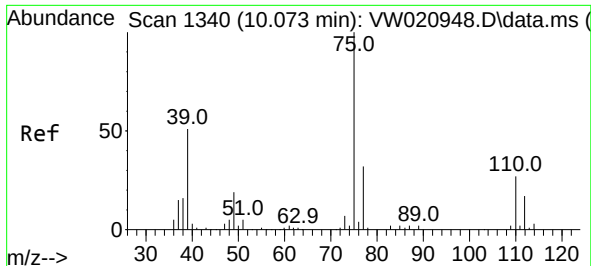
Ion Ratio Lower Upper

83 100

85 66.5 44.1 81.9

127 10.1 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 21.236 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

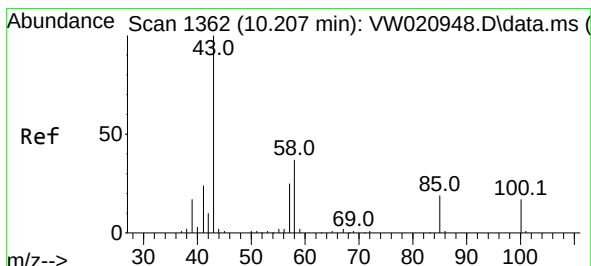
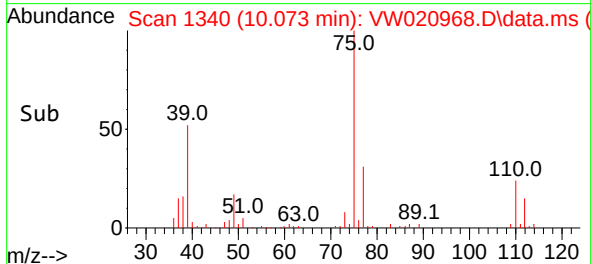
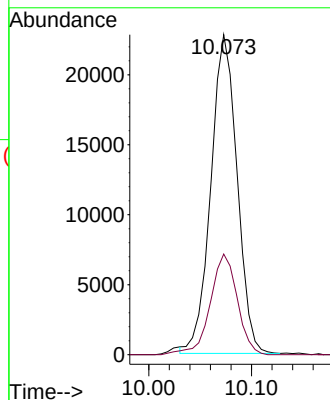
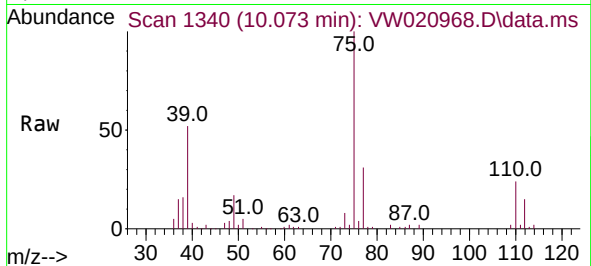
ESQM8MSD

Tgt Ion: 75 Resp: 40325

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 48.041 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

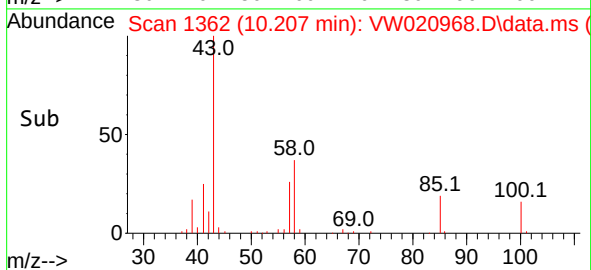
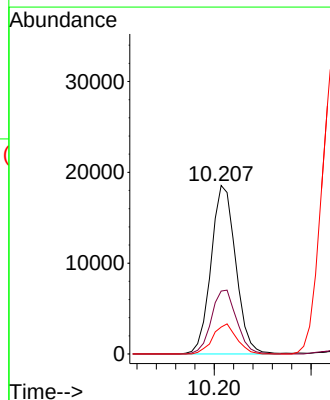
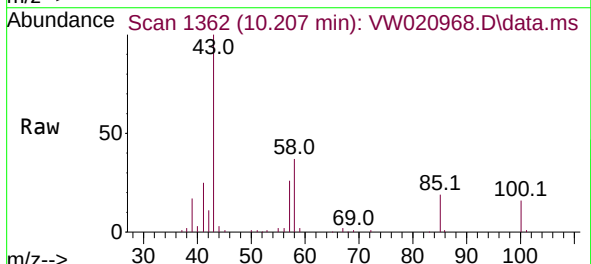
Tgt Ion: 43 Resp: 32886

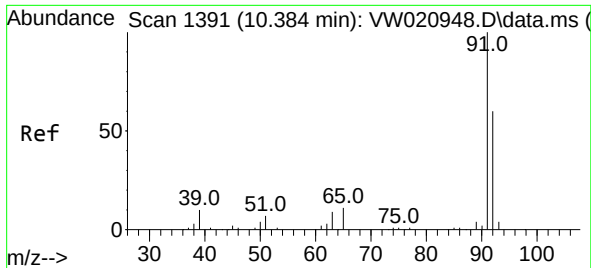
Ion Ratio Lower Upper

43 100

58 38.6 28.8 43.2

100 17.1 10.0 15.0#

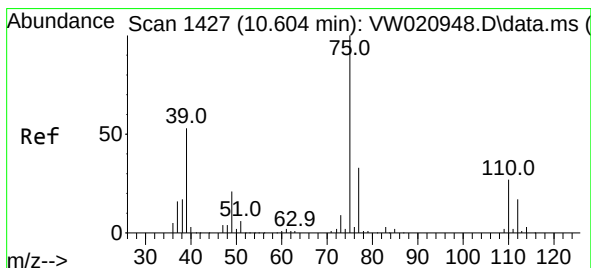
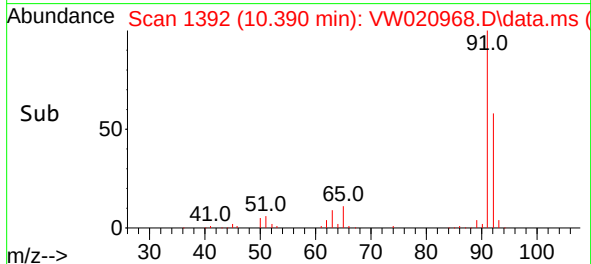
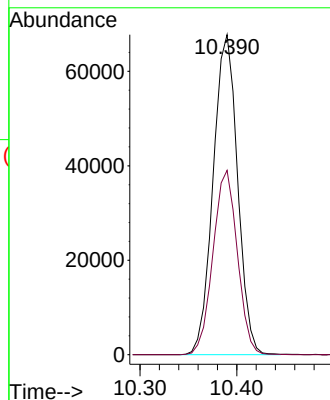
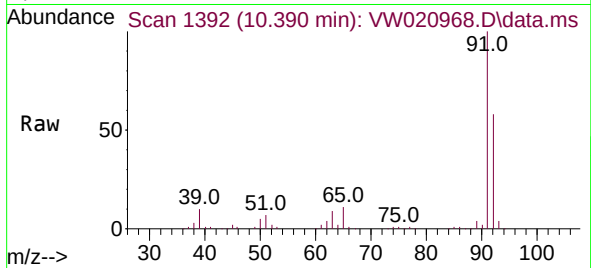




#42
Toluene
Concen: 21.360 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

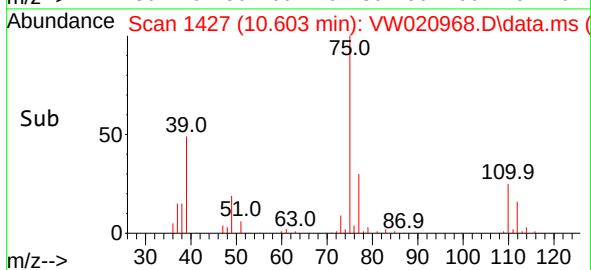
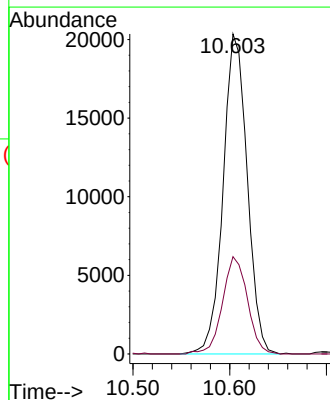
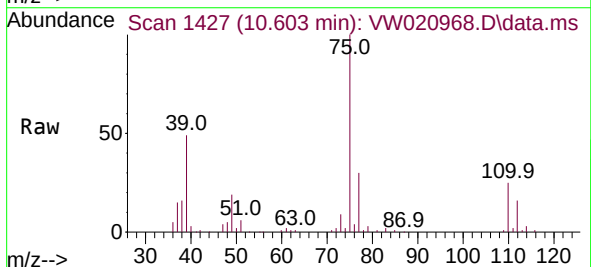
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

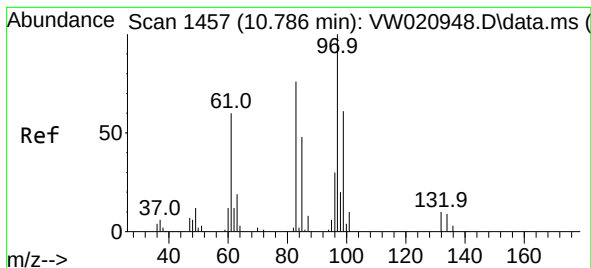
Tgt Ion: 91 Resp: 118728
Ion Ratio Lower Upper
91 100
92 57.6 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 21.068 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion: 75 Resp: 35159
Ion Ratio Lower Upper
75 100
77 30.4 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 24.081 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

Tgt Ion: 97 Resp: 21540

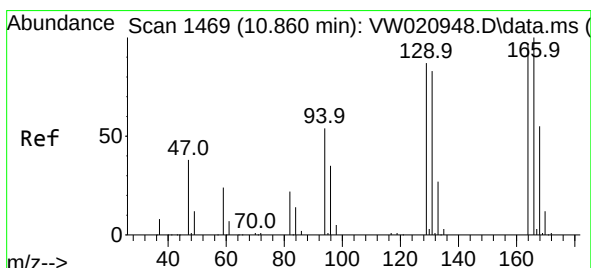
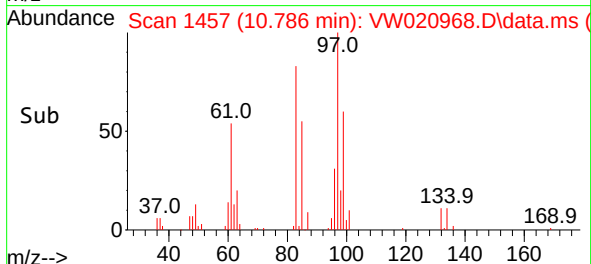
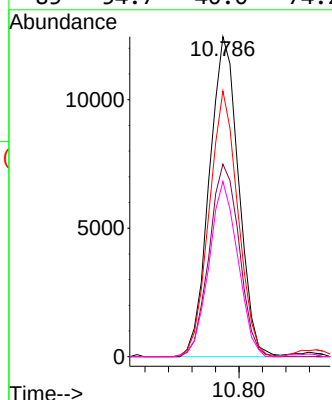
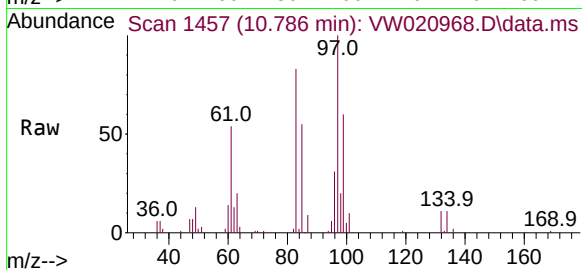
Ion Ratio Lower Upper

97 100

99 60.1 43.0 79.8

83 83.1 62.6 116.3

85 54.7 40.0 74.2



#46

Tetrachloroethene

Concen: 18.452 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Tgt Ion:164 Resp: 23418

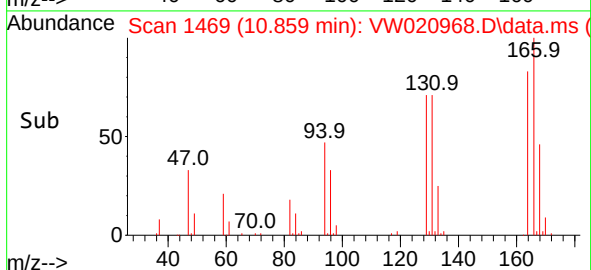
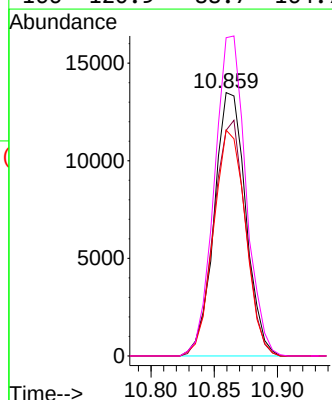
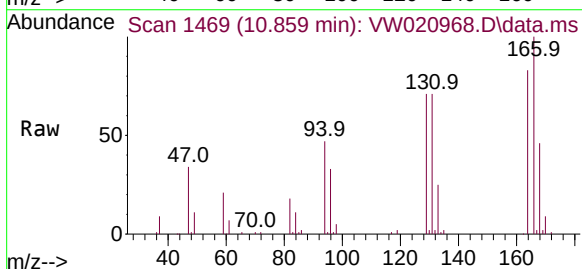
Ion Ratio Lower Upper

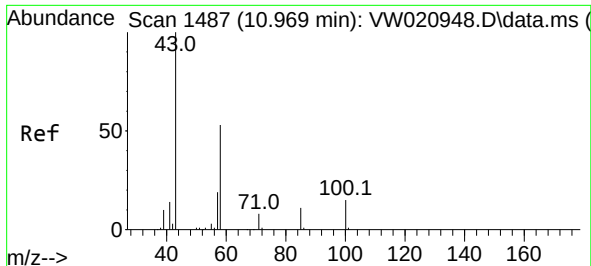
164 100

129 85.7 65.5 121.7

131 85.8 59.7 110.9

166 120.9 88.7 164.7

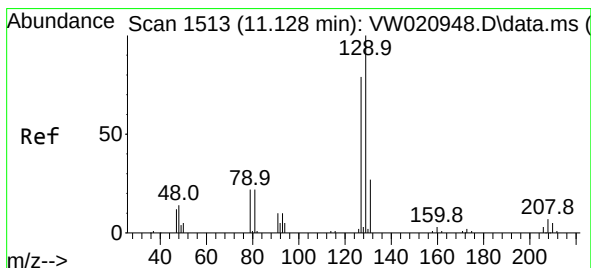
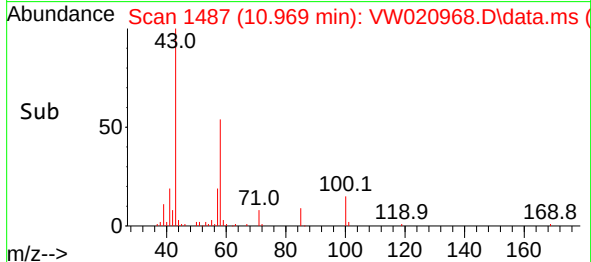
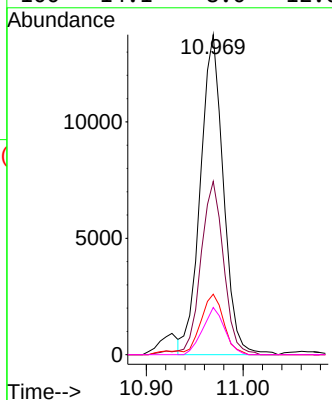
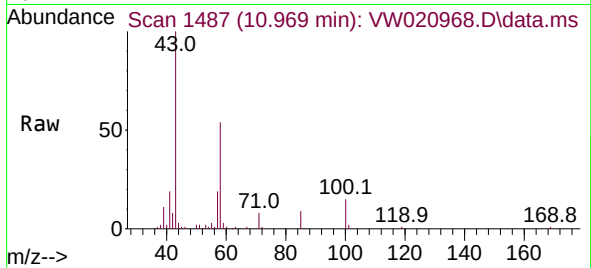




#48
2-Hexanone
Concen: 48.087 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

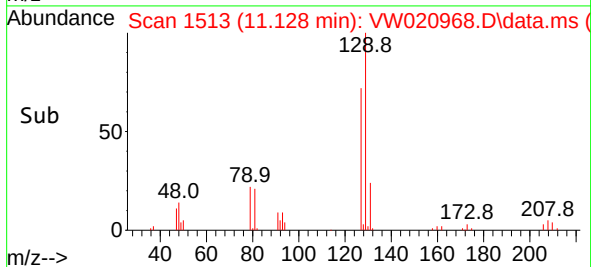
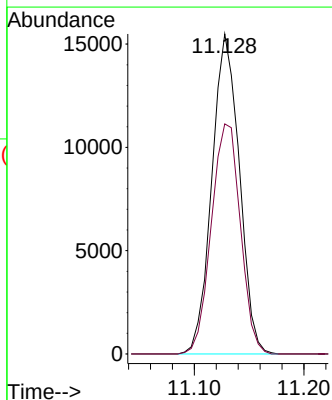
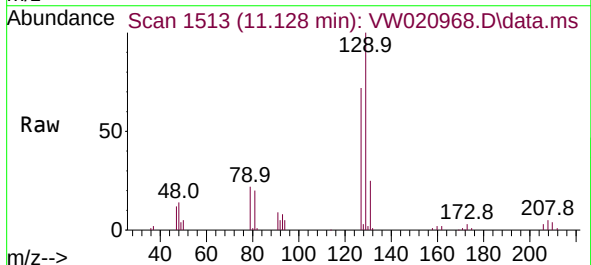
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

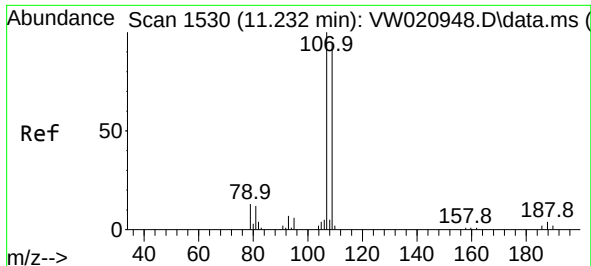
Tgt Ion: 43 Resp: 22801
Ion Ratio Lower Upper
43 100
58 53.3 40.2 60.2
57 18.6 14.3 21.5
100 14.1 8.0 12.0#



#49
Dibromochloromethane
Concen: 21.865 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion:129 Resp: 26963
Ion Ratio Lower Upper
129 100
127 71.9 55.7 103.5





#50

1,2-Dibromoethane

Concen: 22.072 ug/L

RT: 11.237 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

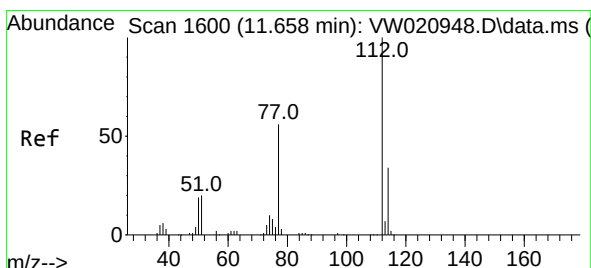
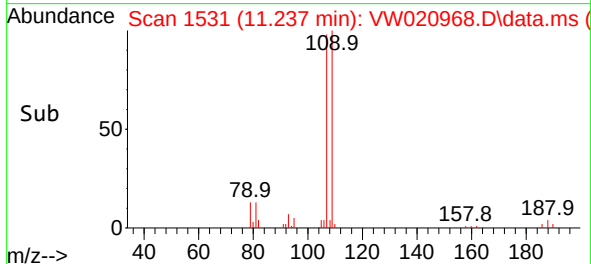
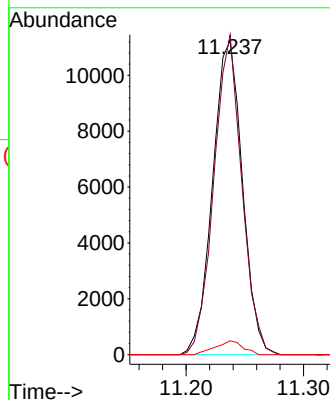
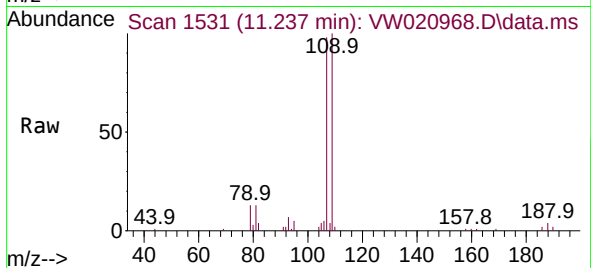
Tgt Ion:107 Resp: 19794

Ion Ratio Lower Upper

107 100

109 101.9 64.1 119.1

188 4.4 2.6 3.8#



#51

Chlorobenzene

Concen: 19.667 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

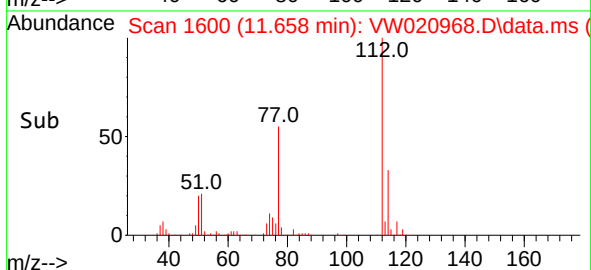
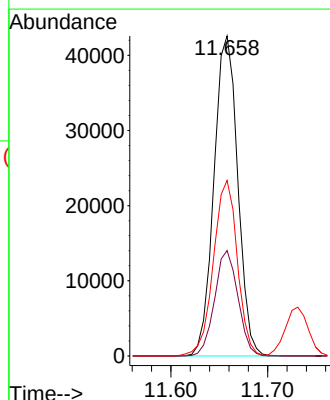
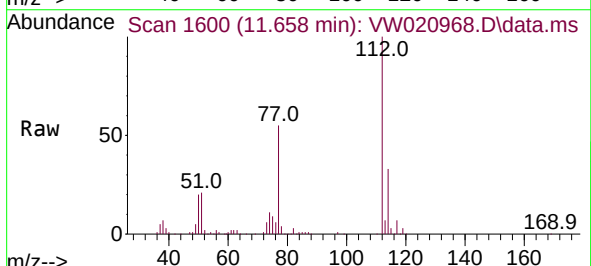
Tgt Ion:112 Resp: 72707

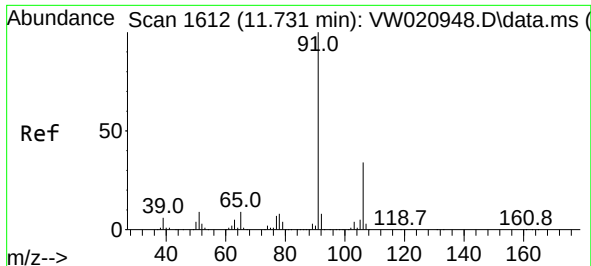
Ion Ratio Lower Upper

112 100

114 33.0 22.4 41.6

77 54.8 50.2 75.4





#52

Ethylbenzene

Concen: 19.442 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

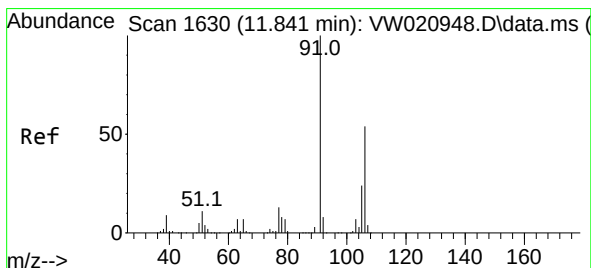
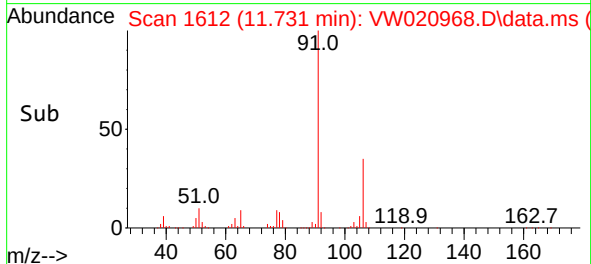
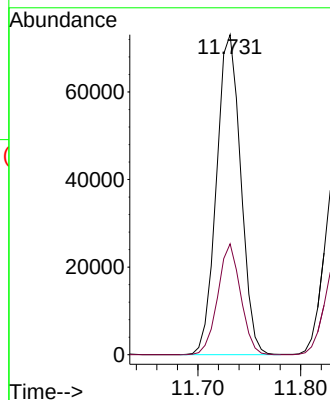
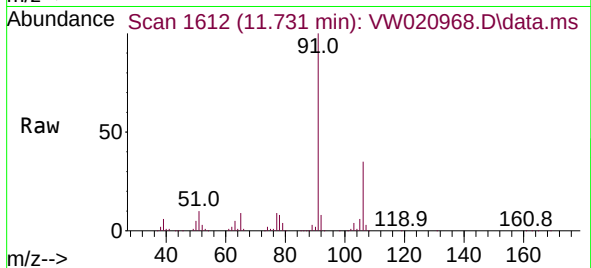
ESQM8MSD

Tgt Ion: 91 Resp: 119749

Ion Ratio Lower Upper

91 100

106 34.7 21.5 39.9



#53

m,p-Xylene

Concen: 19.438 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. -0.000 min

Lab File: VW020968.D

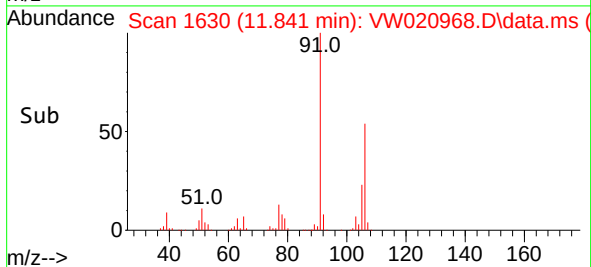
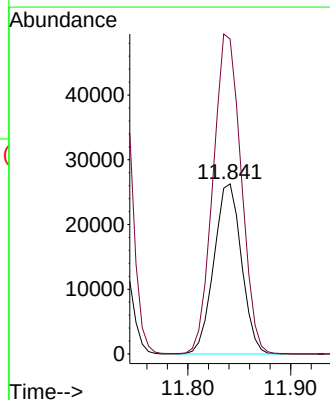
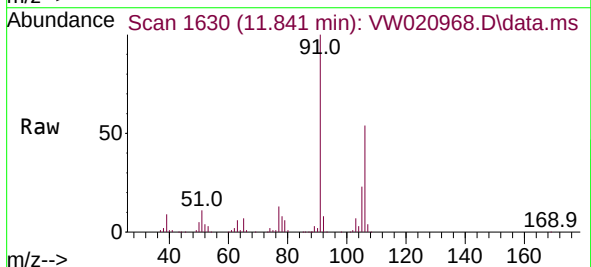
Acq: 26 Nov 2021 19:28

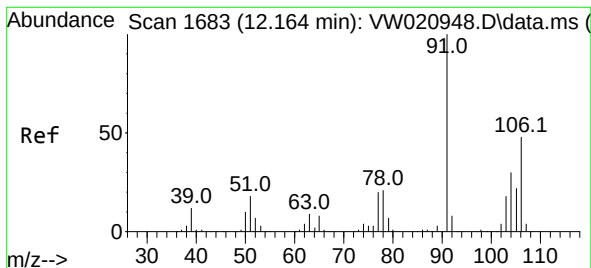
Tgt Ion:106 Resp: 48880

Ion Ratio Lower Upper

106 100

91 185.2 149.9 278.3





#54

o-Xylene

Concen: 19.892 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

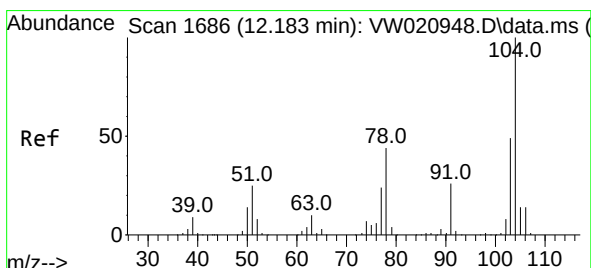
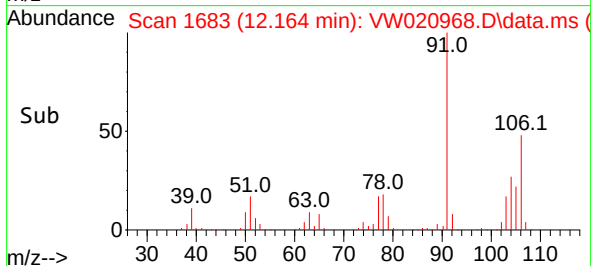
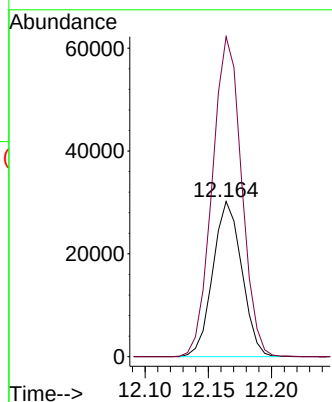
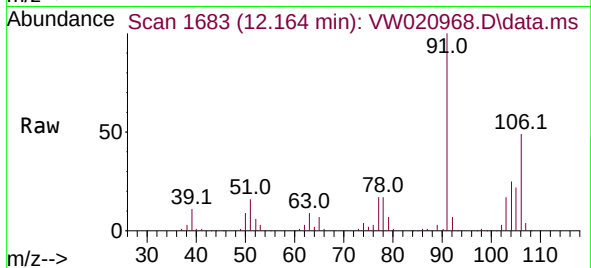
ESQM8MSD

Tgt Ion:106 Resp: 48042

Ion Ratio Lower Upper

106 100

91 206.1 153.6 285.3



#55

Styrene

Concen: 19.437 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VW020968.D

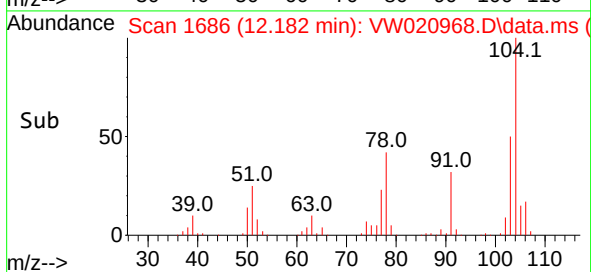
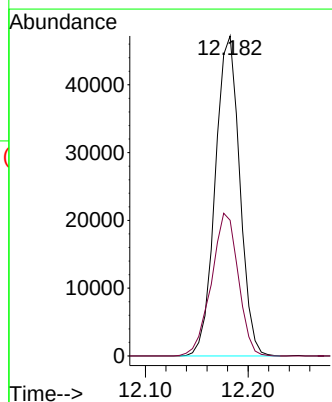
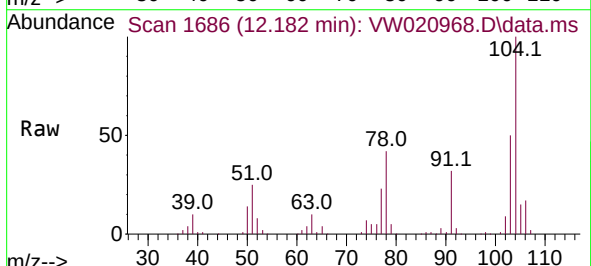
Acq: 26 Nov 2021 19:28

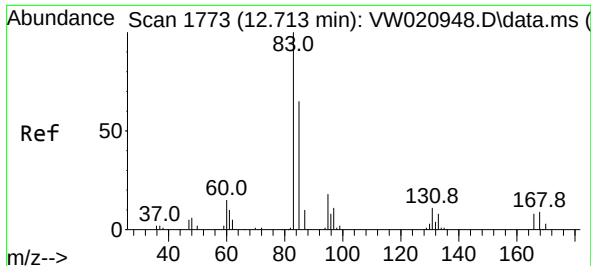
Tgt Ion:104 Resp: 77944

Ion Ratio Lower Upper

104 100

78 42.4 34.4 64.0





#57

1,1,2-Tetrachloroethane

Concen: 23.138 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

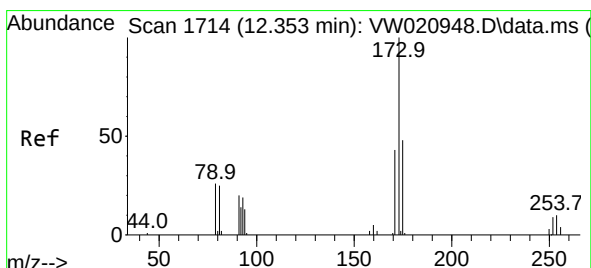
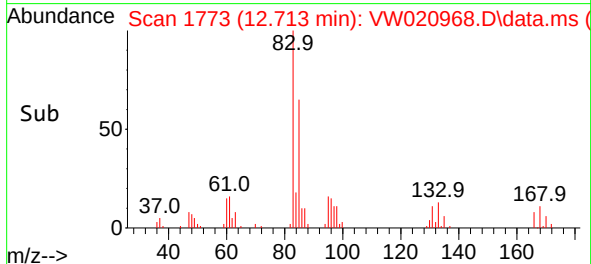
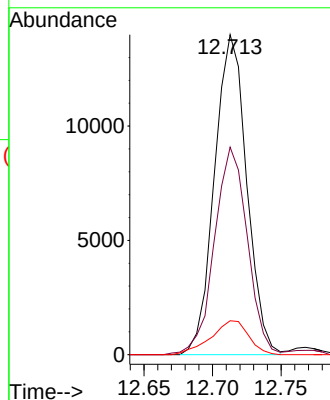
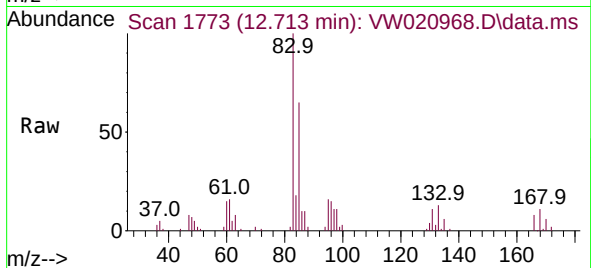
Tgt Ion: 83 Resp: 22939

Ion Ratio Lower Upper

83 100

85 64.9 44.0 81.6

131 10.6 6.9 10.3#



#59

Bromoform

Concen: 24.467 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

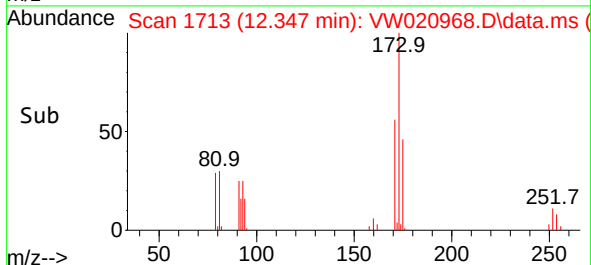
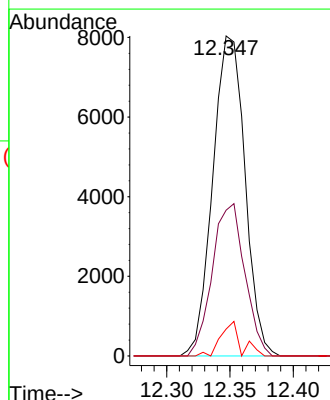
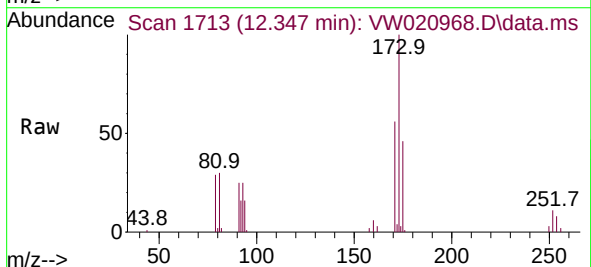
Tgt Ion:173 Resp: 14233

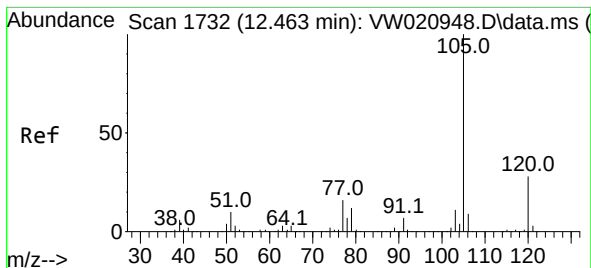
Ion Ratio Lower Upper

173 100

175 48.0 39.6 59.4

254 5.0 7.4 11.0#





#60

Isopropylbenzene

Concen: 22.952 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

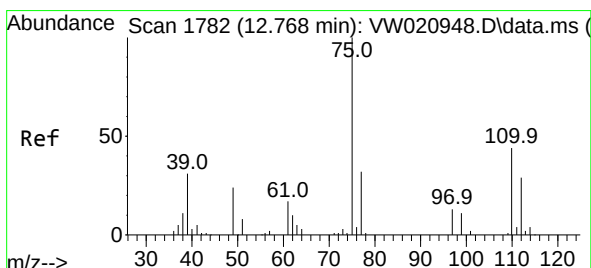
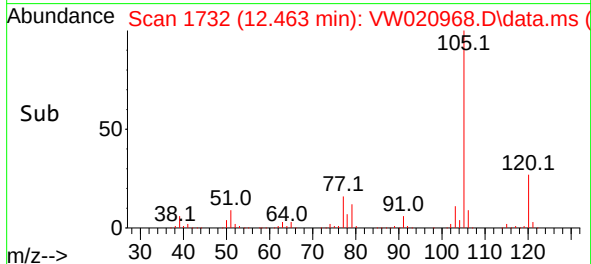
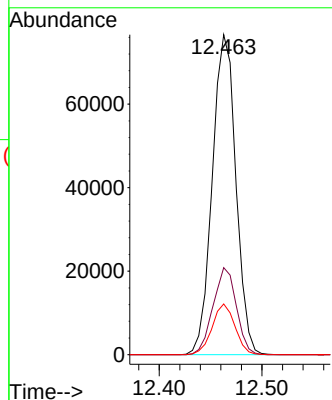
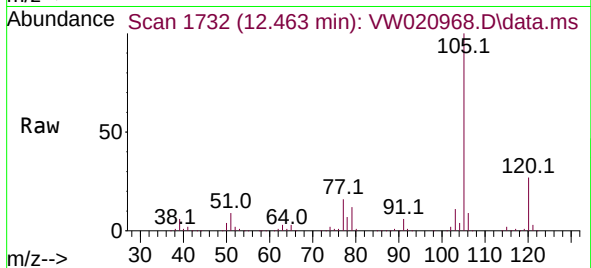
Tgt Ion:105 Resp: 121961

Ion Ratio Lower Upper

105 100

120 26.9 20.1 30.1

77 15.4 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 28.854 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

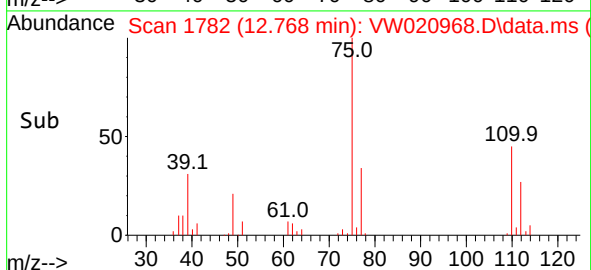
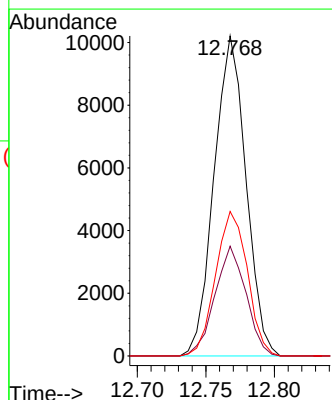
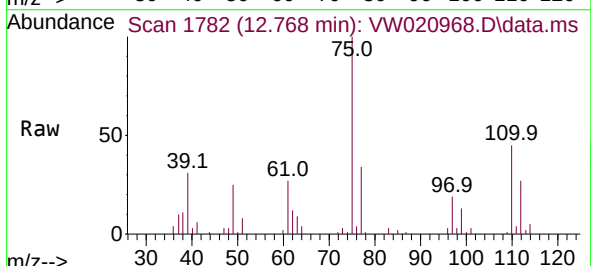
Tgt Ion: 75 Resp: 16512

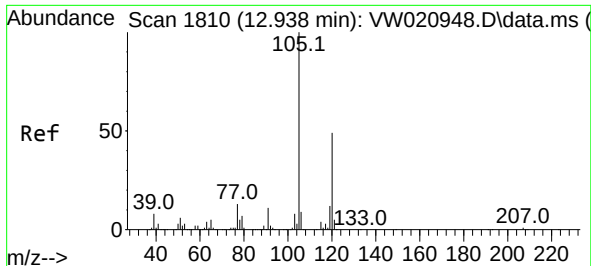
Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.8

110 45.2 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 22.204 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

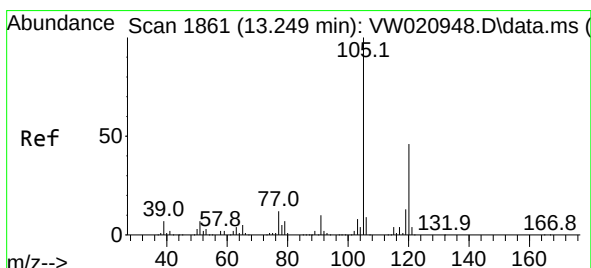
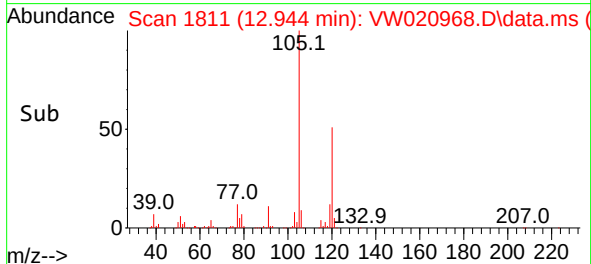
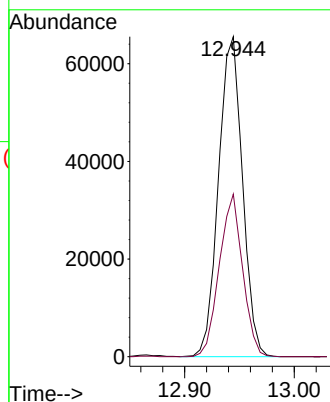
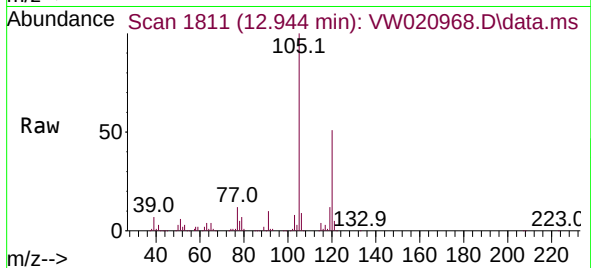
ESQM8MSD

Tgt Ion:105 Resp: 99532

Ion Ratio Lower Upper

105 100

120 49.4 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 21.892 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW020968.D

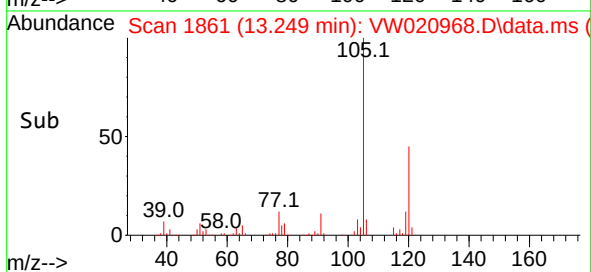
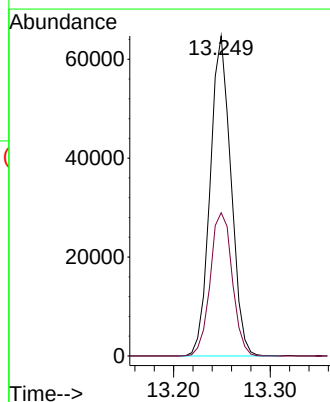
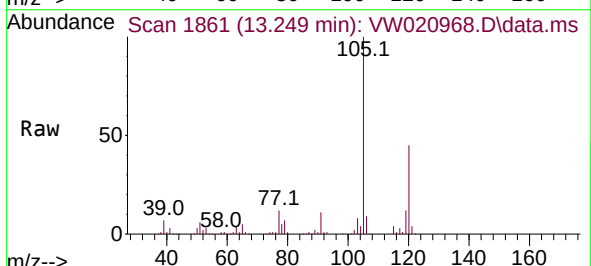
Acq: 26 Nov 2021 19:28

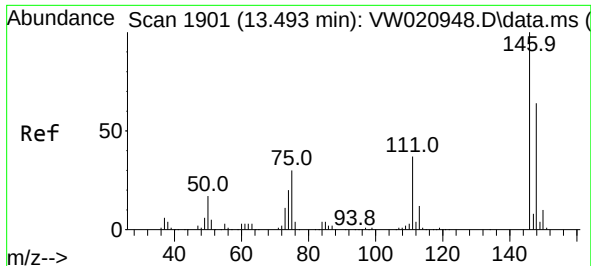
Tgt Ion:105 Resp: 96821

Ion Ratio Lower Upper

105 100

120 47.3 35.0 52.6

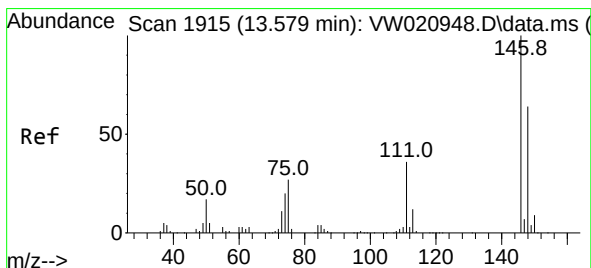
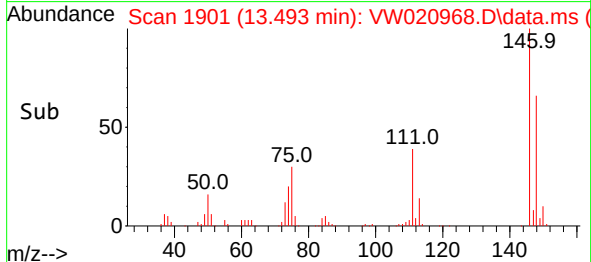
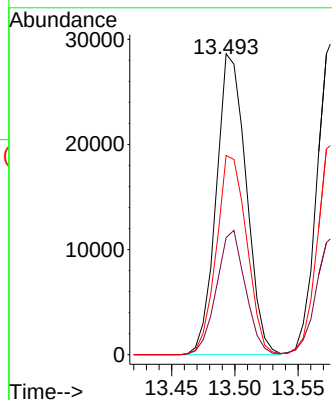
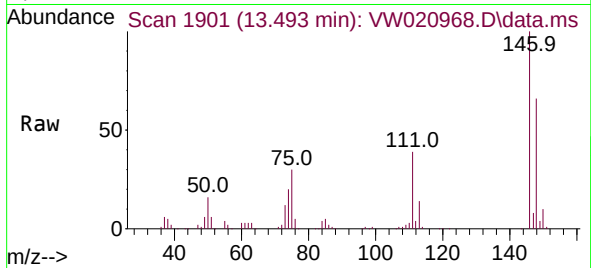




#64
1,3-Dichlorobenzene
Concen: 18.905 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

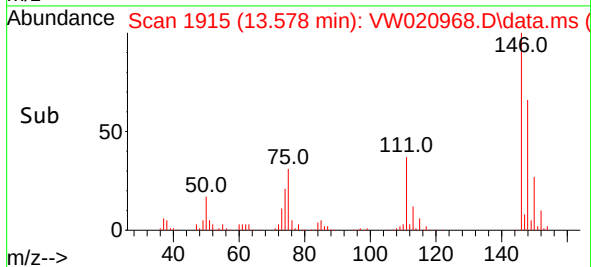
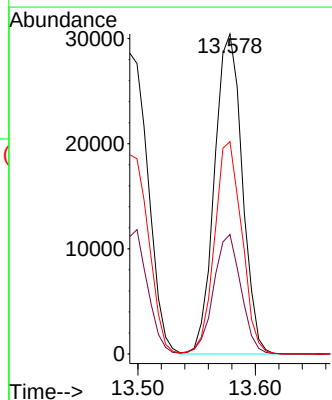
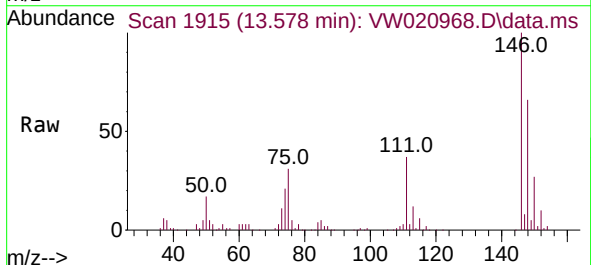
Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

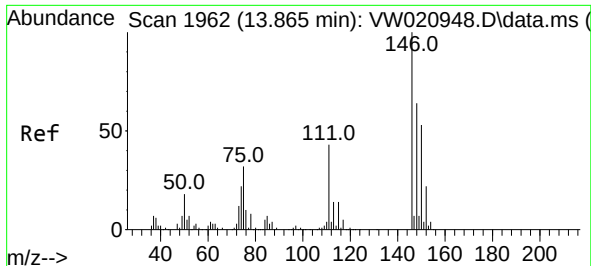
Tgt Ion:146 Resp: 47098
Ion Ratio Lower Upper
146 100
111 38.9 29.8 55.3
148 66.2 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 19.901 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion:146 Resp: 50012
Ion Ratio Lower Upper
146 100
111 37.3 29.0 53.9
148 66.3 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 21.124 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

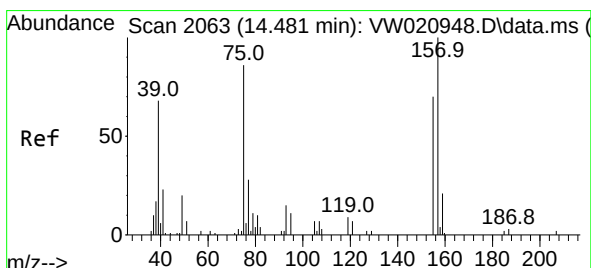
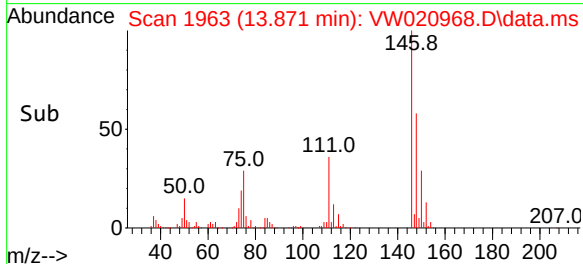
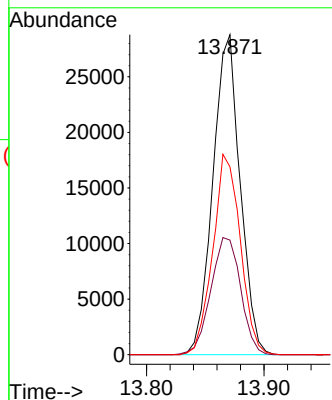
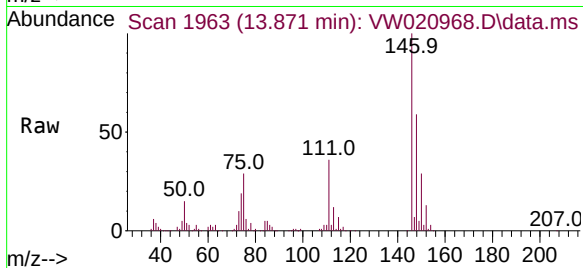
Tgt Ion:146 Resp: 46375

Ion Ratio Lower Upper

146 100

111 35.8 33.1 49.7

148 58.7 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 25.202 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

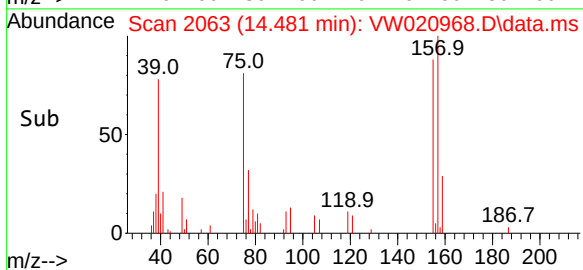
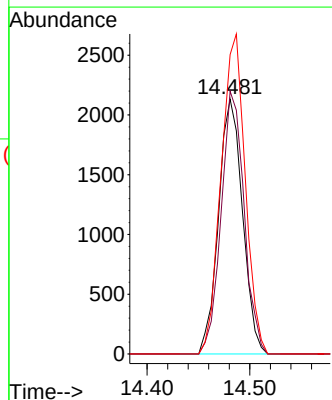
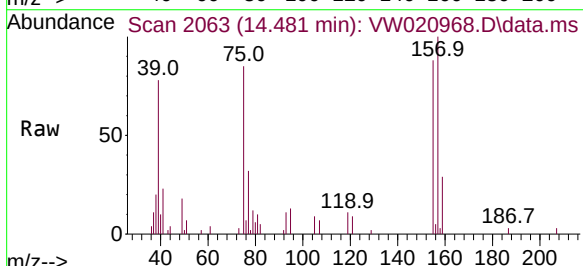
Tgt Ion: 75 Resp: 3448

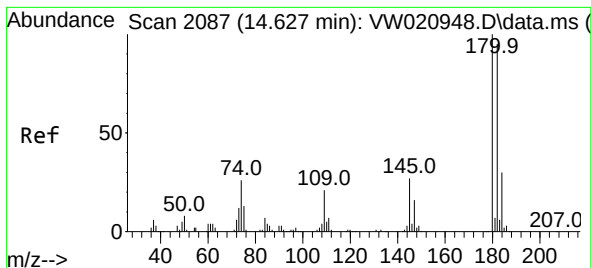
Ion Ratio Lower Upper

75 100

155 103.1 54.2 81.2#

157 117.5 69.4 104.2#





#69

1,3,5-Trichlorobenzene

Concen: 14.519 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. -0.000 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

Instrument :

MSVOA_W

ClientSampleId :

ESQM8MSD

Tgt Ion:180 Resp: 28649

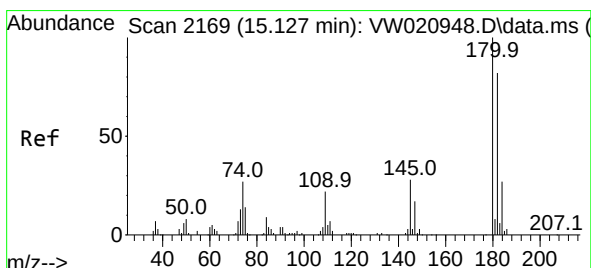
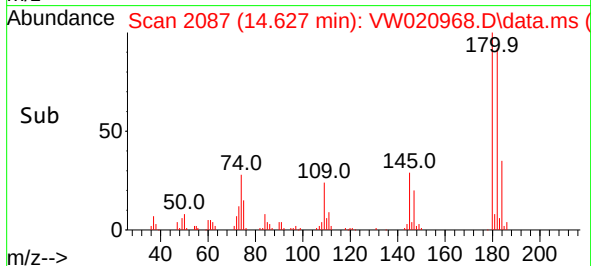
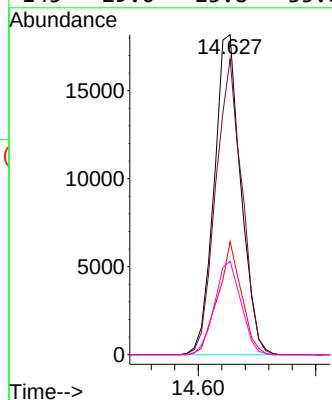
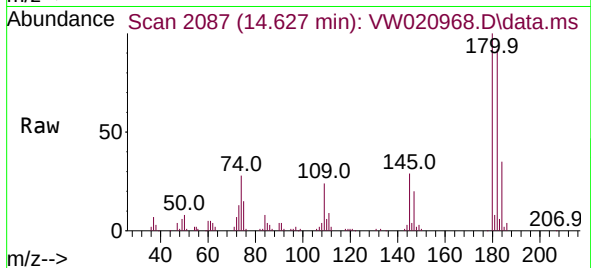
Ion Ratio Lower Upper

180 100

182 91.2 75.4 113.0

184 31.3 23.8 35.8

145 29.0 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 14.224 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VW020968.D

Acq: 26 Nov 2021 19:28

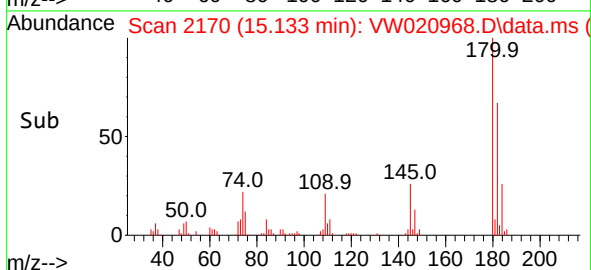
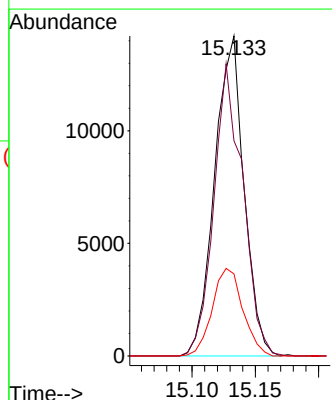
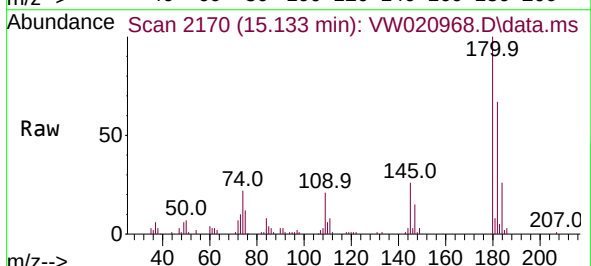
Tgt Ion:180 Resp: 22962

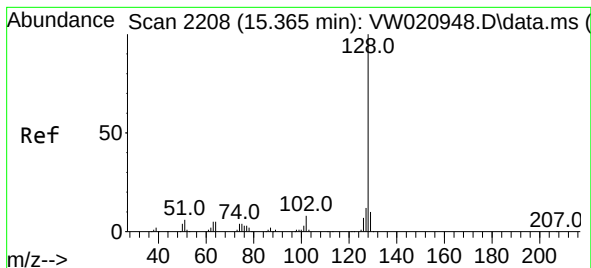
Ion Ratio Lower Upper

180 100

182 89.9 79.0 118.6

145 28.5 26.0 39.0

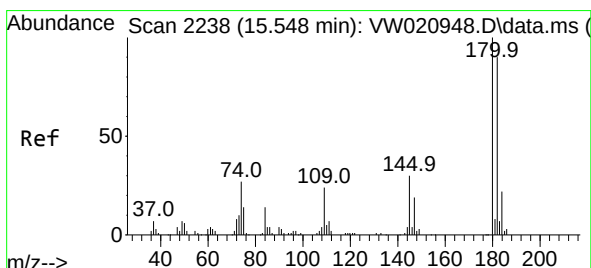
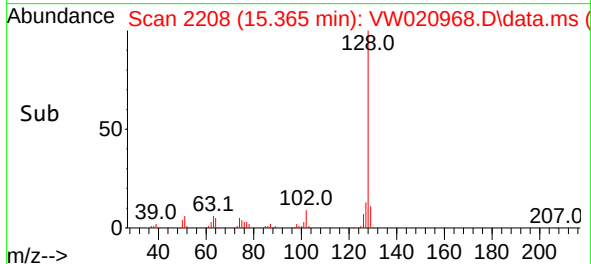
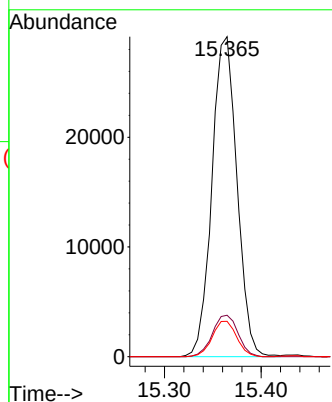
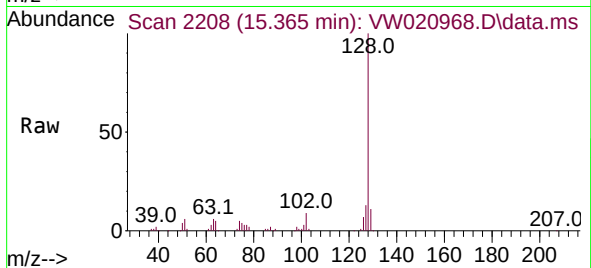




#71
Naphthalene
Concen: 19.974 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Instrument :
MSVOA_W
ClientSampleId :
ESQM8MSD

Tgt Ion:	128	Resp:	52538
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	10.9	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 14.154 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW020968.D
Acq: 26 Nov 2021 19:28

Tgt Ion:	180	Resp:	19281
Ion Ratio	Lower	Upper	
180	100		
182	100.8	76.6	114.8
145	32.1	27.4	41.0

