

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050522\
 Data File : VW022849.D
 Acq On : 05 May 2022 18:02
 Operator : SY/VA
 Sample : N2708-04MSD
 Misc : 4.28g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EXL30MSD

Quant Time: May 06 01:09:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 06 01:05:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	351606	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	353277	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	189500	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	155232	21.519	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.080%
7) Chloroethane-d5	2.885	69	120248	25.622	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.480%
11) 1,1-Dichloroethene-d2	4.025	63	184102	19.751	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.000%
21) 2-Butanone-d5	7.074	46	75500	55.047	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.100%
24) Chloroform-d	7.647	84	254694	24.725	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.880%
26) 1,2-Dichloroethane-d4	8.305	65	140085	24.795	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.160%
32) Benzene-d6	8.275	84	477562	23.453	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	9.275	67	142330	24.883	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.520%
41) Toluene-d8	10.323	98	456232	23.194	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.760%
43) trans-1,3-Dichloroprop...	10.579	79	62990	23.917	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.680%
47) 2-Hexanone-d5	10.921	63	63483	58.139	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.280%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	142604	26.748	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	13.853	152	166047	25.066	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	58079	30.301	ug/L	94
3) Chloromethane	2.215	50	81122	21.902	ug/L	98
5) Vinyl chloride	2.361	62	154755	20.819	ug/L	99
6) Bromomethane	2.776	94	101473	21.262	ug/L	93
8) Chloroethane	2.922	64	84955	23.696	ug/L	96
9) Trichlorofluoromethane	3.251	101	60317	17.754	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	105029	20.675	ug/L	98
12) 1,1-Dichloroethene	4.038	96	91075	20.224	ug/L	86
13) Acetone	4.123	43	59265	57.714	ug/L	99
14) Carbon disulfide	4.385	76	217605	17.625	ug/L	99
15) Methyl Acetate	4.672	43	46406	22.495	ug/L	99
16) Methylene chloride	4.922	84	115795	22.507	ug/L	97
17) trans-1,2-Dichloroethene	5.422	96	103612	20.445	ug/L	99
18) Methyl tert-butyl Ether	5.428	73	179697	23.228	ug/L	100
19) 1,1-Dichloroethane	6.220	63	188762	21.977	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	118845	21.834	ug/L #	98
22) 2-Butanone	7.171	43	74938	52.183	ug/L	98
23) Bromochloromethane	7.513	128	56172	22.035	ug/L	96
25) Chloroform	7.677	83	215420	22.682	ug/L	99

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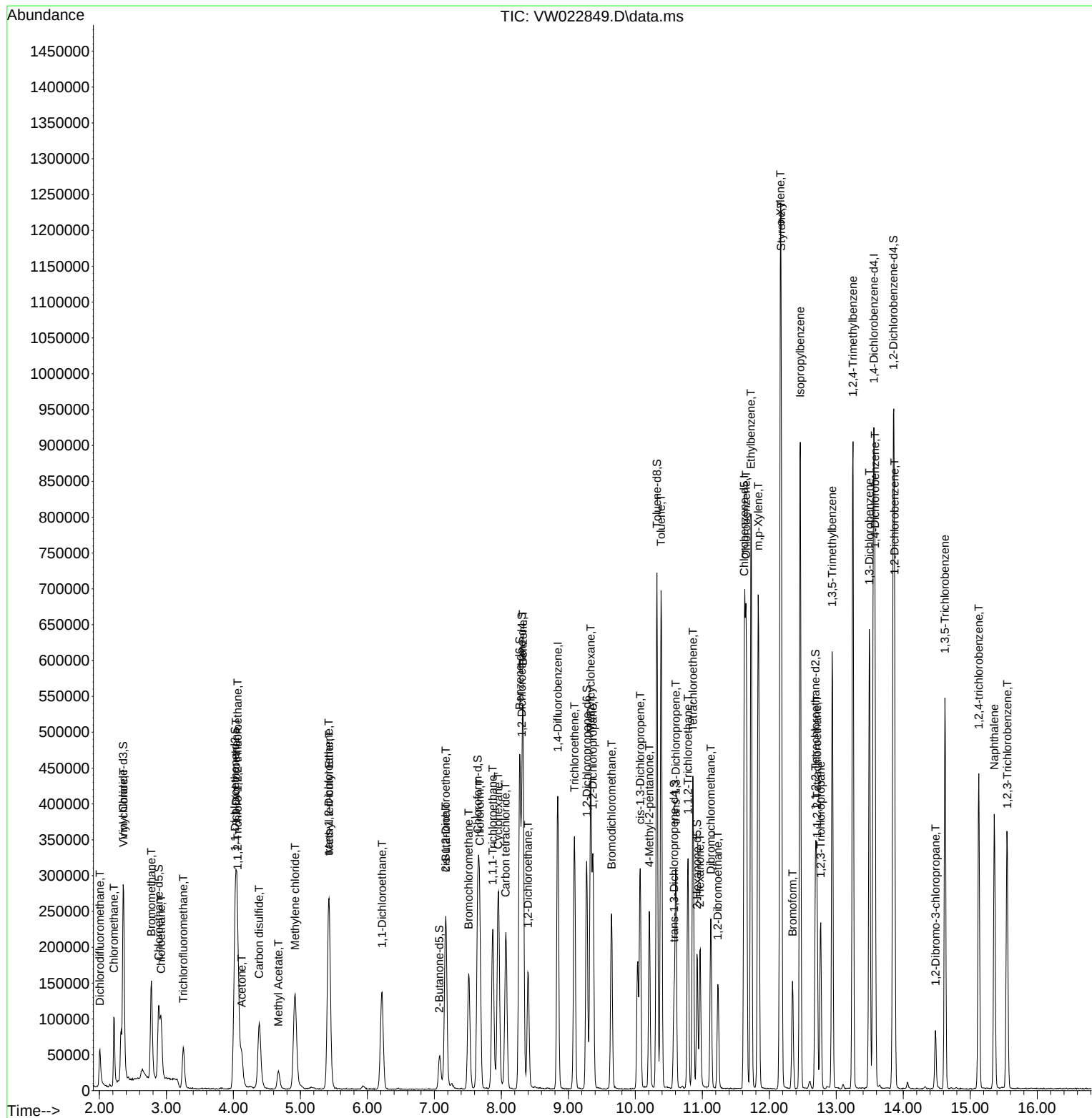
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	144712	22.858	ug/L	99
29) Cyclohexane	7.952	56	149168	19.524	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	176376	21.127	ug/L	99
31) Carbon tetrachloride	8.061	117	158525	20.299	ug/L	99
33) Benzene	8.323	78	445301	21.397	ug/L	100
34) Trichloroethene	9.092	95	119173	20.822	ug/L	97
35) Methylcyclohexane	9.336	83	177452	18.873	ug/L	99
37) 1,2-Dichloropropane	9.366	63	110501	21.941	ug/L	99
38) Bromodichloromethane	9.646	83	157098	21.961	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	177250	22.697	ug/L	97
40) 4-Methyl-2-pentanone	10.207	43	153082	48.224	ug/L	99
42) Toluene	10.384	91	501519	21.503	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	159964	22.950	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	98353	23.361	ug/L	96
46) Tetrachloroethene	10.860	164	88017	20.463	ug/L	93
48) 2-Hexanone	10.963	43	118516	55.877	ug/L	98
49) Dibromochloromethane	11.128	129	113796	22.457	ug/L	99
50) 1,2-Dibromoethane	11.232	107	94182	22.278	ug/L	96
51) Chlorobenzene	11.652	112	339382	22.072	ug/L	97
52) Ethylbenzene	11.725	91	567988	21.890	ug/L	99
53) m,p-Xylene	11.835	106	219178	21.437	ug/L	96
54) o-Xylene	12.164	106	222295	22.657	ug/L	100
55) Styrene	12.176	104	390865	23.445	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	123008	23.391	ug/L	97
59) Bromoform	12.347	173	62377	23.227	ug/L	99
60) Isopropylbenzene	12.463	105	596927	22.994	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	91516	24.170	ug/L	99
62) 1,3,5-Trimethylbenzene	12.939	105	317271	21.967	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	486604	22.438	ug/L	100
64) 1,3-Dichlorobenzene	13.493	146	255253	22.022	ug/L	95
65) 1,4-Dichlorobenzene	13.579	146	255133	21.311	ug/L	97
67) 1,2-Dichlorobenzene	13.871	146	242600	22.873	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	19093	23.073	ug/L	94
69) 1,3,5-Trichlorobenzene	14.621	180	150290	19.534	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	125264	20.240	ug/L	98
71) Naphthalene	15.359	128	313828	23.330	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	109078	19.886	ug/L	97

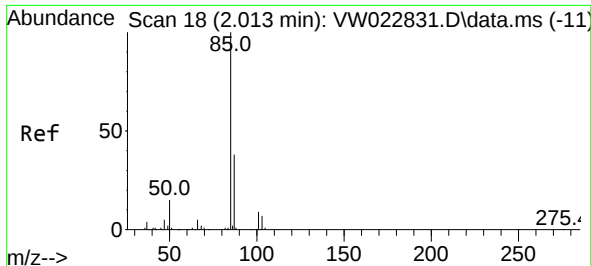
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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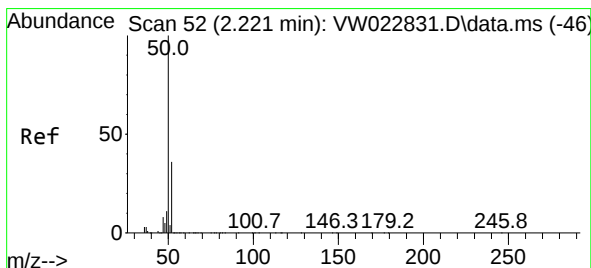
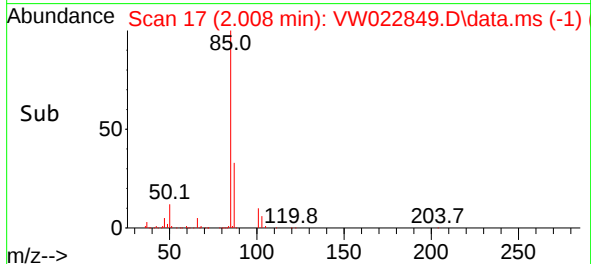
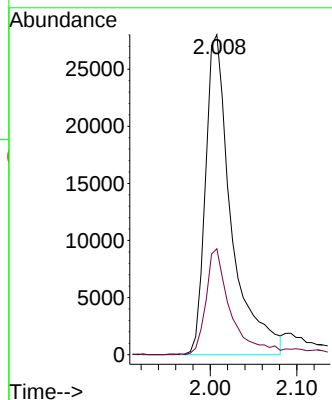
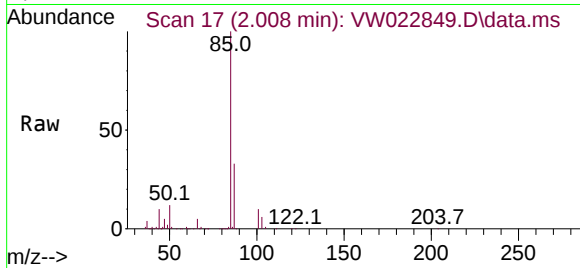




#2
Dichlorodifluoromethane
Concen: 30.301 ug/L
RT: 2.008 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

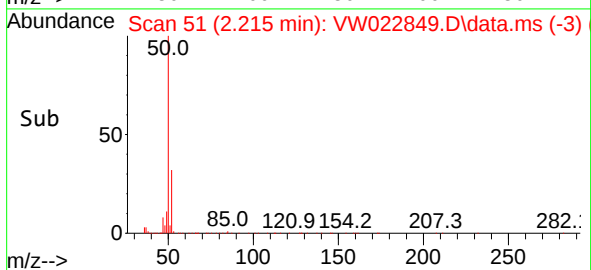
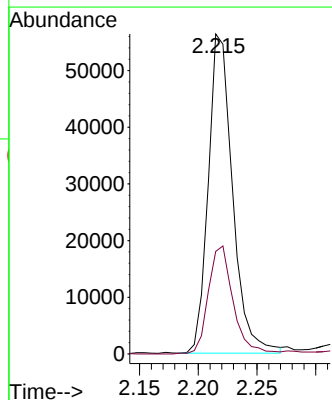
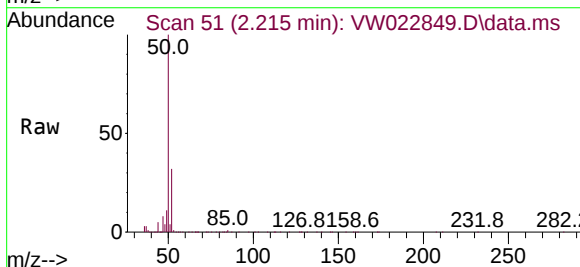
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

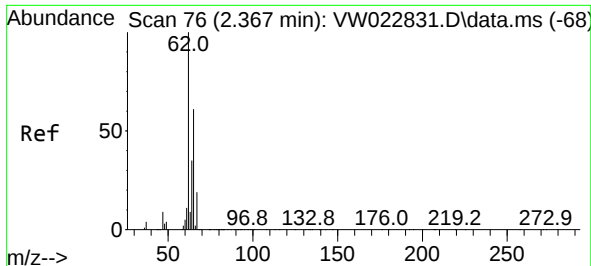
Tgt Ion: 85 Resp: 58079
Ion Ratio Lower Upper
85 100
87 31.6 27.8 41.8



#3
Chloromethane
Concen: 21.902 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 50 Resp: 81122
Ion Ratio Lower Upper
50 100
52 32.0 23.1 42.9

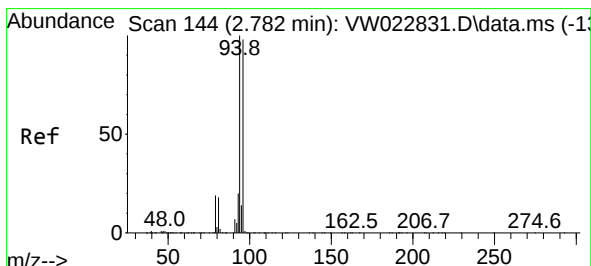
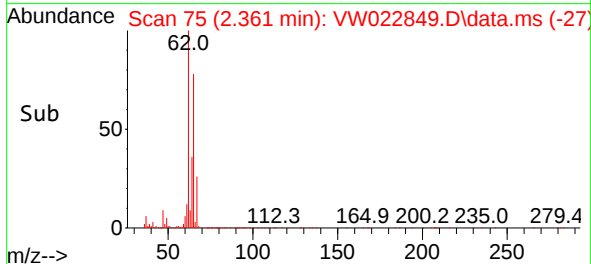
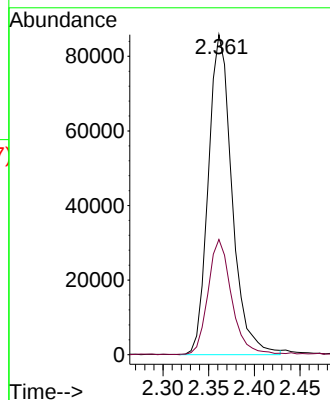
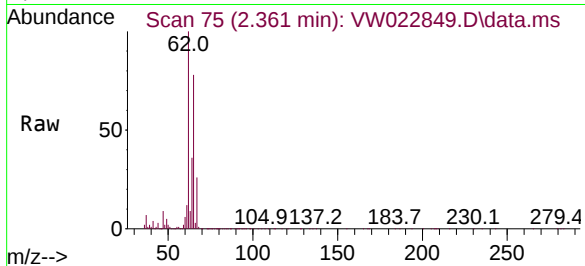




#5
 Vinyl chloride
 Concen: 20.819 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VW022849.D
 Acq: 05 May 2022 18:02

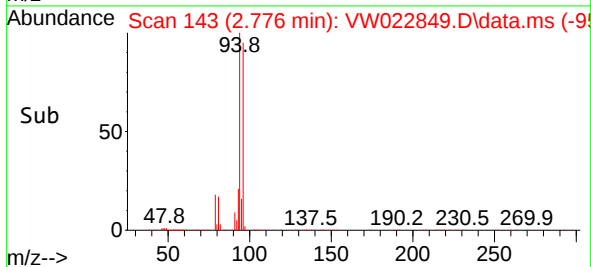
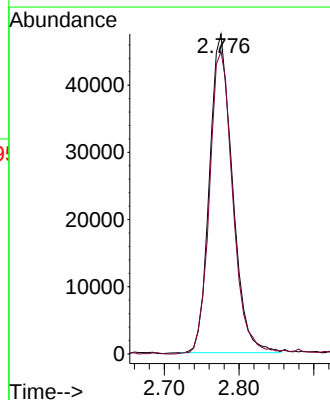
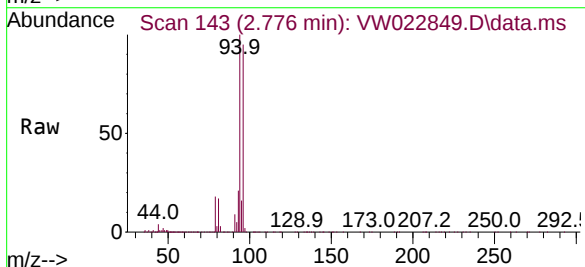
Instrument :
 MSVOA_W
 ClientSampleId :
 EXL30MSD

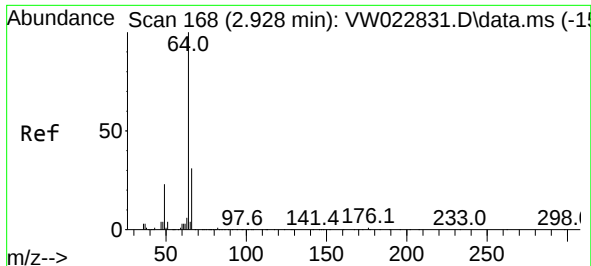
Tgt Ion: 62 Resp: 154755
 Ion Ratio Lower Upper
 62 100
 64 36.0 24.9 46.3



#6
 Bromomethane
 Concen: 21.262 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW022849.D
 Acq: 05 May 2022 18:02

Tgt Ion: 94 Resp: 101473
 Ion Ratio Lower Upper
 94 100
 96 94.5 61.7 114.5

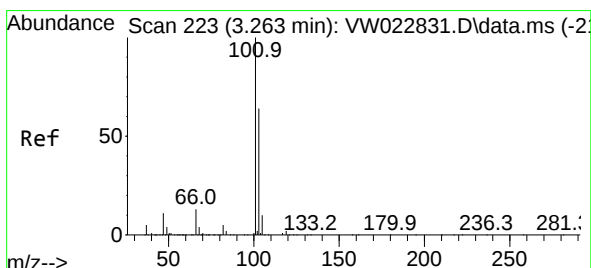
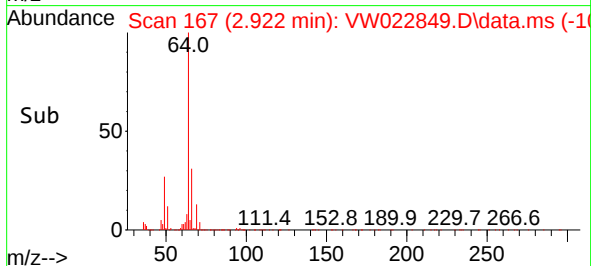
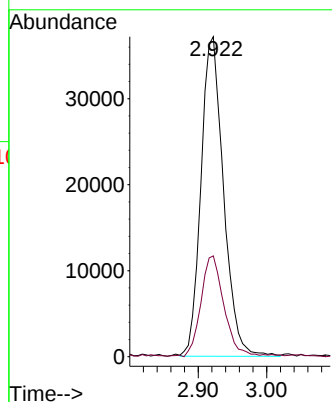
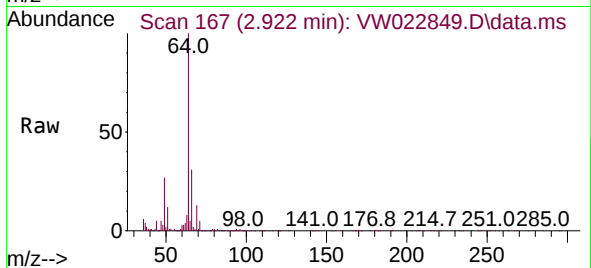




#8
Chloroethane
Concen: 23.696 ug/L
RT: 2.922 min Scan# 168
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

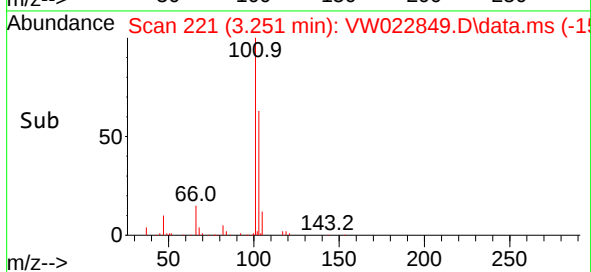
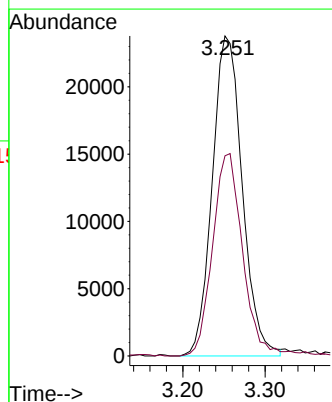
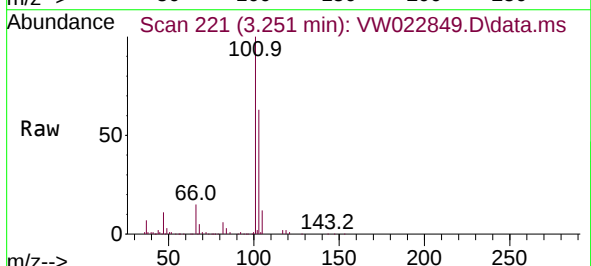
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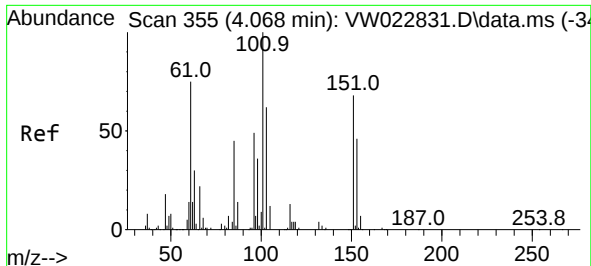
Tgt Ion: 64 Resp: 84955
Ion Ratio Lower Upper
64 100
66 31.5 23.4 43.6



#9
Trichlorofluoromethane
Concen: 17.754 ug/L
RT: 3.251 min Scan# 221
Delta R.T. -0.012 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 101 Resp: 60317
Ion Ratio Lower Upper
101 100
103 62.8 53.9 80.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 20.675 ug/L

RT: 4.062 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

EXL30MSD

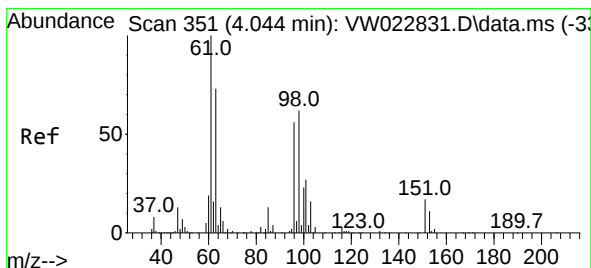
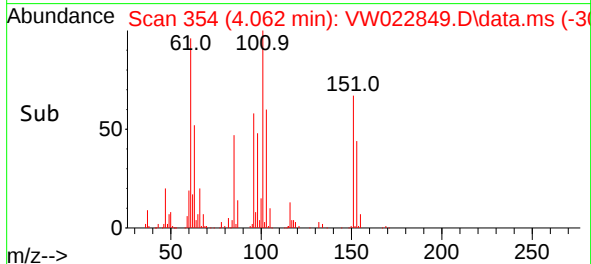
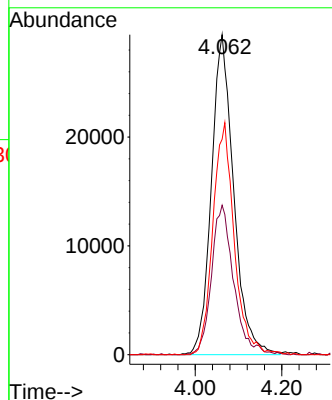
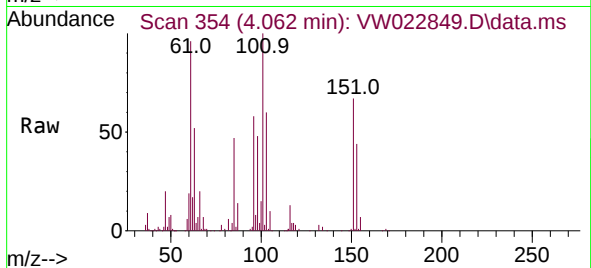
Tgt Ion:101 Resp: 105029

Ion Ratio Lower Upper

101 100

85 45.2 34.3 51.5

151 69.0 54.2 81.2



#12

1,1-Dichloroethene

Concen: 20.224 ug/L

RT: 4.038 min Scan# 350

Delta R.T. -0.006 min

Lab File: VW022849.D

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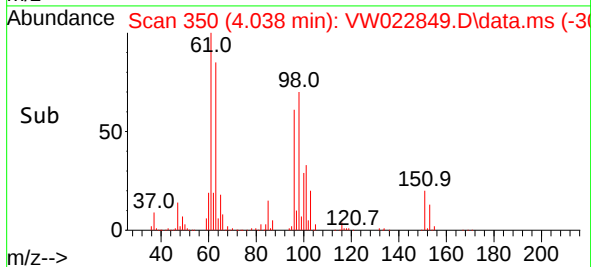
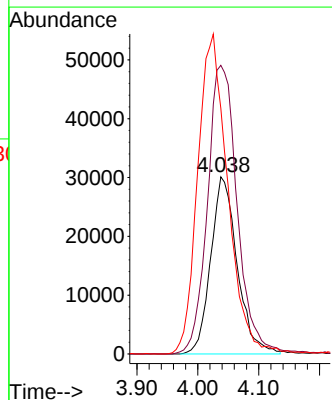
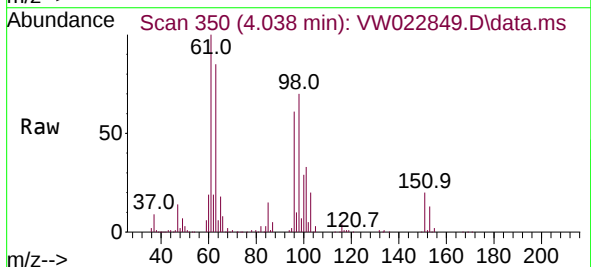
Tgt Ion: 96 Resp: 91075

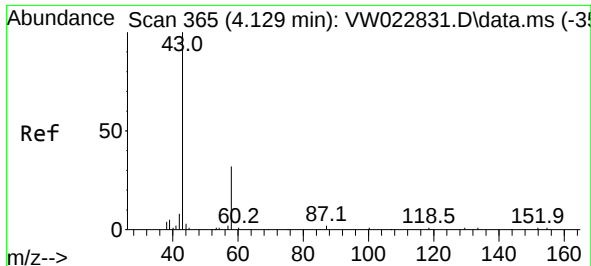
Ion Ratio Lower Upper

96 100

61 162.9 125.7 233.5

63 138.6 83.4 155.0





#13

Acetone

Concen: 57.714 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.006 min

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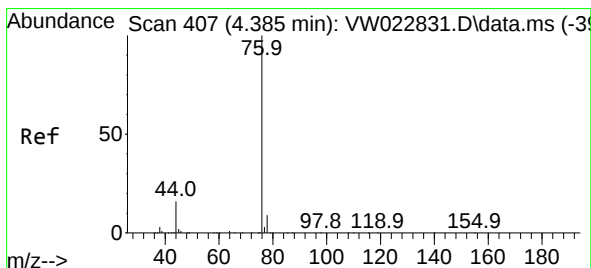
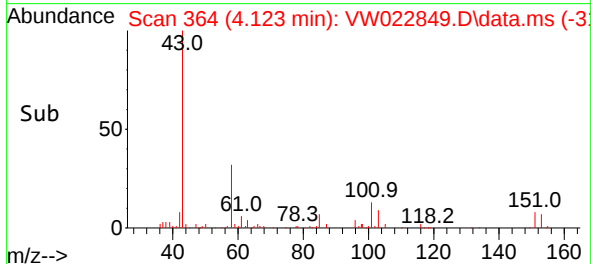
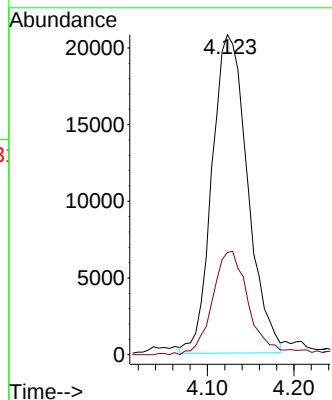
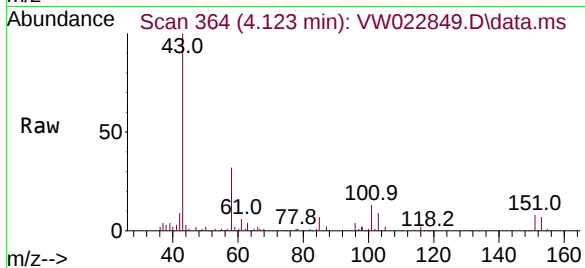
EXL30MSD

Tgt Ion: 43 Resp: 59265

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.0



#14

Carbon disulfide

Concen: 17.625 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

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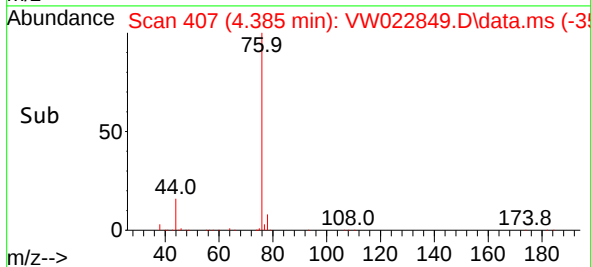
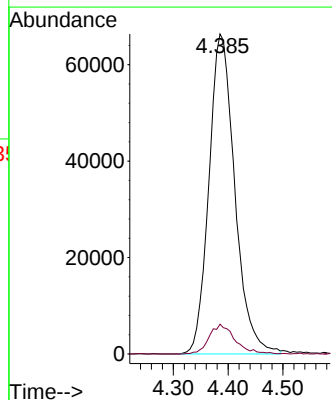
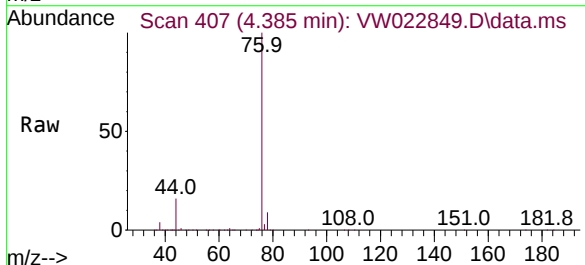
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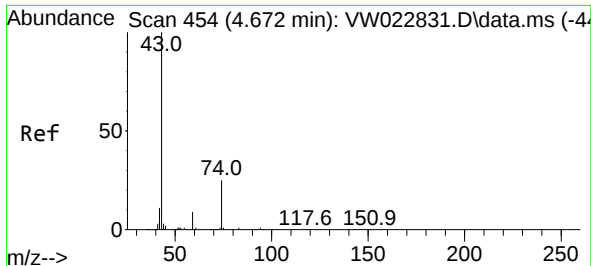
Tgt Ion: 76 Resp: 217605

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

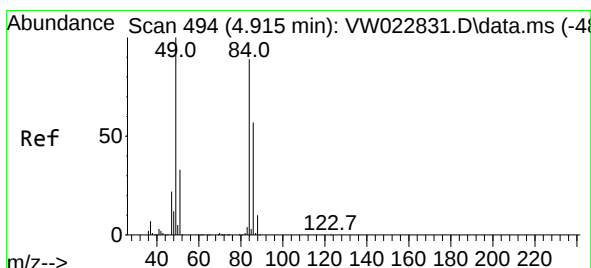
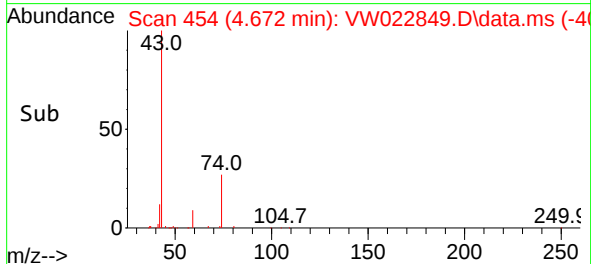
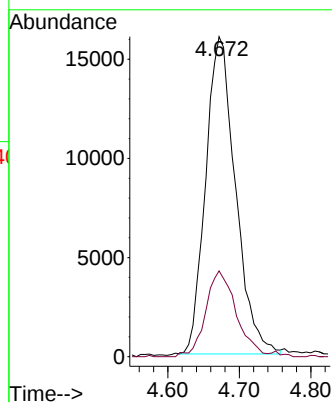
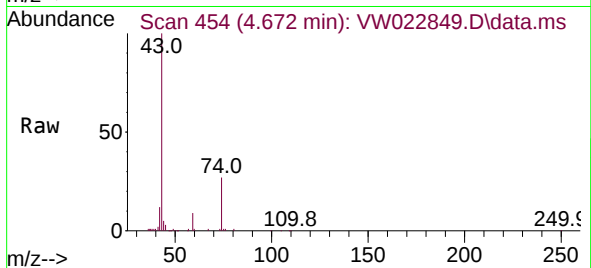




#15
Methyl Acetate
Concen: 22.495 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

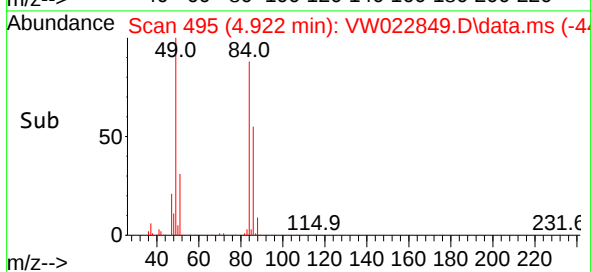
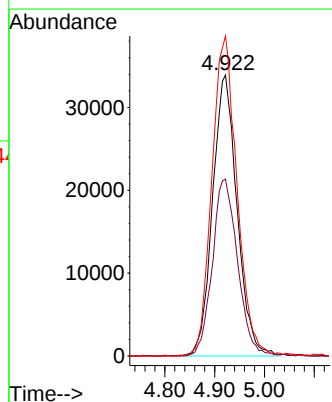
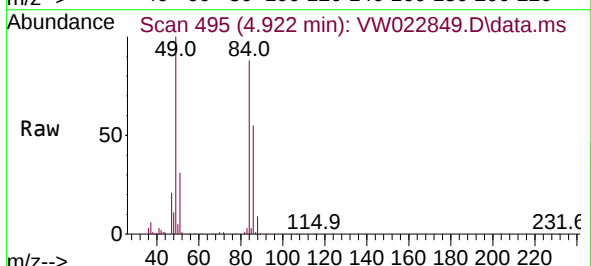
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

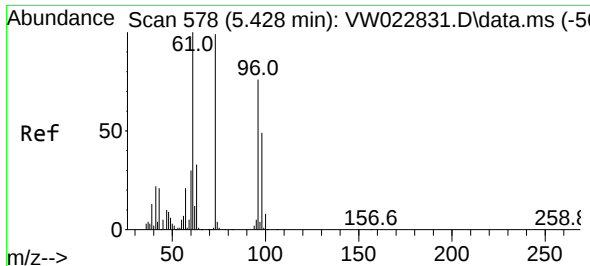
Tgt Ion: 43 Resp: 46406
Ion Ratio Lower Upper
43 100
74 27.1 21.9 32.9



#16
Methylene chloride
Concen: 22.507 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 84 Resp: 115795
Ion Ratio Lower Upper
84 100
86 62.9 45.4 84.4
49 113.9 82.5 153.1

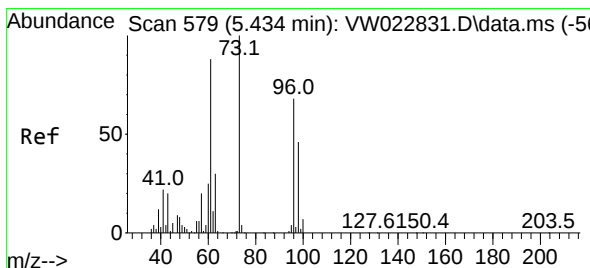
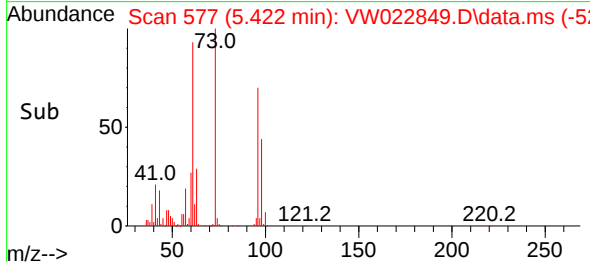
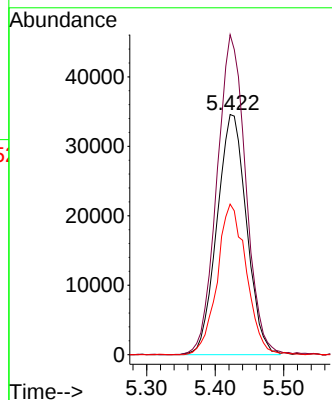
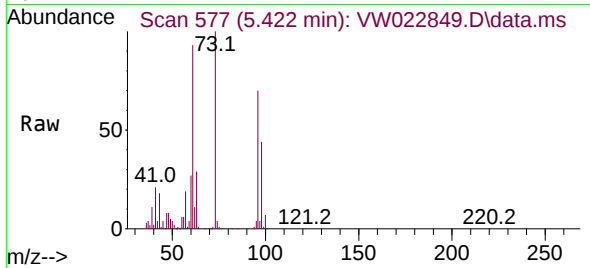




#17
trans-1,2-Dichloroethene
Concen: 20.445 ug/L
RT: 5.422 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

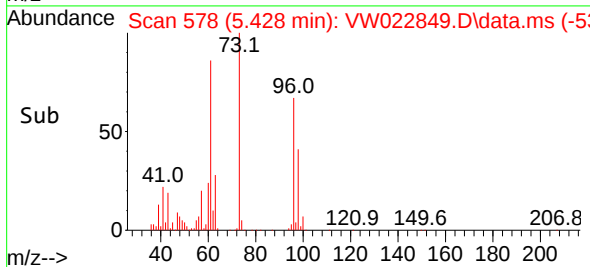
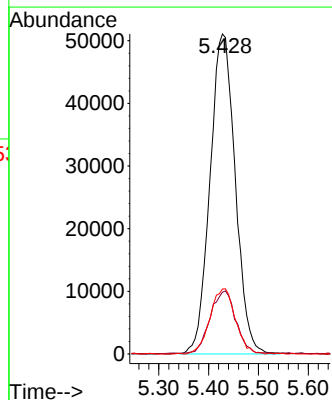
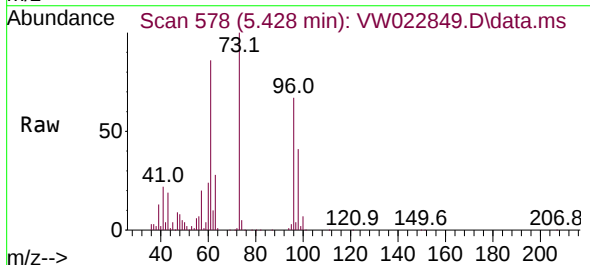
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

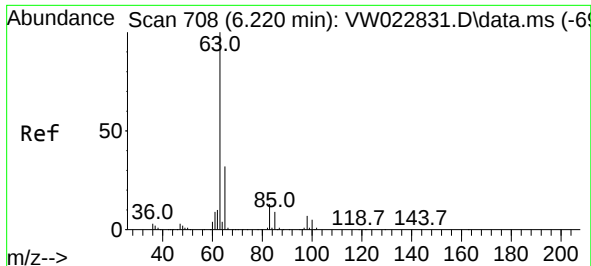
Tgt Ion: 96 Resp: 103612
Ion Ratio Lower Upper
96 100
61 133.2 92.2 171.2
98 62.7 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 23.228 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 73 Resp: 179697
Ion Ratio Lower Upper
73 100
43 19.8 15.9 23.9
57 20.4 16.5 24.7





#19

1,1-Dichloroethane

Concen: 21.977 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

EXL30MSD

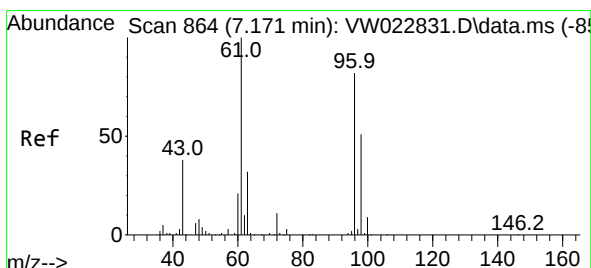
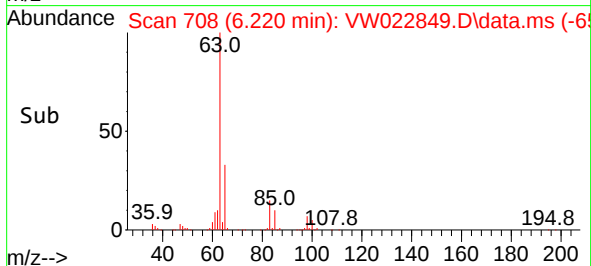
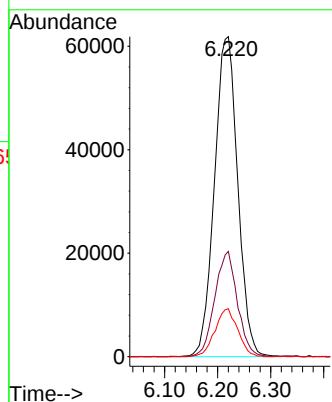
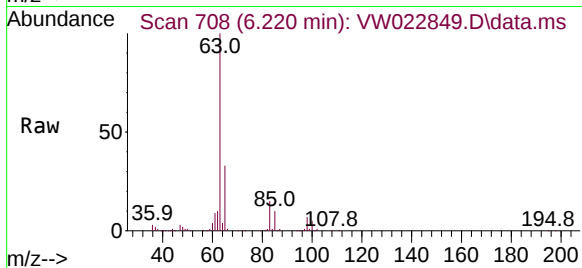
Tgt Ion: 63 Resp: 188762

Ion Ratio Lower Upper

63 100

65 32.9 23.3 43.3

83 15.0 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 21.834 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

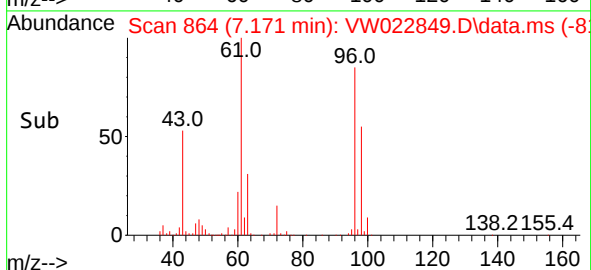
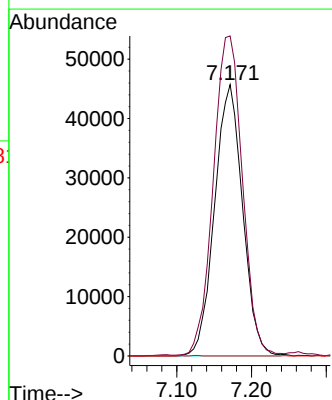
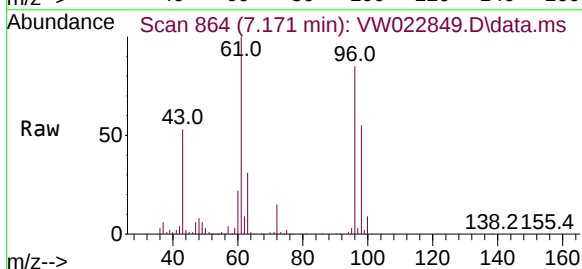
Tgt Ion: 96 Resp: 118845

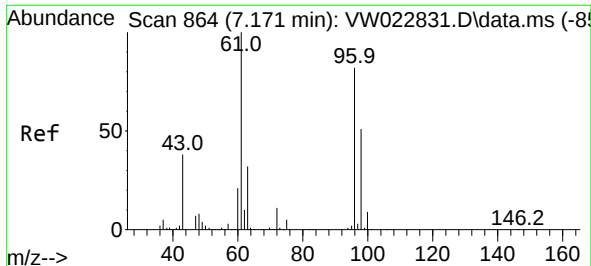
Ion Ratio Lower Upper

96 100

61 117.9 84.2 156.4

68 0.0 0.1 0.1#

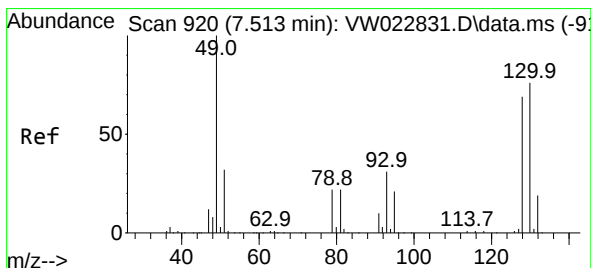
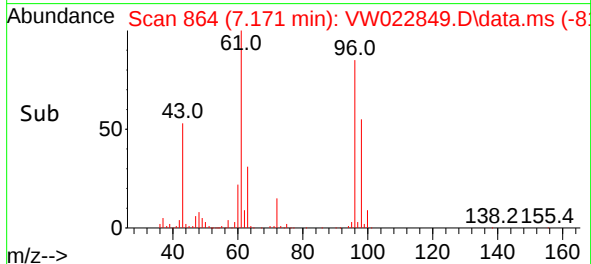
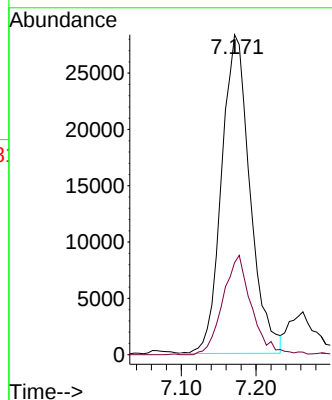
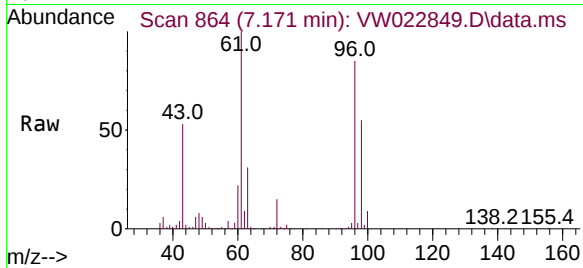




#22
2-Butanone
Concen: 52.183 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

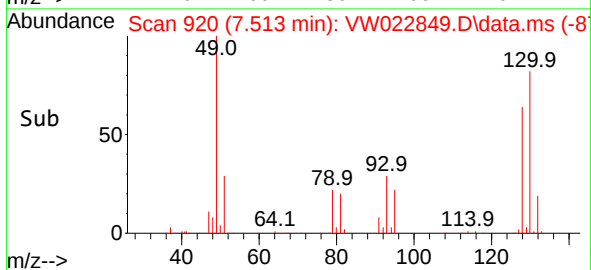
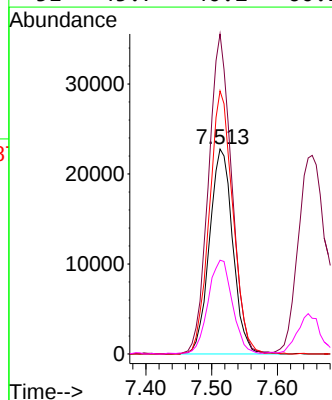
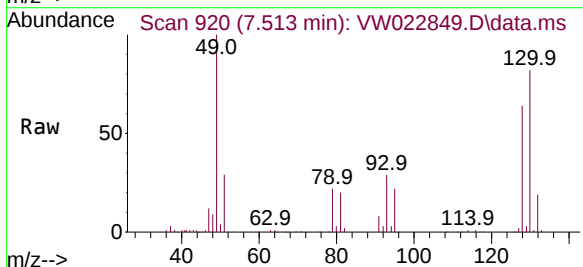
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

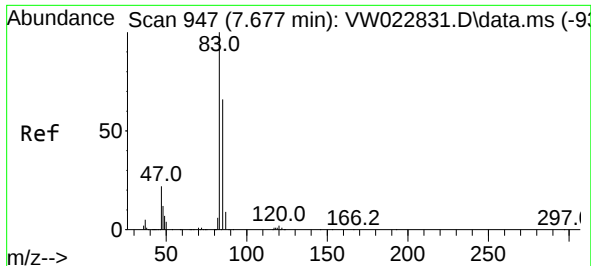
Tgt Ion: 43 Resp: 74938
Ion Ratio Lower Upper
43 100
72 31.2 15.1 45.3



#23
Bromochloromethane
Concen: 22.035 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 128 Resp: 56172
Ion Ratio Lower Upper
128 100
49 156.1 110.0 204.4
130 128.3 94.8 176.0
51 45.7 40.2 60.2

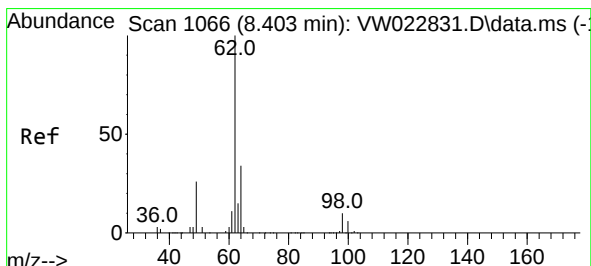
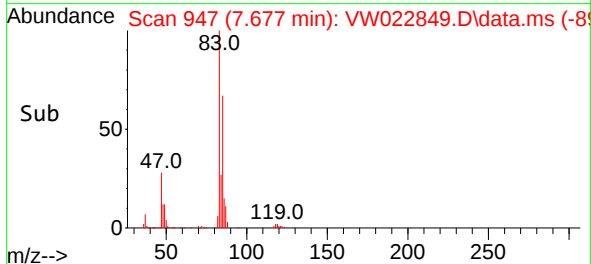
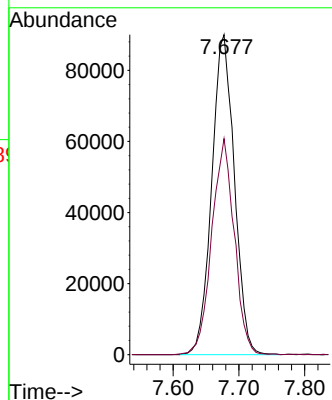
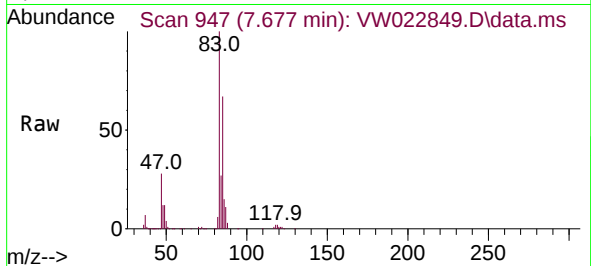




#25
Chloroform
Concen: 22.682 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

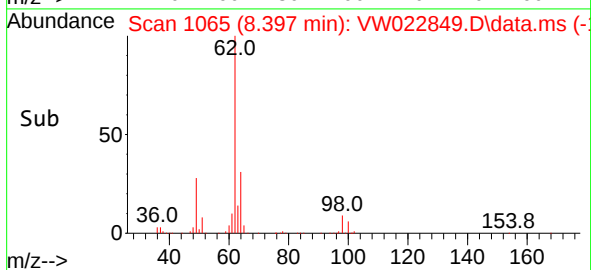
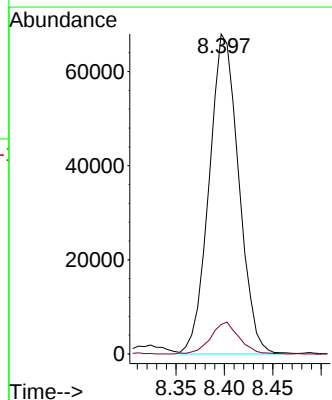
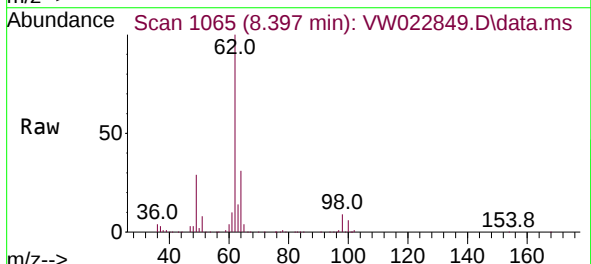
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

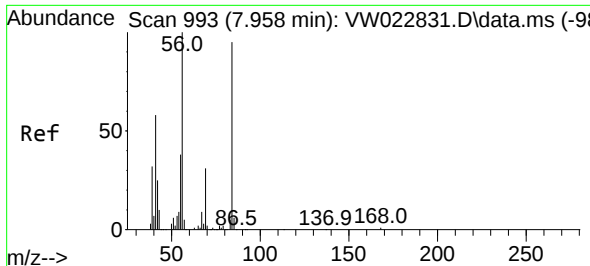
Tgt Ion: 83 Resp: 215420
Ion Ratio Lower Upper
83 100
85 67.5 46.6 86.6



#27
1,2-Dichloroethane
Concen: 22.858 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

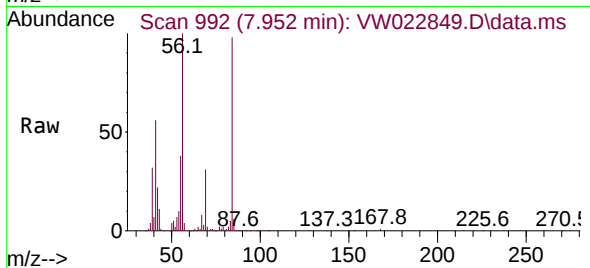
Tgt Ion: 62 Resp: 144712
Ion Ratio Lower Upper
62 100
98 9.2 7.2 10.8





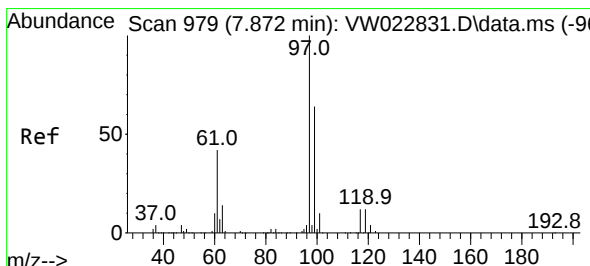
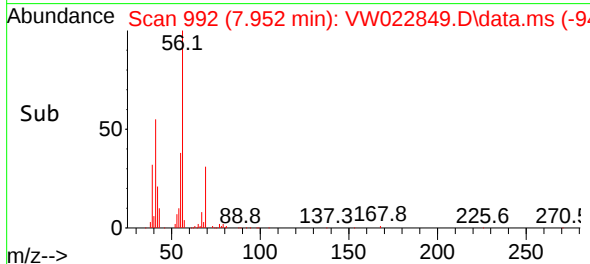
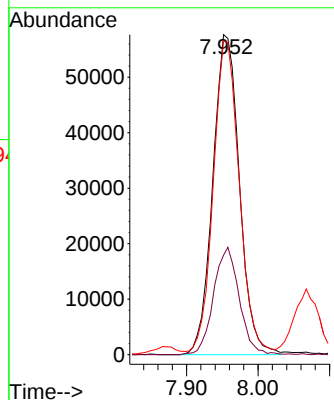
#29
Cyclohexane
Concen: 19.524 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD



Tgt Ion: 56 Resp: 149168

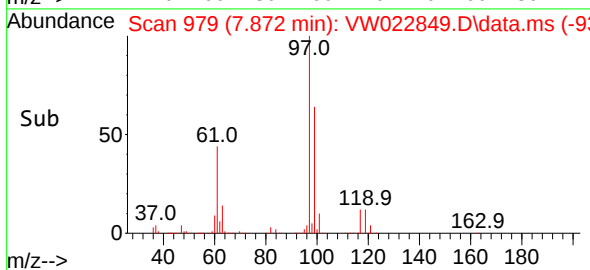
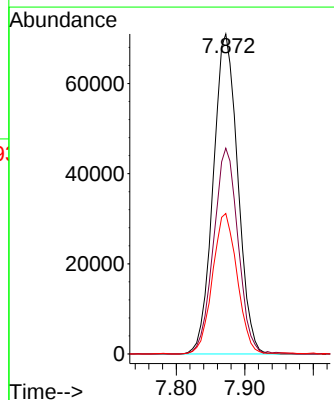
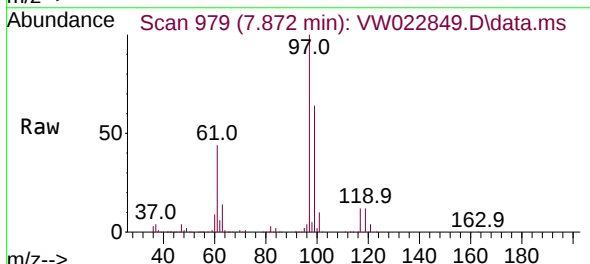
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.6	38.4
84	96.2	78.2	117.4

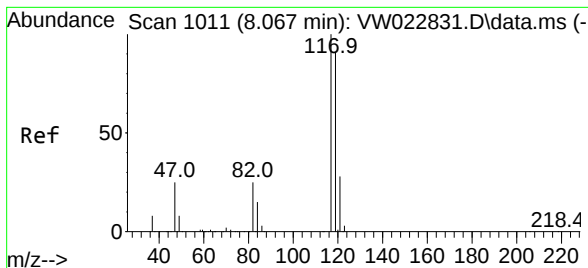


#30
1,1,1-Trichloroethane
Concen: 21.127 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 97 Resp: 176376

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	44.2	34.8	52.2

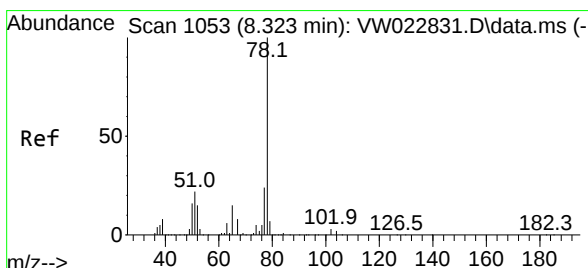
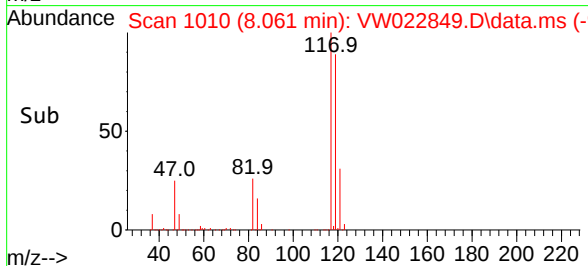
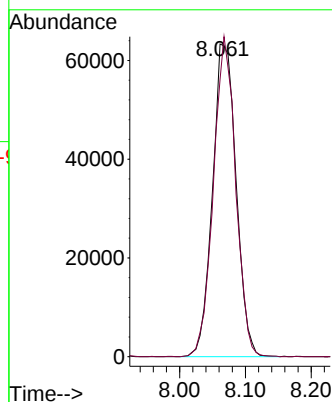
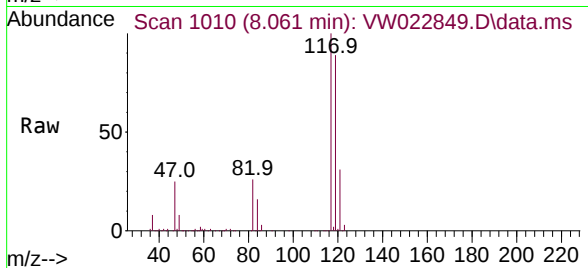




#31
Carbon tetrachloride
Concen: 20.299 ug/L
RT: 8.061 min Scan# 1010
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

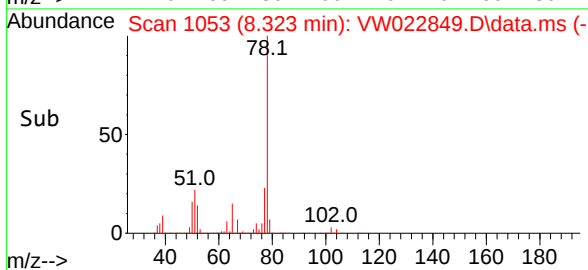
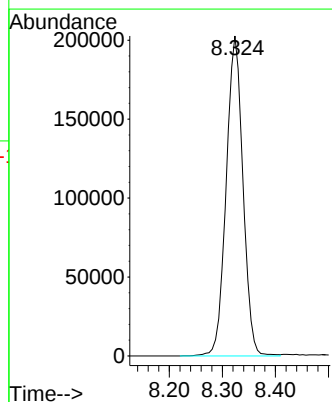
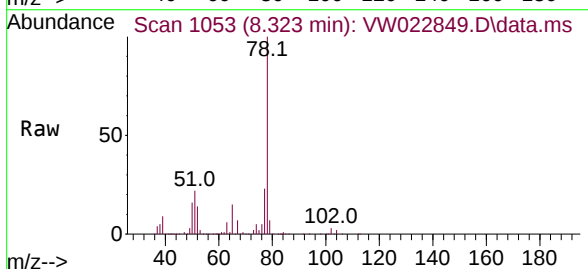
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

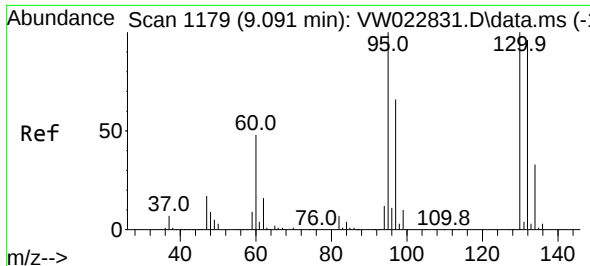
Tgt Ion:117 Resp: 158525
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0



#33
Benzene
Concen: 21.397 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 78 Resp: 445301

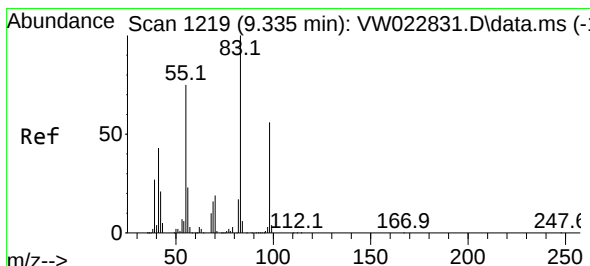
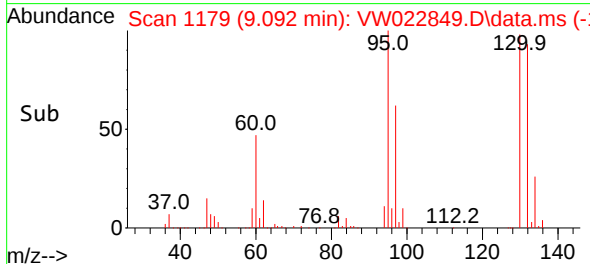
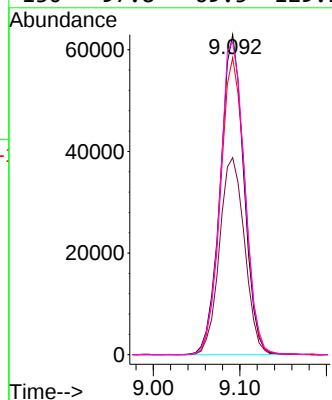
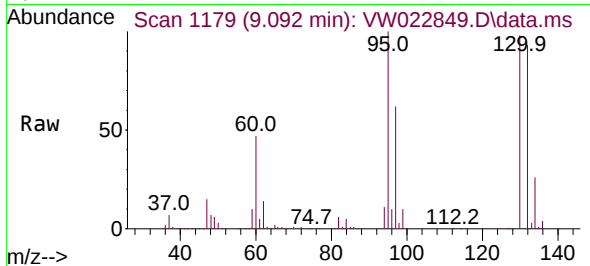




#34
Trichloroethene
Concen: 20.822 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

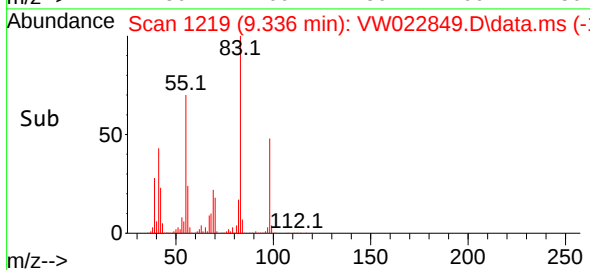
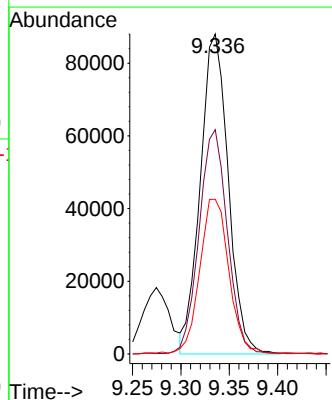
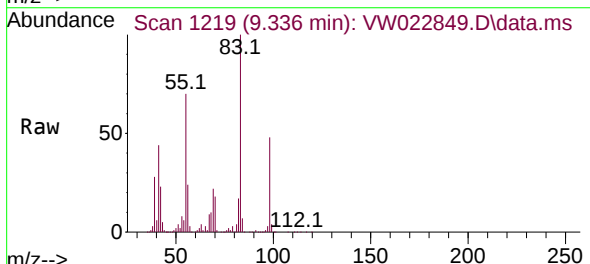
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

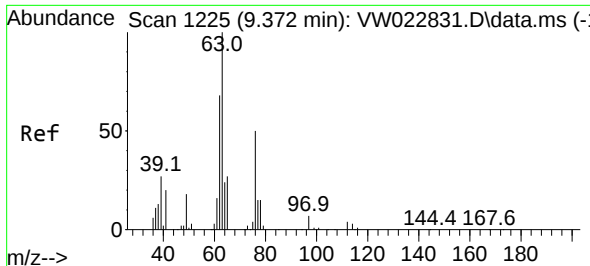
Tgt Ion: 95 Resp: 119173
Ion Ratio Lower Upper
95 100
97 61.6 46.1 85.7
132 92.8 66.9 124.3
130 97.8 69.5 129.1



#35
Methylcyclohexane
Concen: 18.873 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 83 Resp: 177452
Ion Ratio Lower Upper
83 100
55 70.4 55.1 82.7
98 50.4 40.4 60.6





#37

1,2-Dichloropropane

Concen: 21.941 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

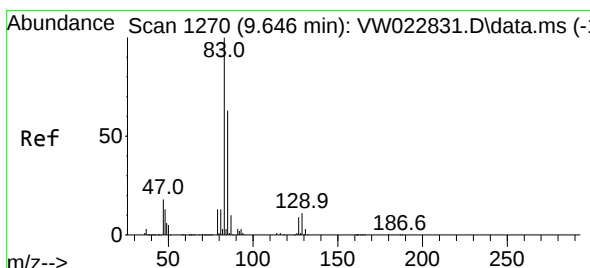
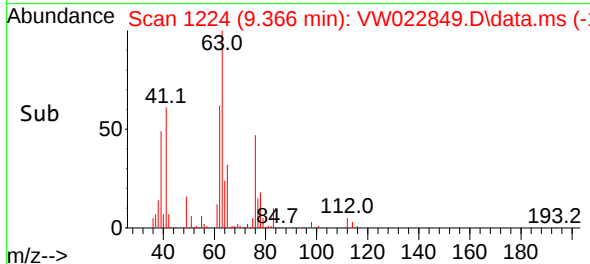
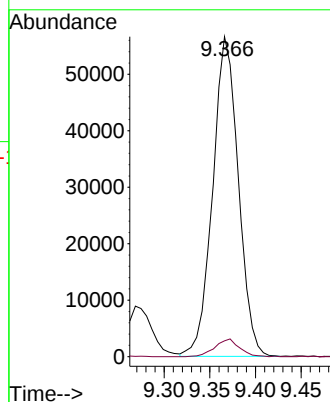
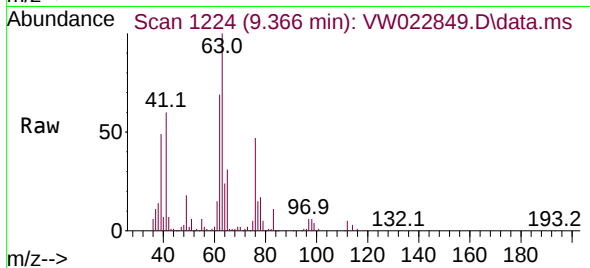
EXL30MSD

Tgt Ion: 63 Resp: 110501

Ion Ratio Lower Upper

63 100

112 5.3 3.8 5.8



#38

Bromodichloromethane

Concen: 21.961 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

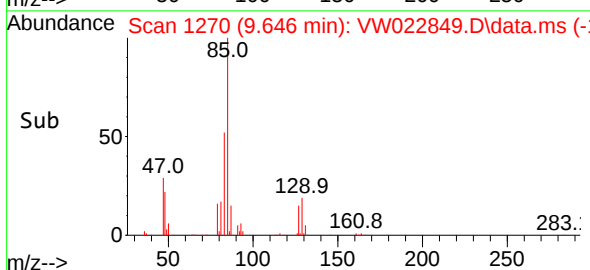
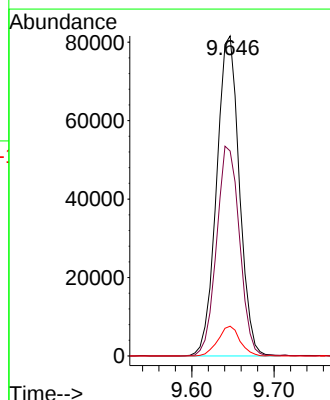
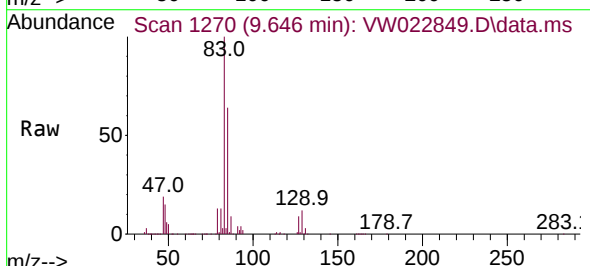
Tgt Ion: 83 Resp: 157098

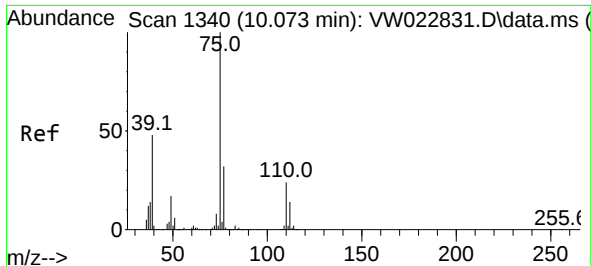
Ion Ratio Lower Upper

83 100

85 64.0 43.5 80.7

127 10.2 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 22.697 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

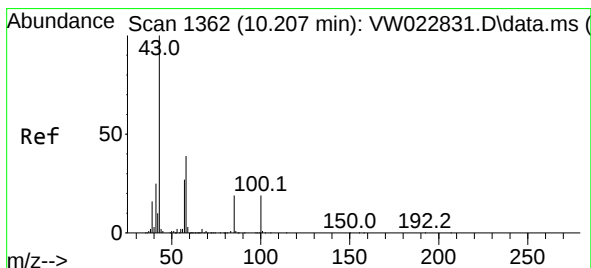
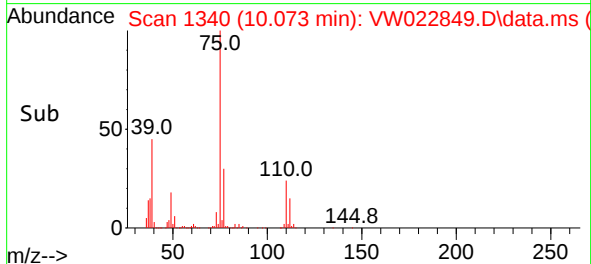
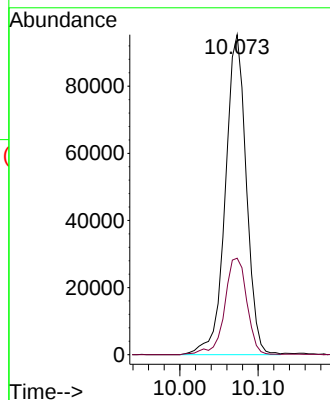
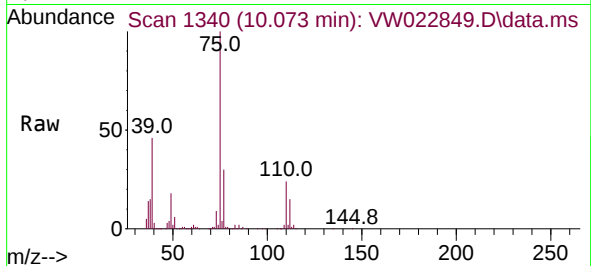
EXL30MSD

Tgt Ion: 75 Resp: 177250

Ion Ratio Lower Upper

75 100

77 30.2 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 48.224 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

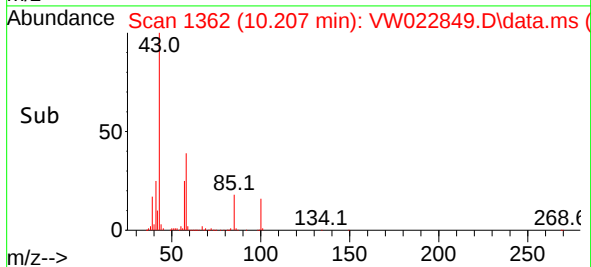
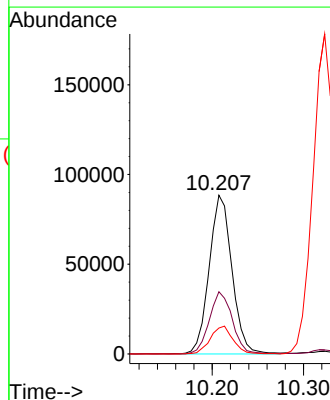
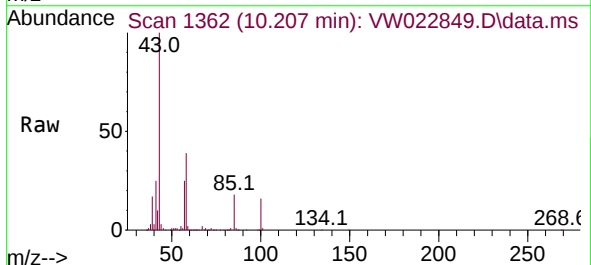
Tgt Ion: 43 Resp: 153082

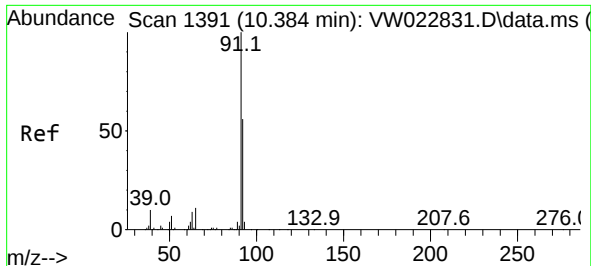
Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.2

100 17.5 14.2 21.4

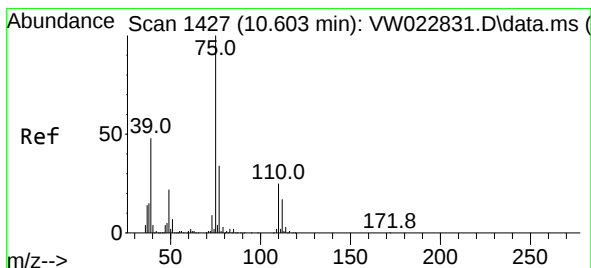
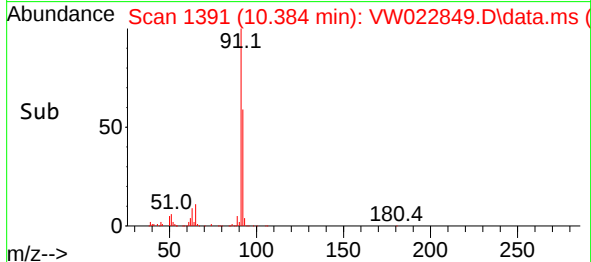
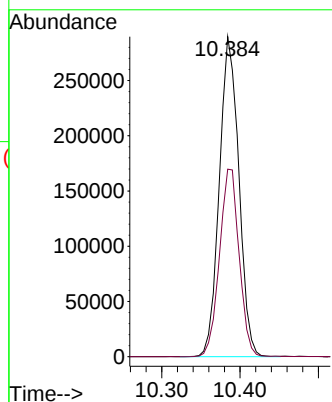
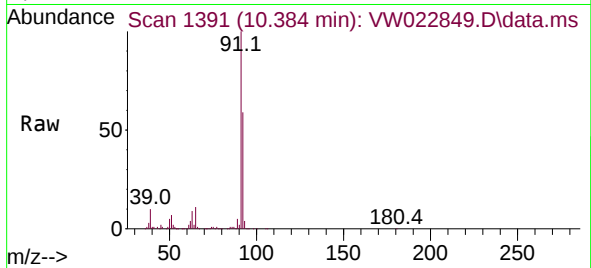




#42
Toluene
Concen: 21.503 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

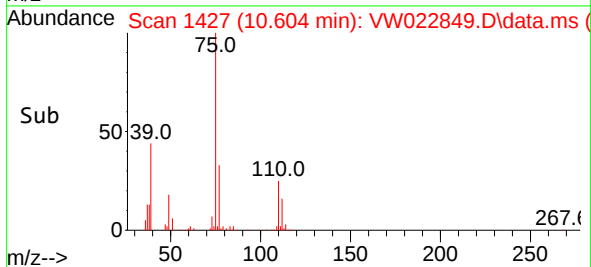
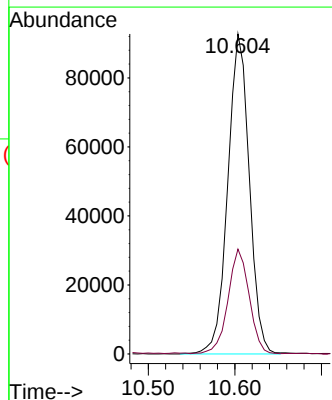
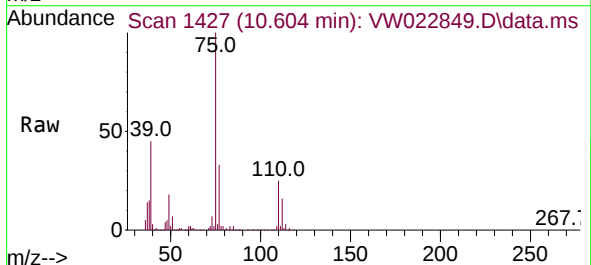
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

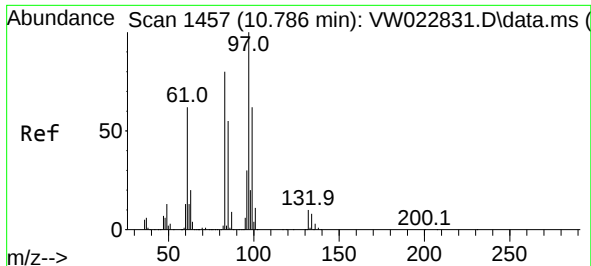
Tgt Ion: 91 Resp: 501519
Ion Ratio Lower Upper
91 100
92 58.6 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 22.950 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 75 Resp: 159964
Ion Ratio Lower Upper
75 100
77 32.7 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 23.361 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

EXL30MSD

Tgt Ion: 97 Resp: 98353

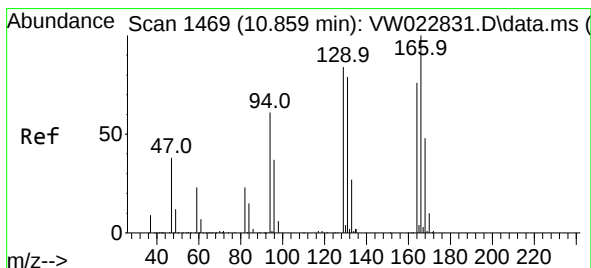
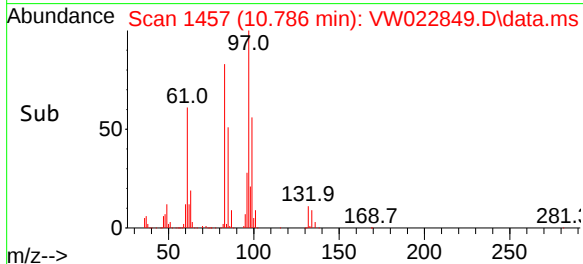
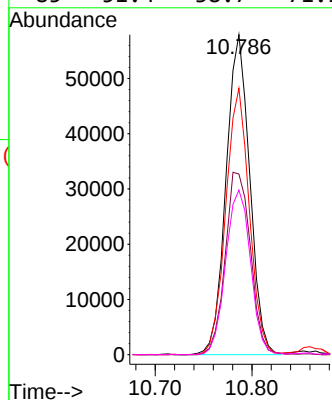
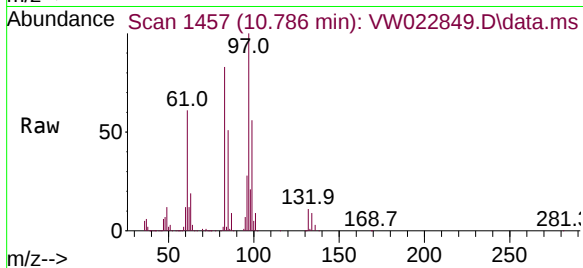
Ion Ratio Lower Upper

97 100

99 56.4 44.7 82.9

83 83.3 58.4 108.4

85 51.4 38.7 71.9



#46

Tetrachloroethene

Concen: 20.463 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Tgt Ion:164 Resp: 88017

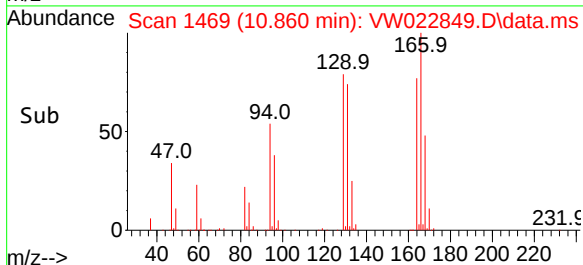
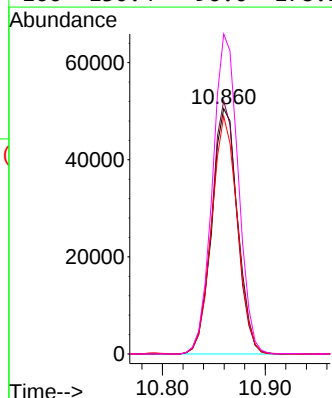
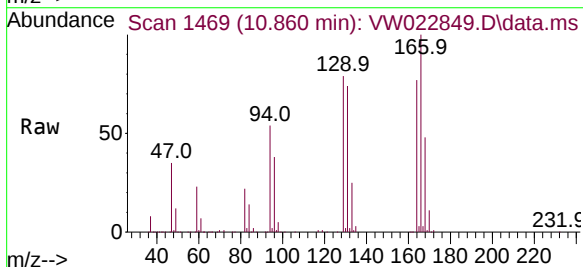
Ion Ratio Lower Upper

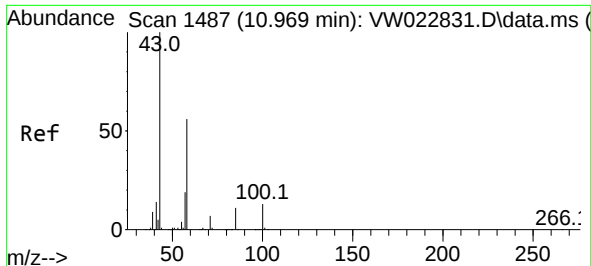
164 100

129 103.1 76.9 142.7

131 96.9 75.1 139.5

166 130.4 96.0 178.2

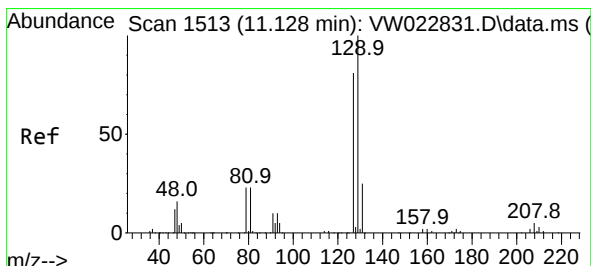
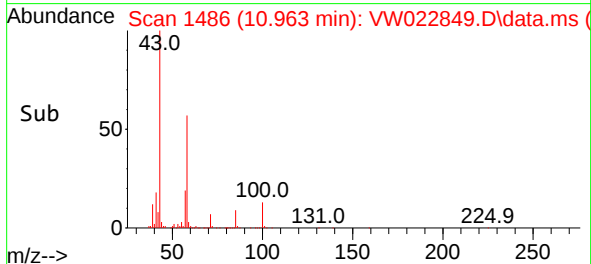
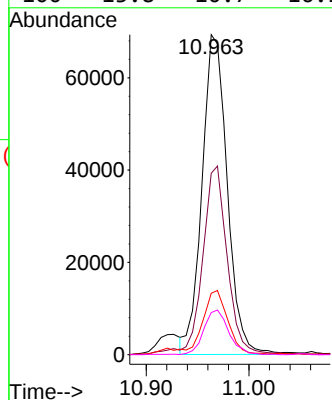
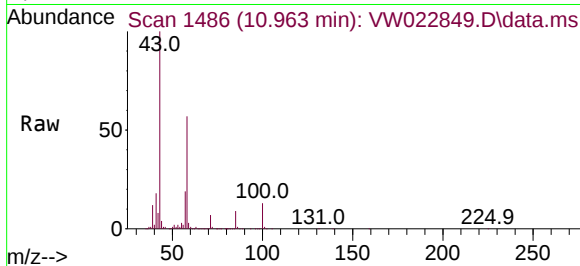




#48
2-Hexanone
Concen: 55.877 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

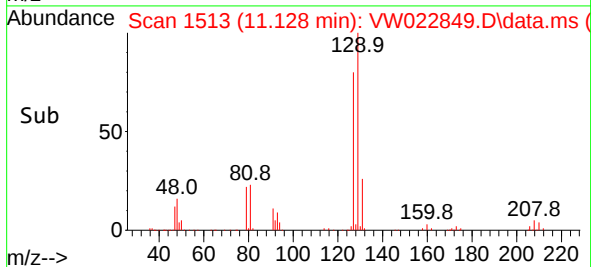
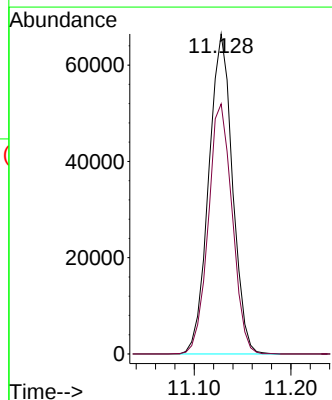
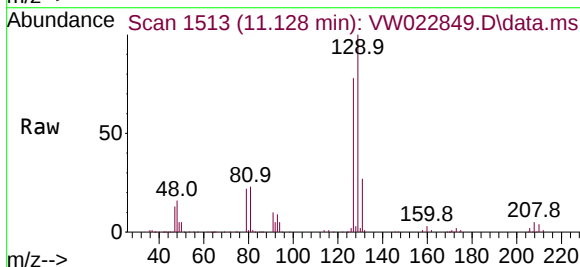
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

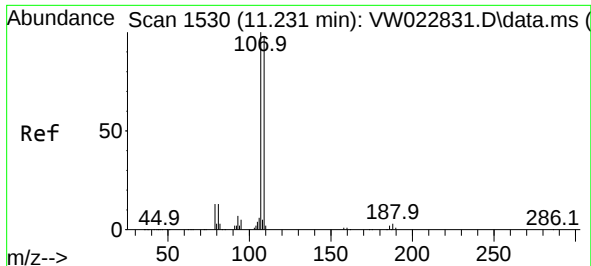
Tgt Ion: 43 Resp: 118516
Ion Ratio Lower Upper
43 100
58 56.0 45.9 68.9
57 19.6 16.2 24.2
100 13.8 10.7 16.1



#49
Dibromochloromethane
Concen: 22.457 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion:129 Resp: 113796
Ion Ratio Lower Upper
129 100
127 78.2 53.8 100.0





#50

1,2-Dibromoethane

Concen: 22.278 ug/L

RT: 11.232 min Scan# 1530

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

EXL30MSD

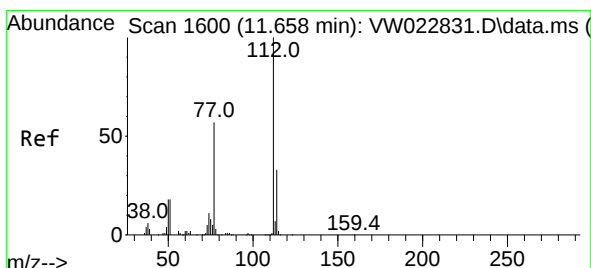
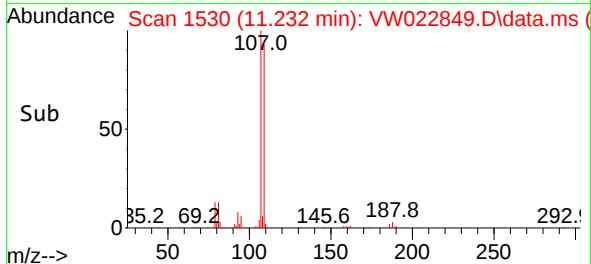
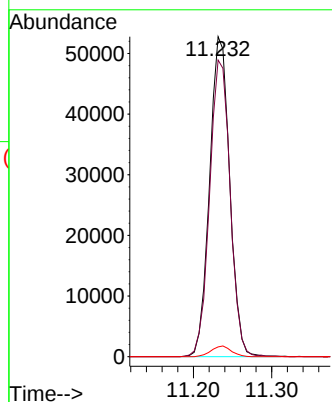
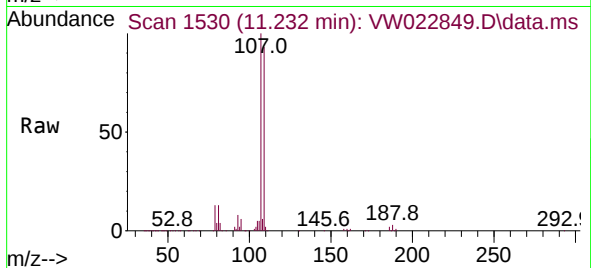
Tgt Ion:107 Resp: 94182

Ion Ratio Lower Upper

107 100

109 92.7 67.5 125.4

188 3.0 2.9 4.3



#51

Chlorobenzene

Concen: 22.072 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

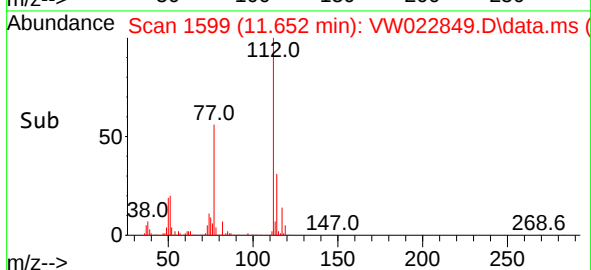
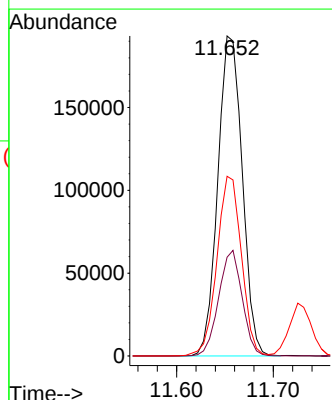
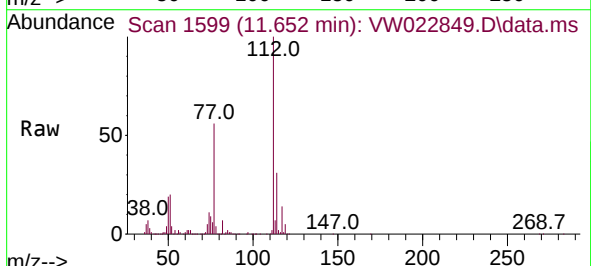
Tgt Ion:112 Resp: 339382

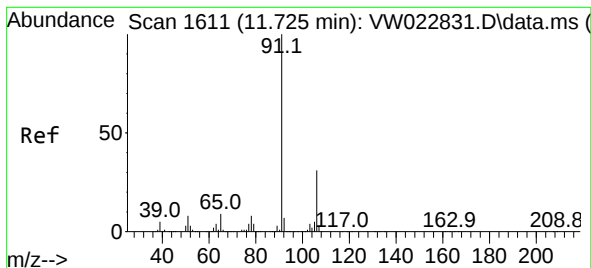
Ion Ratio Lower Upper

112 100

114 30.8 22.0 41.0

77 56.1 42.6 63.8

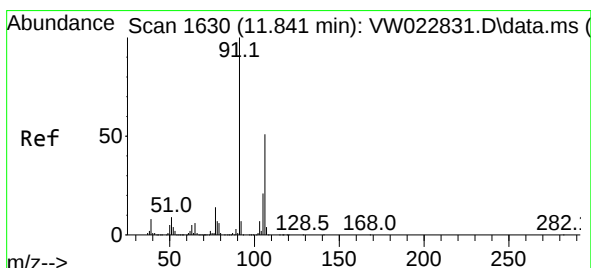
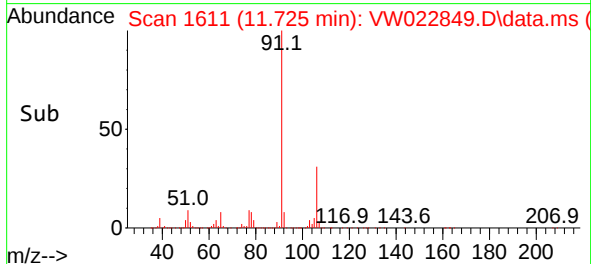
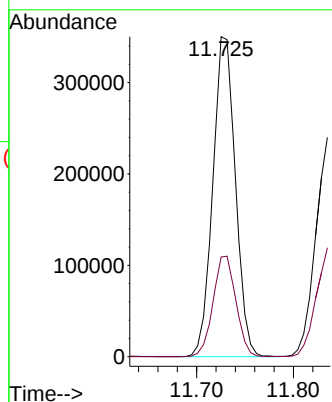
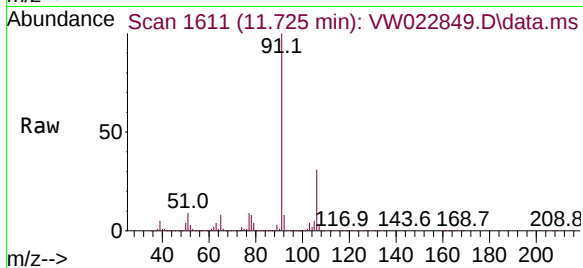




#52
Ethylbenzene
Concen: 21.890 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

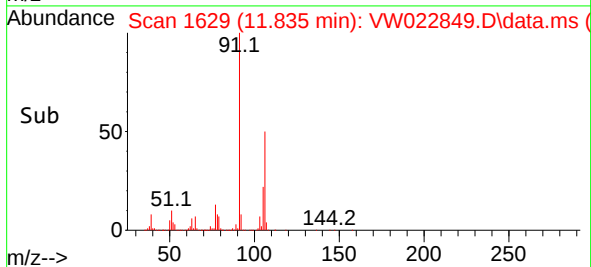
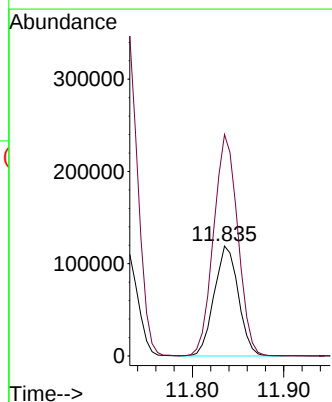
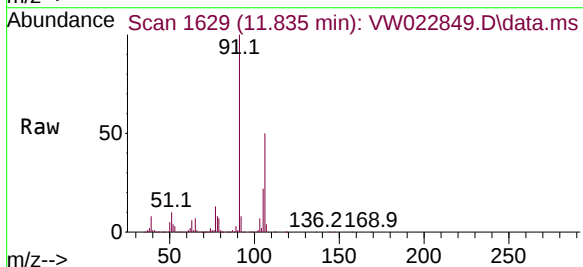
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

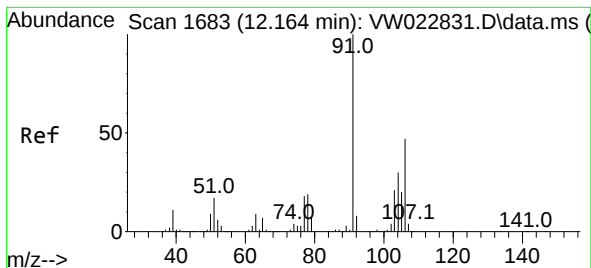
Tgt Ion: 91 Resp: 567988
Ion Ratio Lower Upper
91 100
106 31.1 22.3 41.3



#53
m,p-Xylene
Concen: 21.437 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion: 106 Resp: 219178
Ion Ratio Lower Upper
106 100
91 201.4 136.8 254.0





#54

o-Xylene

Concen: 22.657 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

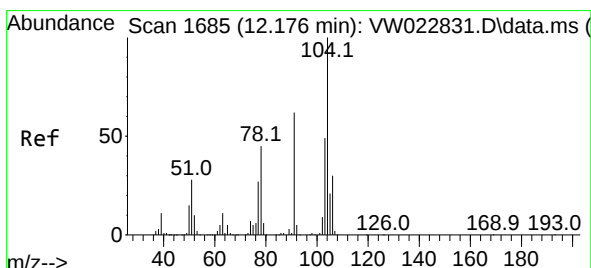
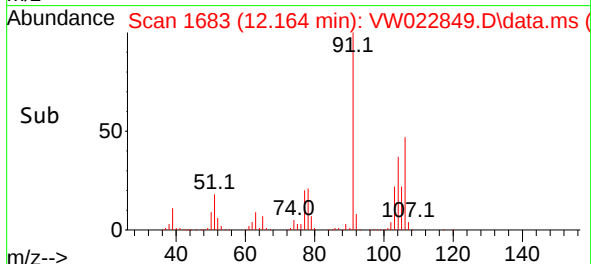
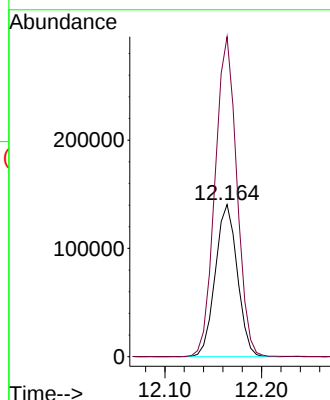
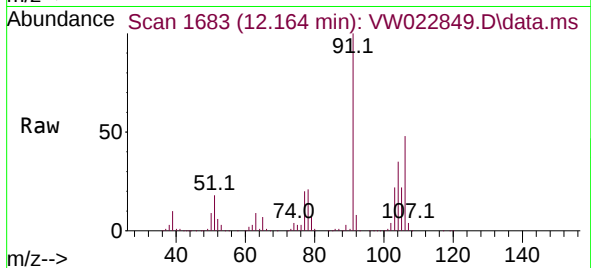
EXL30MSD

Tgt Ion:106 Resp: 222295

Ion Ratio Lower Upper

106 100

91 210.3 147.2 273.4



#55

Styrene

Concen: 23.445 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW022849.D

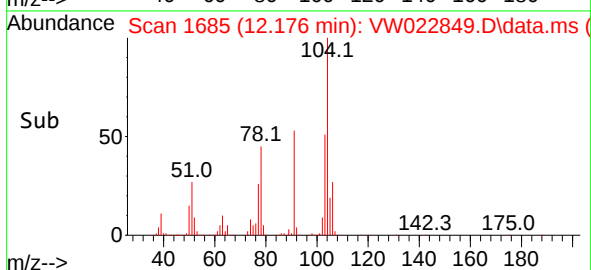
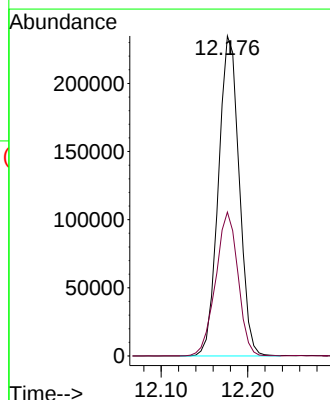
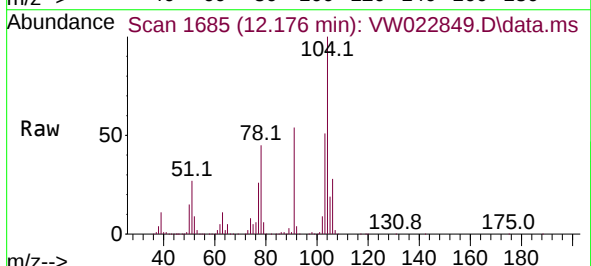
Acq: 05 May 2022 18:02

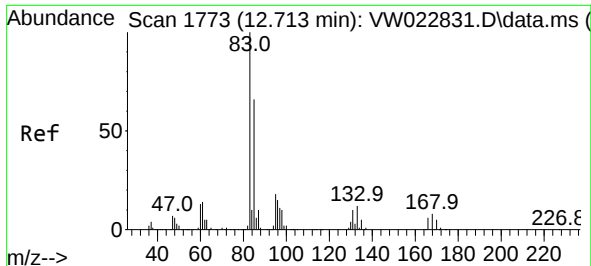
Tgt Ion:104 Resp: 390865

Ion Ratio Lower Upper

104 100

78 45.0 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 23.391 ug/L

RT: 12.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

EXL30MSD

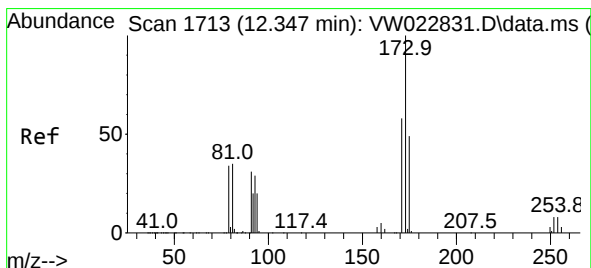
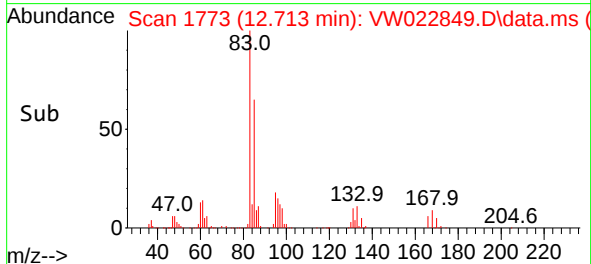
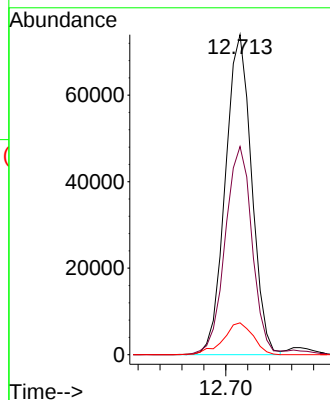
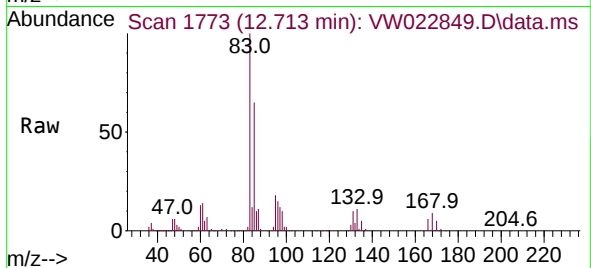
Tgt Ion: 83 Resp: 123008

Ion Ratio Lower Upper

83 100

85 65.0 47.5 88.1

131 9.9 8.7 13.1



#59

Bromoform

Concen: 23.227 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

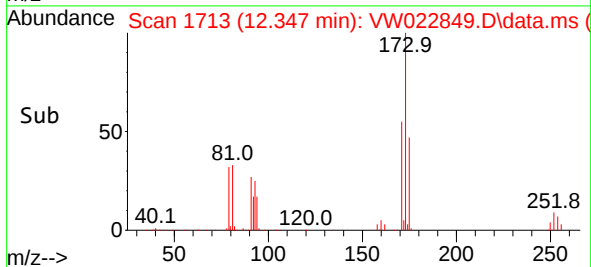
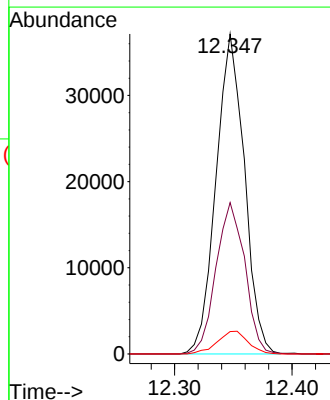
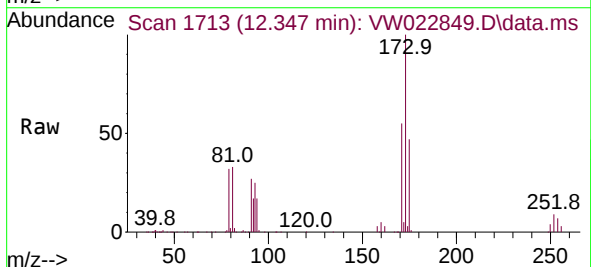
Tgt Ion: 173 Resp: 62377

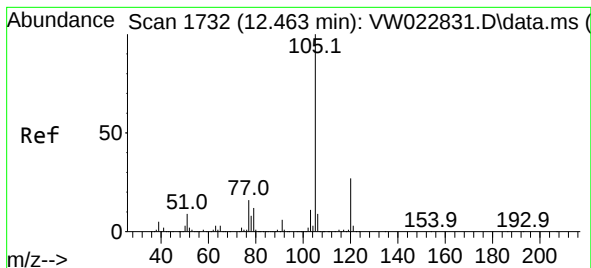
Ion Ratio Lower Upper

173 100

175 47.9 38.1 57.1

254 7.7 6.5 9.7





#60

Isopropylbenzene

Concen: 22.994 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

EXL30MSD

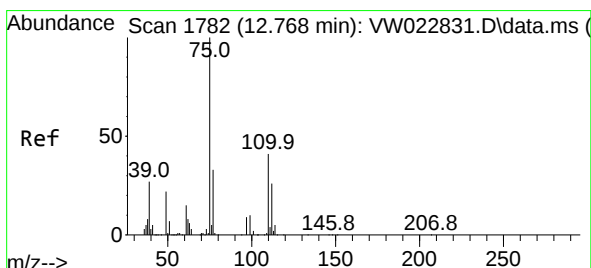
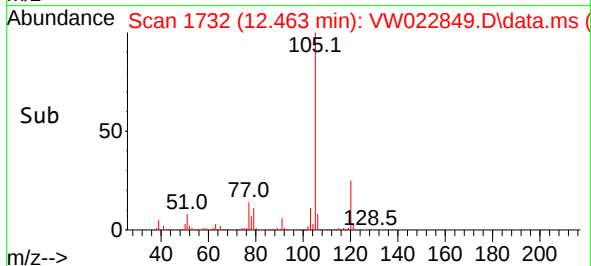
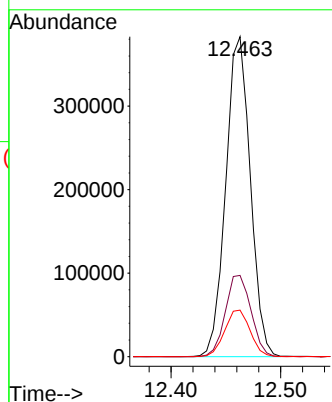
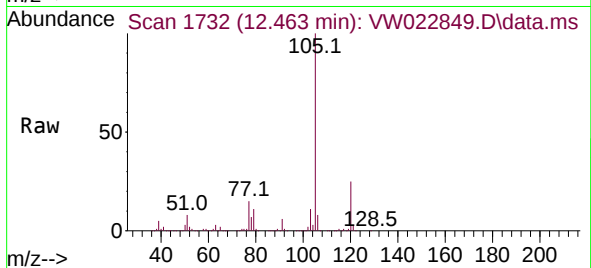
Tgt Ion:105 Resp: 596927

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 15.1 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 24.170 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

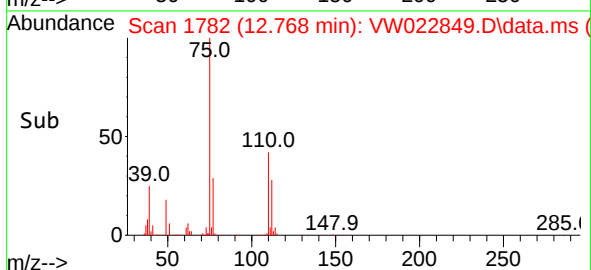
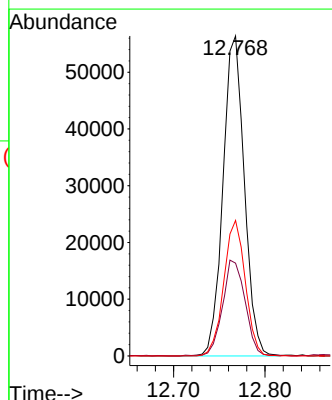
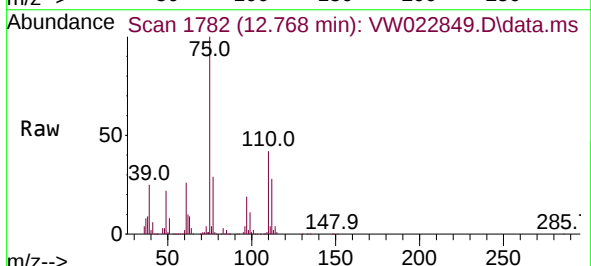
Tgt Ion: 75 Resp: 91516

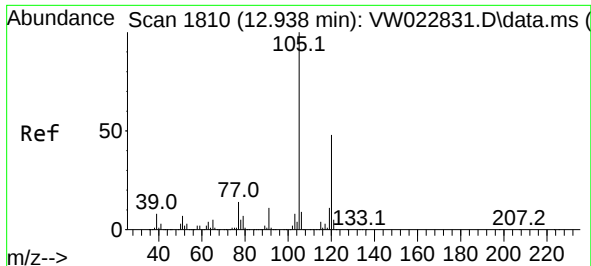
Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

110 42.6 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 21.967 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

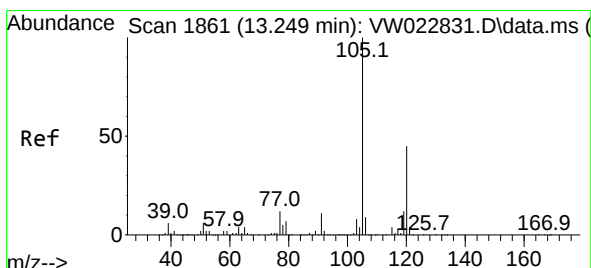
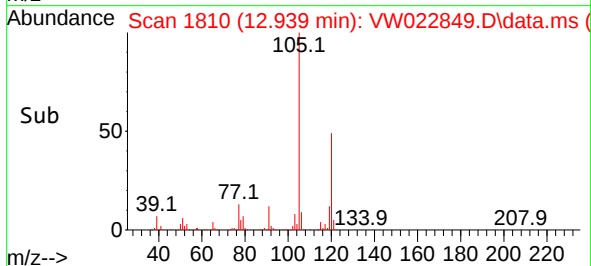
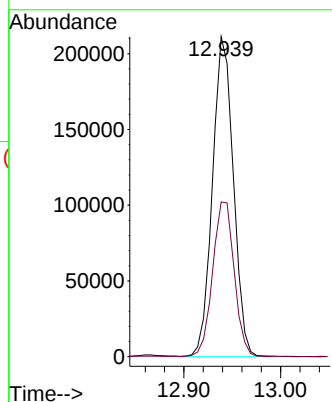
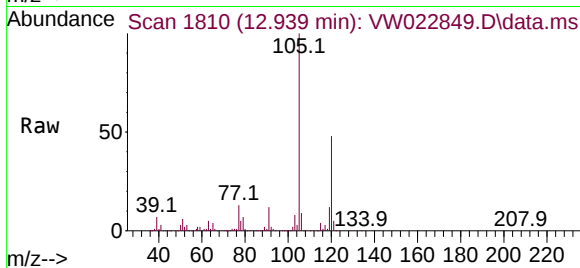
EXL30MSD

Tgt Ion:105 Resp: 317271

Ion Ratio Lower Upper

105 100

120 50.0 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 22.438 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW022849.D

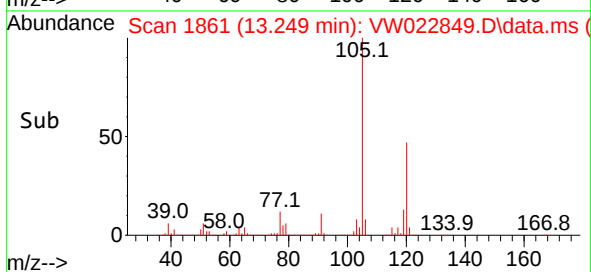
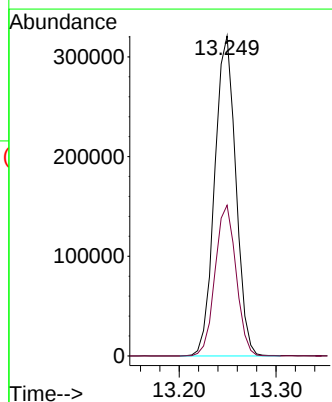
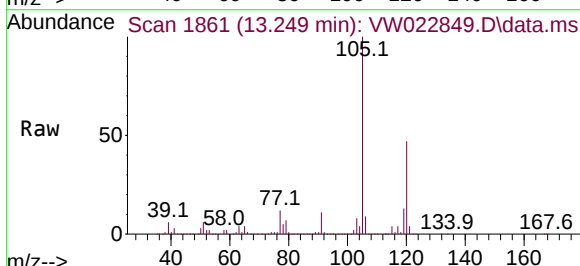
Acq: 05 May 2022 18:02

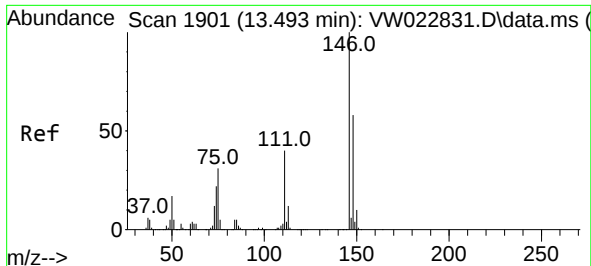
Tgt Ion:105 Resp: 486604

Ion Ratio Lower Upper

105 100

120 46.9 37.4 56.2

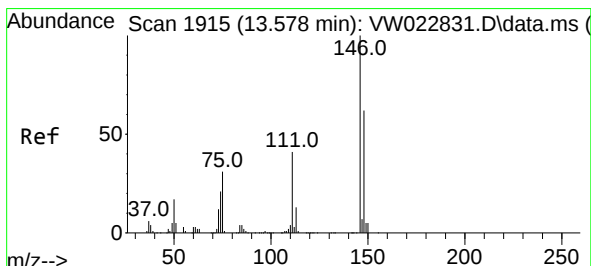
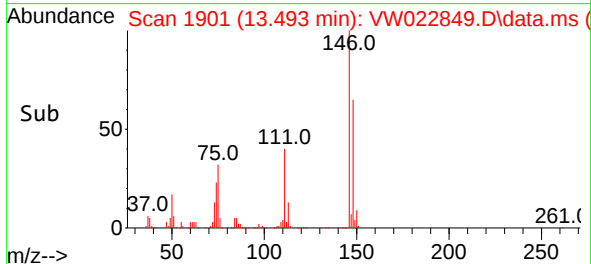
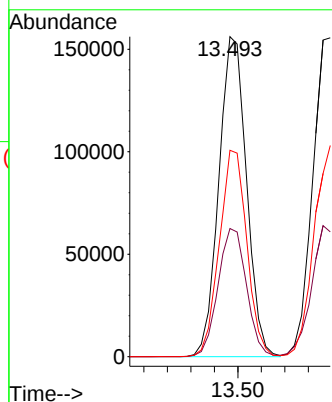
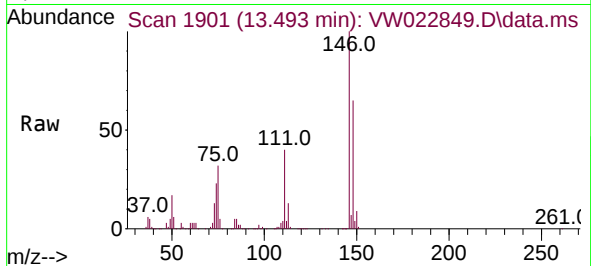




#64
1,3-Dichlorobenzene
Concen: 22.022 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

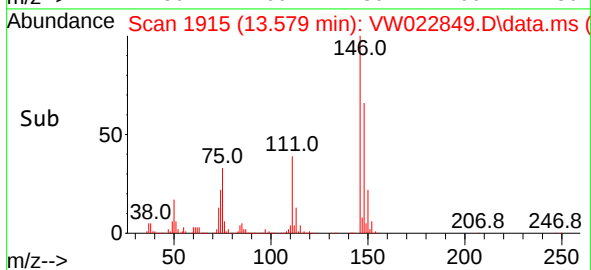
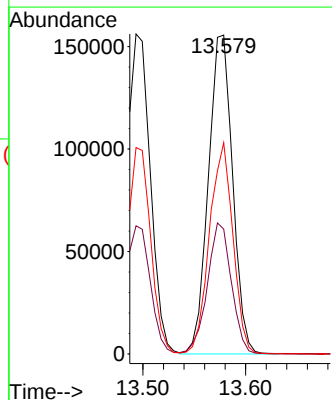
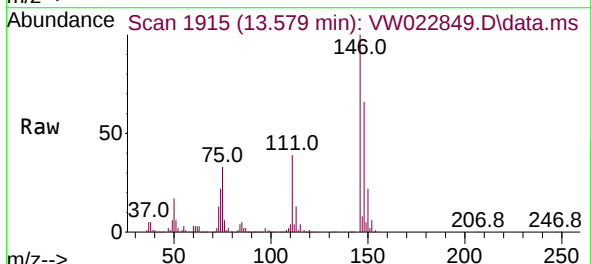
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

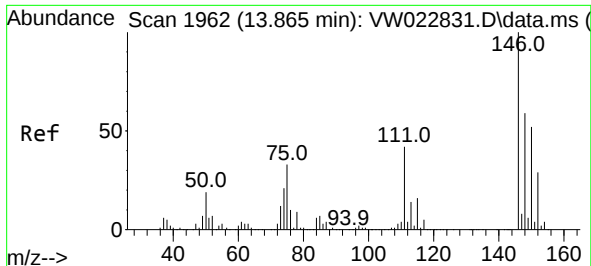
Tgt Ion:146 Resp: 255253
Ion Ratio Lower Upper
146 100
111 40.1 29.5 54.9
148 64.5 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 21.311 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion:146 Resp: 255133
Ion Ratio Lower Upper
146 100
111 39.1 27.2 50.4
148 66.2 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 22.873 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

Instrument :

MSVOA_W

ClientSampleId :

EXL30MSD

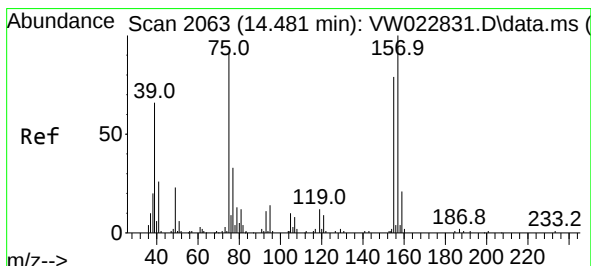
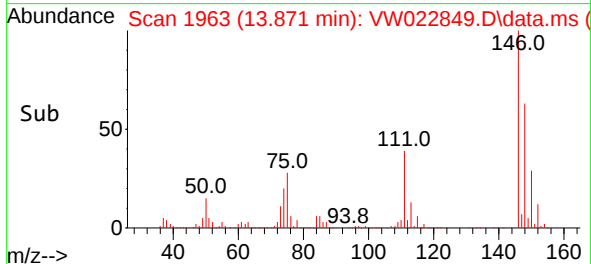
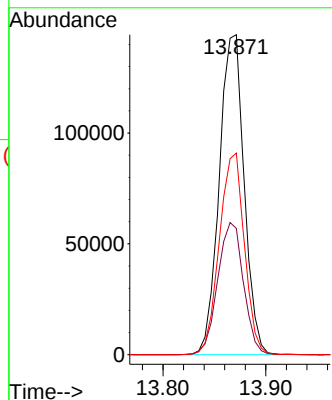
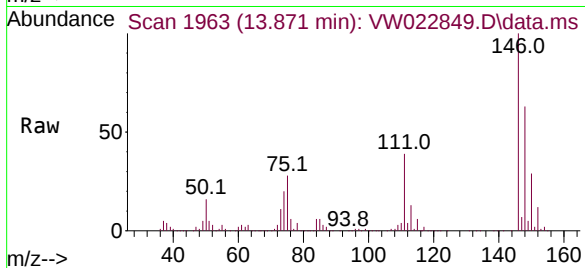
Tgt Ion:146 Resp: 242600

Ion Ratio Lower Upper

146 100

111 39.4 35.7 53.5

148 63.0 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.073 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW022849.D

Acq: 05 May 2022 18:02

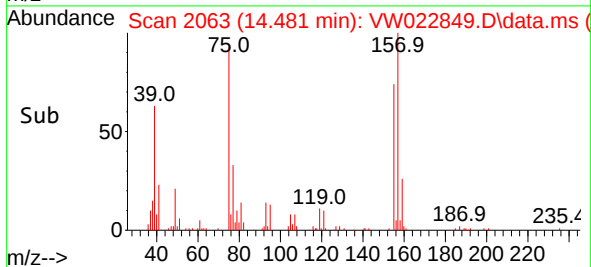
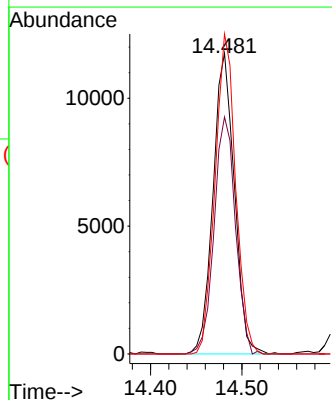
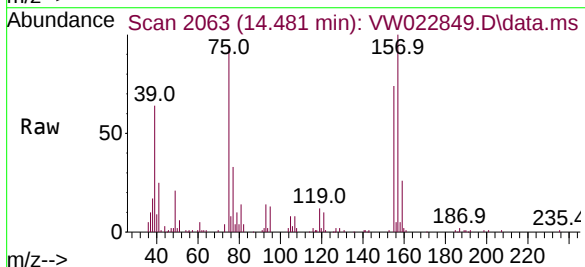
Tgt Ion: 75 Resp: 19093

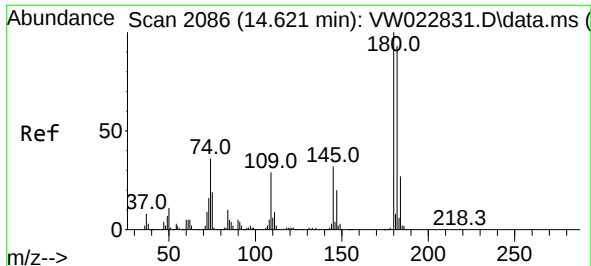
Ion Ratio Lower Upper

75 100

155 78.8 59.3 88.9

157 106.4 89.8 134.8

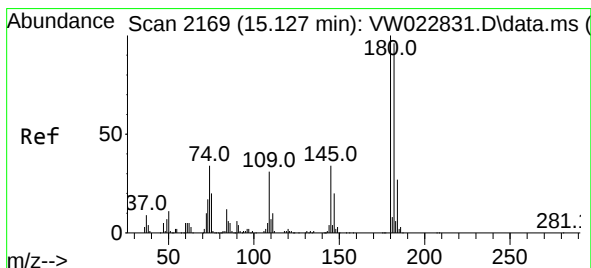
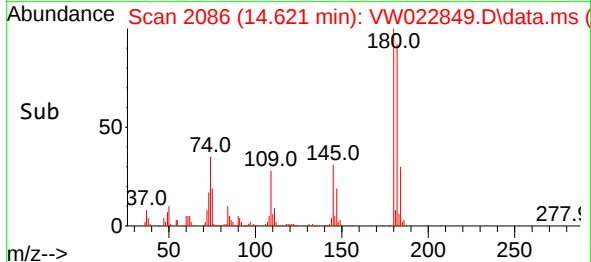
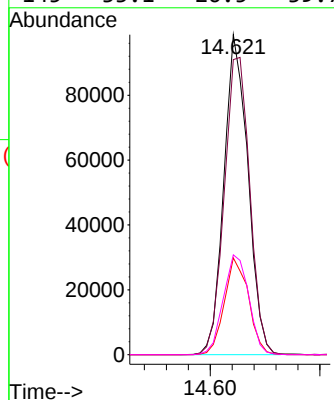
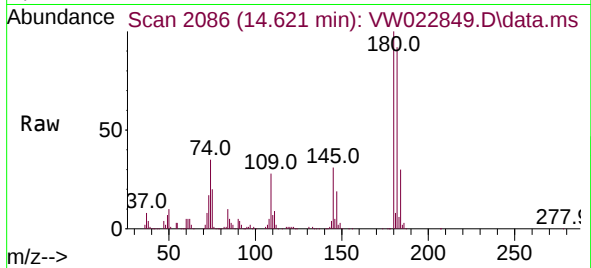




#69
1,3,5-Trichlorobenzene
Concen: 19.534 ug/L
RT: 14.621 min Scan# 2086
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

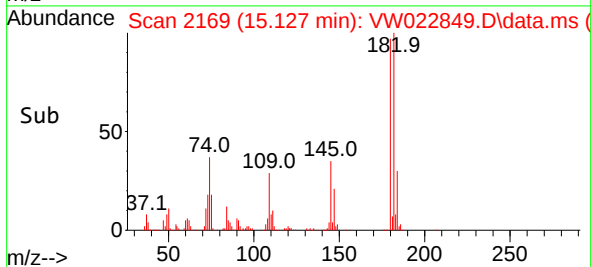
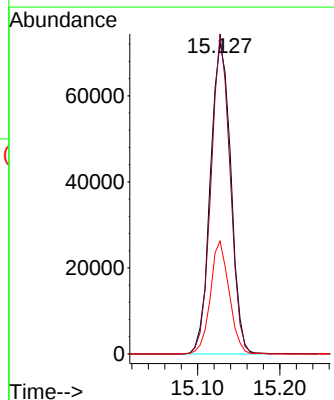
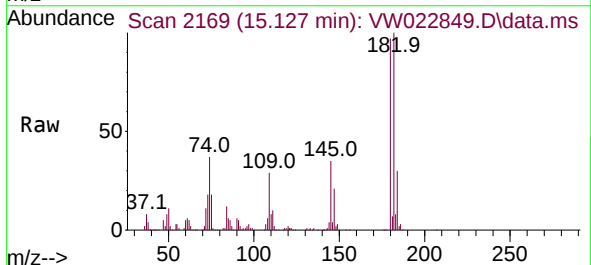
Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

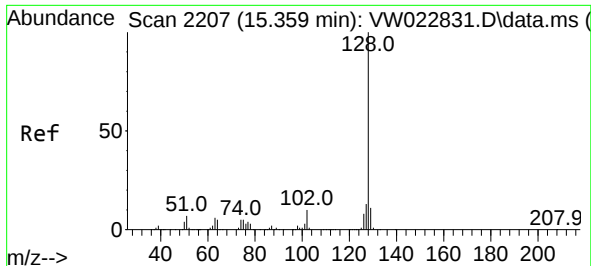
Tgt Ion:	180	Resp:	150290
Ion Ratio	Lower	Upper	
180	100		
182	98.7	74.8	112.2
184	30.5	23.4	35.2
145	33.1	26.5	39.7



#70
1,2,4-trichlorobenzene
Concen: 20.240 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion:	180	Resp:	125264
Ion Ratio	Lower	Upper	
180	100		
182	95.6	74.9	112.3
145	33.3	26.6	39.8

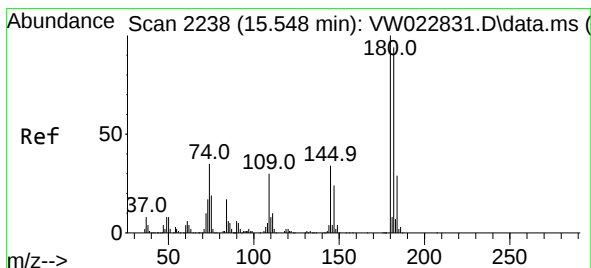
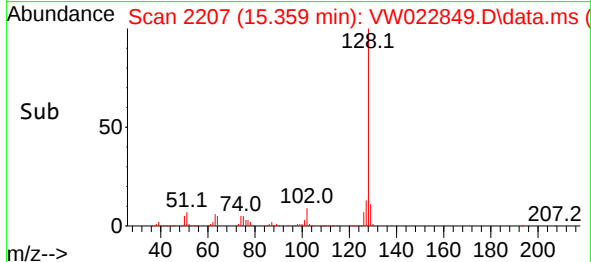
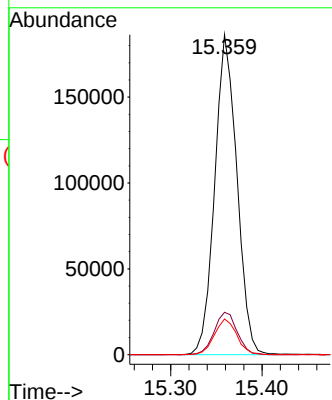
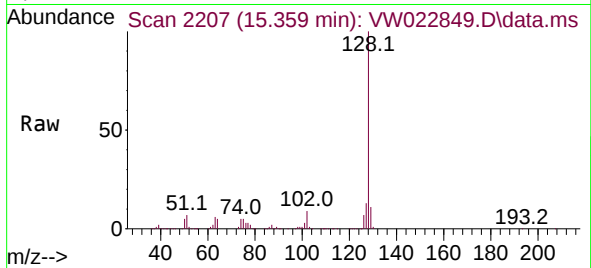




#71
Naphthalene
Concen: 23.330 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Instrument :
MSVOA_W
ClientSampleId :
EXL30MSD

Tgt Ion:128 Resp: 313828
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 11.3 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 19.886 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. 0.006 min
Lab File: VW022849.D
Acq: 05 May 2022 18:02

Tgt Ion:180 Resp: 109078
Ion Ratio Lower Upper
180 100
182 95.2 73.5 110.3
145 35.4 27.9 41.9

