

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050322\
 Data File : VW022770.D
 Acq On : 03 May 2022 14:25
 Operator : SY/VA
 Sample : N2639-12MS
 Misc : 5.03g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EXL21MS

Quant Time: May 04 01:26:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 04 01:21:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	344134	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	345561	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	196546	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	135442	19.183	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.720%
7) Chloroethane-d5	2.885	69	102242	22.259	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.040%
11) 1,1-Dichloroethene-d2	4.025	63	179384	19.663	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.640%
21) 2-Butanone-d5	7.080	46	72944	54.338	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.680%
24) Chloroform-d	7.653	84	220466	21.867	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.480%
26) 1,2-Dichloroethane-d4	8.305	65	126205	22.823	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.280%
32) Benzene-d6	8.275	84	413754	20.773	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.080%
36) 1,2-Dichloropropane-d6	9.274	67	122276	21.855	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.400%
41) Toluene-d8	10.323	98	398915	20.733	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.920%
43) trans-1,3-Dichloroprop...	10.579	79	56868	22.075	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.280%
47) 2-Hexanone-d5	10.920	63	59841	56.027	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.060%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	137097	26.289	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.160%
66) 1,2-Dichlorobenzene-d4	13.853	152	149009	21.688	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	42985	22.913	ug/L	94
3) Chloromethane	2.221	50	75808	20.912	ug/L	97
5) Vinyl chloride	2.361	62	156080	21.453	ug/L	100
6) Bromomethane	2.776	94	99885	21.383	ug/L	95
8) Chloroethane	2.922	64	82804	23.597	ug/L	100
9) Trichlorofluoromethane	3.251	101	70150	21.096	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	107643	21.650	ug/L	98
12) 1,1-Dichloroethene	4.044	96	93174	21.139	ug/L	96
13) Acetone	4.123	43	65701	65.371	ug/L	98
14) Carbon disulfide	4.391	76	234180	19.380	ug/L	98
15) Methyl Acetate	4.672	43	54138	26.812	ug/L	99
16) Methylene chloride	4.922	84	107768	21.401	ug/L	98
17) trans-1,2-Dichloroethene	5.428	96	103458	20.858	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	185883	24.549	ug/L	99
19) 1,1-Dichloroethane	6.220	63	187801	22.340	ug/L	96
20) cis-1,2-Dichloroethene	7.171	96	118707	22.282	ug/L #	97
22) 2-Butanone	7.171	43	88646	63.068	ug/L	99
23) Bromochloromethane	7.513	128	56661	22.710	ug/L	92
25) Chloroform	7.677	83	217906	23.442	ug/L	97

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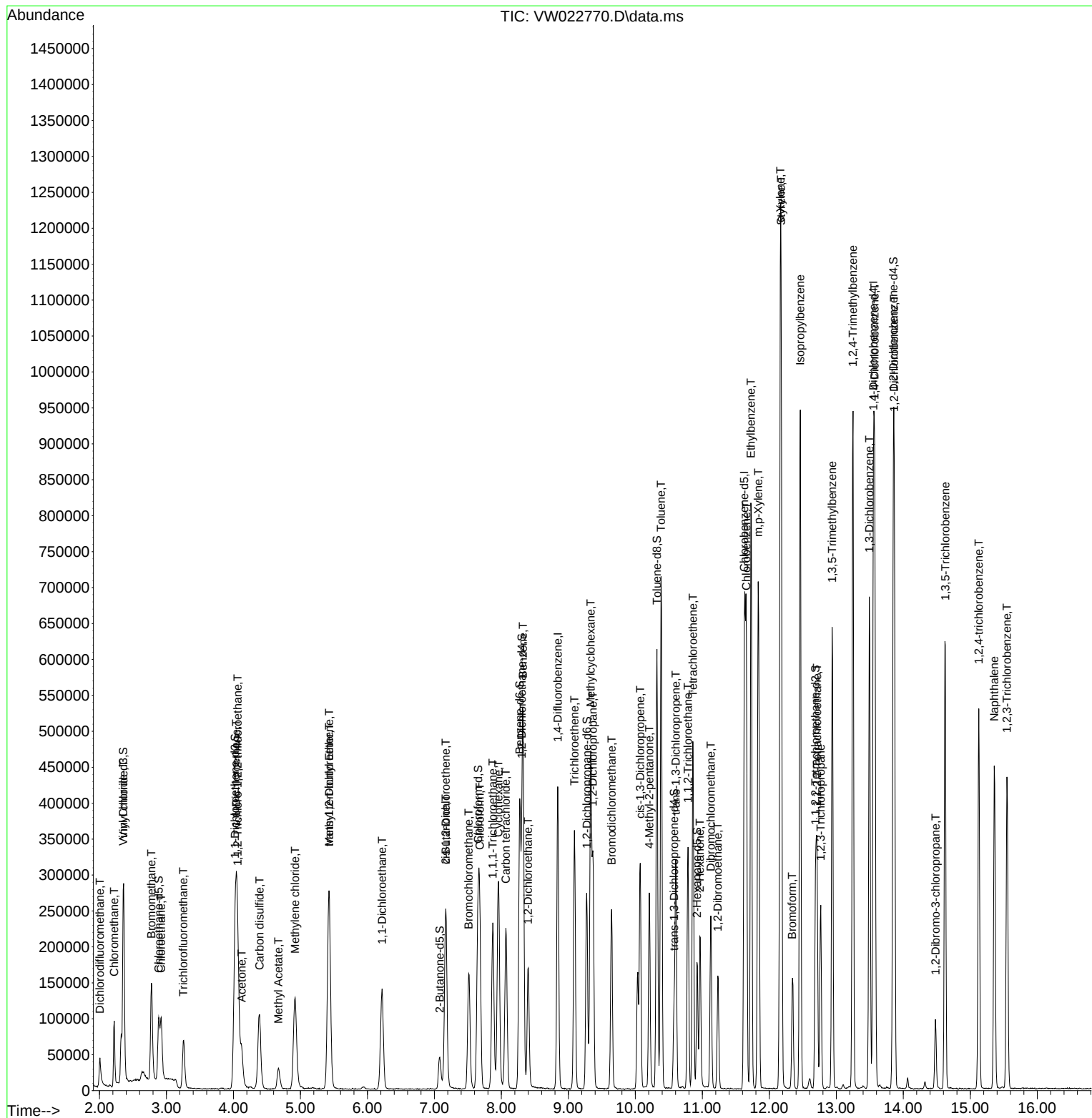
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27) 1,2-Dichloroethane	8.396	62	150547	24.296	ug/L	99
29) Cyclohexane	7.958	56	159640	21.361	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	180301	22.079	ug/L	99
31) Carbon tetrachloride	8.067	117	163227	21.368	ug/L	99
33) Benzene	8.323	78	444258	21.823	ug/L	100
34) Trichloroethene	9.091	95	120096	21.452	ug/L	97
35) Methylcyclohexane	9.335	83	193816	21.074	ug/L	97
37) 1,2-Dichloropropane	9.366	63	110331	22.396	ug/L	99
38) Bromodichloromethane	9.646	83	163741	23.401	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	180405	23.617	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	168066	54.126	ug/L	99
42) Toluene	10.384	91	508822	22.303	ug/L	99
44) trans-1,3-Dichloropropene	10.603	75	167070	24.504	ug/L	100
45) 1,1,2-Trichloroethane	10.786	97	101989	24.765	ug/L	94
46) Tetrachloroethene	10.859	164	94681	22.504	ug/L	86
48) 2-Hexanone	10.963	43	130194	62.754	ug/L	99
49) Dibromochloromethane	11.128	129	118024	23.812	ug/L	98
50) 1,2-Dibromoethane	11.231	107	102422	24.768	ug/L #	97
51) Chlorobenzene	11.658	112	334710	22.254	ug/L	98
52) Ethylbenzene	11.725	91	579755	22.842	ug/L	100
53) m,p-Xylene	11.835	106	227602	22.758	ug/L	89
54) o-Xylene	12.164	106	223889	23.329	ug/L	99
55) Styrene	12.176	104	395018	24.223	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.713	83	136093	26.458	ug/L	96
59) Bromoform	12.341	173	66471	23.864	ug/L	99
60) Isopropylbenzene	12.463	105	607322	22.555	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	99459	25.326	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	340201	22.710	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	508905	22.625	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	270152	22.472	ug/L	93
65) 1,4-Dichlorobenzene	13.572	146	280480	22.588	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	254716	23.154	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	22231	25.902	ug/L	90
69) 1,3,5-Trichlorobenzene	14.627	180	176722	22.146	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	147410	22.964	ug/L	96
71) Naphthalene	15.359	128	377598	27.065	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	136252	23.949	ug/L	98

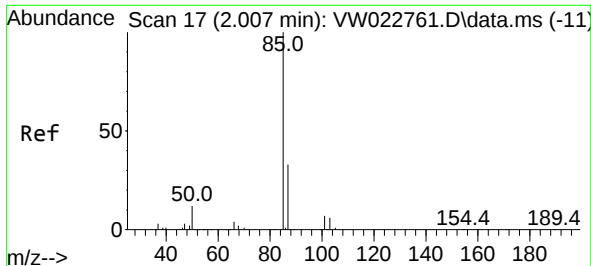
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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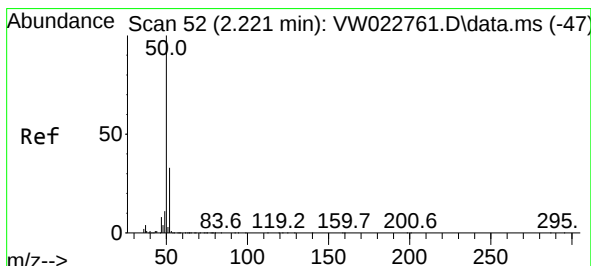
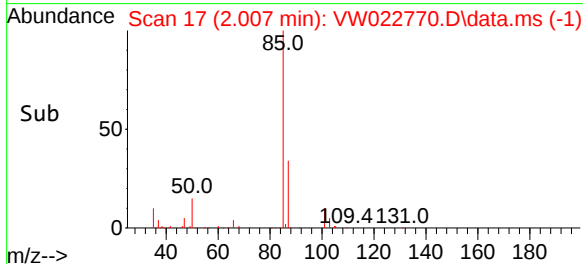
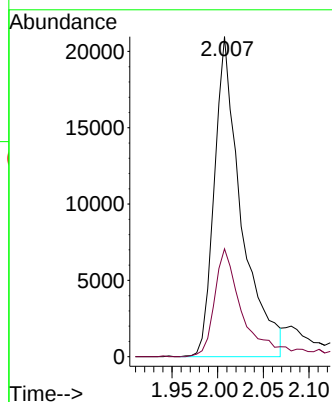
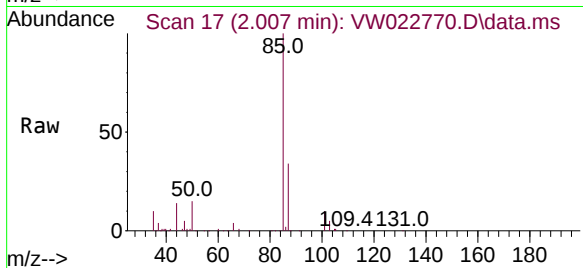




#2
 Dichlorodifluoromethane
 Concen: 22.913 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW022770.D
 Acq: 03 May 2022 14:25

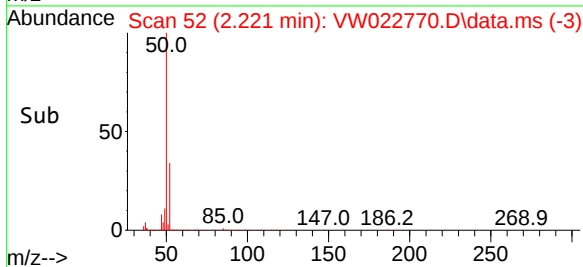
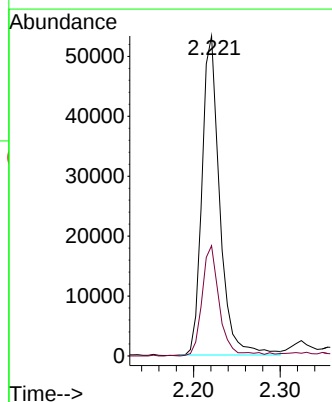
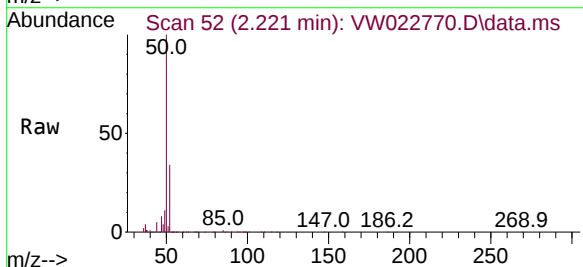
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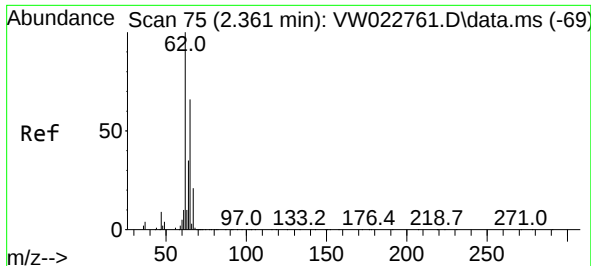
Tgt Ion: 85 Resp: 42985
 Ion Ratio Lower Upper
 85 100
 87 31.6 27.8 41.8



#3
 Chloromethane
 Concen: 20.912 ug/L
 RT: 2.221 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: VW022770.D
 Acq: 03 May 2022 14:25

Tgt Ion: 50 Resp: 75808
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.1 42.9

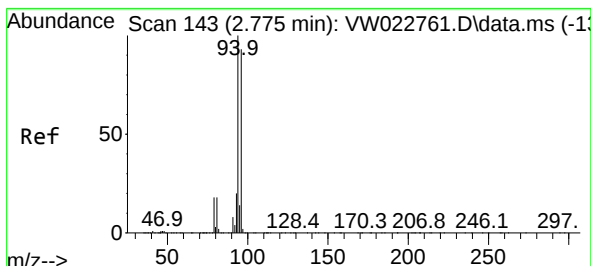
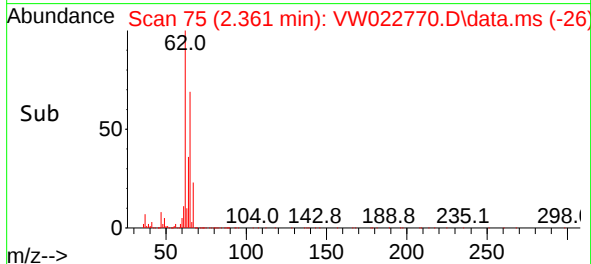
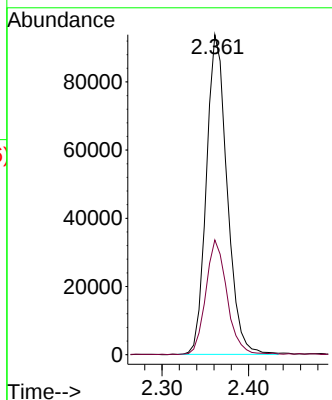
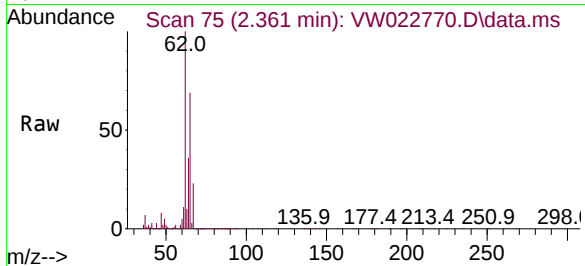




#5
 Vinyl chloride
 Concen: 21.453 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW022770.D
 Acq: 03 May 2022 14:25

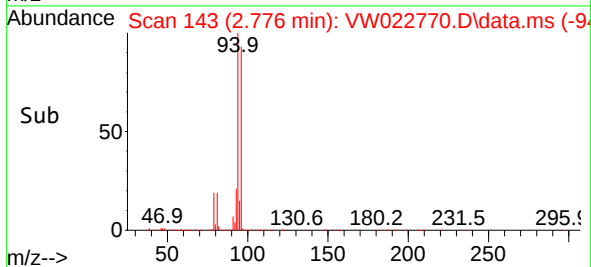
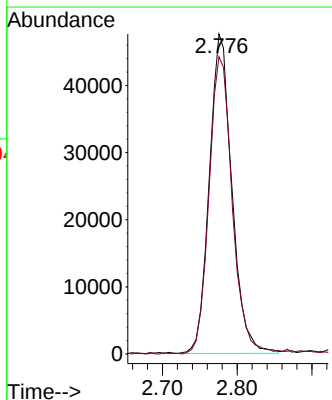
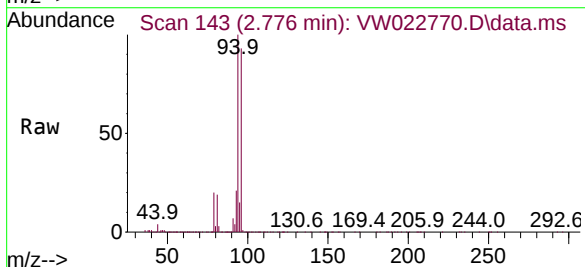
Instrument :
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 ClientSampleId :
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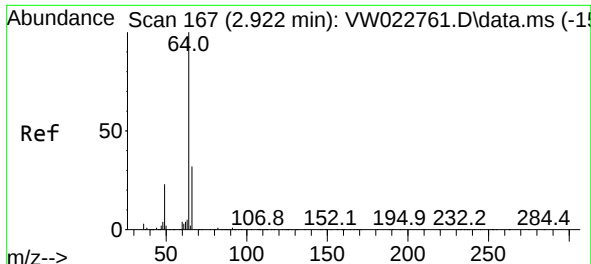
Tgt Ion: 62 Resp: 156080
 Ion Ratio Lower Upper
 62 100
 64 35.8 24.9 46.3



#6
 Bromomethane
 Concen: 21.383 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VW022770.D
 Acq: 03 May 2022 14:25

Tgt Ion: 94 Resp: 99885
 Ion Ratio Lower Upper
 94 100
 96 92.9 61.7 114.5

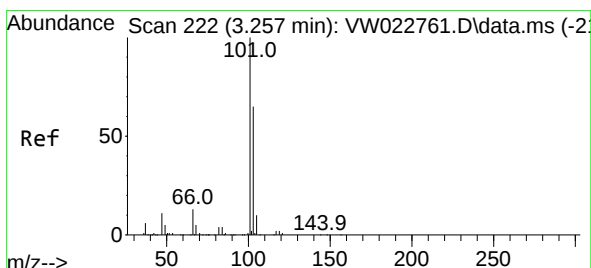
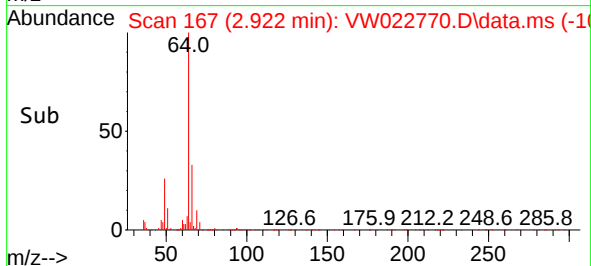
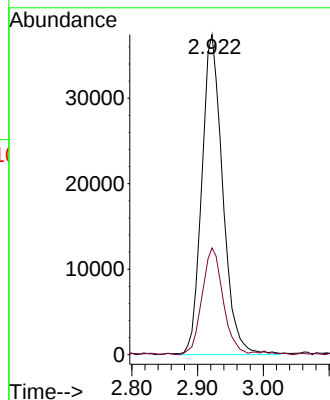
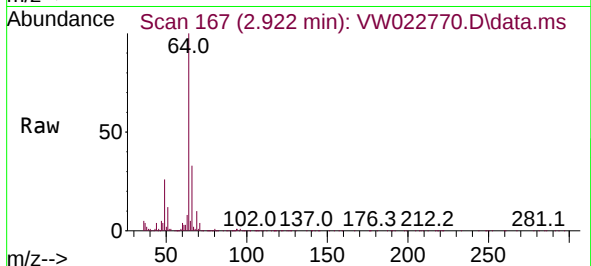




#8
Chloroethane
Concen: 23.597 ug/L
RT: 2.922 min Scan# 167
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

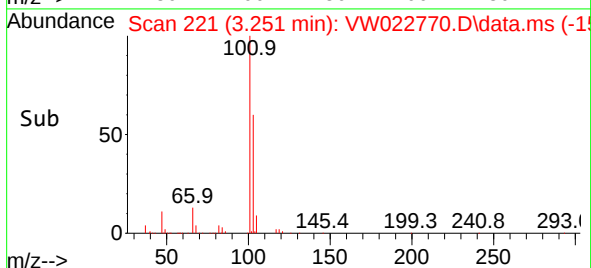
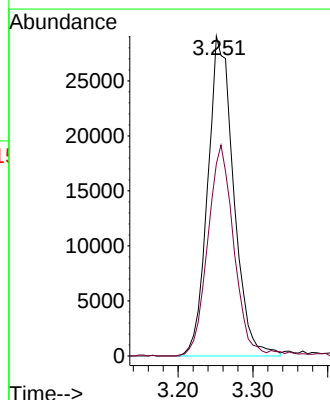
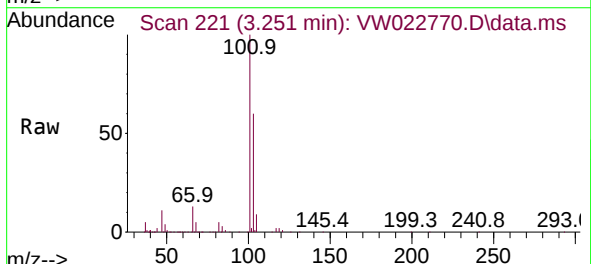
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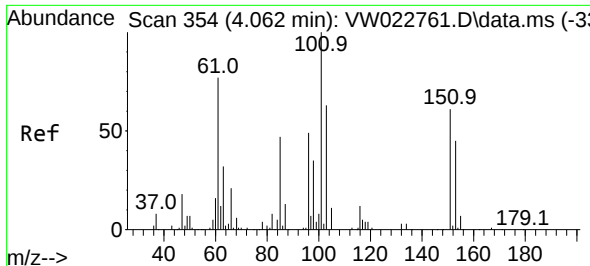
Tgt Ion: 64 Resp: 82804
Ion Ratio Lower Upper
64 100
66 33.4 23.4 43.6



#9
Trichlorofluoromethane
Concen: 21.096 ug/L
RT: 3.251 min Scan# 221
Delta R.T. -0.006 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 101 Resp: 70150
Ion Ratio Lower Upper
101 100
103 65.8 53.9 80.9

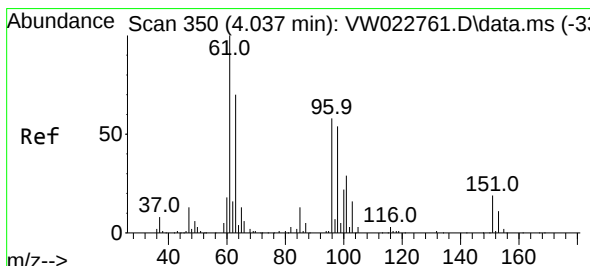
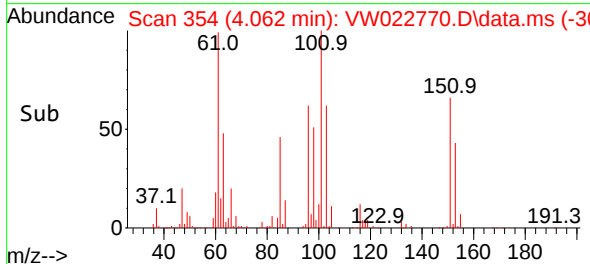
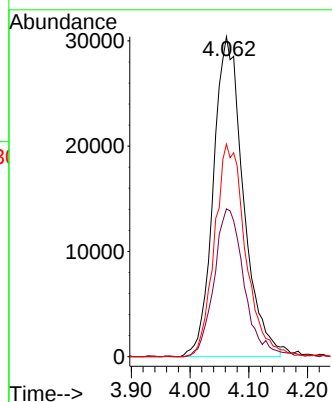
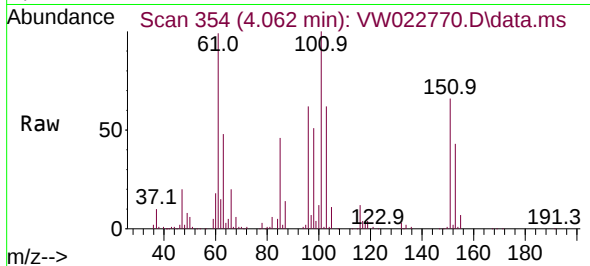




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.650 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW022770.D
 Acq: 03 May 2022 14:25

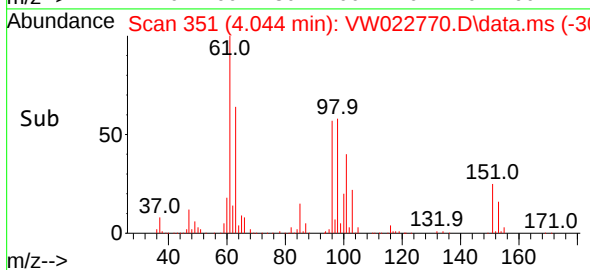
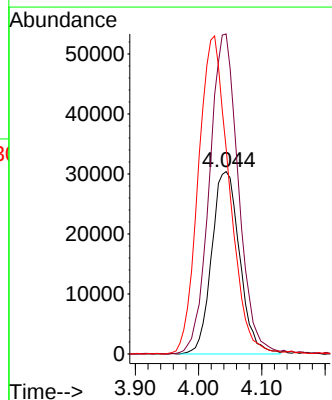
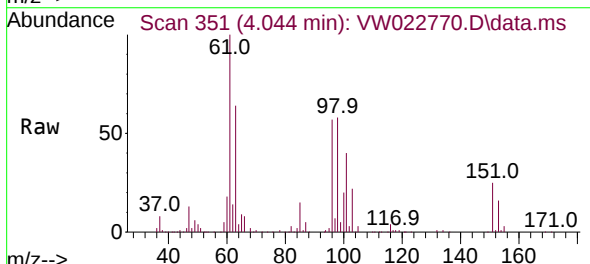
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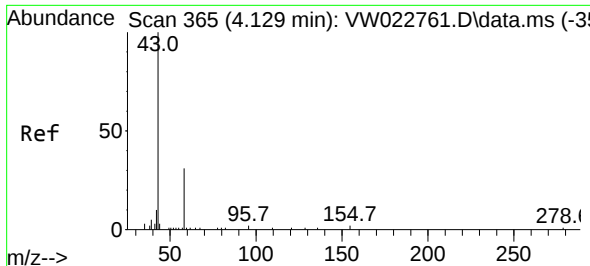
Tgt Ion:101 Resp: 107643
 Ion Ratio Lower Upper
 101 100
 85 44.5 34.3 51.5
 151 68.9 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 21.139 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW022770.D
 Acq: 03 May 2022 14:25

Tgt Ion: 96 Resp: 93174
 Ion Ratio Lower Upper
 96 100
 61 175.4 125.7 233.5
 63 112.8 83.4 155.0

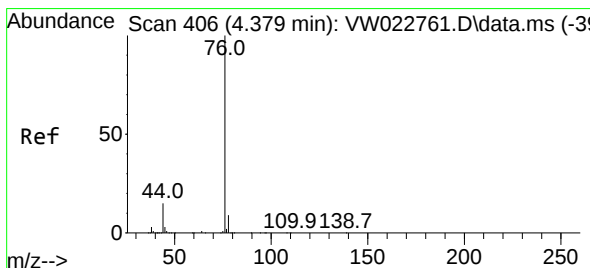
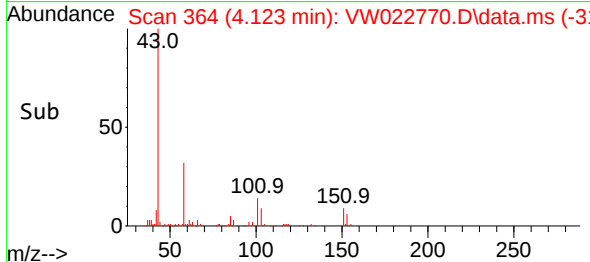
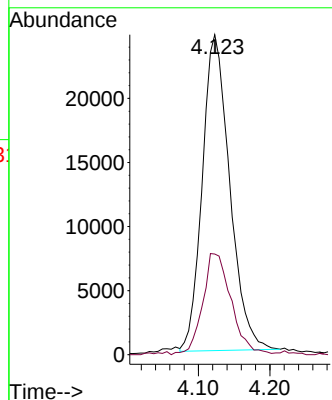
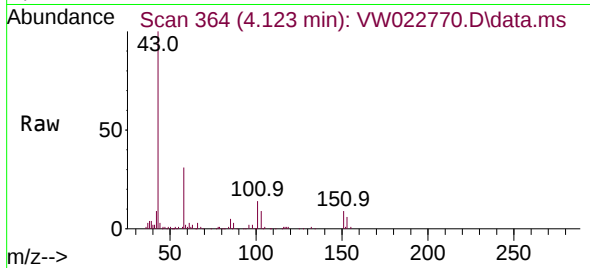




#13
Acetone
Concen: 65.371 ug/L
RT: 4.123 min Scan# 30
Delta R.T. -0.006 min
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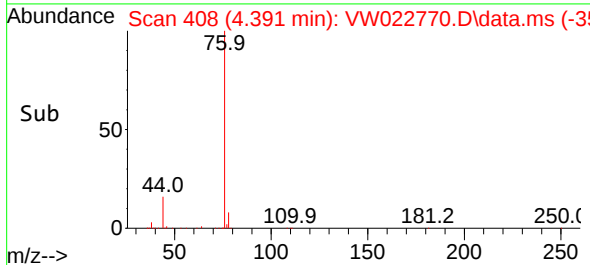
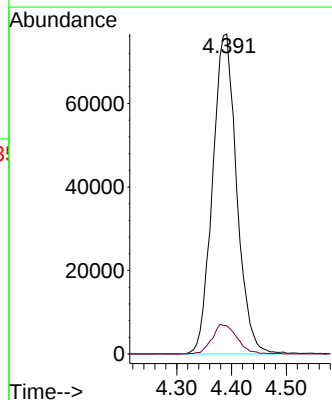
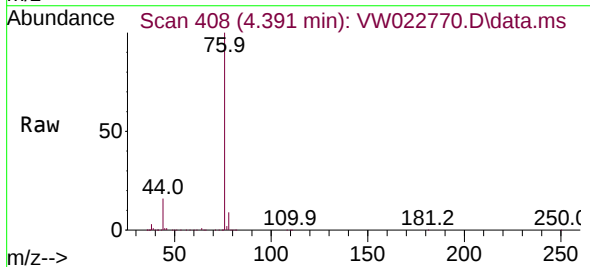
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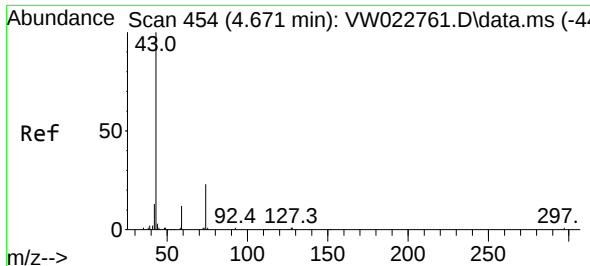
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Ion Ratio Lower Upper
43 100
58 33.3 0.0 64.0



#14
Carbon disulfide
Concen: 19.380 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.012 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 76 Resp: 234180
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5

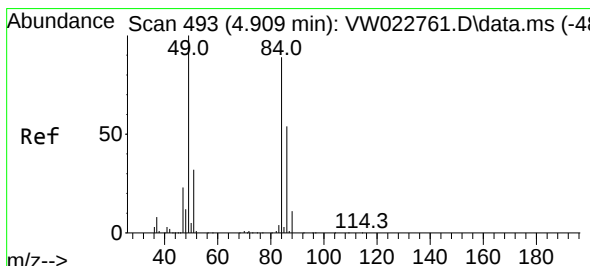
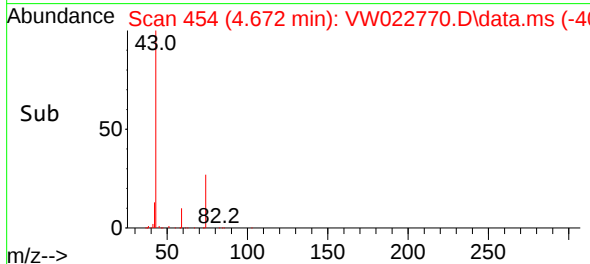
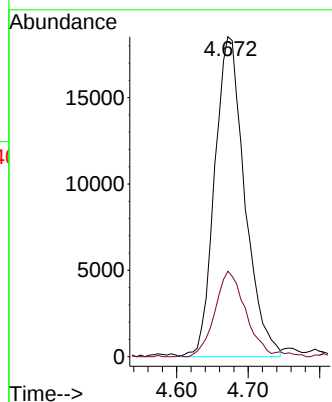
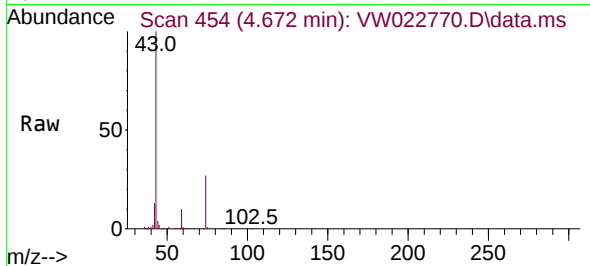




#15
Methyl Acetate
Concen: 26.812 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

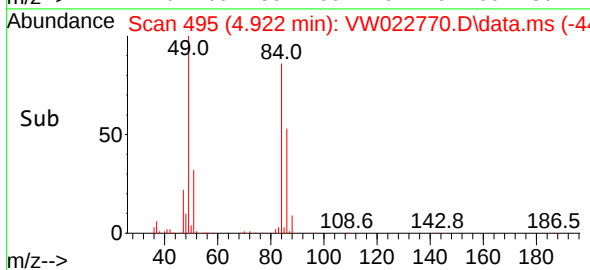
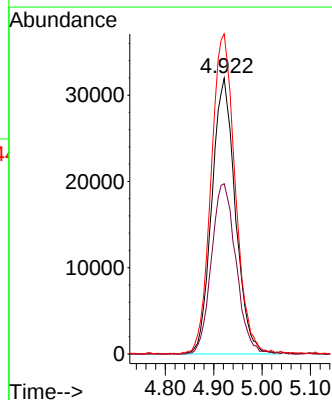
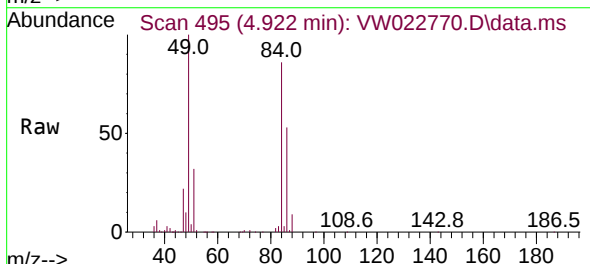
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

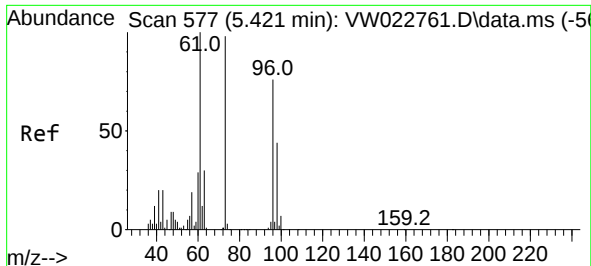
Tgt Ion: 43 Resp: 54138
Ion Ratio Lower Upper
43 100
74 27.0 21.9 32.9



#16
Methylene chloride
Concen: 21.401 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.012 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 84 Resp: 107768
Ion Ratio Lower Upper
84 100
86 61.8 45.4 84.4
49 116.1 82.5 153.1

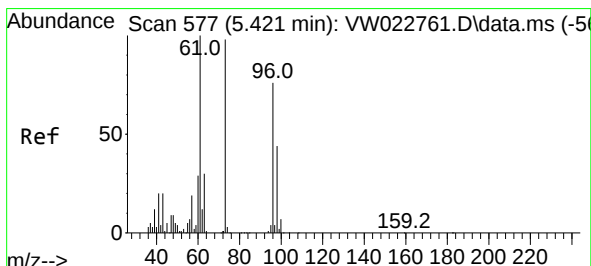
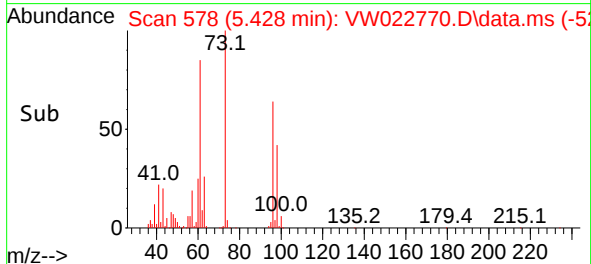
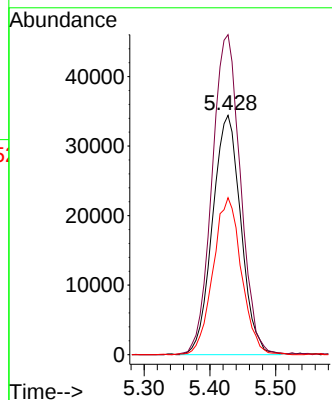
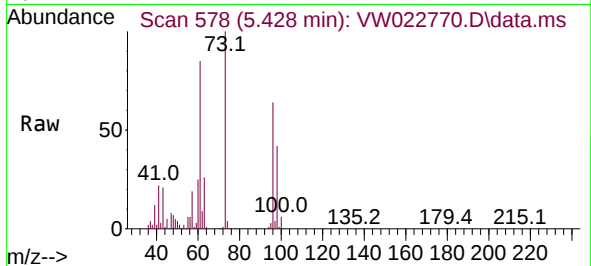




#17
trans-1,2-Dichloroethene
Concen: 20.858 ug/L
RT: 5.428 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

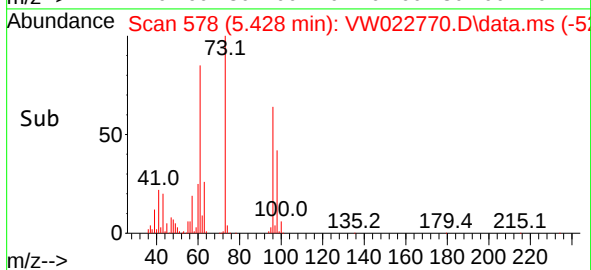
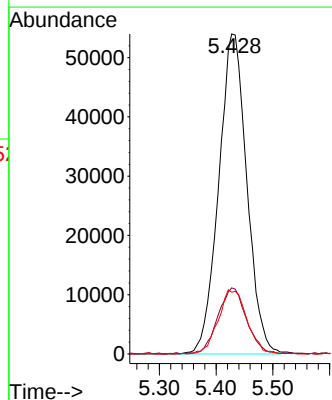
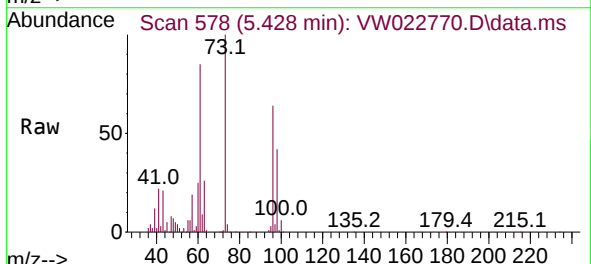
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

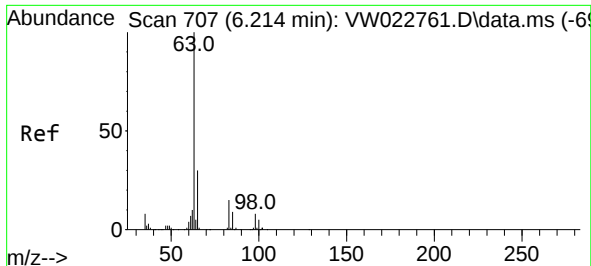
Tgt Ion: 96 Resp: 103458
Ion Ratio Lower Upper
96 100
61 133.7 92.2 171.2
98 65.6 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 24.549 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 73 Resp: 185883
Ion Ratio Lower Upper
73 100
43 20.9 15.9 23.9
57 20.5 16.5 24.7





#19

1,1-Dichloroethane

Concen: 22.340 ug/L

RT: 6.220 min Scan# 707

Delta R.T. 0.006 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

EXL21MS

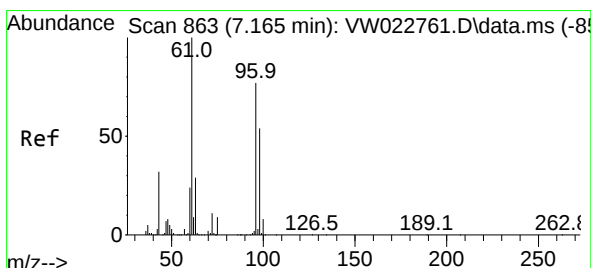
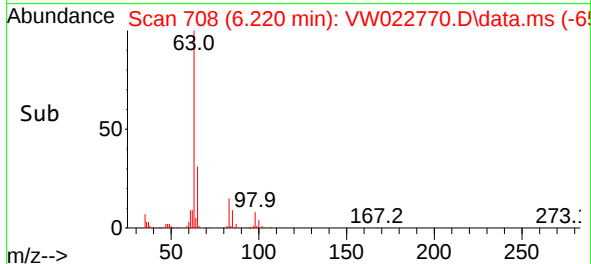
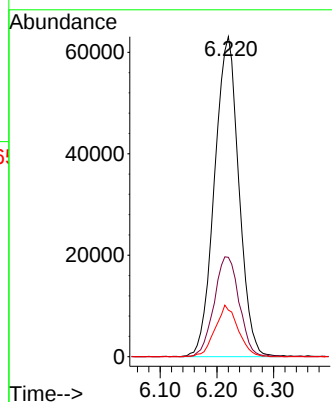
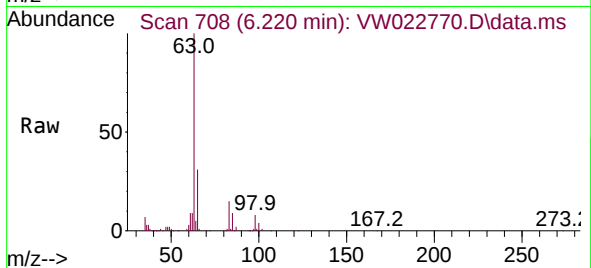
Tgt Ion: 63 Resp: 187801

Ion Ratio Lower Upper

63 100

65 31.0 23.3 43.3

83 14.6 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 22.282 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

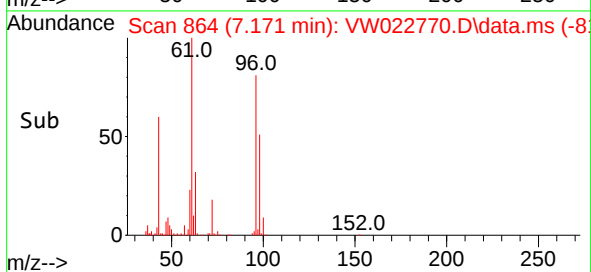
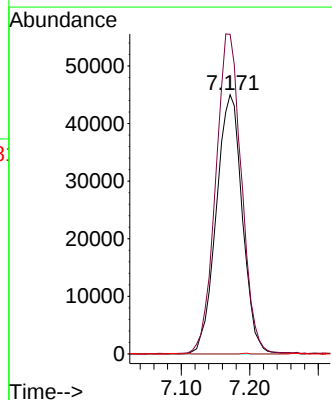
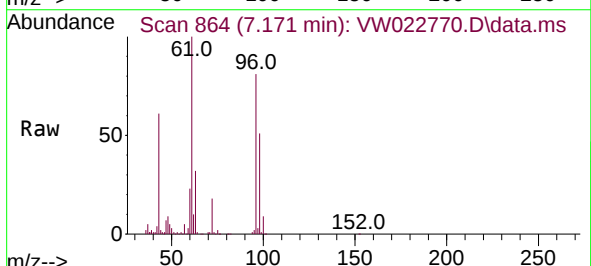
Tgt Ion: 96 Resp: 118707

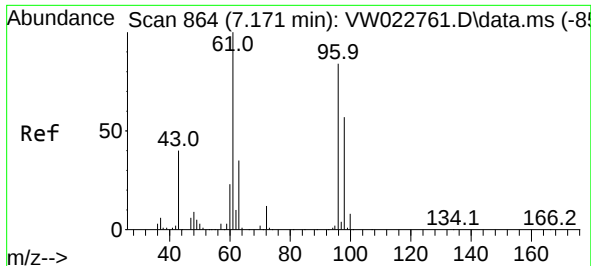
Ion Ratio Lower Upper

96 100

61 123.3 84.2 156.4

68 0.0 0.1 0.1#

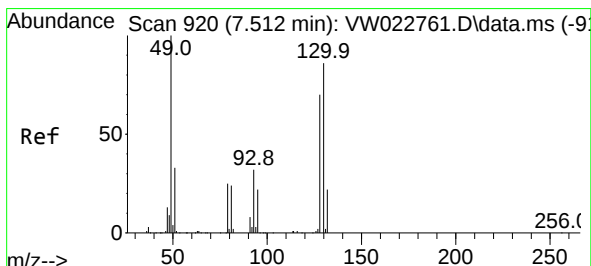
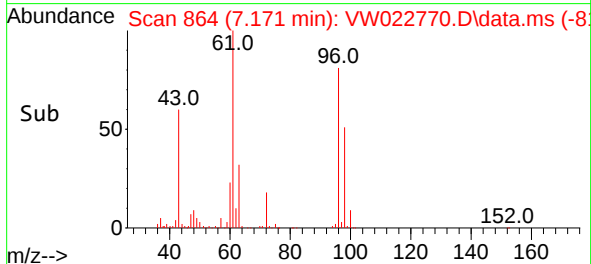
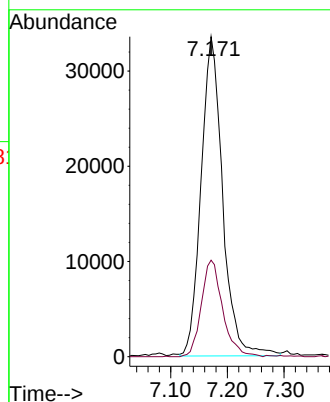
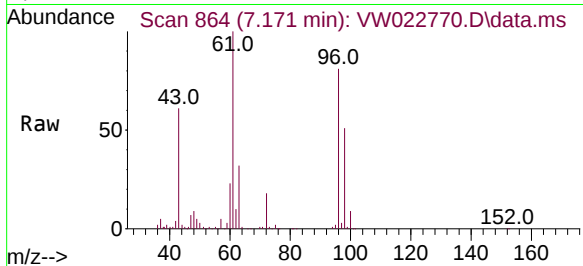




#22
2-Butanone
Concen: 63.068 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

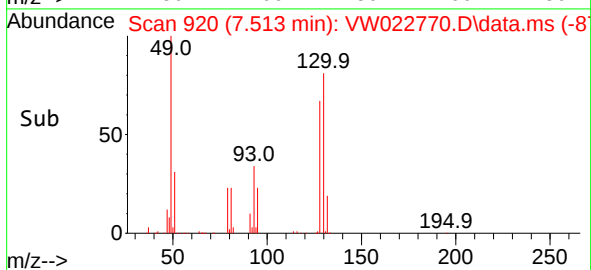
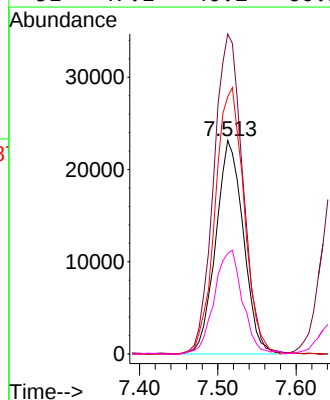
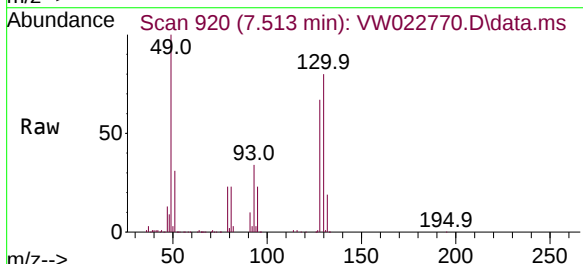
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

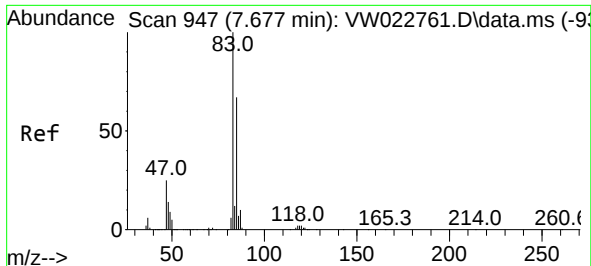
Tgt Ion: 43 Resp: 88646
Ion Ratio Lower Upper
43 100
72 29.8 15.1 45.3



#23
Bromochloromethane
Concen: 22.710 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 128 Resp: 56661
Ion Ratio Lower Upper
128 100
49 150.0 110.0 204.4
130 120.5 94.8 176.0
51 47.1 40.2 60.2

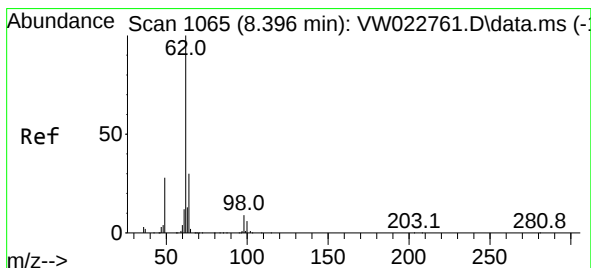
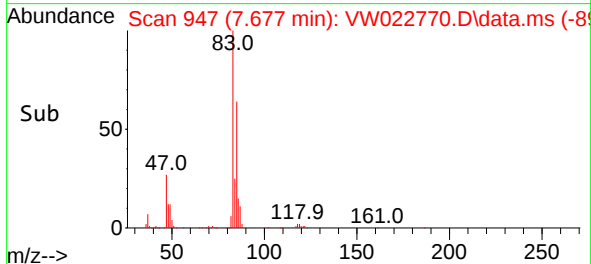
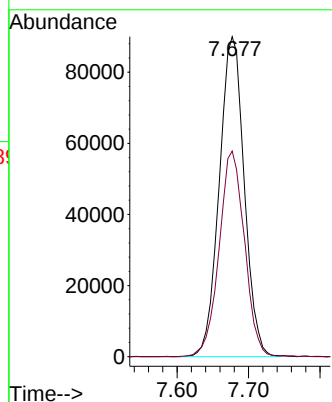
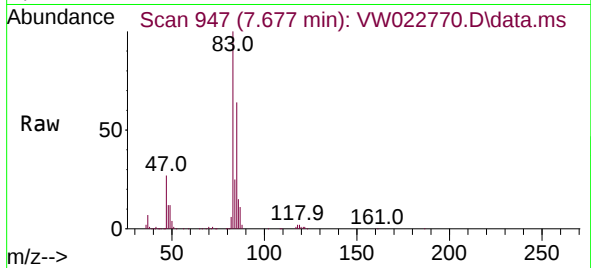




#25
Chloroform
Concen: 23.442 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

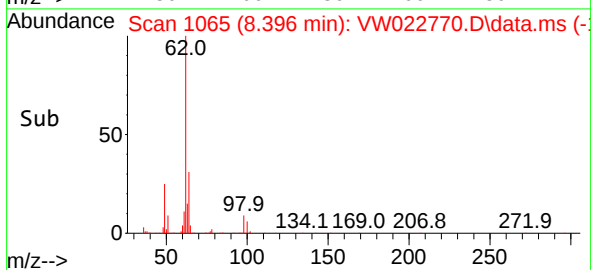
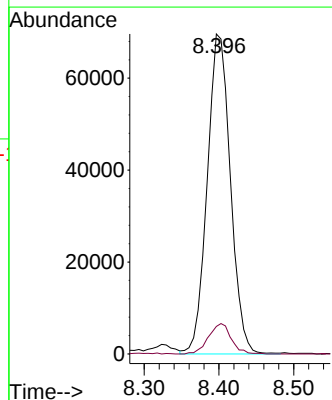
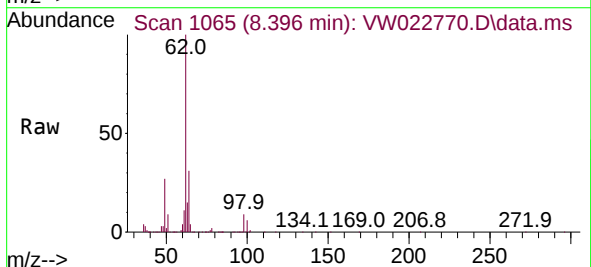
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

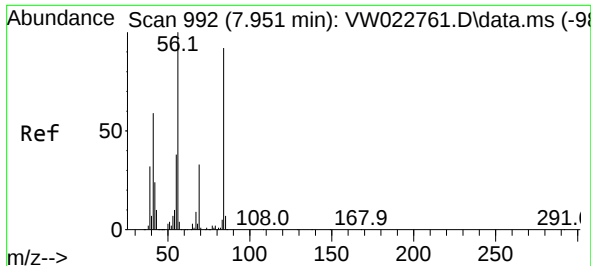
Tgt Ion: 83 Resp: 217906
Ion Ratio Lower Upper
83 100
85 64.3 46.6 86.6



#27
1,2-Dichloroethane
Concen: 24.296 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 62 Resp: 150547
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8





#29

Cyclohexane

Concen: 21.361 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

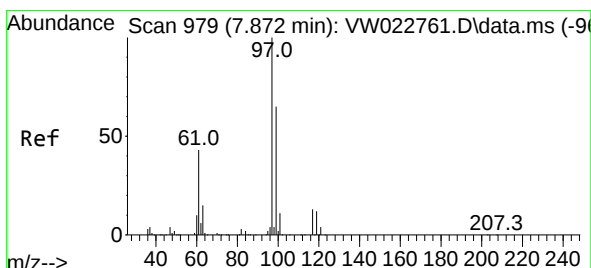
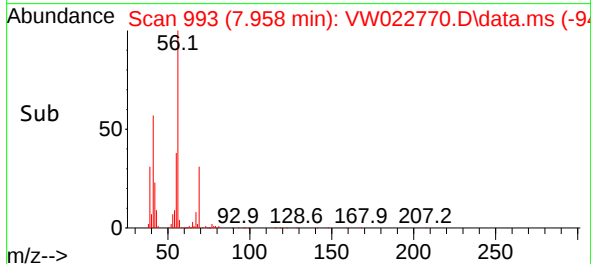
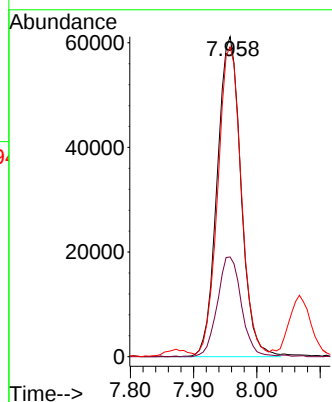
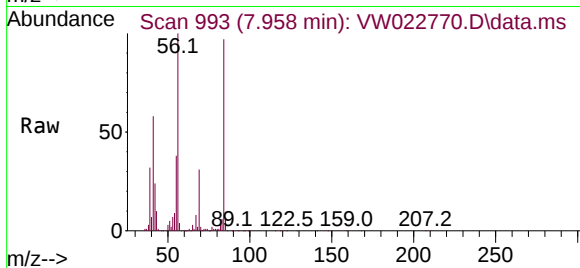
MSVOA_W

ClientSampleId :

EXL21MS

Tgt Ion: 56 Resp: 159640

Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.6	38.4
84	95.5	78.2	117.4



#30

1,1,1-Trichloroethane

Concen: 22.079 ug/L

RT: 7.872 min Scan# 979

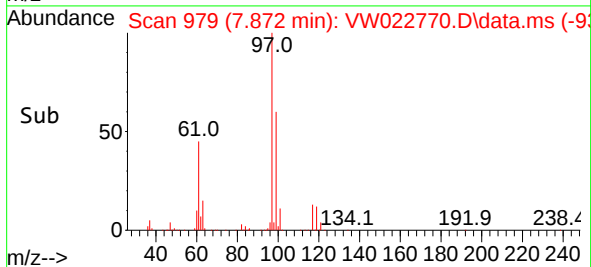
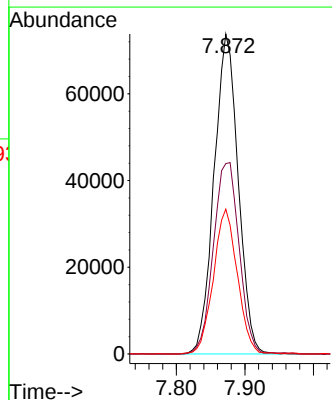
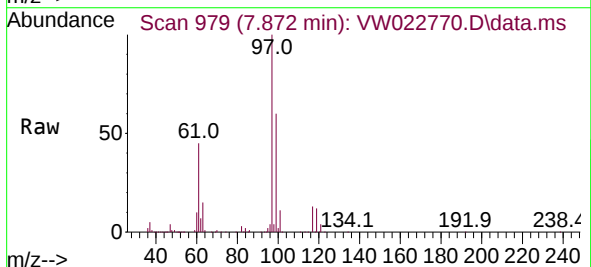
Delta R.T. 0.000 min

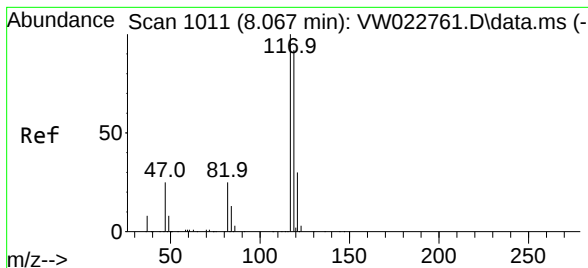
Lab File: VW022770.D

Acq: 03 May 2022 14:25

Tgt Ion: 97 Resp: 180301

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	45.0	34.8	52.2

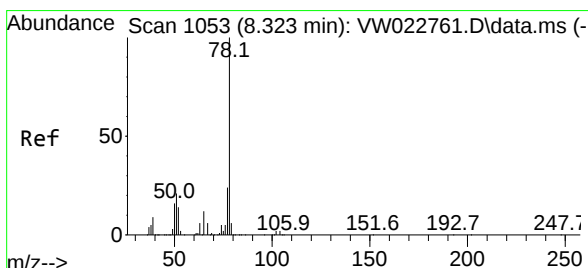
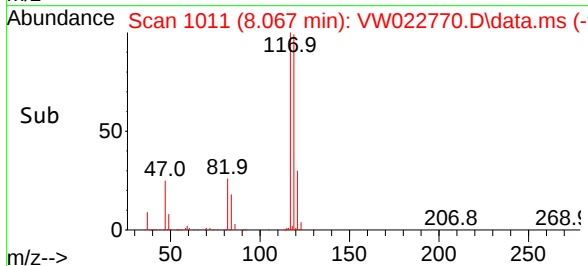
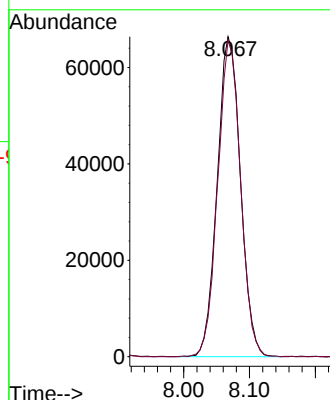
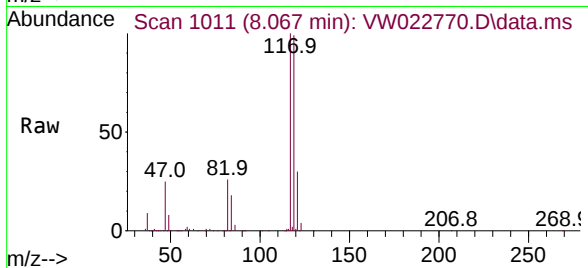




#31
Carbon tetrachloride
Concen: 21.368 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

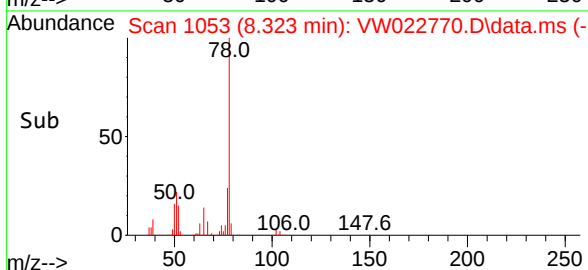
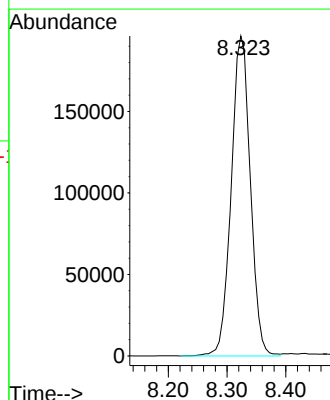
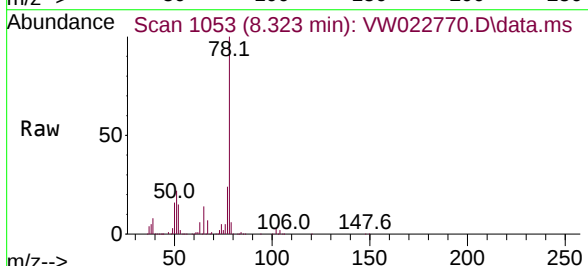
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

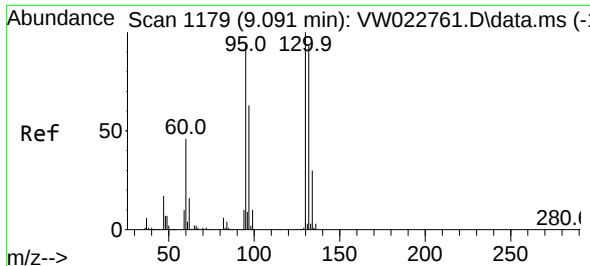
Tgt Ion:117 Resp: 163227
Ion Ratio Lower Upper
117 100
119 97.1 76.6 115.0



#33
Benzene
Concen: 21.823 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 78 Resp: 444258





#34

Trichloroethene

Concen: 21.452 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW022770.D

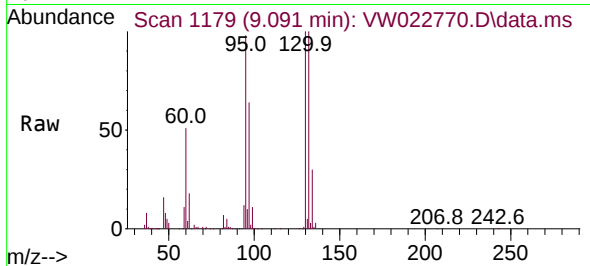
Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

EXL21MS



Tgt Ion: 95 Resp: 120096

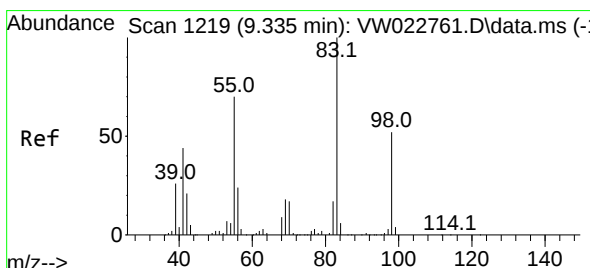
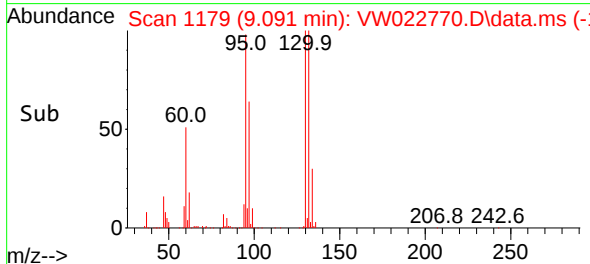
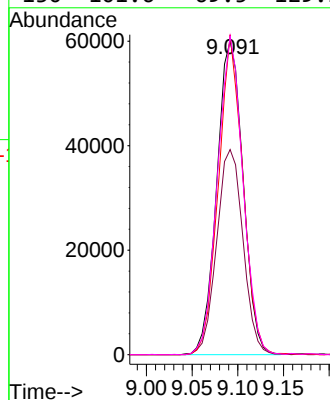
Ion Ratio Lower Upper

95 100

97 65.4 46.1 85.7

132 102.0 66.9 124.3

130 101.6 69.5 129.1



#35

Methylcyclohexane

Concen: 21.074 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

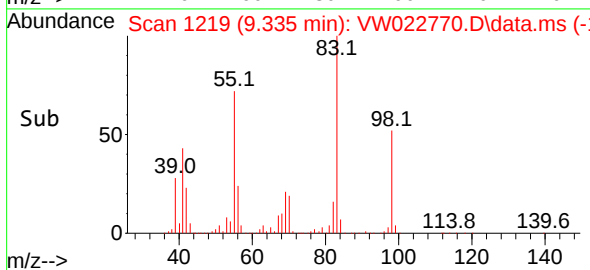
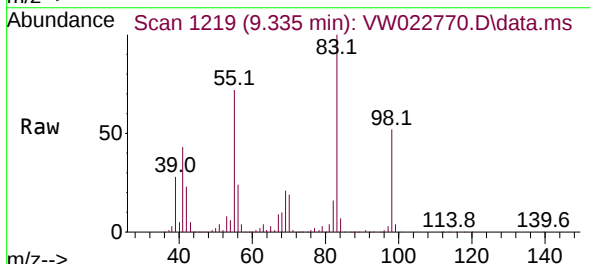
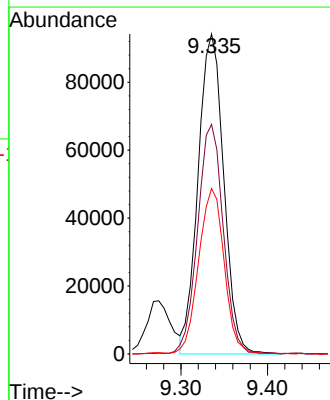
Tgt Ion: 83 Resp: 193816

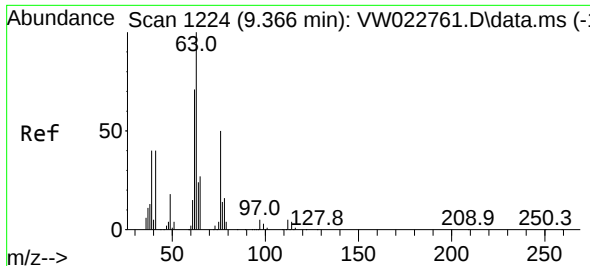
Ion Ratio Lower Upper

83 100

55 71.6 55.1 82.7

98 51.5 40.4 60.6





#37

1,2-Dichloropropane

Concen: 22.396 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

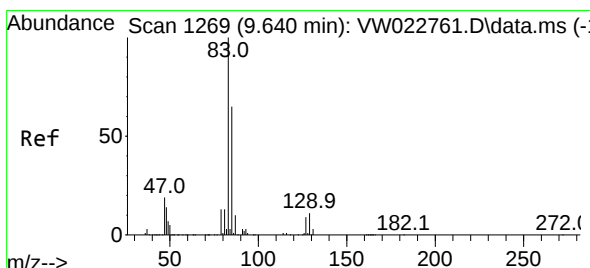
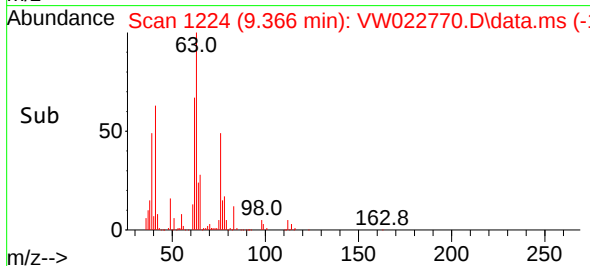
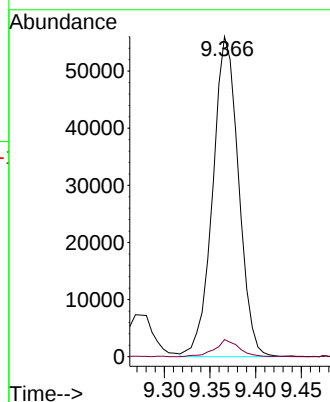
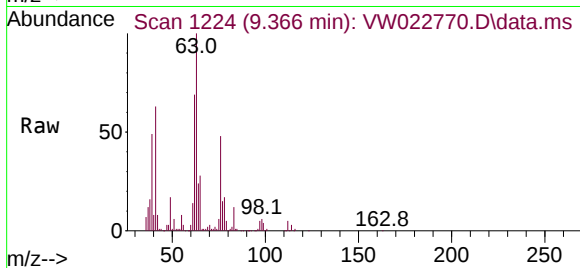
EXL21MS

Tgt Ion: 63 Resp: 110331

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 23.401 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

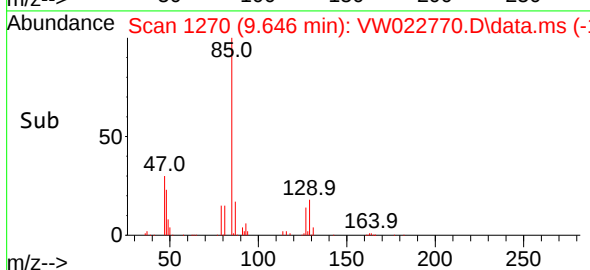
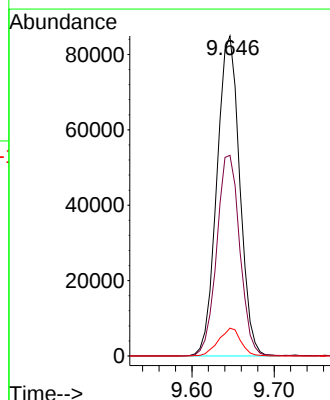
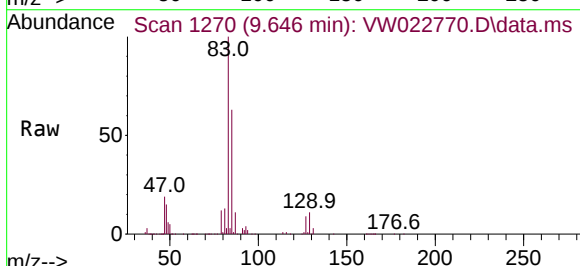
Tgt Ion: 83 Resp: 163741

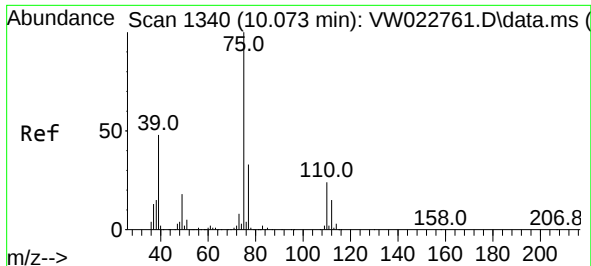
Ion Ratio Lower Upper

83 100

85 62.7 43.5 80.7

127 8.7 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 23.617 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

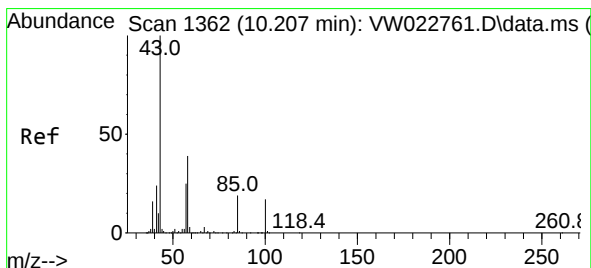
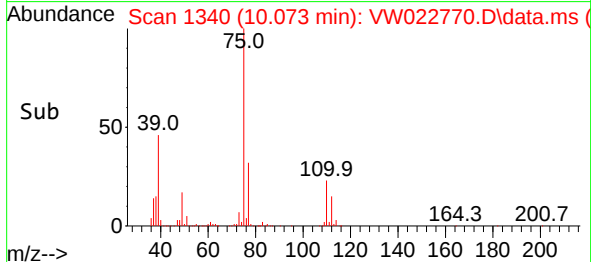
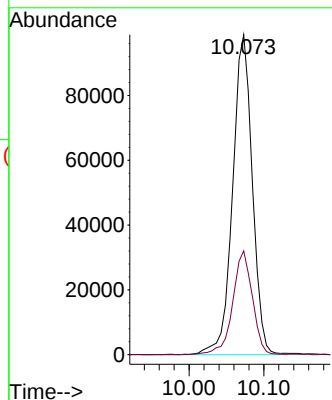
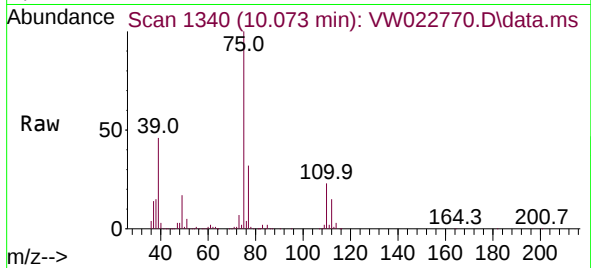
EXL21MS

Tgt Ion: 75 Resp: 180405

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 54.126 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

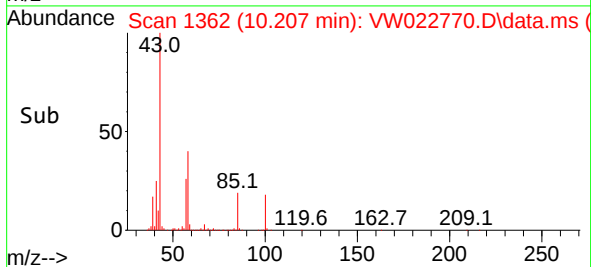
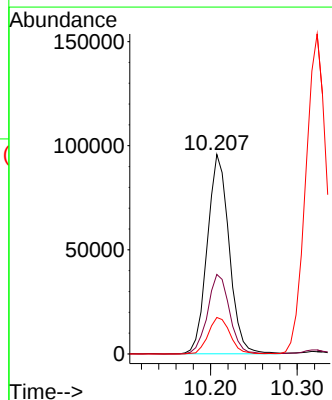
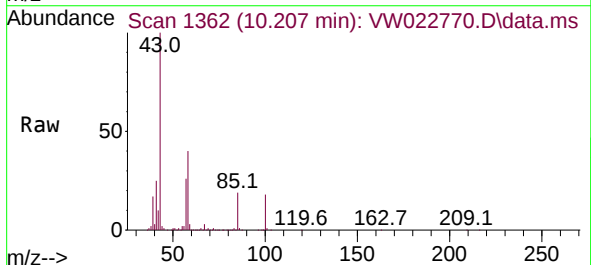
Tgt Ion: 43 Resp: 168066

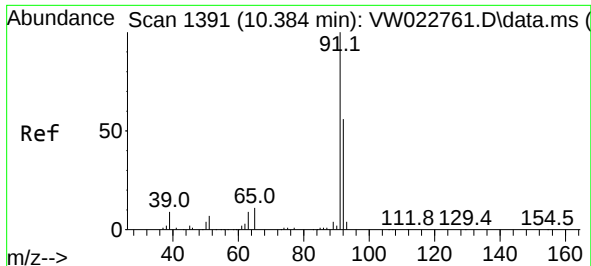
Ion Ratio Lower Upper

43 100

58 40.0 31.4 47.2

100 18.4 14.2 21.4

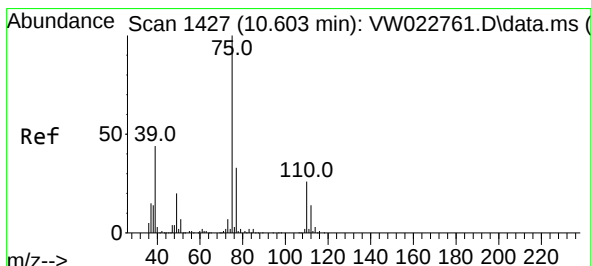
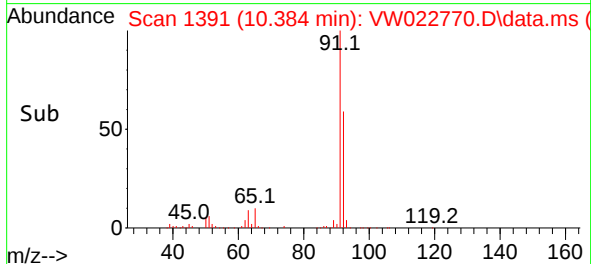
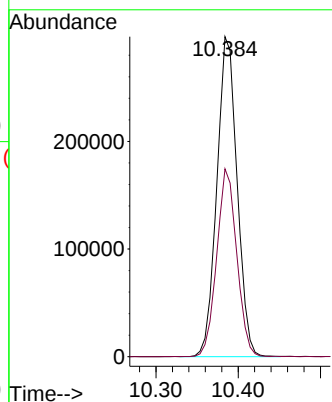
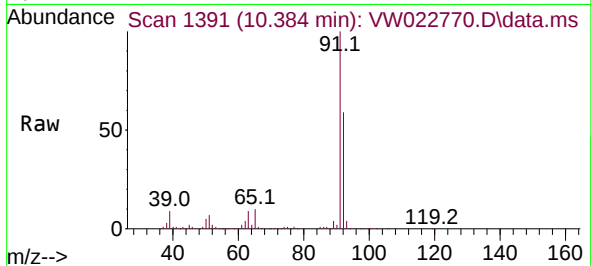




#42
Toluene
Concen: 22.303 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

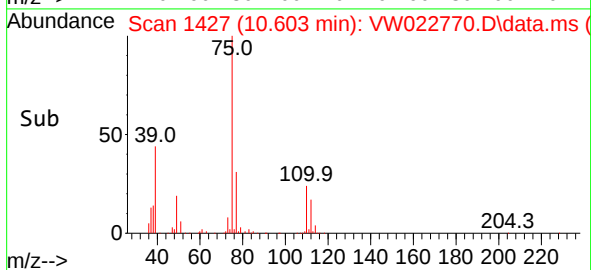
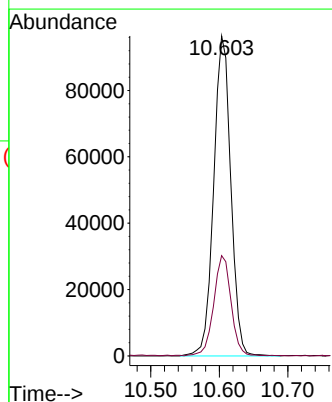
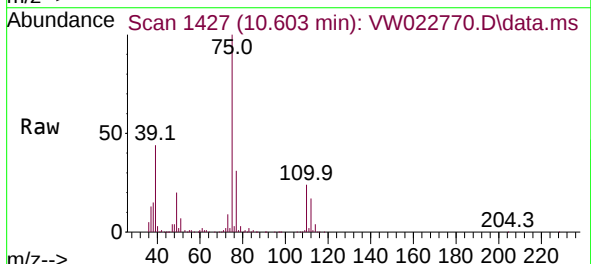
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

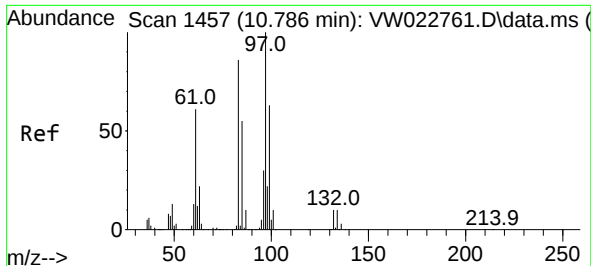
Tgt Ion: 91 Resp: 508822
Ion Ratio Lower Upper
91 100
92 58.7 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 24.504 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 75 Resp: 167070
Ion Ratio Lower Upper
75 100
77 31.4 22.0 40.8

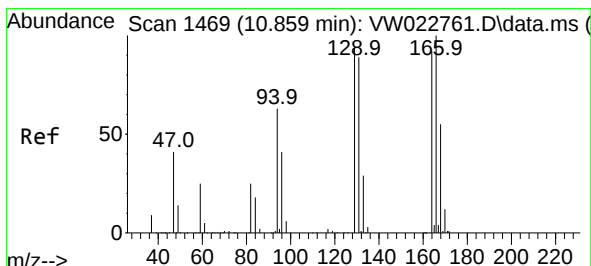
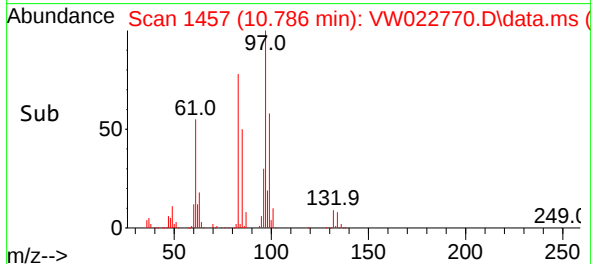
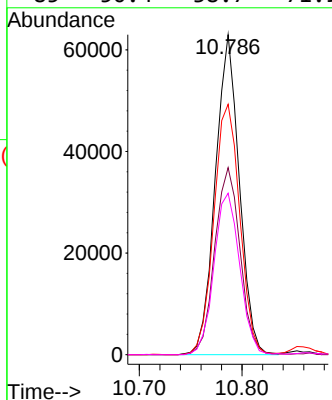
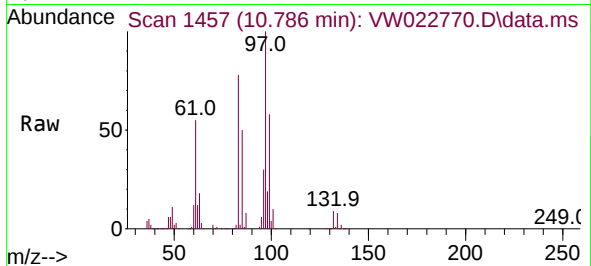




#45
1,1,2-Trichloroethane
Concen: 24.765 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

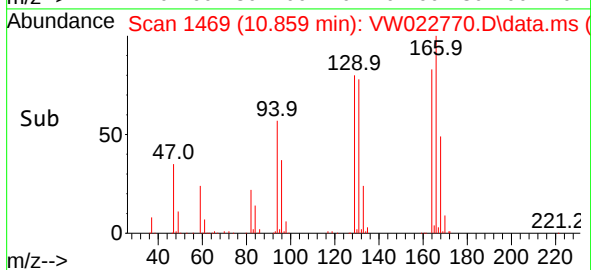
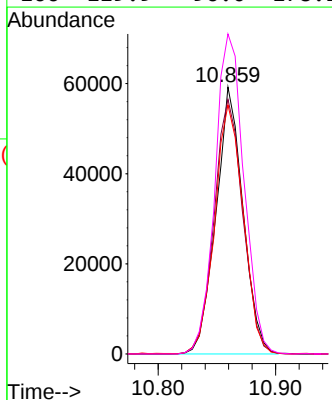
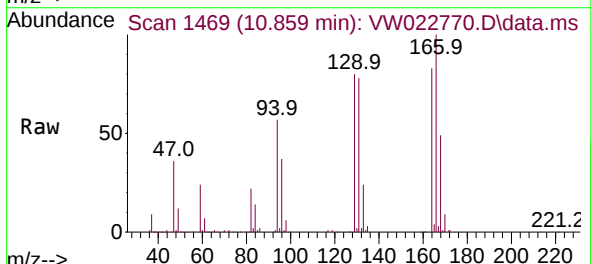
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

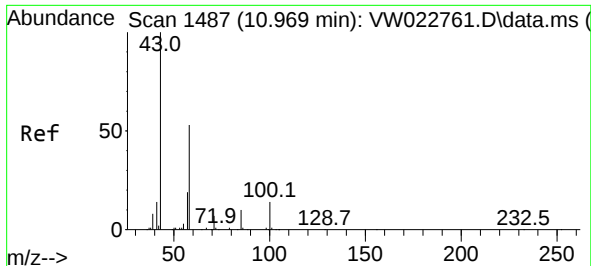
Tgt Ion: 97	Resp: 101989
Ion Ratio	Lower Upper
97 100	
99 58.5	44.7 82.9
83 78.3	58.4 108.4
85 50.4	38.7 71.9



#46
Tetrachloroethene
Concen: 22.504 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt	Ion:164	Resp:	94681
Ion	Ratio	Lower	Upper
164	100		
129	95.4	76.9	142.7
131	93.3	75.1	139.5
166	119.9	96.0	178.2

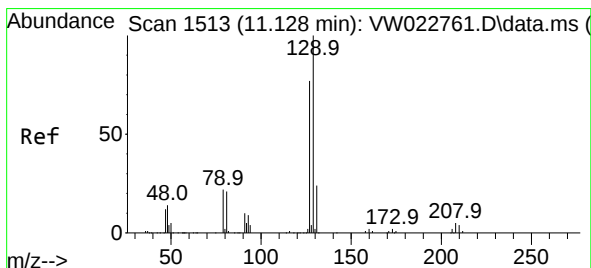
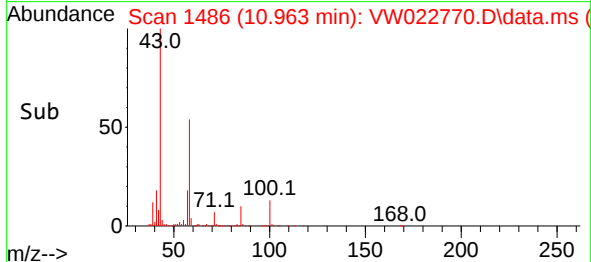
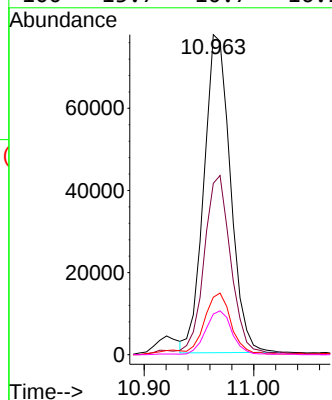
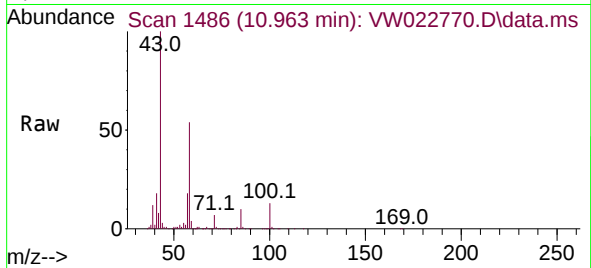




#48
2-Hexanone
Concen: 62.754 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

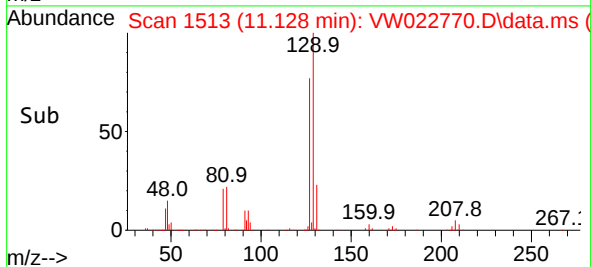
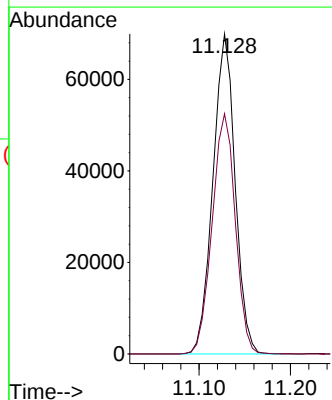
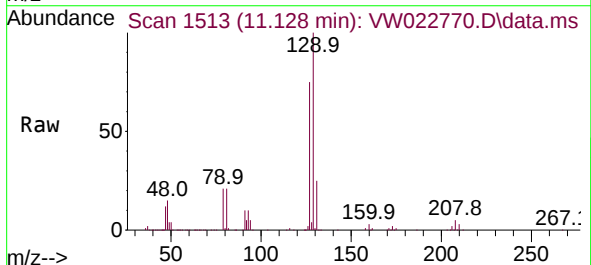
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

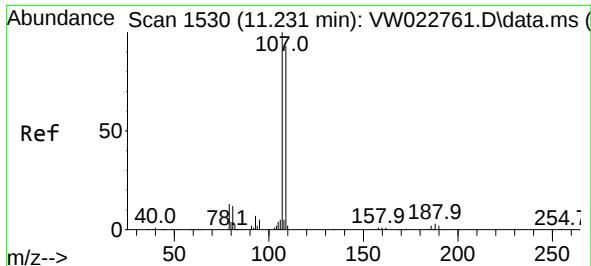
Tgt Ion: 43 Resp: 130194
Ion Ratio Lower Upper
43 100
58 57.0 45.9 68.9
57 19.3 16.2 24.2
100 13.7 10.7 16.1



#49
Dibromochloromethane
Concen: 23.812 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion:129 Resp: 118024
Ion Ratio Lower Upper
129 100
127 75.1 53.8 100.0





#50

1,2-Dibromoethane

Concen: 24.768 ug/L

RT: 11.231 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

EXL21MS

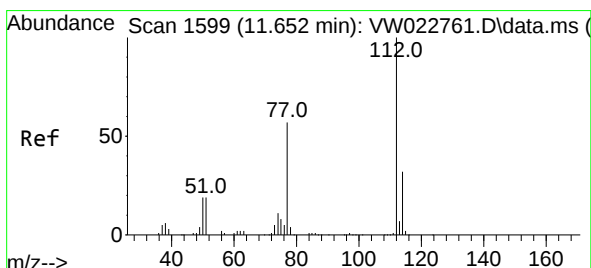
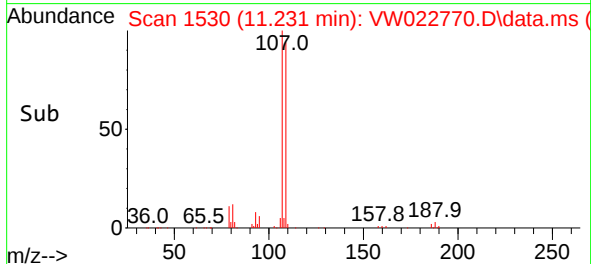
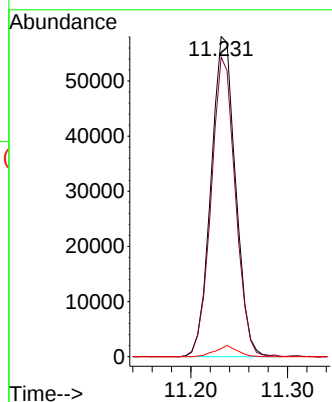
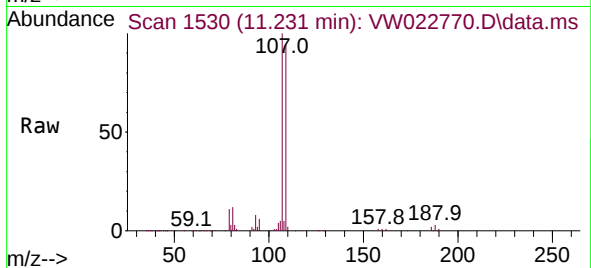
Tgt Ion:107 Resp: 102422

Ion Ratio Lower Upper

107 100

109 93.6 67.5 125.4

188 2.6 2.9 4.3#



#51

Chlorobenzene

Concen: 22.254 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

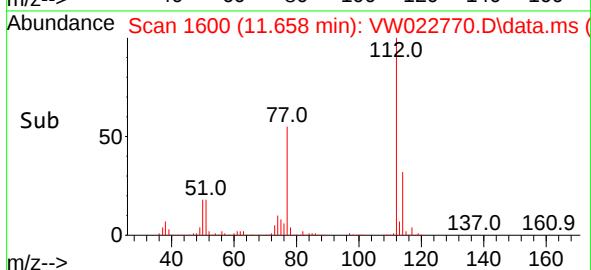
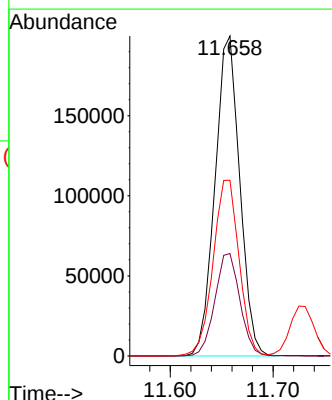
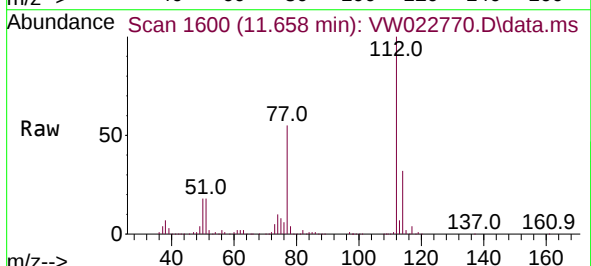
Tgt Ion:112 Resp: 334710

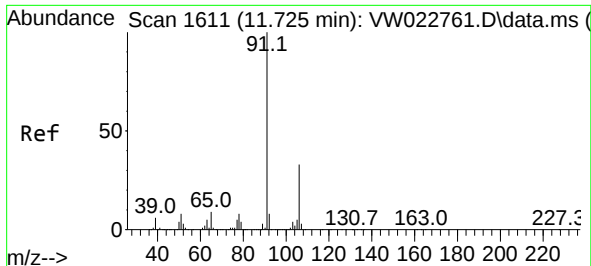
Ion Ratio Lower Upper

112 100

114 32.0 22.0 41.0

77 54.9 42.6 63.8

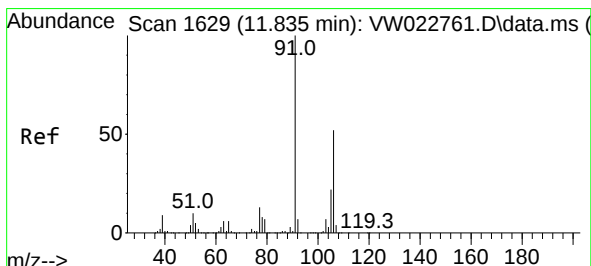
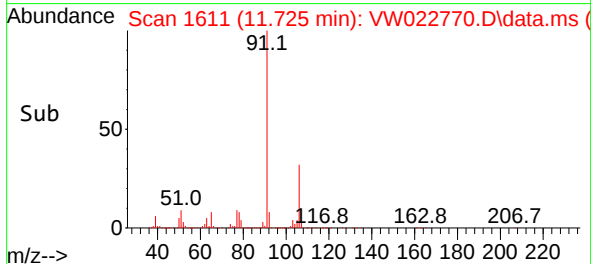
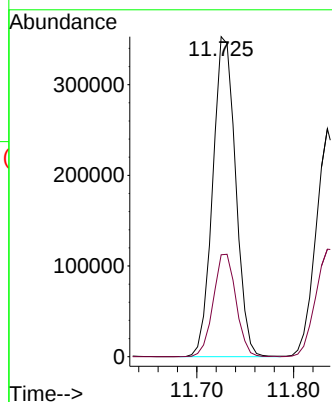
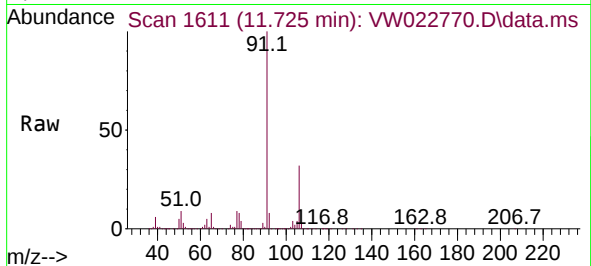




#52
Ethylbenzene
Concen: 22.842 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

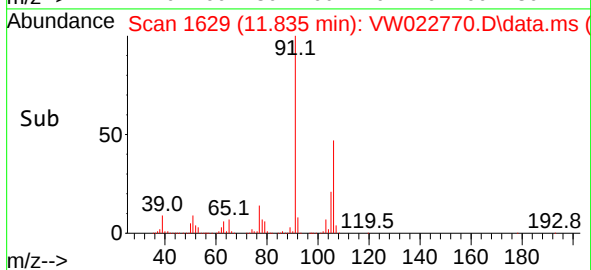
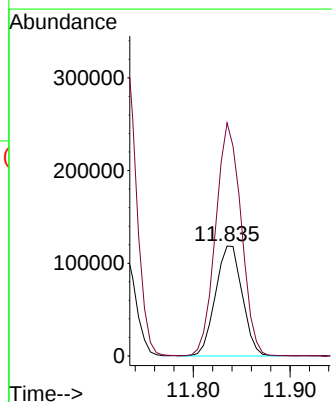
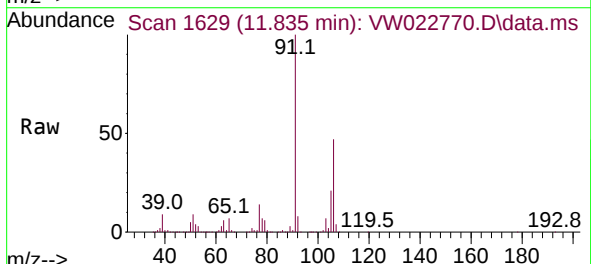
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

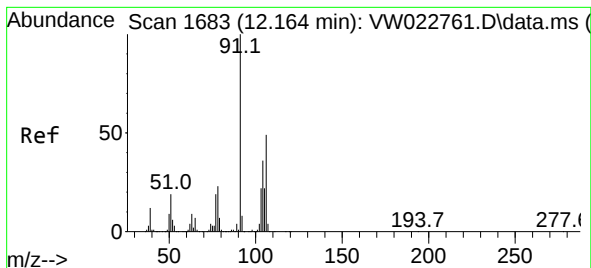
Tgt Ion: 91 Resp: 579755
Ion Ratio Lower Upper
91 100
106 31.8 22.3 41.3



#53
m,p-Xylene
Concen: 22.758 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 106 Resp: 227602
Ion Ratio Lower Upper
106 100
91 212.2 136.8 254.0

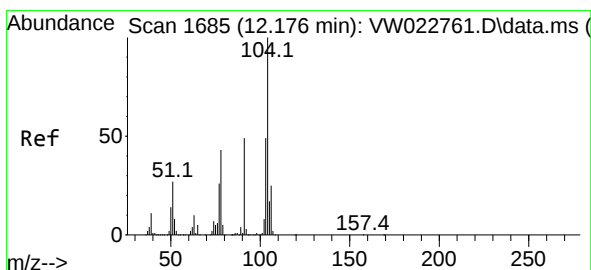
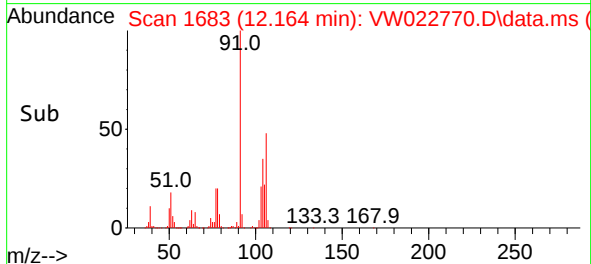
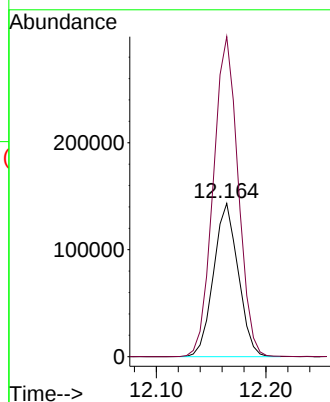
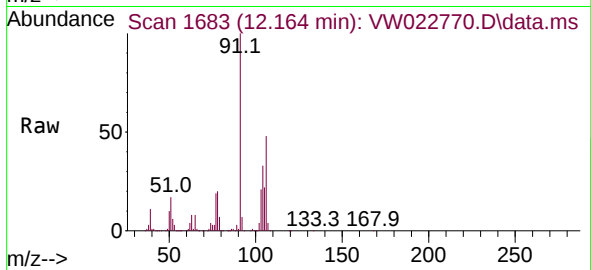




#54
o-Xylene
Concen: 23.329 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

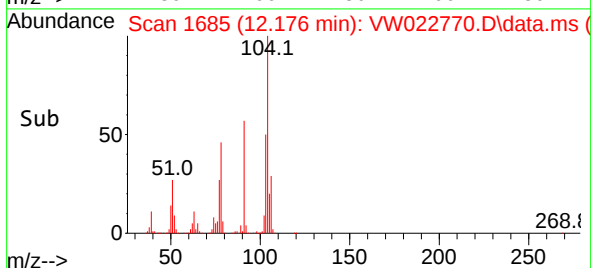
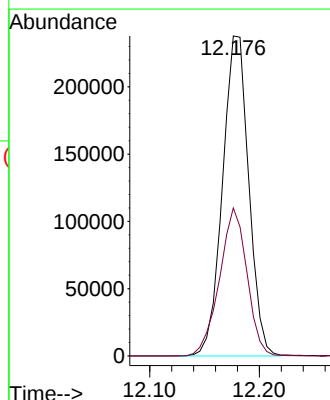
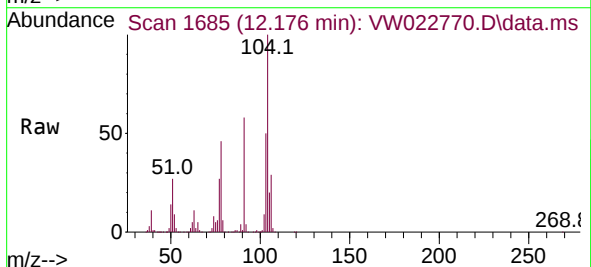
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

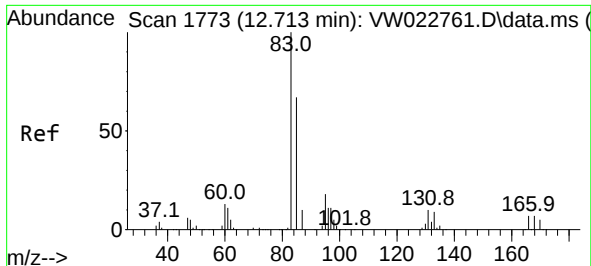
Tgt Ion:106 Resp: 223889
Ion Ratio Lower Upper
106 100
91 208.7 147.2 273.4



#55
Styrene
Concen: 24.223 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion:104 Resp: 395018
Ion Ratio Lower Upper
104 100
78 46.2 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 26.458 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

EXL21MS

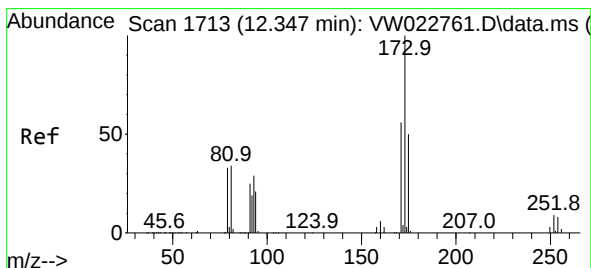
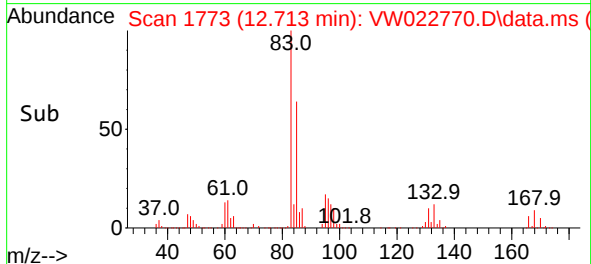
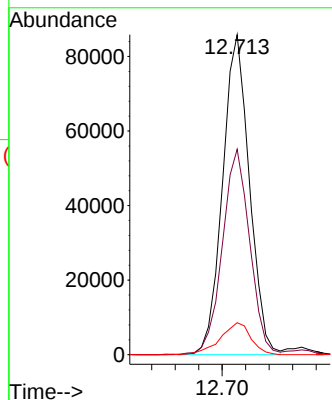
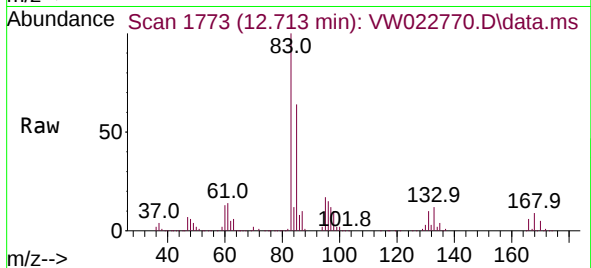
Tgt Ion: 83 Resp: 136093

Ion Ratio Lower Upper

83 100

85 64.2 47.5 88.1

131 10.0 8.7 13.1



#59

Bromoform

Concen: 23.864 ug/L

RT: 12.341 min Scan# 1712

Delta R.T. -0.006 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

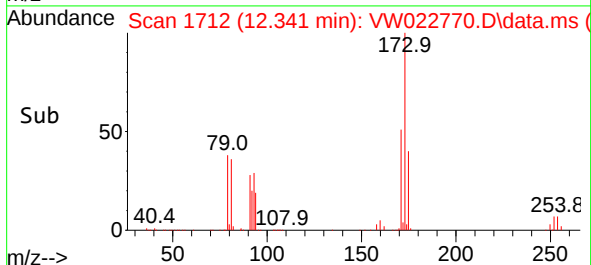
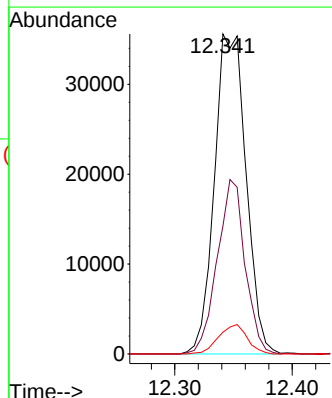
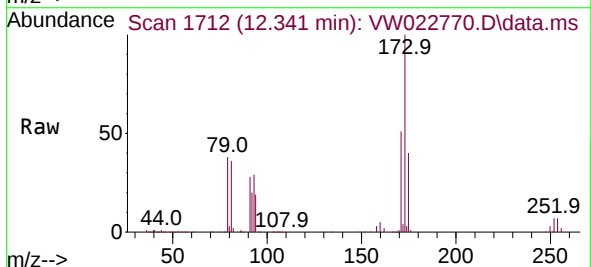
Tgt Ion:173 Resp: 66471

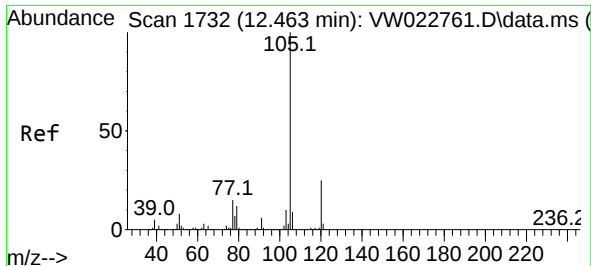
Ion Ratio Lower Upper

173 100

175 47.9 38.1 57.1

254 8.3 6.5 9.7

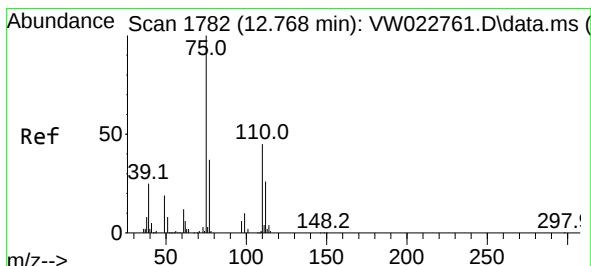
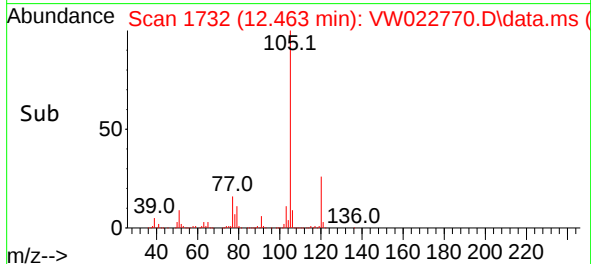
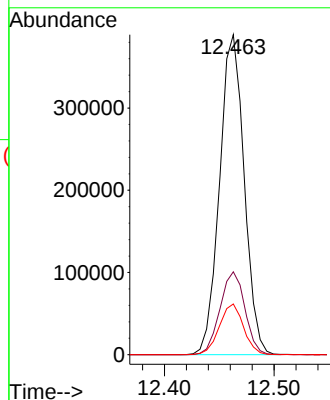
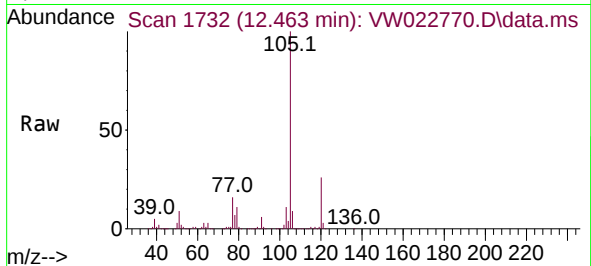




#60
Isopropylbenzene
Concen: 22.555 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

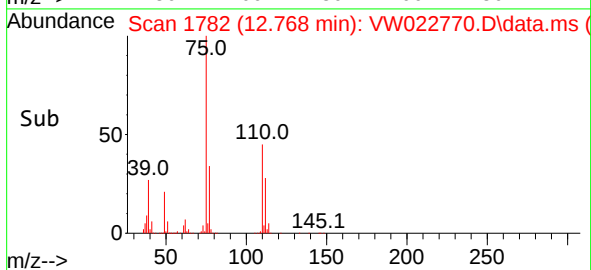
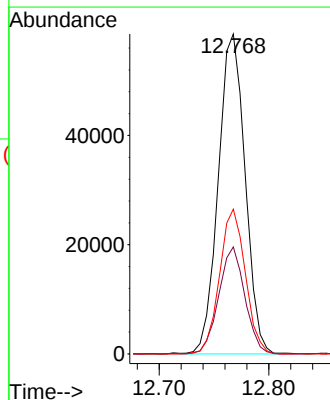
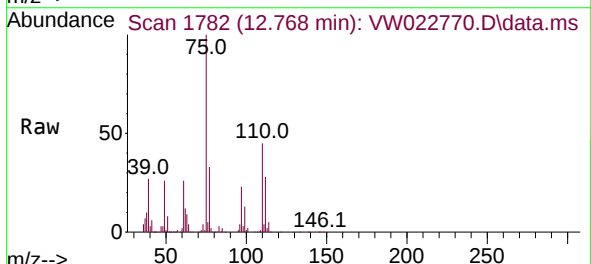
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

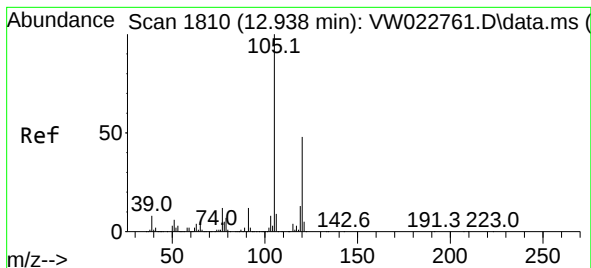
Tgt Ion:105 Resp: 607322
Ion Ratio Lower Upper
105 100
120 26.2 21.3 31.9
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 25.326 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion: 75 Resp: 99459
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.2
110 43.5 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 22.710 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

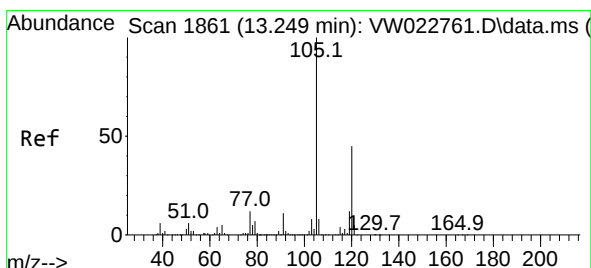
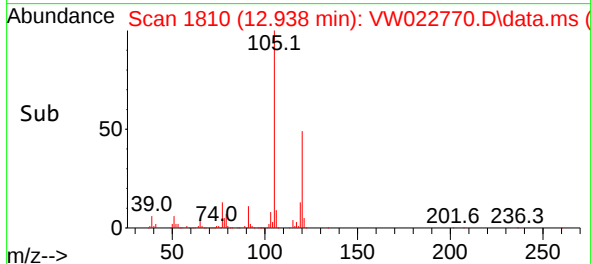
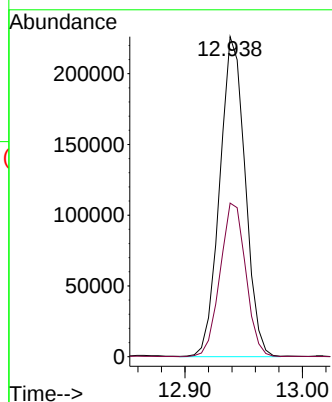
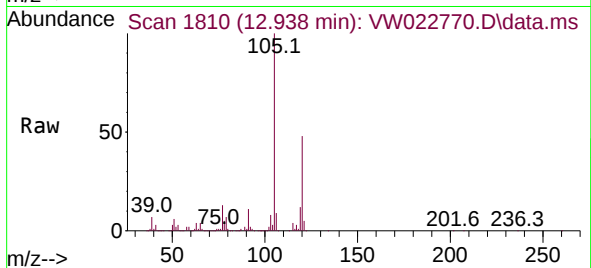
EXL21MS

Tgt Ion:105 Resp: 340201

Ion Ratio Lower Upper

105 100

120 48.4 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 22.625 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW022770.D

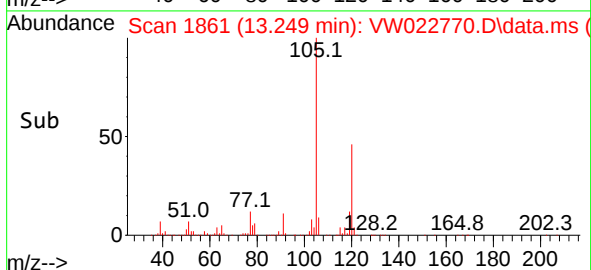
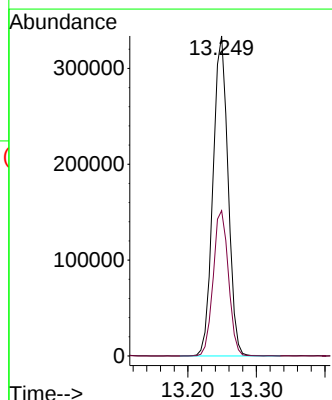
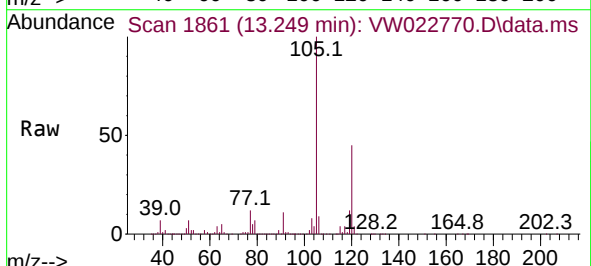
Acq: 03 May 2022 14:25

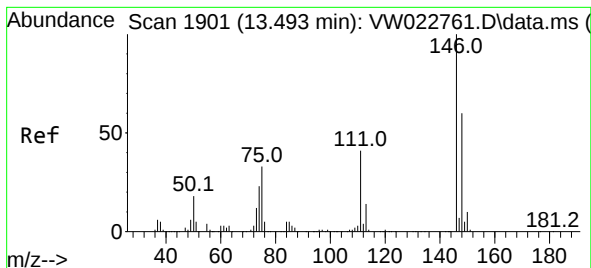
Tgt Ion:105 Resp: 508905

Ion Ratio Lower Upper

105 100

120 45.9 37.4 56.2





#64

1,3-Dichlorobenzene

Concen: 22.472 ug/L

RT: 13.493 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

EXL21MS

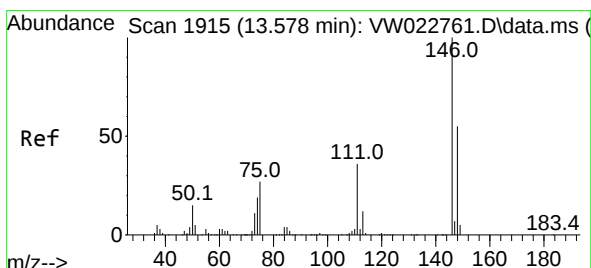
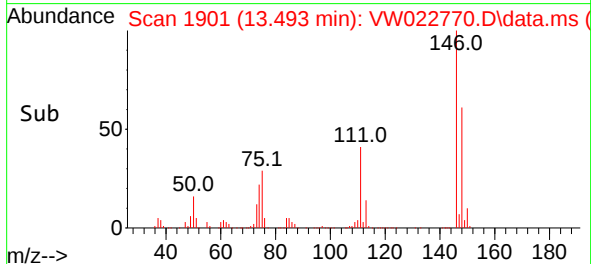
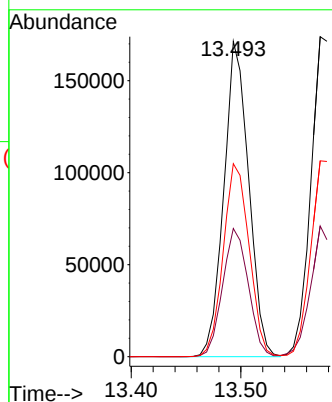
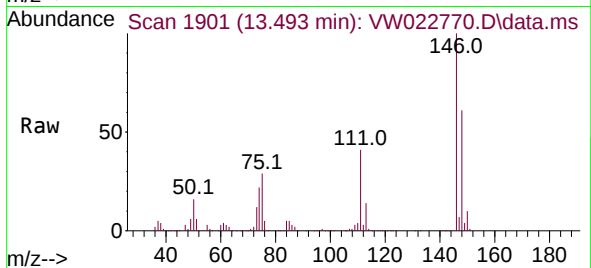
Tgt Ion:146 Resp: 270152

Ion Ratio Lower Upper

146 100

111 40.6 29.5 54.9

148 61.2 48.6 90.2



#65

1,4-Dichlorobenzene

Concen: 22.588 ug/L

RT: 13.572 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

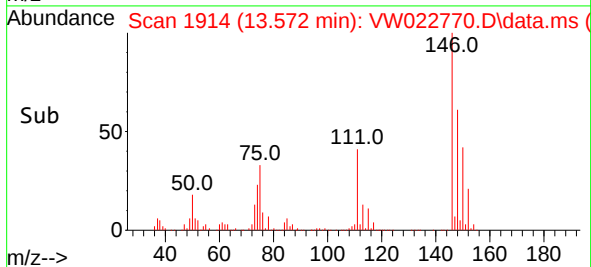
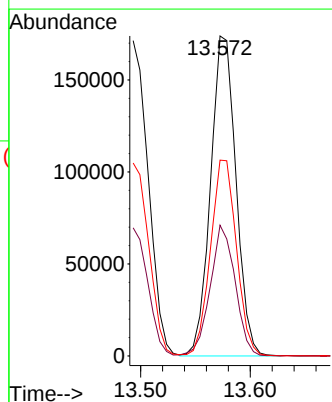
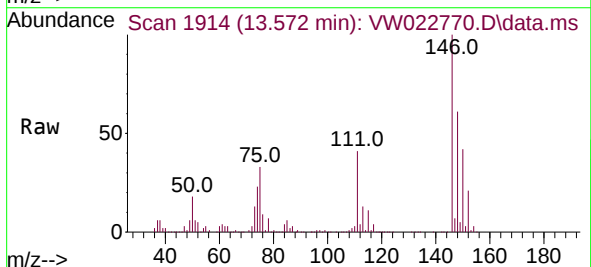
Tgt Ion:146 Resp: 280480

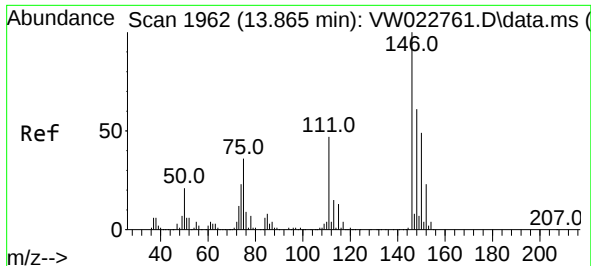
Ion Ratio Lower Upper

146 100

111 40.8 27.2 50.4

148 61.2 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 23.154 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

EXL21MS

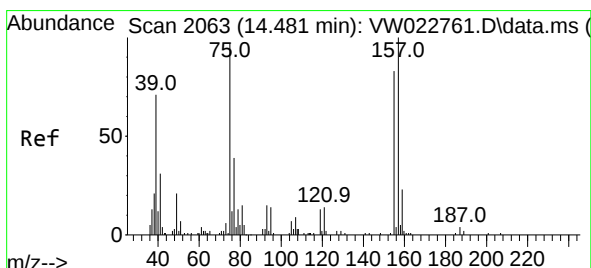
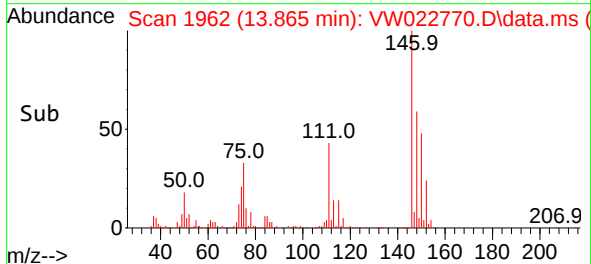
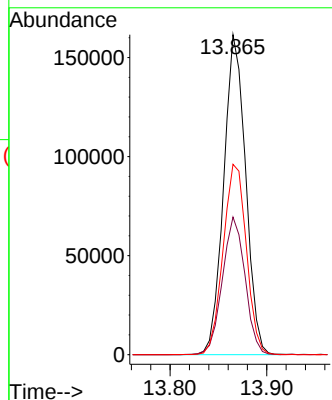
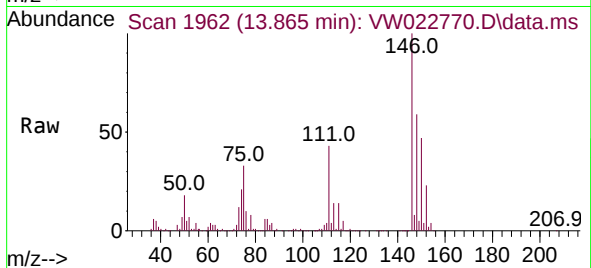
Tgt Ion:146 Resp: 254716

Ion Ratio Lower Upper

146 100

111 43.0 35.7 53.5

148 59.5 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.902 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

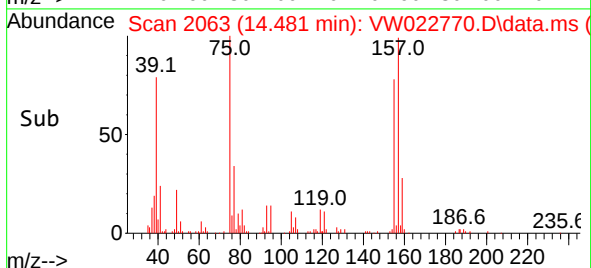
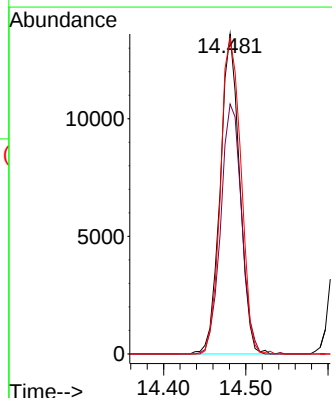
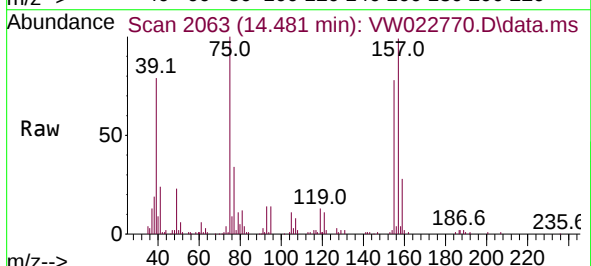
Tgt Ion: 75 Resp: 22231

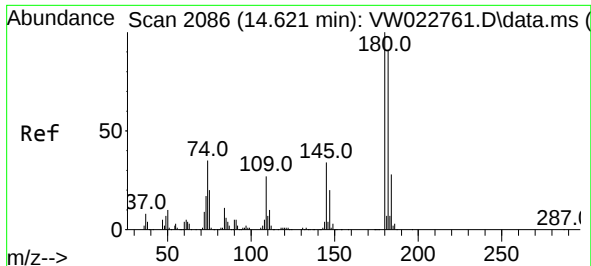
Ion Ratio Lower Upper

75 100

155 78.1 59.3 88.9

157 98.7 89.8 134.8

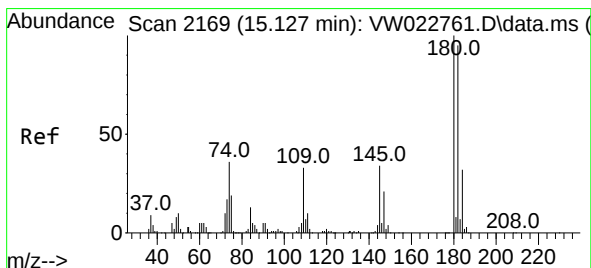
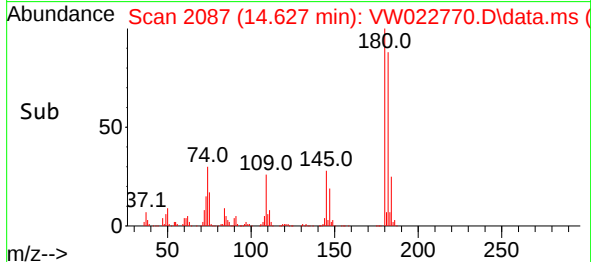
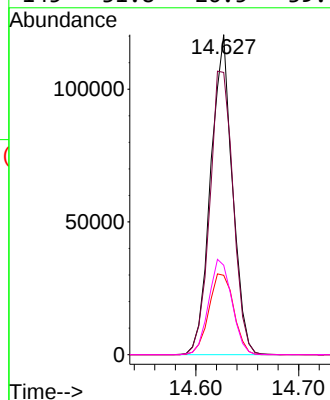
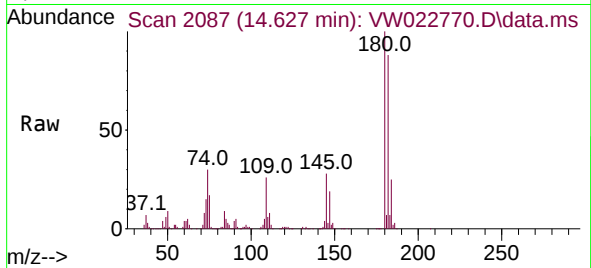




#69
1,3,5-Trichlorobenzene
Concen: 22.146 ug/L
RT: 14.627 min Scan# 2086
Delta R.T. 0.006 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

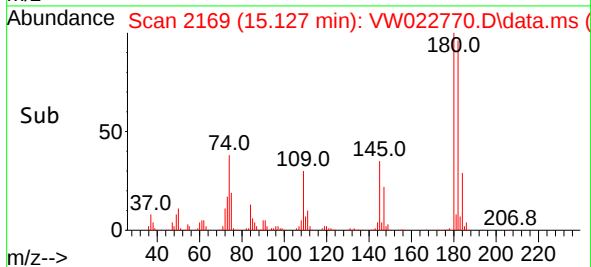
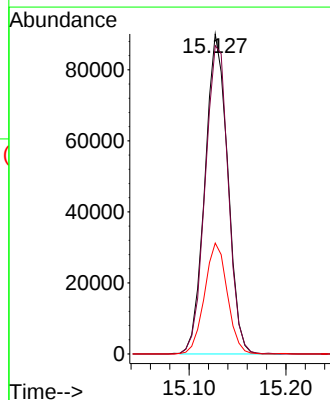
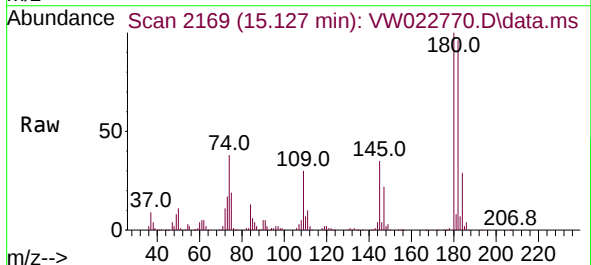
Instrument :
MSVOA_W
ClientSampleId :
EXL21MS

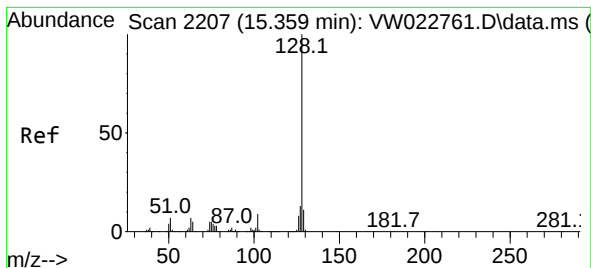
Tgt Ion:180 Resp: 176722
Ion Ratio Lower Upper
180 100
182 95.0 74.8 112.2
184 28.9 23.4 35.2
145 31.8 26.5 39.7



#70
1,2,4-trichlorobenzene
Concen: 22.964 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW022770.D
Acq: 03 May 2022 14:25

Tgt Ion:180 Resp: 147410
Ion Ratio Lower Upper
180 100
182 97.9 74.9 112.3
145 34.6 26.6 39.8





#71

Naphthalene

Concen: 27.065 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Instrument :

MSVOA_W

ClientSampleId :

EXL21MS

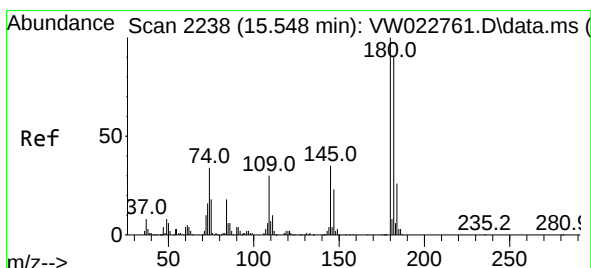
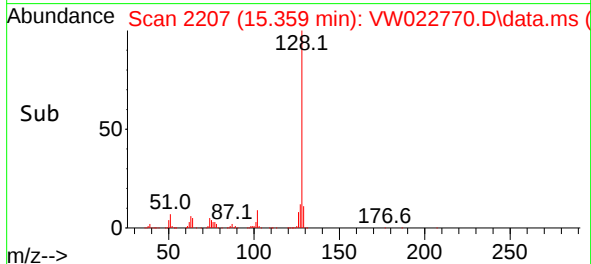
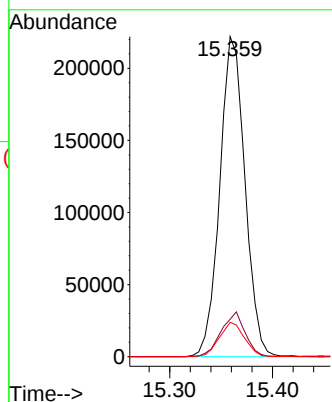
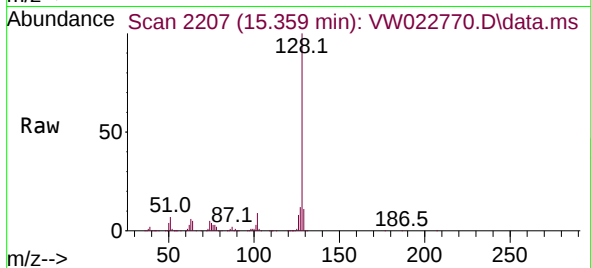
Tgt Ion:128 Resp: 377598

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 23.949 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW022770.D

Acq: 03 May 2022 14:25

Tgt Ion:180 Resp: 136252

Ion Ratio Lower Upper

180 100

182 94.4 73.5 110.3

145 34.5 27.9 41.9

