

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
 Data File : VW024362.D
 Acq On : 26 Aug 2022 20:19
 Operator : SY/VA
 Sample : N4345-12MSD
 Misc : 5.12g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 27 00:44:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 27 00:35:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	193738	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	214235	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	135103	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	177173	33.175	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 132.720%	
7) Chloroethane-d5	2.873	69	124731	31.172	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 124.680%	
11) 1,1-Dichloroethene-d2	4.013	63	114850	24.796	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 99.200%	
21) 2-Butanone-d5	7.080	46	55585	56.508	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 113.020%	
24) Chloroform-d	7.647	84	162931	26.159	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 104.640%	
26) 1,2-Dichloroethane-d4	8.305	65	102144	27.042	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 108.160%	
32) Benzene-d6	8.275	84	293624	23.921	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 95.680%	
36) 1,2-Dichloropropane-d6	9.274	67	93294	24.439	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 97.760%	
41) Toluene-d8	10.323	98	289415	24.799	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 99.200%	
43) trans-1,3-Dichloroprop...	10.573	79	45126	25.261	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 101.040%	
47) 2-Hexanone-d5	10.927	63	50338	58.926	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 117.860%	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	129460	29.954	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 119.800%	
66) 1,2-Dichlorobenzene-d4	13.853	152	135538	26.641	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 106.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.001	85	49227	25.369	ug/L	100
3) Chloromethane	2.215	50	86896	23.969	ug/L	97
5) Vinyl chloride	2.349	62	180330	28.454	ug/L	99
6) Bromomethane	2.763	94	106840	24.017	ug/L	99
8) Chloroethane	2.910	64	85901	25.947	ug/L	100
9) Trichlorofluoromethane	3.239	101	56317	18.897	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.050	101	59611	20.854	ug/L	97
12) 1,1-Dichloroethene	4.031	96	52159	22.539	ug/L	90
13) Acetone	4.129	43	26203	44.637	ug/L	74
14) Carbon disulfide	4.373	76	165292	21.492	ug/L	98
15) Methyl Acetate	4.672	43	31541	21.963	ug/L	94
16) Methylene chloride	4.915	84	66898	20.589	ug/L	92
17) trans-1,2-Dichloroethene	5.421	96	59150	21.594	ug/L	98
18) Methyl tert-butyl Ether	5.434	73	102492	22.852	ug/L	97
19) 1,1-Dichloroethane	6.208	63	110313	21.298	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	72503	24.070	ug/L	92
22) 2-Butanone	7.171	43	46747	44.634	ug/L	97
23) Bromochloromethane	7.513	128	31854	21.657	ug/L	94
25) Chloroform	7.671	83	123848	21.551	ug/L	94

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 QLast Update : Sat Aug 27 00:35:21 2022
 Response via : Initial Calibration

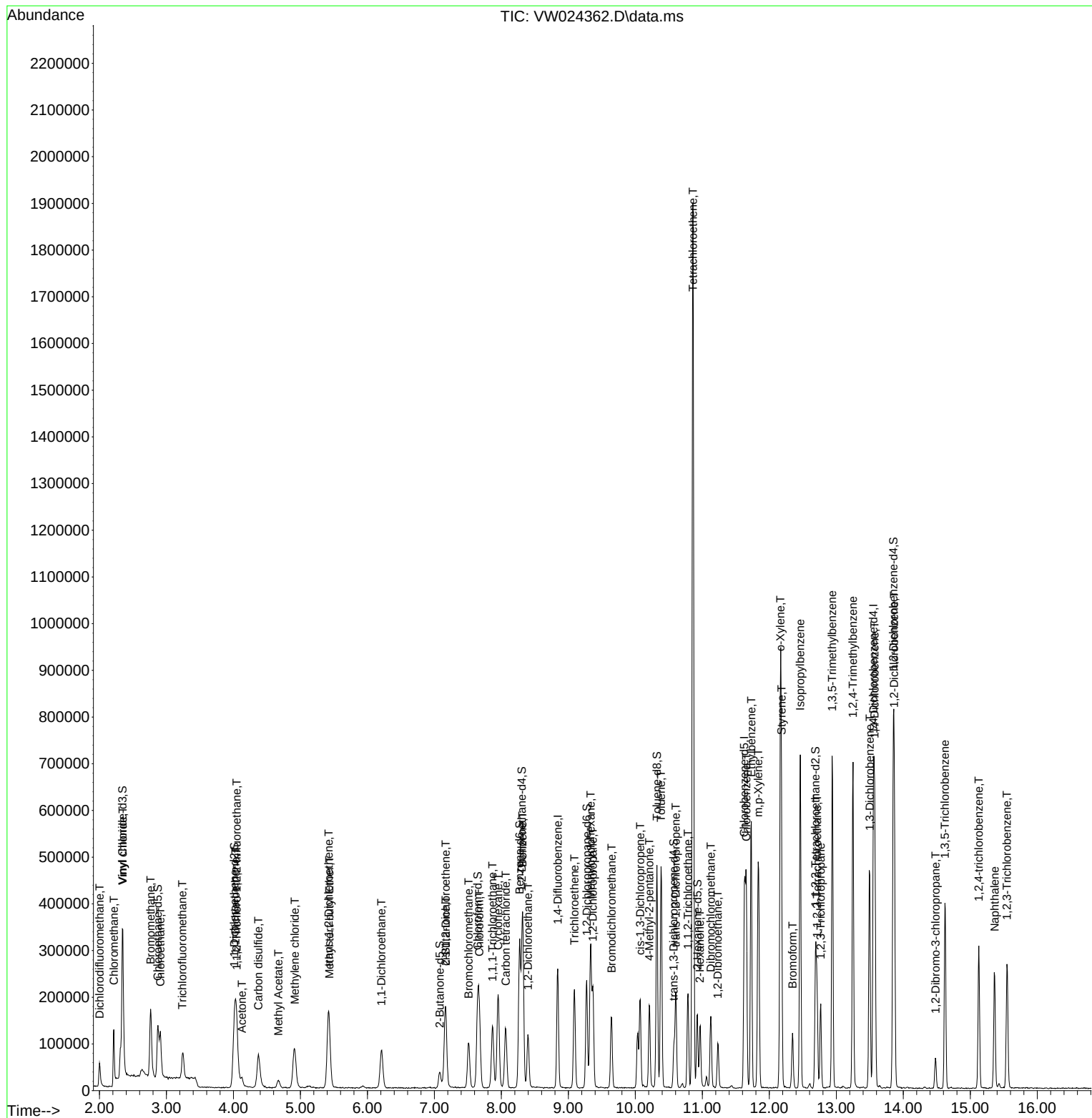
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	95522	22.835	ug/L	99
29) Cyclohexane	7.951	56	94854	20.537	ug/L	99
30) 1,1,1-Trichloroethane	7.866	97	96710	19.147	ug/L	99
31) Carbon tetrachloride	8.067	117	85113	18.420	ug/L	98
33) Benzene	8.317	78	277621	20.814	ug/L	100
34) Trichloroethene	9.091	95	67100	19.087	ug/L	97
35) Methylcyclohexane	9.335	83	111568	19.780	ug/L	100
37) 1,2-Dichloropropane	9.366	63	69028	20.053	ug/L	98
38) Bromodichloromethane	9.646	83	93904	20.032	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	96919	20.142	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	111514	45.559	ug/L	98
42) Toluene	10.384	91	325841	22.136	ug/L	96
44) trans-1,3-Dichloropropene	10.603	75	97294	20.809	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	56379	20.085	ug/L	95
46) Tetrachloroethene	10.859	164	344009	125.998	ug/L	96
48) 2-Hexanone	10.963	43	85173	47.175	ug/L	98
49) Dibromochloromethane	11.128	129	71274	21.468	ug/L	100
50) 1,2-Dibromoethane	11.231	107	57758	21.403	ug/L	94
51) Chlorobenzene	11.658	112	213569	21.616	ug/L	96
52) Ethylbenzene	11.731	91	377227	23.179	ug/L	97
53) m,p-Xylene	11.835	106	154727	24.209	ug/L	93
54) o-Xylene	12.164	106	147381	24.667	ug/L	99
55) Styrene	12.182	104	275721	26.107	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.713	83	91307	23.304	ug/L	96
59) Bromoform	12.347	173	44934	20.725	ug/L	97
60) Isopropylbenzene	12.463	105	418528	23.324	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	65146	21.323	ug/L	95
62) 1,3,5-Trimethylbenzene	12.938	105	334983	23.152	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	343916	24.471	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	172226	20.074	ug/L	98
65) 1,4-Dichlorobenzene	13.572	146	186058	20.541	ug/L	89
67) 1,2-Dichlorobenzene	13.865	146	180820	22.484	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.481	75	15427	20.098	ug/L	93
69) 1,3,5-Trichlorobenzene	14.621	180	106409	19.216	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	80084	18.604	ug/L	98
71) Naphthalene	15.365	128	193459	20.463	ug/L	98
72) 1,2,3-Trichlorobenzene	15.548	180	77828	19.130	ug/L	100

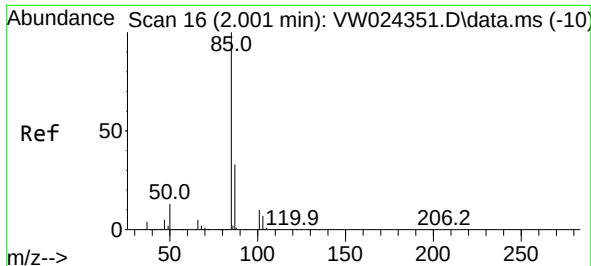
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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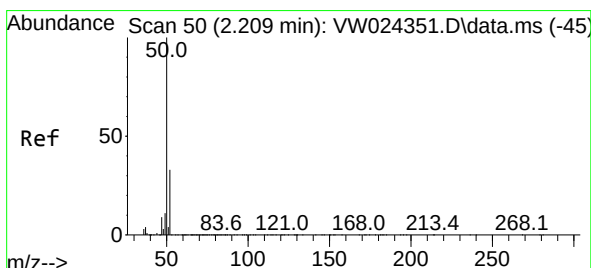
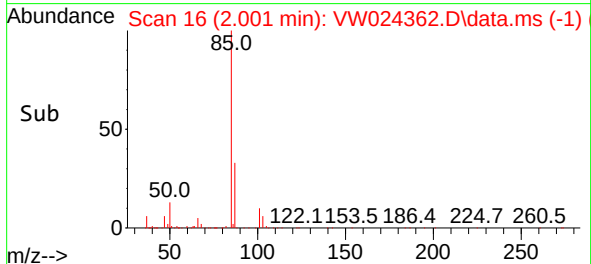
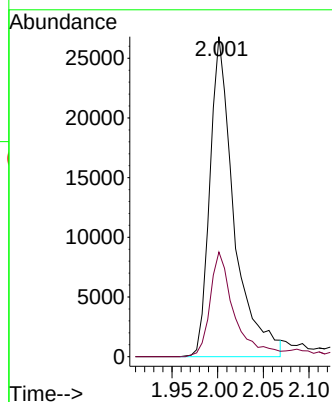
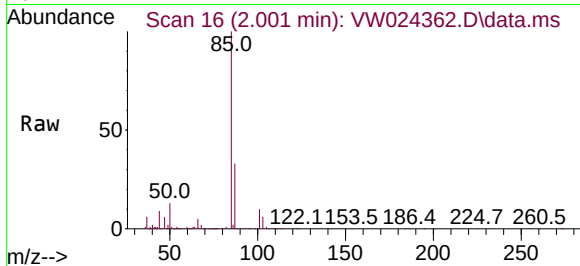




#2
 Dichlorodifluoromethane
 Concen: 25.369 ug/L
 RT: 2.001 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VW024362.D
 Acq: 26 Aug 2022 20:19

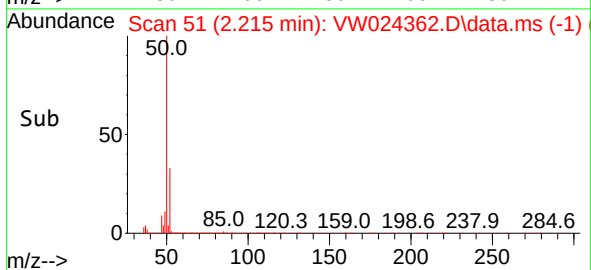
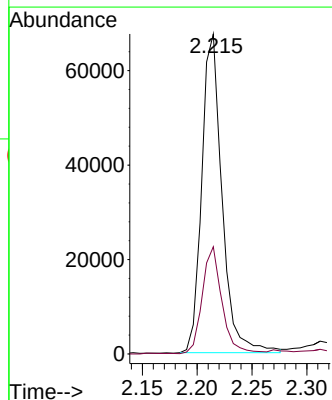
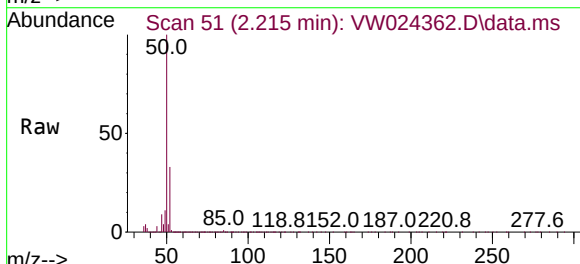
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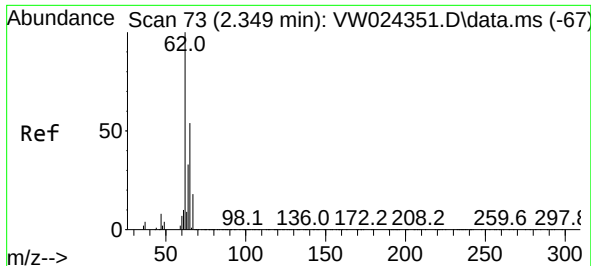
Tgt Ion: 85 Resp: 49227
 Ion Ratio Lower Upper
 85 100
 87 30.7 24.7 37.1



#3
 Chloromethane
 Concen: 23.969 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VW024362.D
 Acq: 26 Aug 2022 20:19

Tgt Ion: 50 Resp: 86896
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.3 41.5

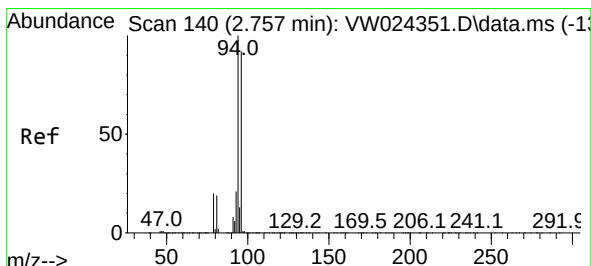
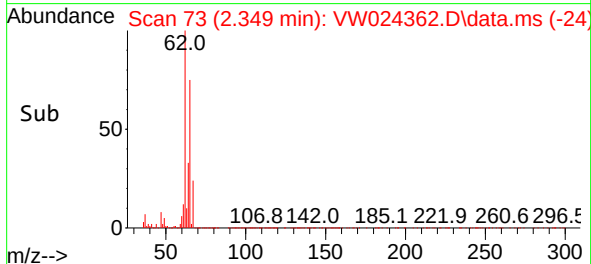
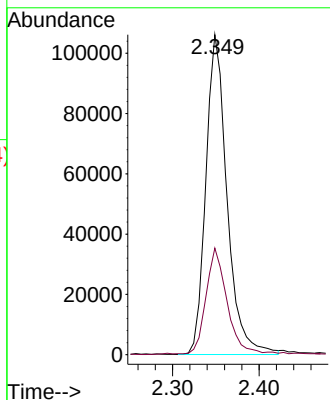
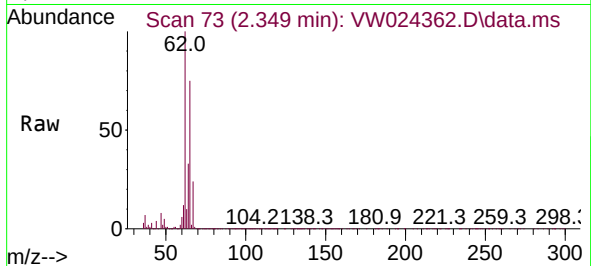




#5
 Vinyl chloride
 Concen: 28.454 ug/L
 RT: 2.349 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW024362.D
 Acq: 26 Aug 2022 20:19

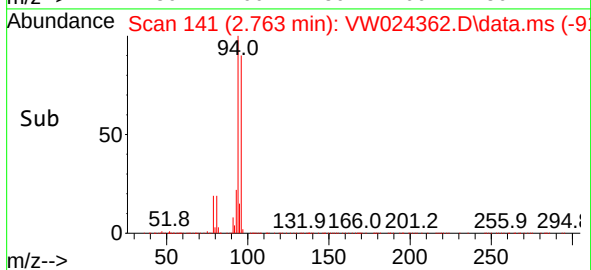
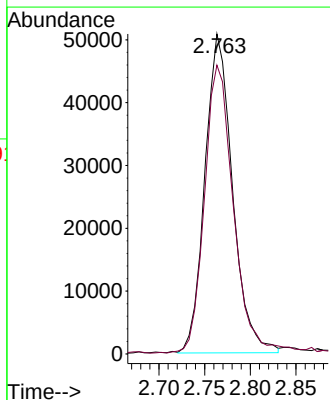
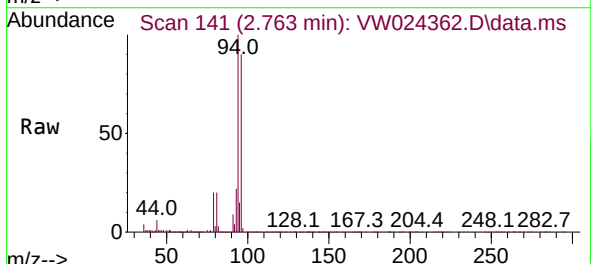
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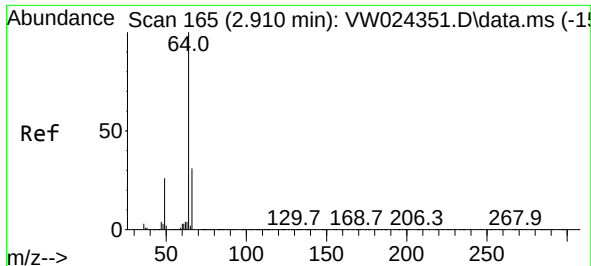
Tgt Ion: 62 Resp: 180330
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.6 43.8



#6
 Bromomethane
 Concen: 24.017 ug/L
 RT: 2.763 min Scan# 141
 Delta R.T. 0.006 min
 Lab File: VW024362.D
 Acq: 26 Aug 2022 20:19

Tgt Ion: 94 Resp: 106840
 Ion Ratio Lower Upper
 94 100
 96 90.3 63.6 118.0

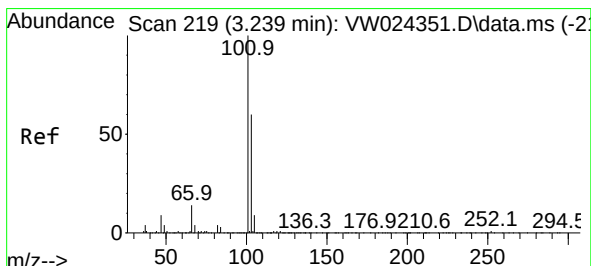
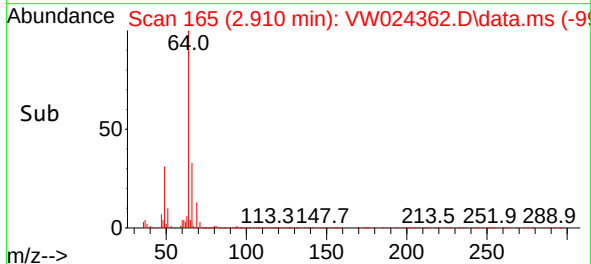
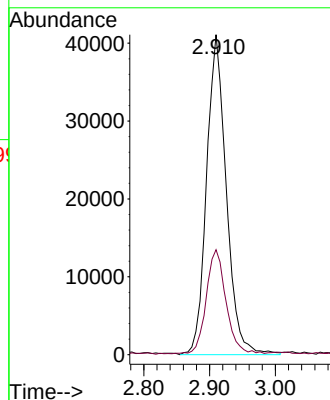
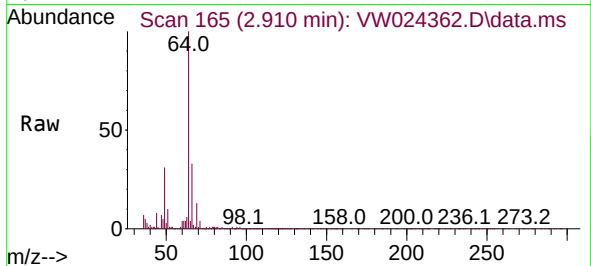




#8
Chloroethane
Concen: 25.947 ug/L
RT: 2.910 min Scan# 165
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

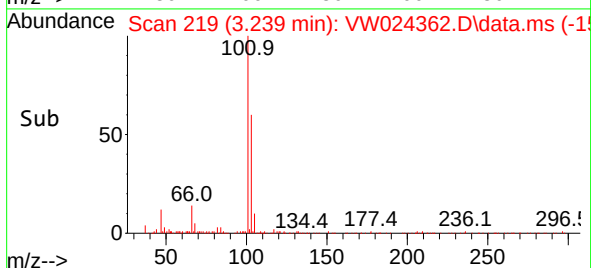
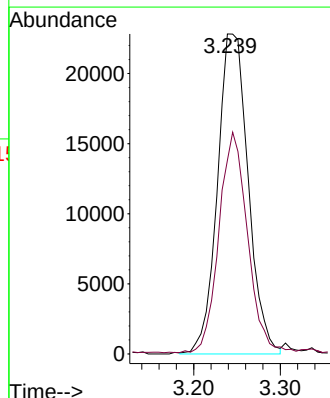
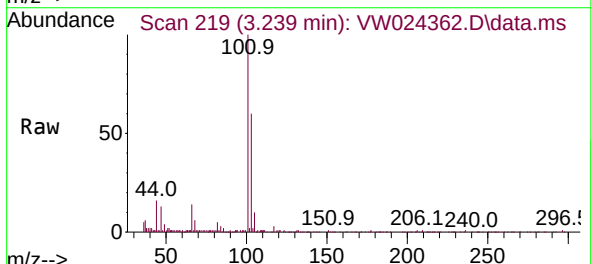
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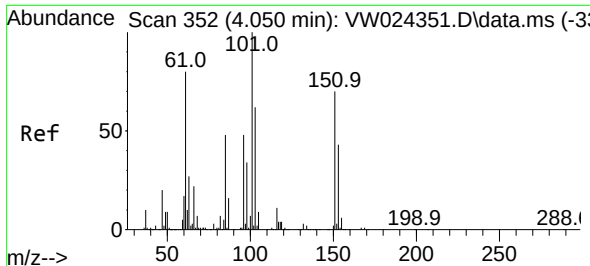
Tgt Ion: 64 Resp: 85901
Ion Ratio Lower Upper
64 100
66 32.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 18.897 ug/L
RT: 3.239 min Scan# 219
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

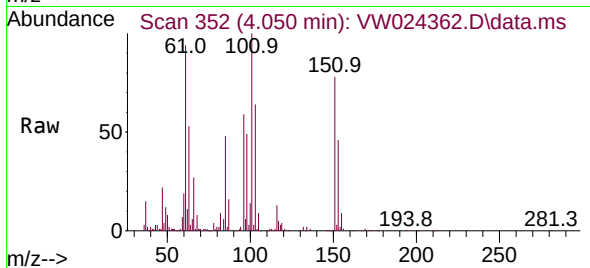
Tgt Ion: 101 Resp: 56317
Ion Ratio Lower Upper
101 100
103 65.0 50.4 75.6



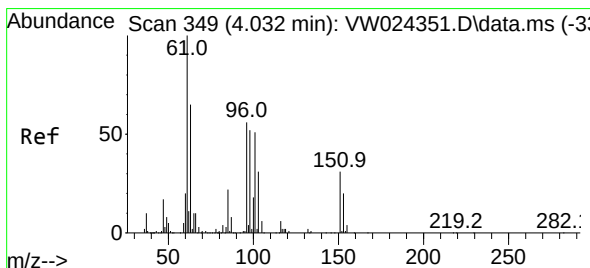
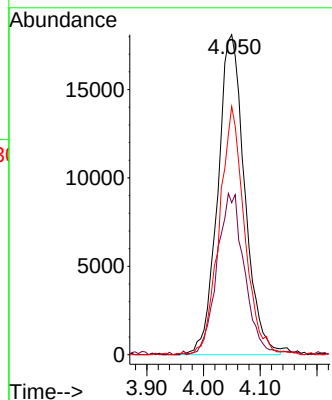
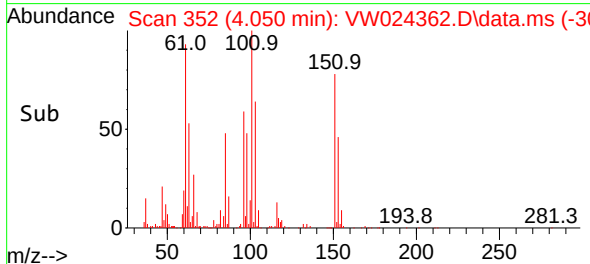


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.854 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. -0.000 min
 Lab File: VW024362.D
 Acq: 26 Aug 2022 20:19

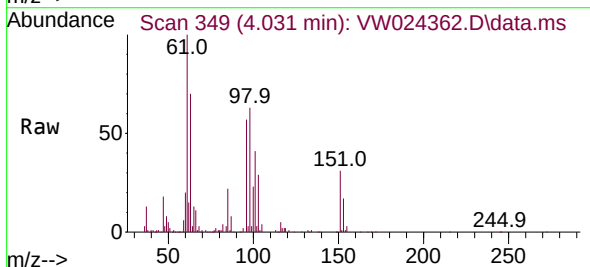
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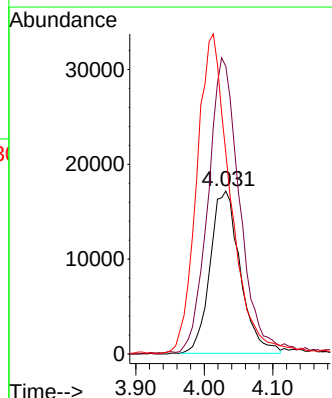
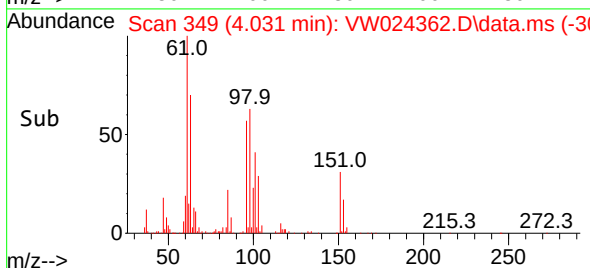
Tgt Ion: 101 Resp: 59611
 Ion Ratio Lower Upper
 101 100
 85 51.3 39.1 58.7
 151 72.7 56.8 85.2

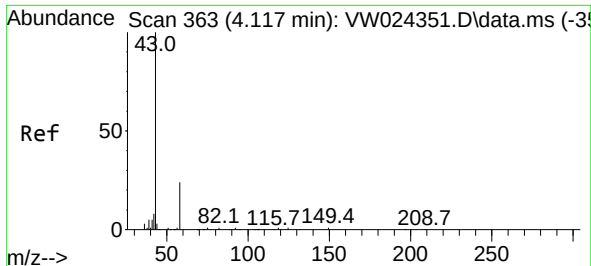


#12
 1,1-Dichloroethene
 Concen: 22.539 ug/L
 RT: 4.031 min Scan# 349
 Delta R.T. -0.000 min
 Lab File: VW024362.D
 Acq: 26 Aug 2022 20:19



Tgt Ion: 96 Resp: 52159
 Ion Ratio Lower Upper
 96 100
 61 176.7 118.8 220.6
 63 123.6 72.8 135.2

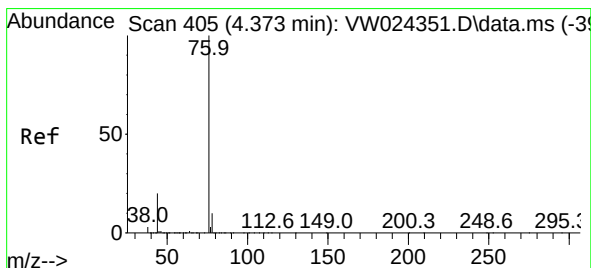
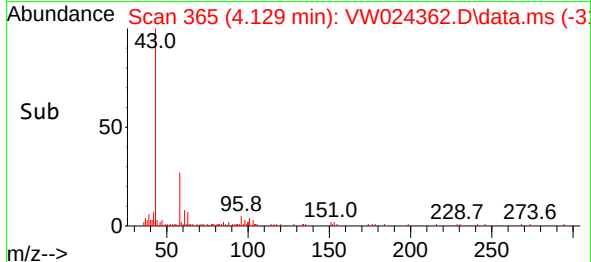
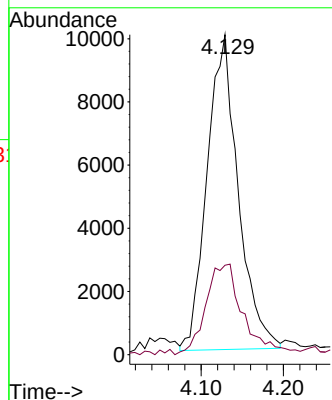
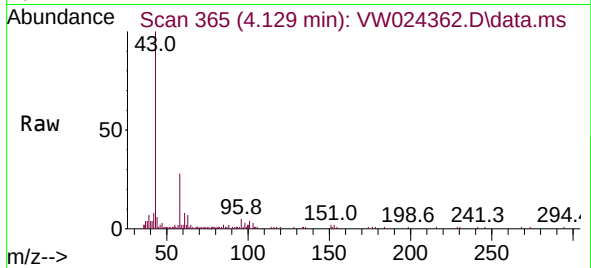




#13
Acetone
Concen: 44.637 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

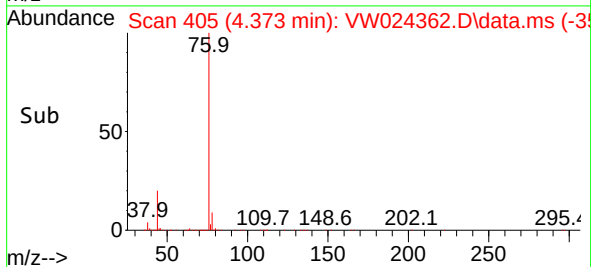
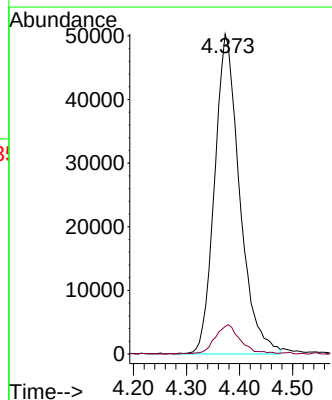
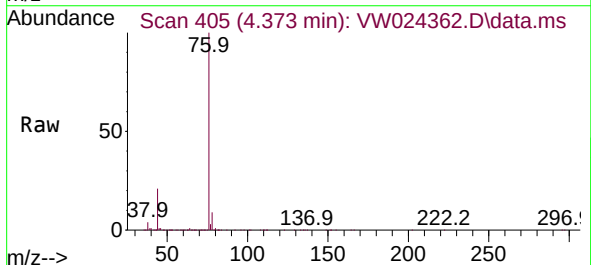
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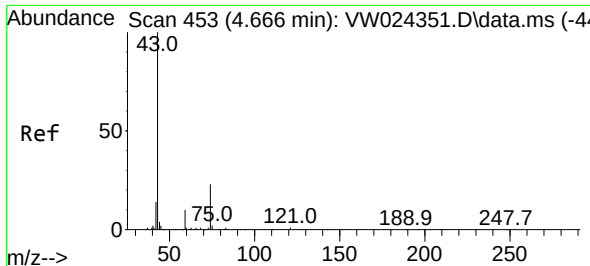
Tgt Ion: 43 Resp: 26203
Ion Ratio Lower Upper
43 100
58 15.3 0.0 58.4



#14
Carbon disulfide
Concen: 21.492 ug/L
RT: 4.373 min Scan# 405
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 165292
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2

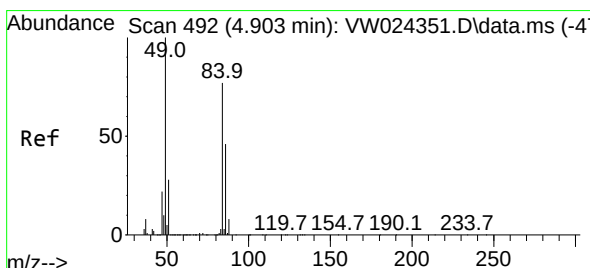
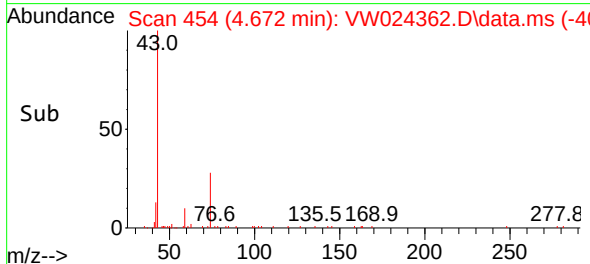
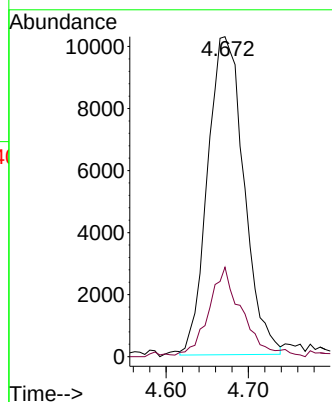
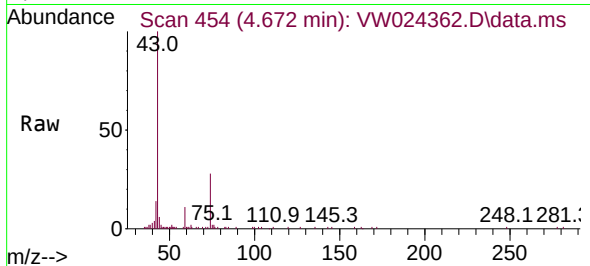




#15
Methyl Acetate
Concen: 21.963 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

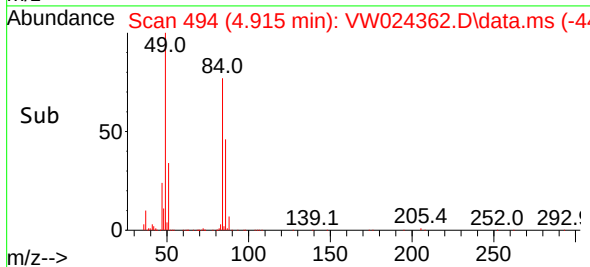
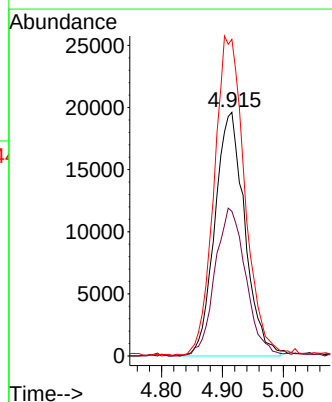
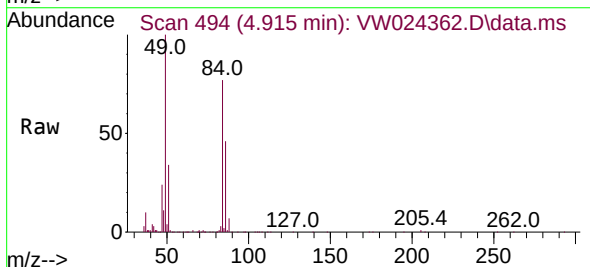
Instrument :
MSVOA_W
ClientSampleId :

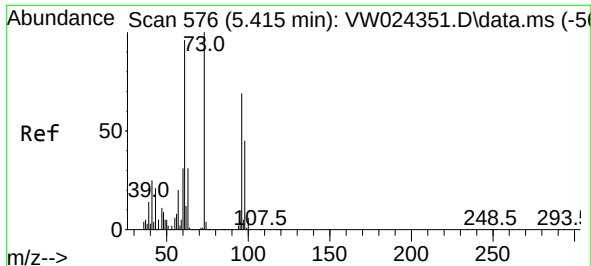
Tgt Ion: 43 Resp: 31541
Ion Ratio Lower Upper
43 100
74 25.2 17.9 26.9



#16
Methylene chloride
Concen: 20.589 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.012 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 84 Resp: 66898
Ion Ratio Lower Upper
84 100
86 59.4 47.7 88.7
49 129.9 96.6 179.4

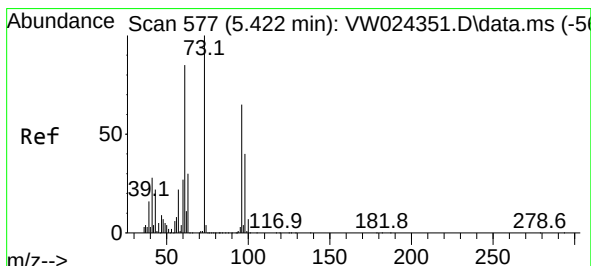
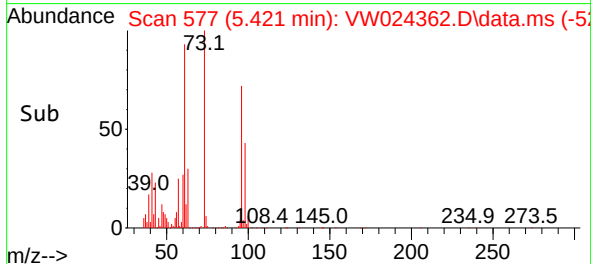
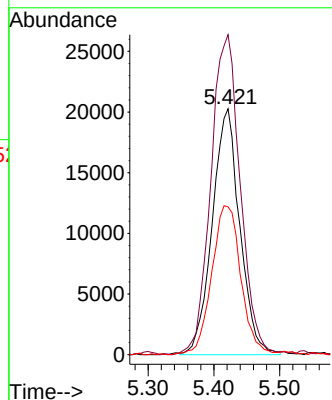
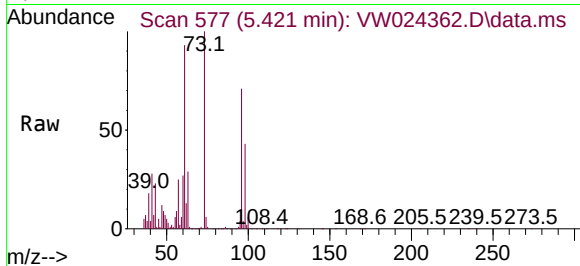




#17
trans-1,2-Dichloroethene
Concen: 21.594 ug/L
RT: 5.421 min Scan# 519
Delta R.T. 0.006 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

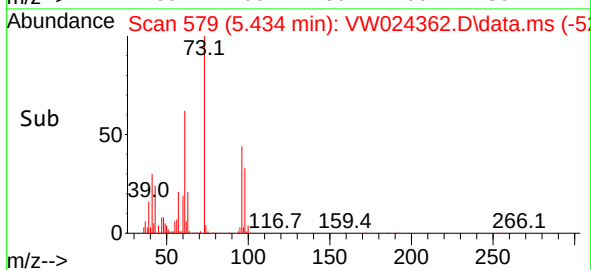
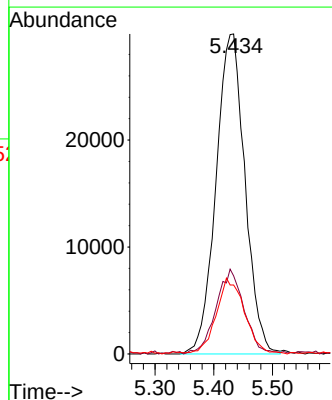
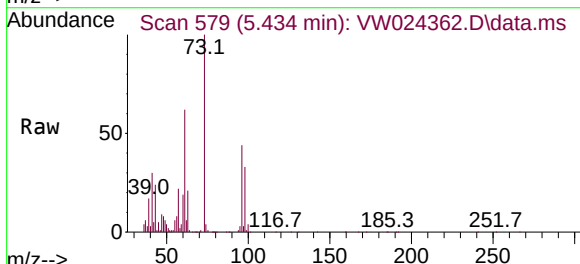
Instrument :
MSVOA_W
ClientSampleId :

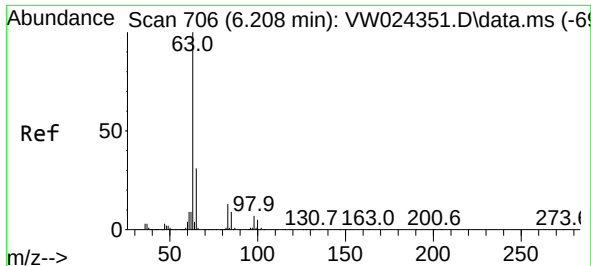
Tgt Ion: 96 Resp: 59150
Ion Ratio Lower Upper
96 100
61 130.2 92.1 171.1
98 60.2 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 22.852 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.012 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 73 Resp: 102492
Ion Ratio Lower Upper
73 100
43 25.6 18.8 28.2
57 22.0 18.1 27.1





#19

1,1-Dichloroethane

Concen: 21.298 ug/L

RT: 6.208 min Scan# 706

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

ClientSampleId :

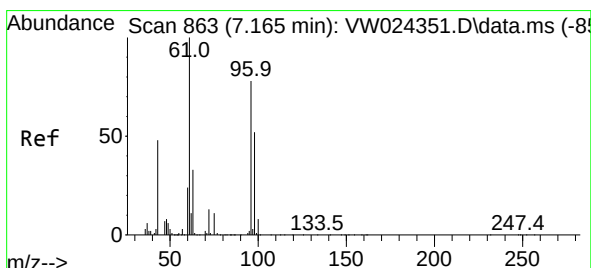
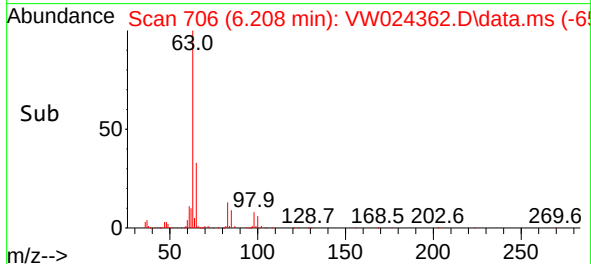
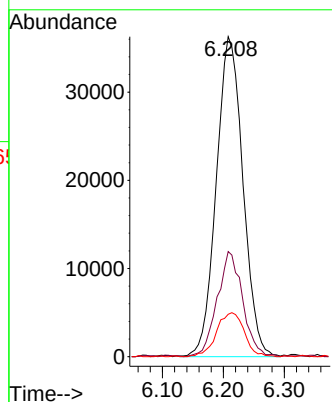
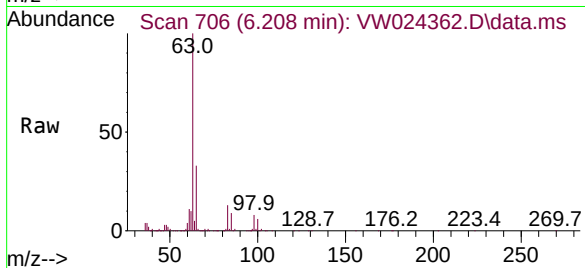
Tgt Ion: 63 Resp: 110313

Ion Ratio Lower Upper

63 100

65 32.8 23.6 43.8

83 13.2 10.4 19.4



#20

cis-1,2-Dichloroethene

Concen: 24.070 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

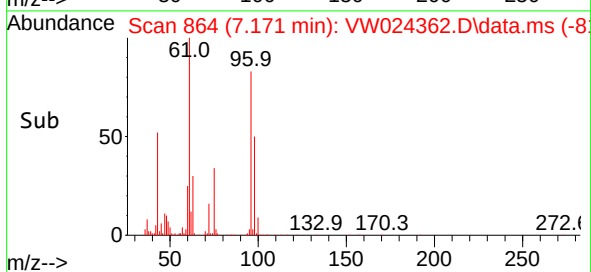
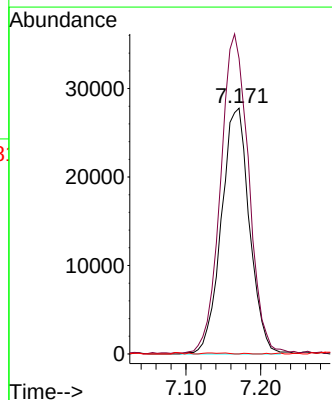
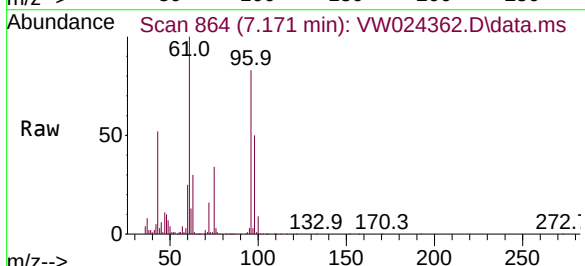
Tgt Ion: 96 Resp: 72503

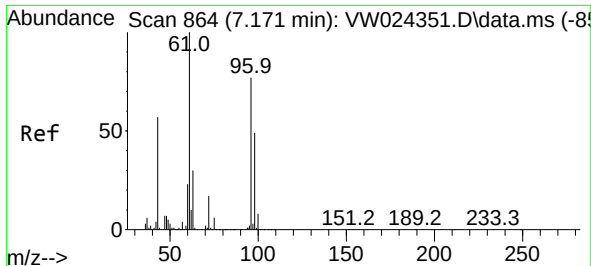
Ion Ratio Lower Upper

96 100

61 120.2 90.2 167.6

68 0.0 0.0 0.0

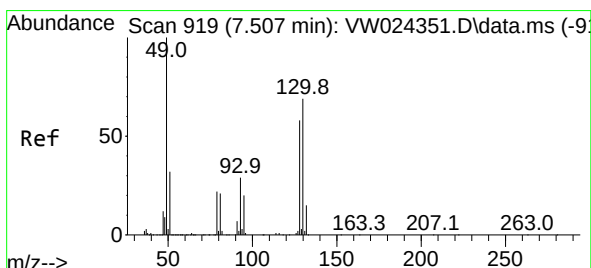
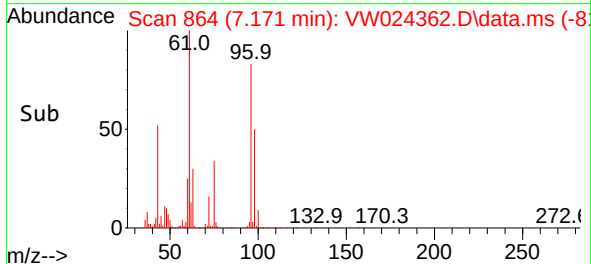
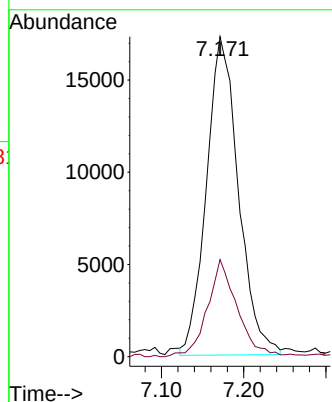
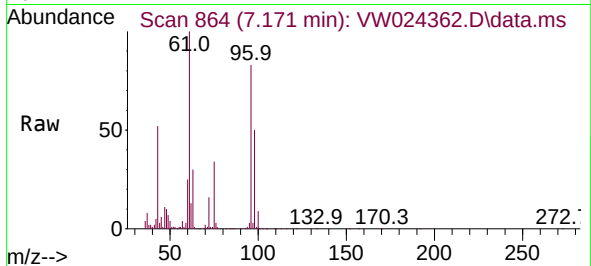




#22
2-Butanone
Concen: 44.634 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

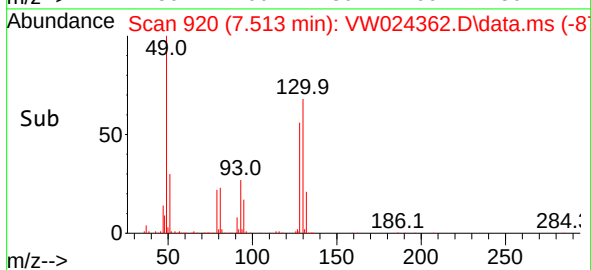
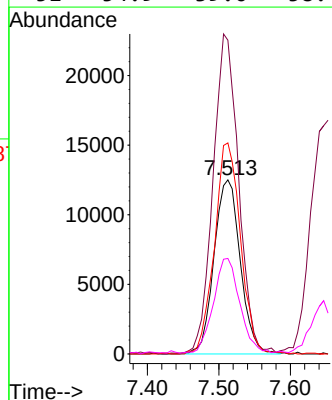
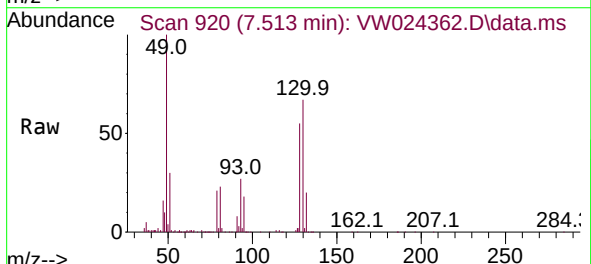
Instrument :
MSVOA_W
ClientSampleId :

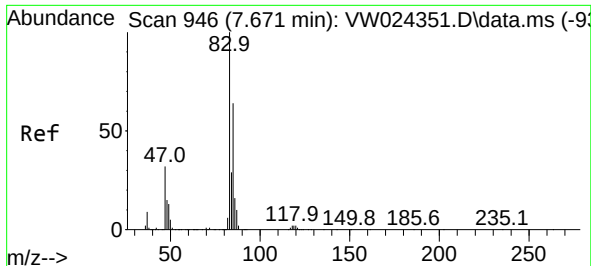
Tgt Ion: 43 Resp: 46747
Ion Ratio Lower Upper
43 100
72 26.3 13.9 41.6



#23
Bromochloromethane
Concen: 21.657 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.006 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 128 Resp: 31854
Ion Ratio Lower Upper
128 100
49 180.3 122.1 226.7
130 121.3 91.1 169.1
51 54.9 39.0 58.4

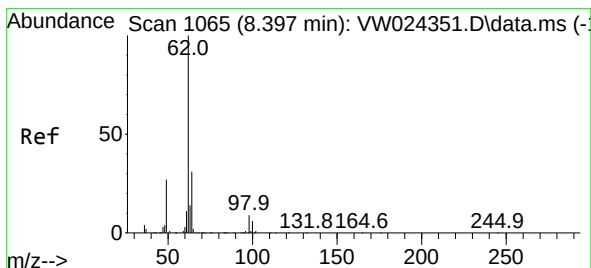
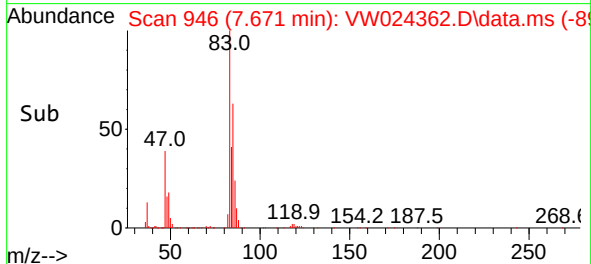
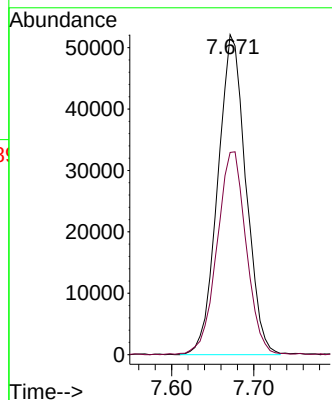
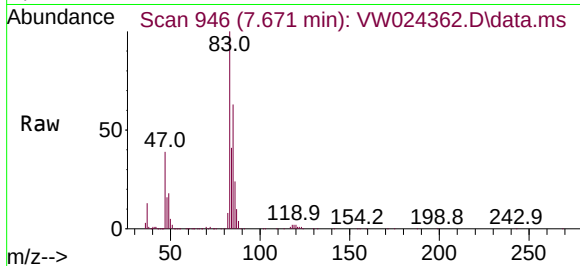




#25
Chloroform
Concen: 21.551 ug/L
RT: 7.671 min Scan# 946
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

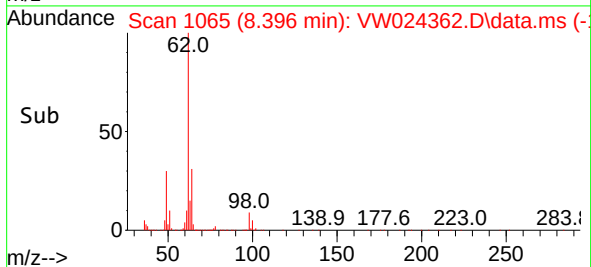
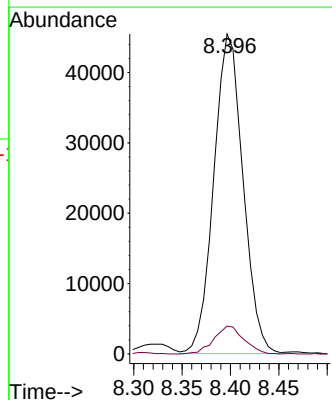
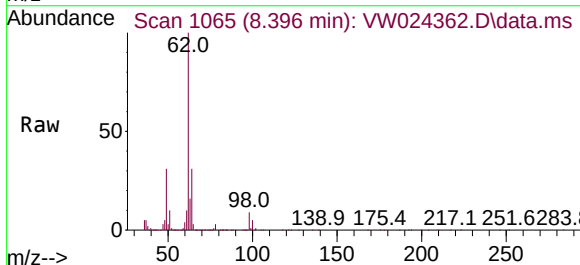
Instrument :
MSVOA_W
ClientSampleId :

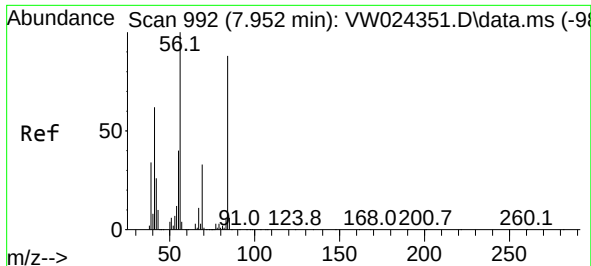
Tgt Ion: 83 Resp: 123848
Ion Ratio Lower Upper
83 100
85 63.2 47.5 88.1



#27
1,2-Dichloroethane
Concen: 22.835 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 62 Resp: 95522
Ion Ratio Lower Upper
62 100
98 8.7 6.7 10.1





#29

Cyclohexane

Concen: 20.537 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.000 min

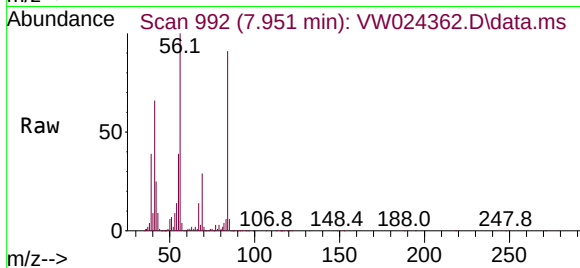
Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

ClientSampleId :



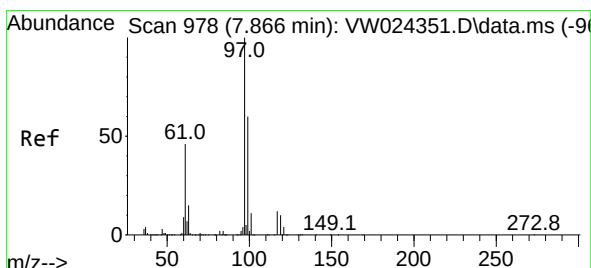
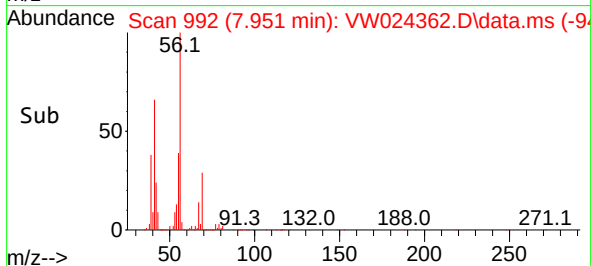
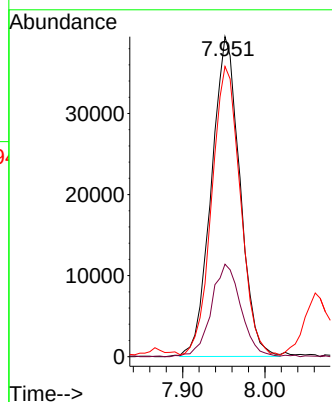
Tgt Ion: 56 Resp: 94854

Ion Ratio Lower Upper

56 100

69 30.0 23.5 35.3

84 91.3 72.2 108.4



#30

1,1,1-Trichloroethane

Concen: 19.147 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

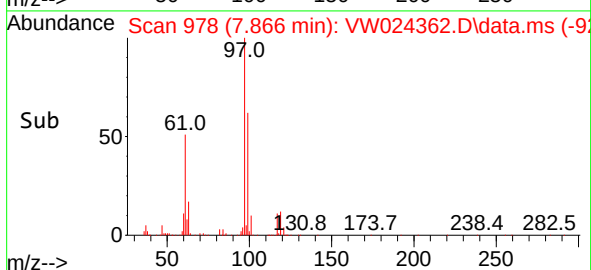
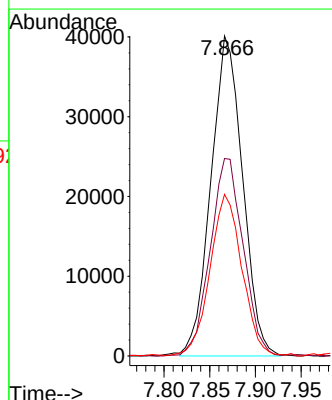
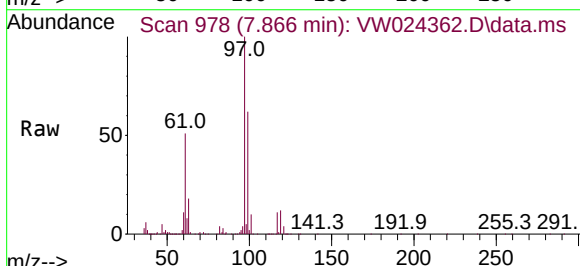
Tgt Ion: 97 Resp: 96710

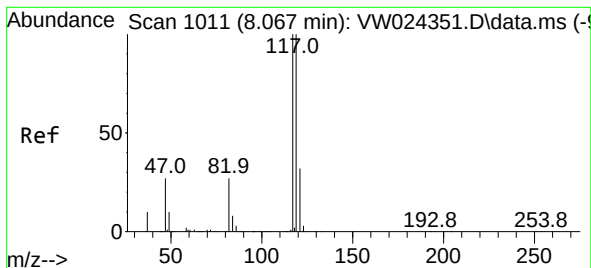
Ion Ratio Lower Upper

97 100

99 64.0 50.2 75.2

61 50.8 40.2 60.4





#31

Carbon tetrachloride

Concen: 18.420 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

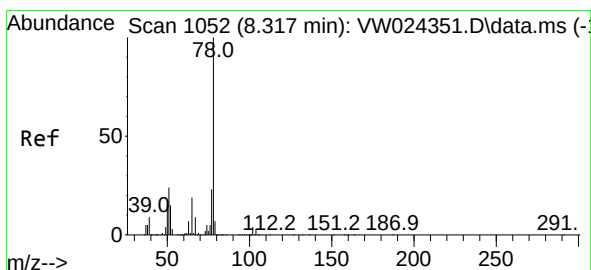
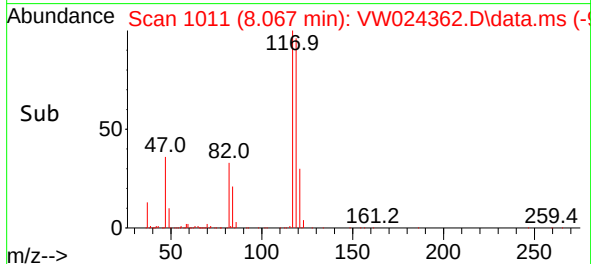
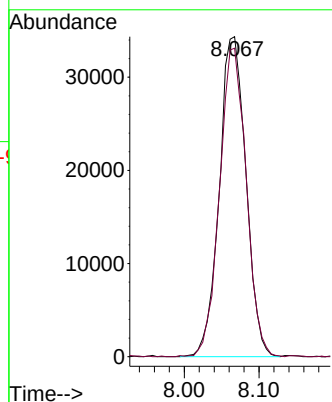
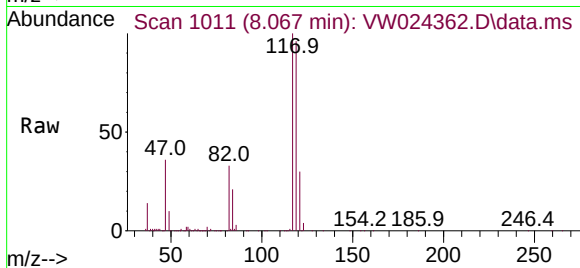
ClientSampleId :

Tgt Ion:117 Resp: 85113

Ion Ratio Lower Upper

117 100

119 96.6 75.9 113.9



#33

Benzene

Concen: 20.814 ug/L

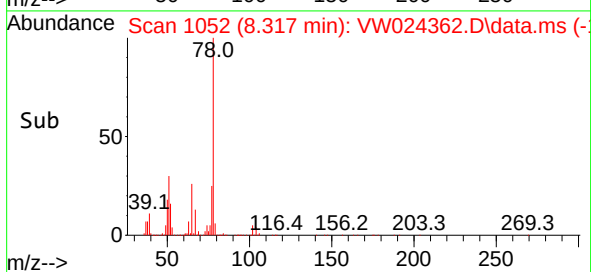
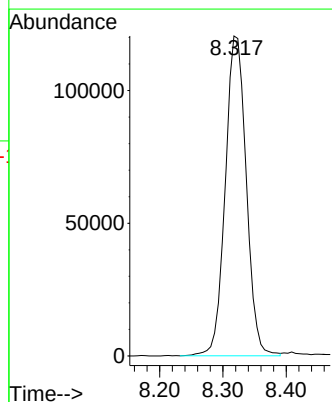
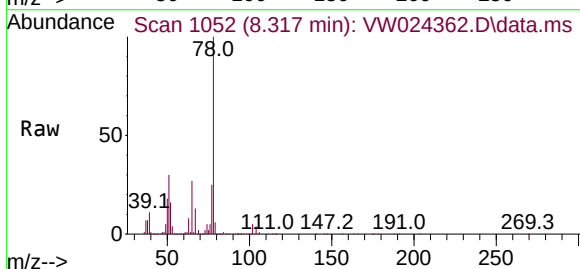
RT: 8.317 min Scan# 1052

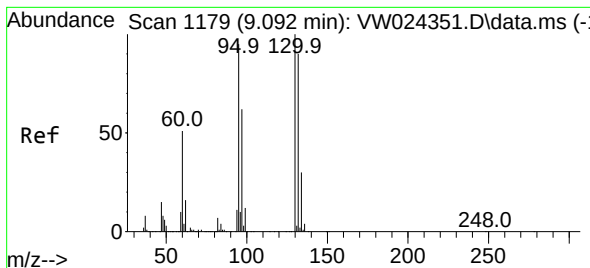
Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Tgt Ion: 78 Resp: 277621





#34

Trichloroethene

Concen: 19.087 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

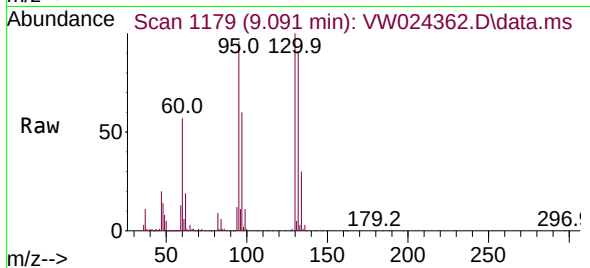
Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 67100

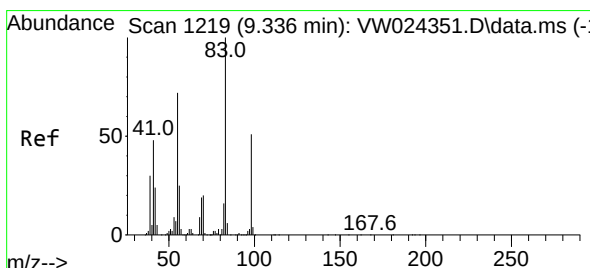
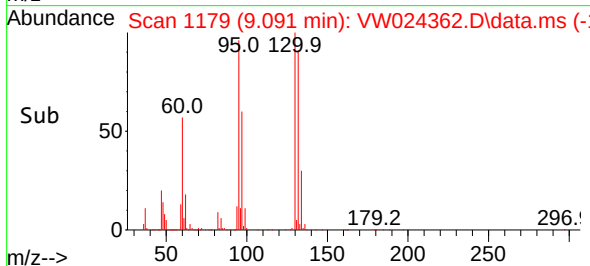
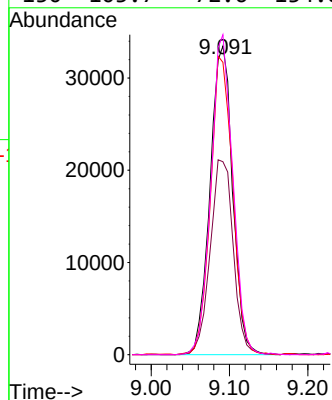
Ion Ratio Lower Upper

95 100

97 62.6 48.4 89.8

132 94.7 68.6 127.4

130 103.7 72.6 134.8



#35

Methylcyclohexane

Concen: 19.780 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

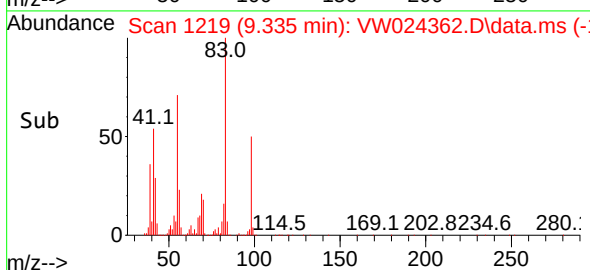
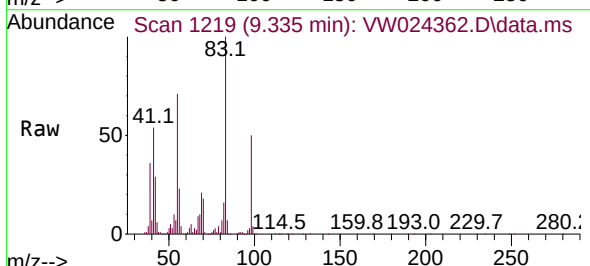
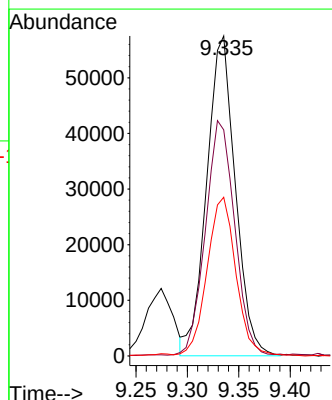
Tgt Ion: 83 Resp: 111568

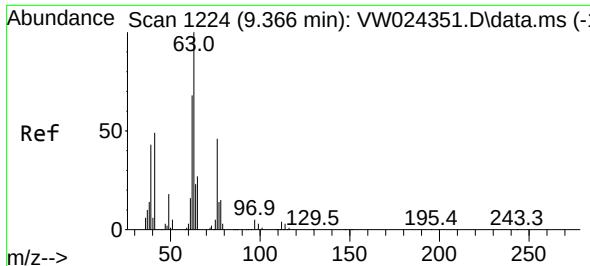
Ion Ratio Lower Upper

83 100

55 75.2 60.1 90.1

98 50.1 40.5 60.7





#37

1,2-Dichloropropane

Concen: 20.053 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

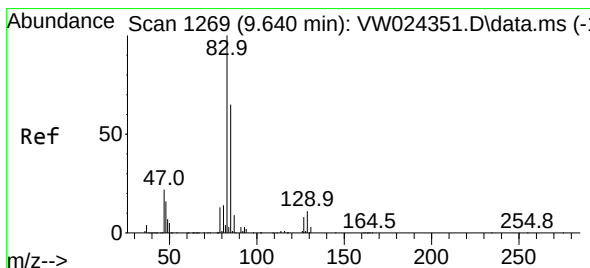
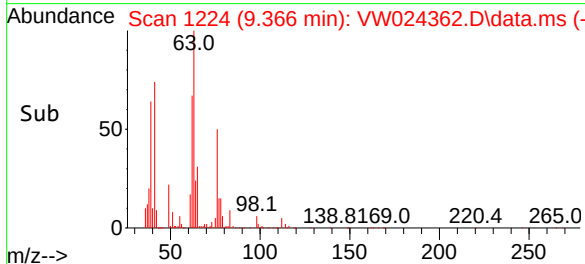
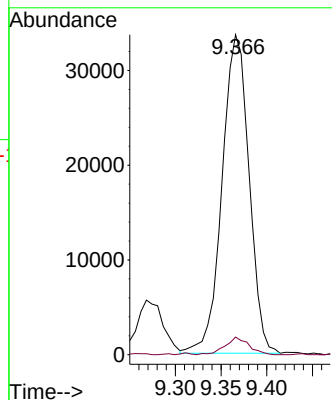
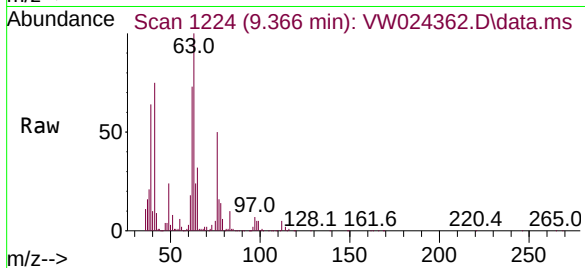
ClientSampleId :

Tgt Ion: 63 Resp: 69028

Ion Ratio Lower Upper

63 100

112 4.7 3.4 5.0



#38

Bromodichloromethane

Concen: 20.032 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

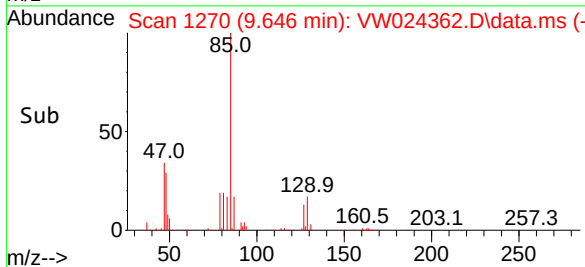
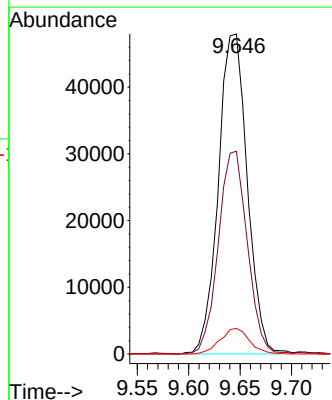
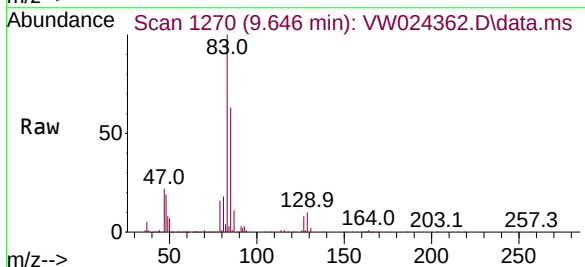
Tgt Ion: 83 Resp: 93904

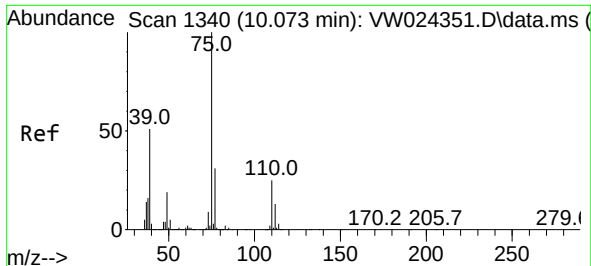
Ion Ratio Lower Upper

83 100

85 63.4 46.3 85.9

127 8.0 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 20.142 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

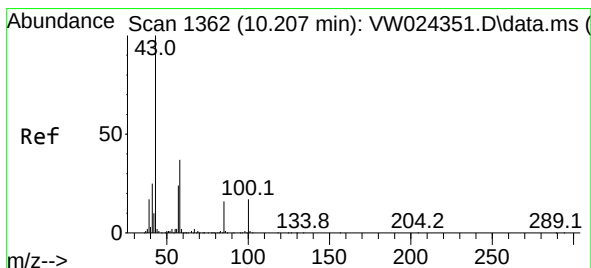
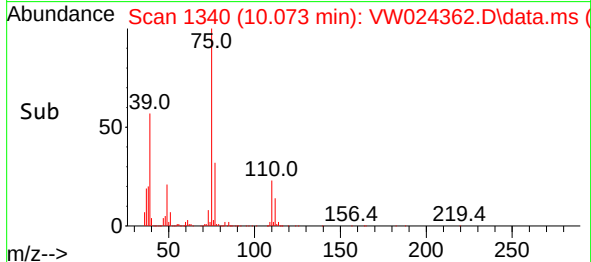
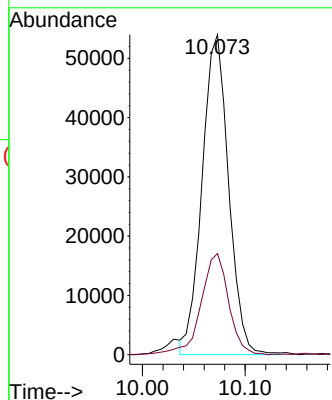
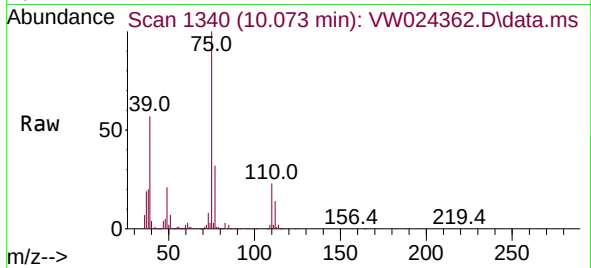
ClientSampleId :

Tgt Ion: 75 Resp: 96919

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 45.559 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

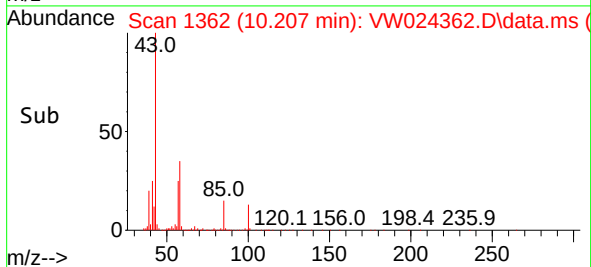
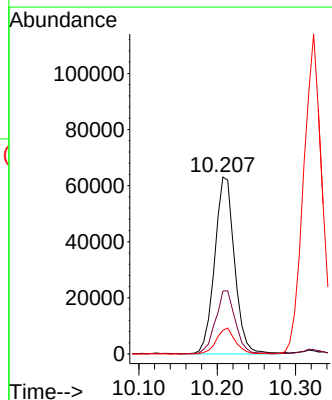
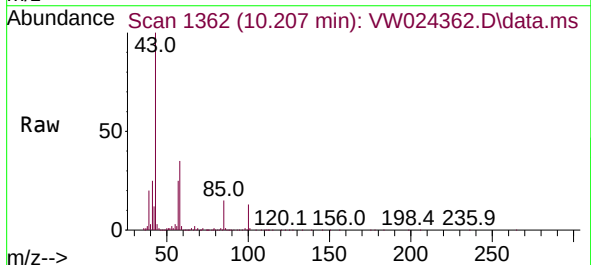
Tgt Ion: 43 Resp: 111514

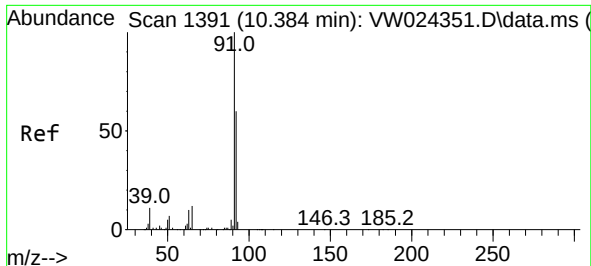
Ion Ratio Lower Upper

43 100

58 35.8 29.4 44.2

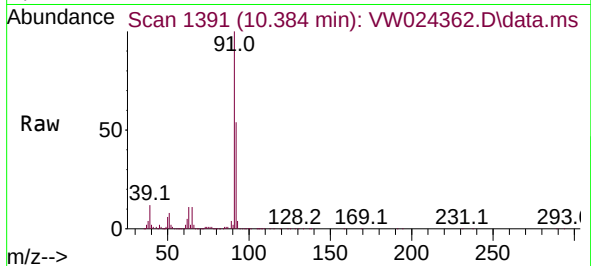
100 13.8 11.8 17.8



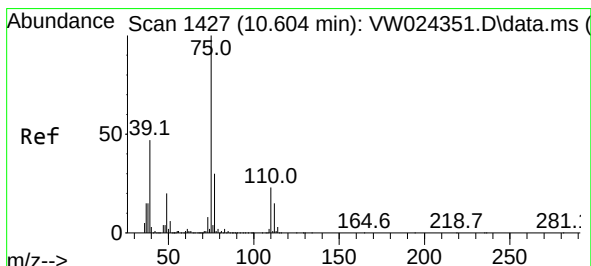
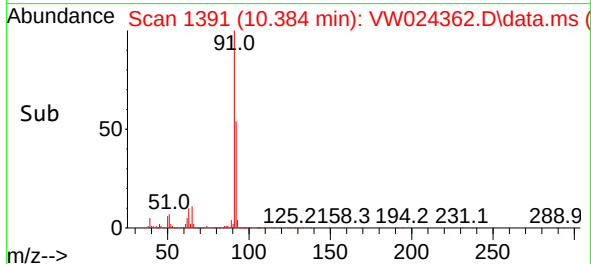
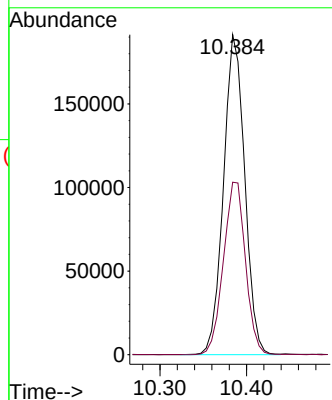


#42
Toluene
Concen: 22.136 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Instrument :
MSVOA_W
ClientSampleId :

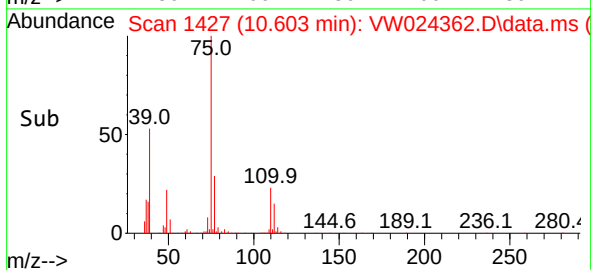
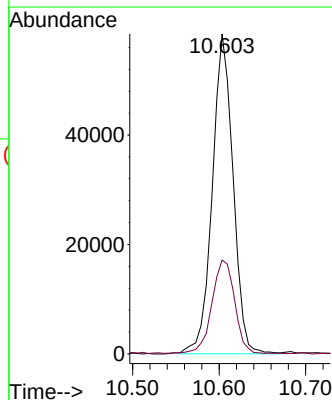
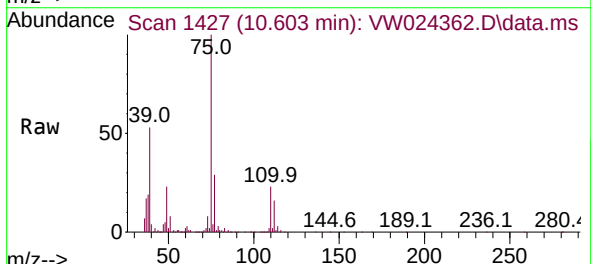


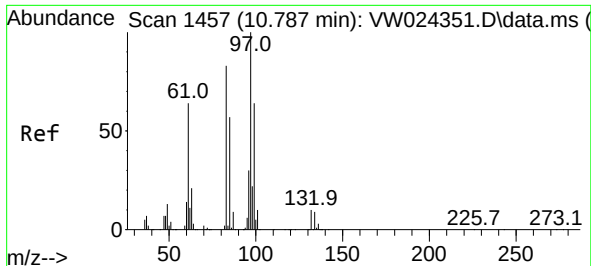
Tgt Ion: 91 Resp: 325841
Ion Ratio Lower Upper
91 100
92 53.9 40.0 74.4



#44
trans-1,3-Dichloropropene
Concen: 20.809 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 75 Resp: 97294
Ion Ratio Lower Upper
75 100
77 29.3 21.1 39.1

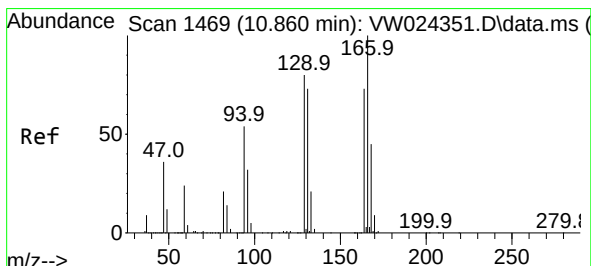
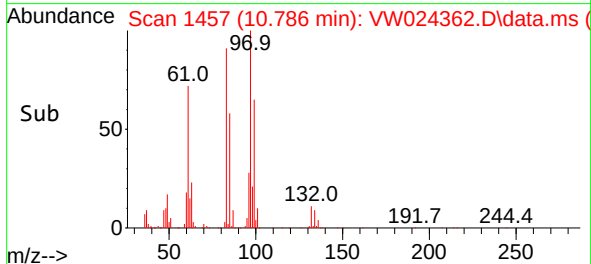
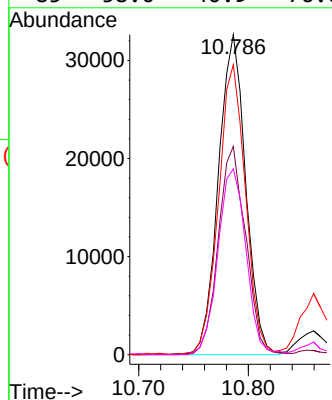
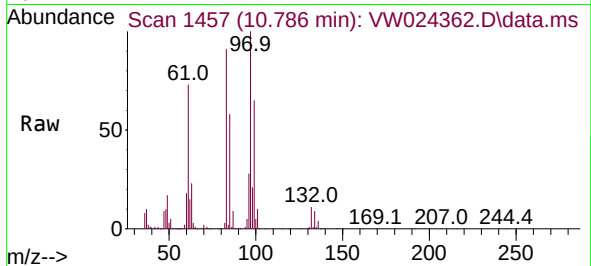




#45
1,1,2-Trichloroethane
Concen: 20.085 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

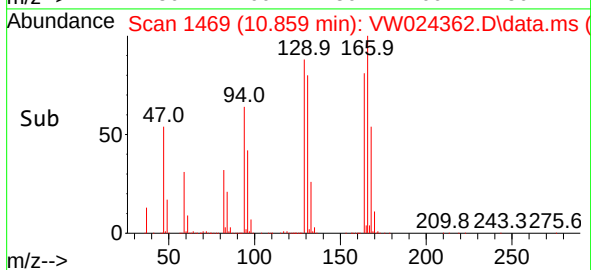
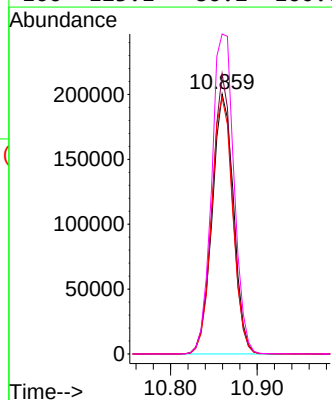
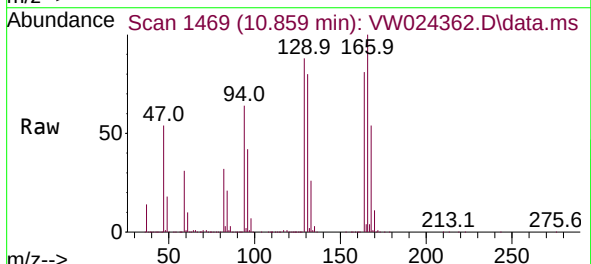
Instrument :
MSVOA_W
ClientSampleId :

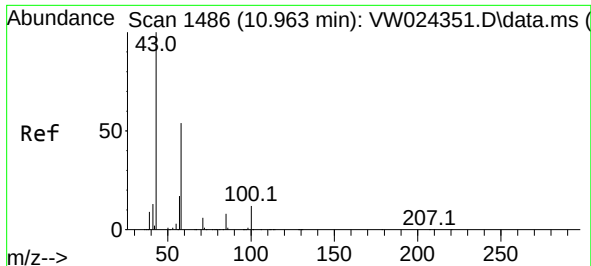
Tgt Ion: 97	Resp: 56379
Ion Ratio	Lower Upper
97 100	
99 65.1	40.4 75.0
83 90.6	60.1 111.5
85 58.0	40.9 76.0



#46
Tetrachloroethene
Concen: 125.998 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

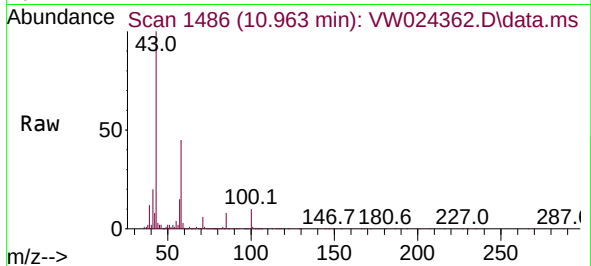
Tgt	Ion:164	Resp:	344009
Ion	Ratio	Lower	Upper
164	100		
129	107.9	72.9	135.3
131	98.7	63.7	118.3
166	123.1	86.2	160.0



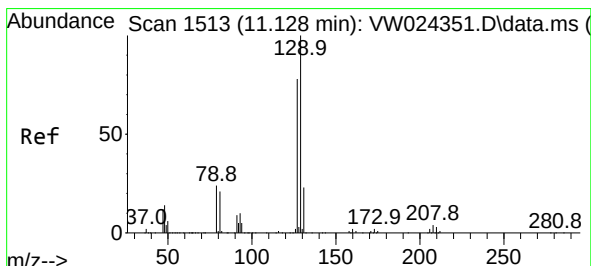
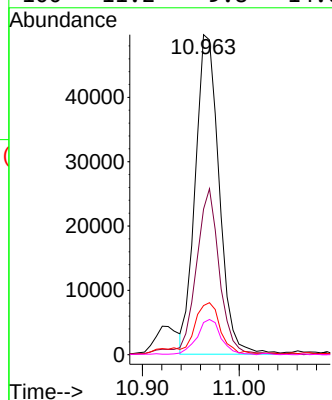
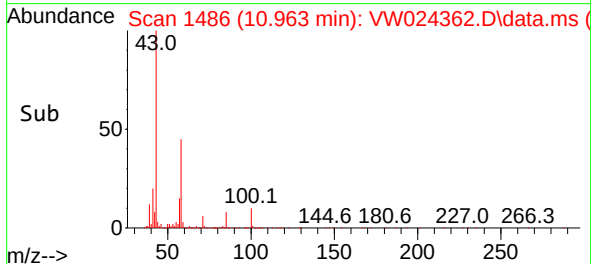


#48
2-Hexanone
Concen: 47.175 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Instrument :
MSVOA_W
ClientSampleId :

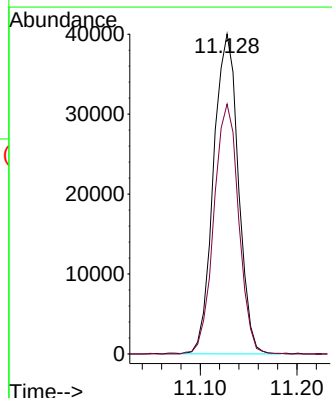
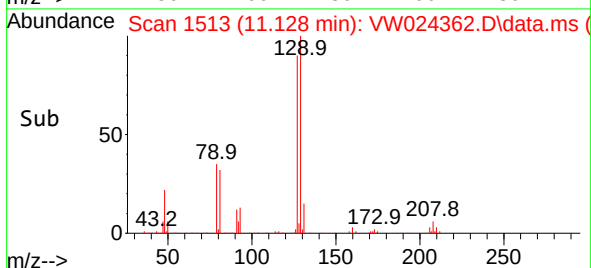
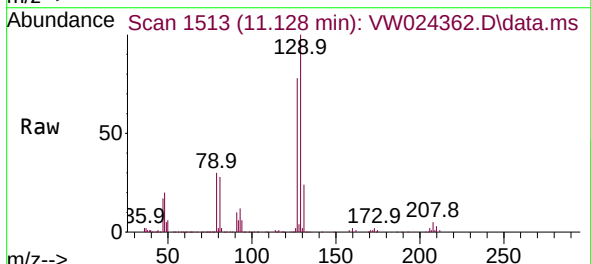


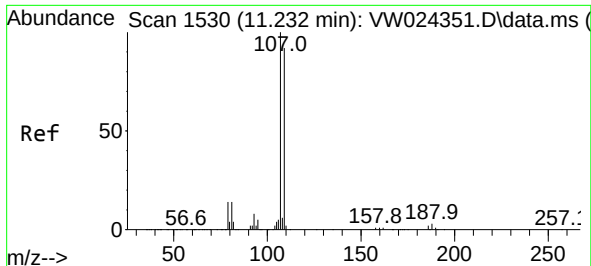
Tgt Ion: 43 Resp: 85173
Ion Ratio Lower Upper
43 100
58 49.7 40.6 61.0
57 16.9 14.2 21.2
100 11.2 9.8 14.6



#49
Dibromochloromethane
Concen: 21.468 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 129 Resp: 71274
Ion Ratio Lower Upper
129 100
127 78.1 54.6 101.4





#50

1,2-Dibromoethane

Concen: 21.403 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024362.D

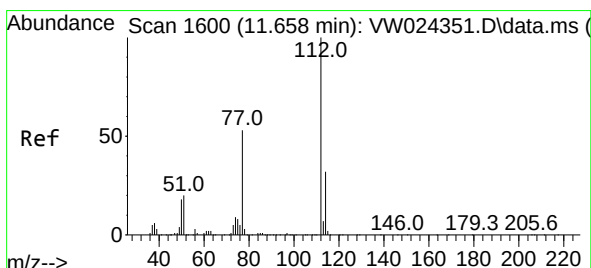
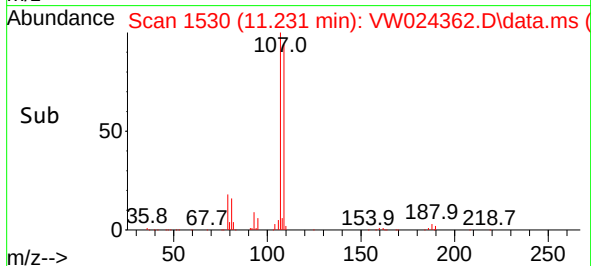
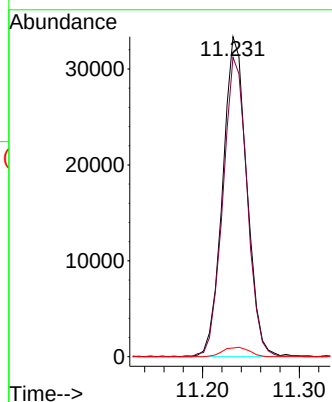
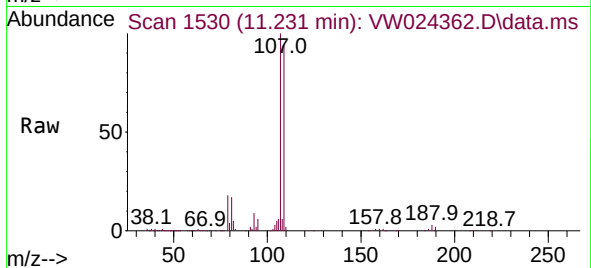
Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	57758
Ion	Ratio	Lower	Upper
107	100		
109	93.6	70.1	130.1
188	2.7	2.6	3.8



#51

Chlorobenzene

Concen: 21.616 ug/L

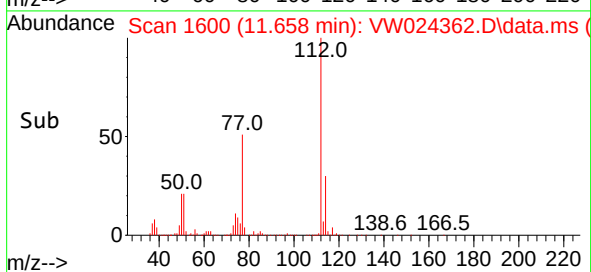
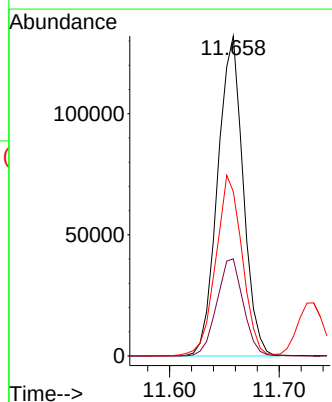
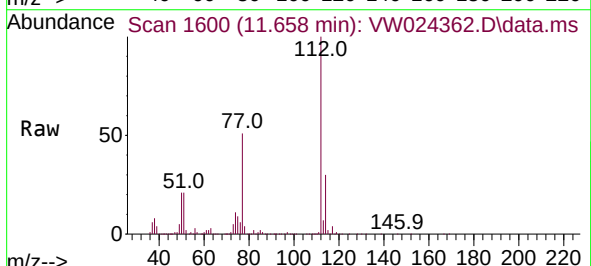
RT: 11.658 min Scan# 1600

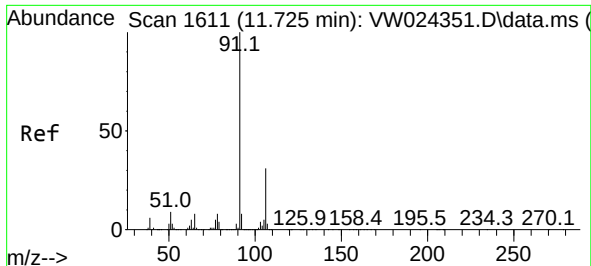
Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Tgt Ion:	112	Resp:	213569
Ion	Ratio	Lower	Upper
112	100		
114	30.3	22.3	41.3
77	51.3	44.1	66.1

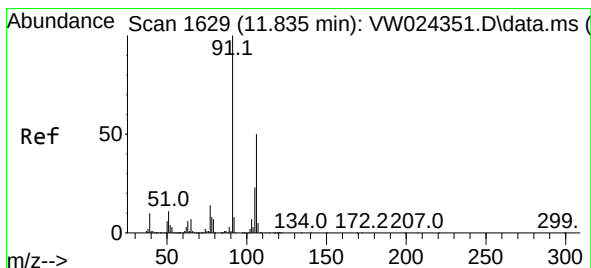
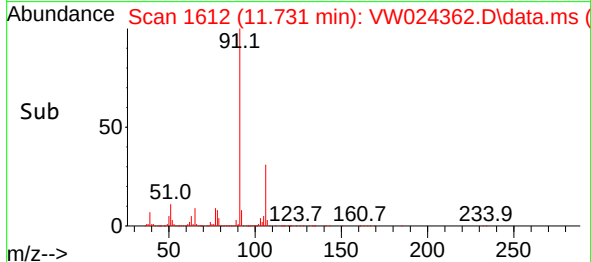
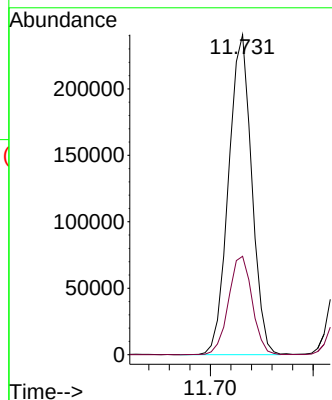
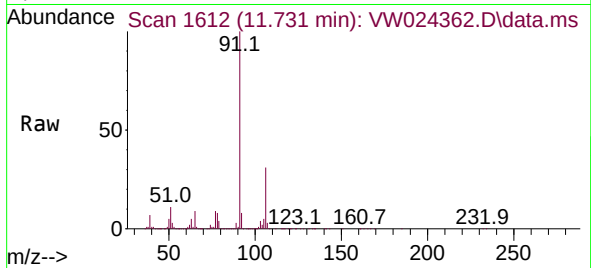




#52
Ethylbenzene
Concen: 23.179 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

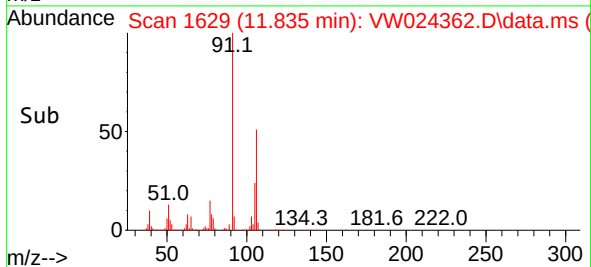
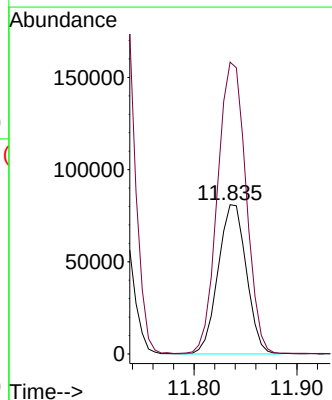
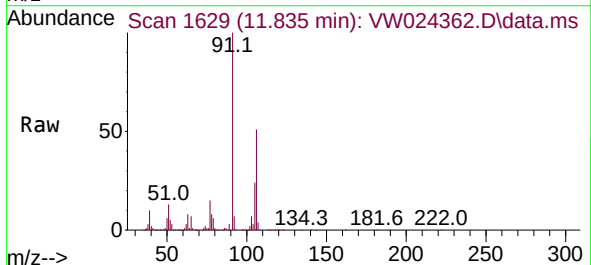
Instrument :
MSVOA_W
ClientSampleId :

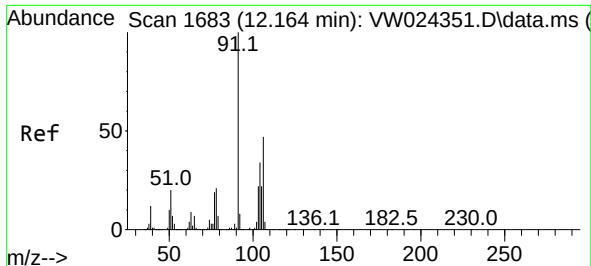
Tgt Ion: 91 Resp: 377227
Ion Ratio Lower Upper
91 100
106 30.8 22.7 42.3



#53
m,p-Xylene
Concen: 24.209 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 106 Resp: 154727
Ion Ratio Lower Upper
106 100
91 195.6 144.3 267.9

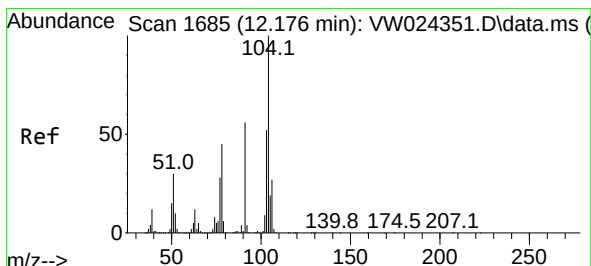
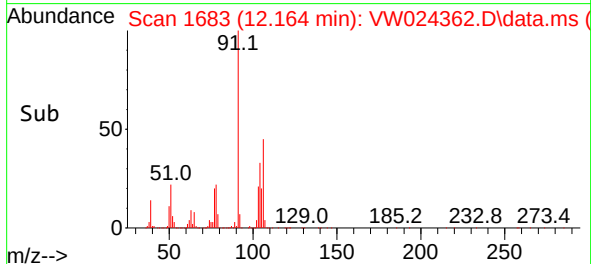
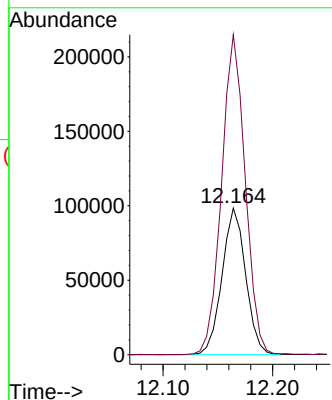
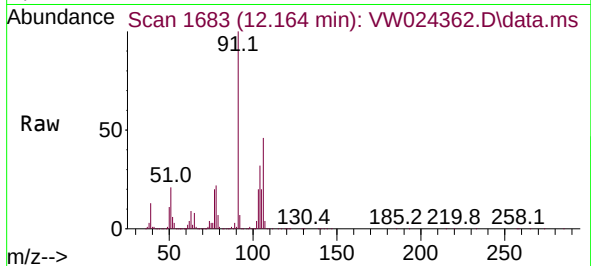




#54
o-Xylene
Concen: 24.667 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

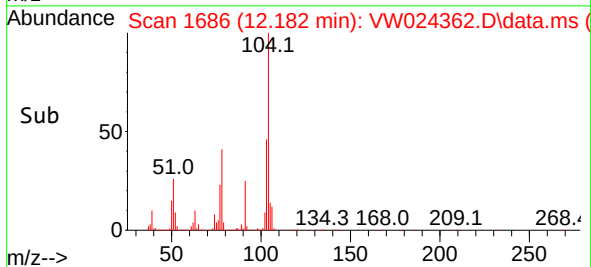
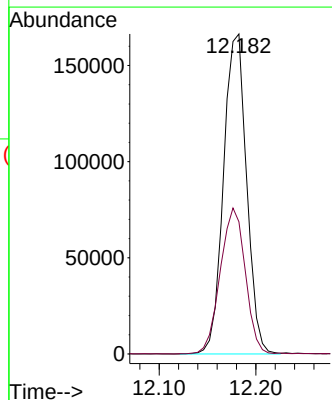
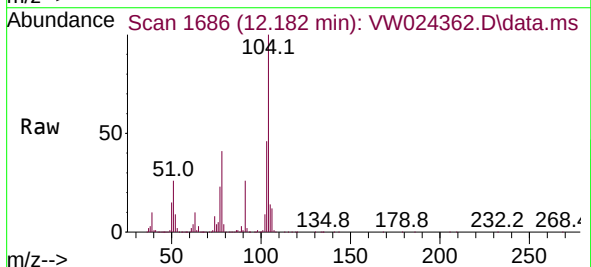
Instrument :
MSVOA_W
ClientSampleId :

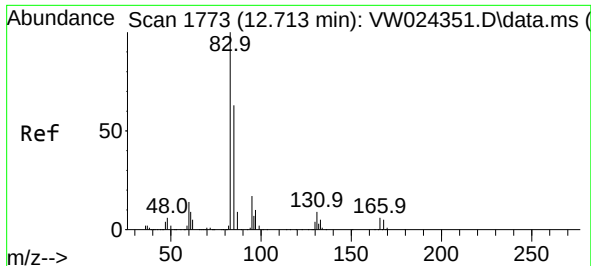
Tgt Ion:106 Resp: 147381
Ion Ratio Lower Upper
106 100
91 218.4 152.1 282.5



#55
Styrene
Concen: 26.107 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion:104 Resp: 275721
Ion Ratio Lower Upper
104 100
78 41.3 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 23.304 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW024362.D

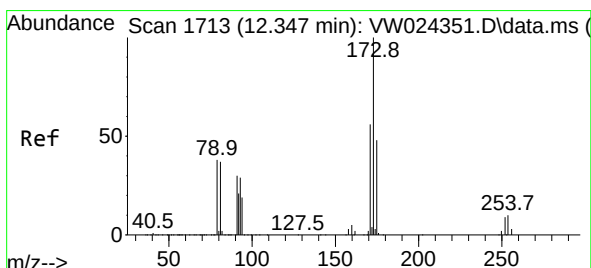
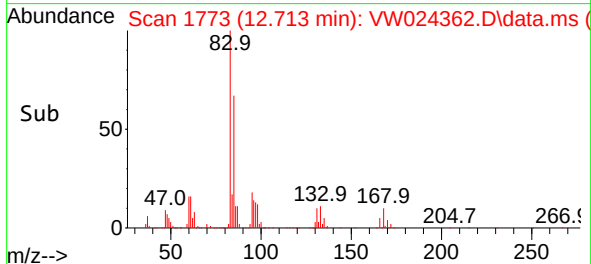
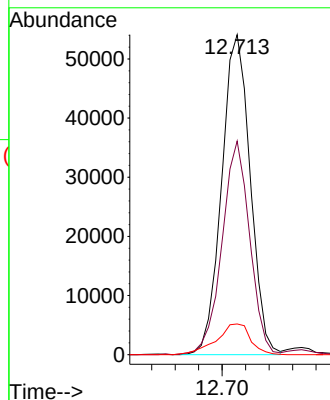
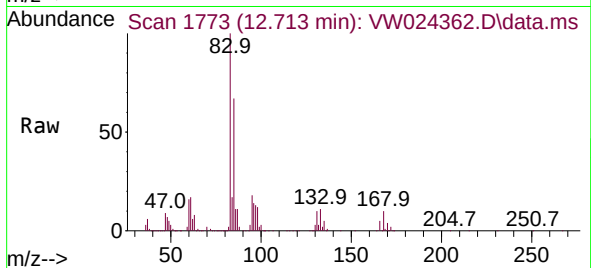
Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	91307
Ion	Ratio	Lower	Upper
83	100		
85	66.7	44.4	82.5
131	9.6	8.4	12.6



#59

Bromoform

Concen: 20.725 ug/L

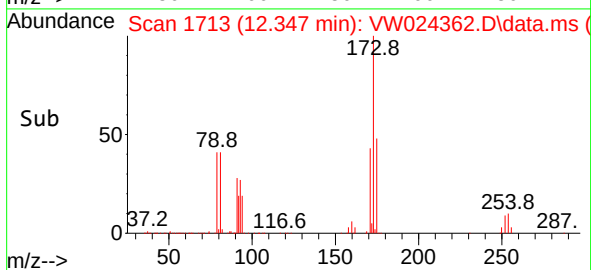
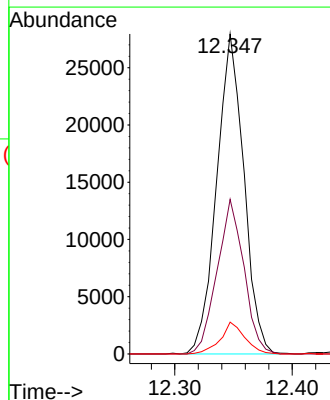
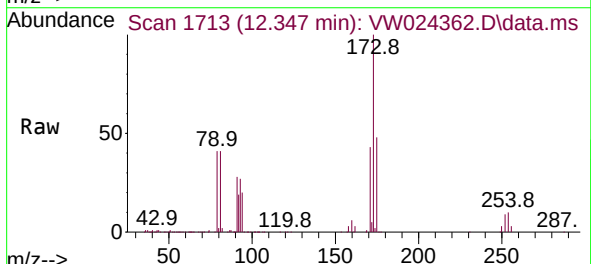
RT: 12.347 min Scan# 1713

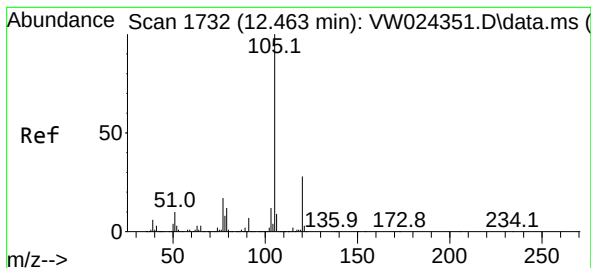
Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Tgt Ion:	173	Resp:	44934
Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.8	59.6
254	8.9	6.8	10.2

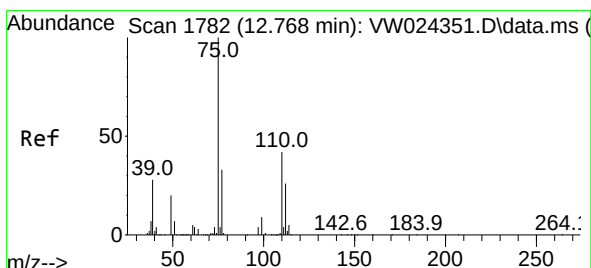
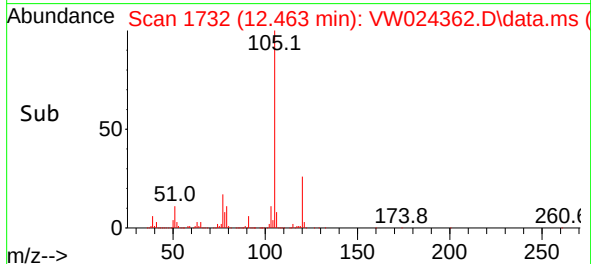
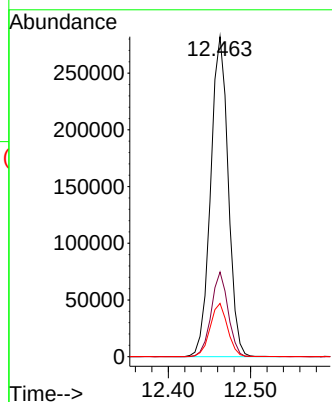
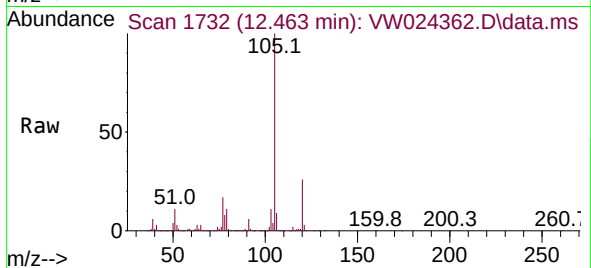




#60
Isopropylbenzene
Concen: 23.324 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

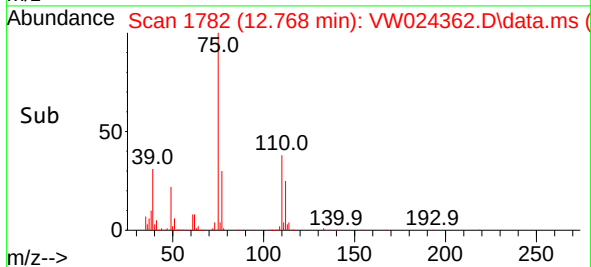
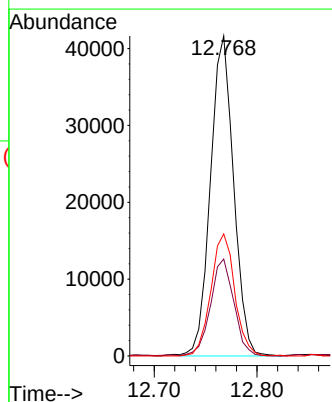
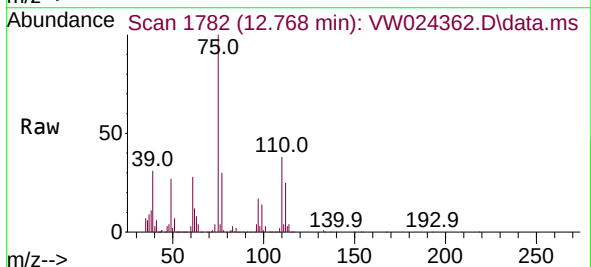
Instrument :
MSVOA_W
ClientSampleId :

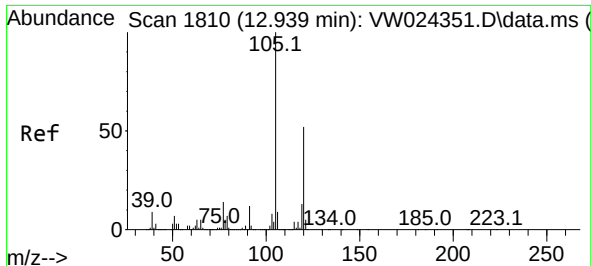
Tgt Ion:105 Resp: 418528
Ion Ratio Lower Upper
105 100
120 25.5 21.4 32.0
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 21.323 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion: 75 Resp: 65146
Ion Ratio Lower Upper
75 100
77 30.5 26.5 39.7
110 39.3 33.8 50.8





#62

1,3,5-Trimethylbenzene

Concen: 23.152 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

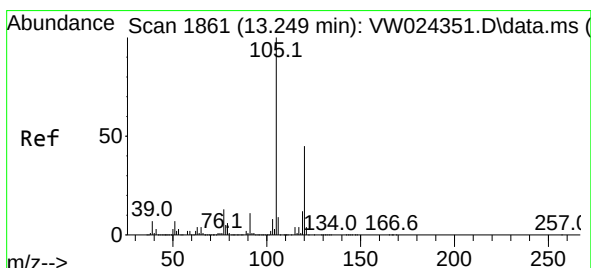
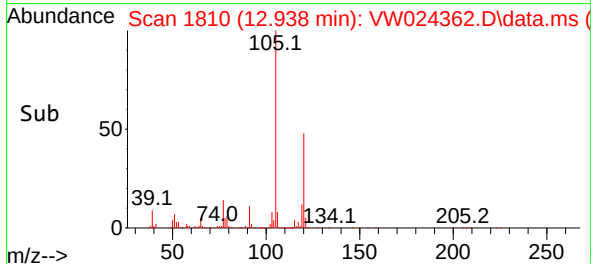
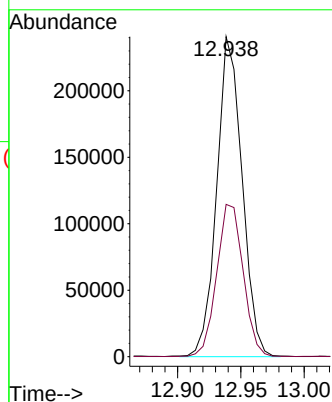
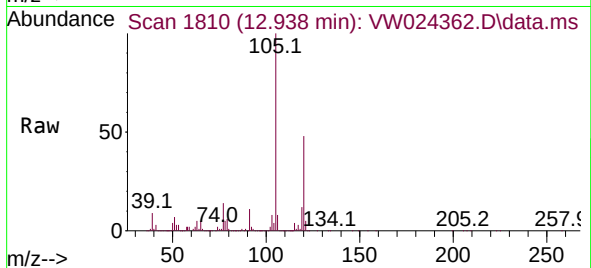
ClientSampleId :

Tgt Ion:105 Resp: 334983

Ion Ratio Lower Upper

105 100

120 49.8 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 24.471 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW024362.D

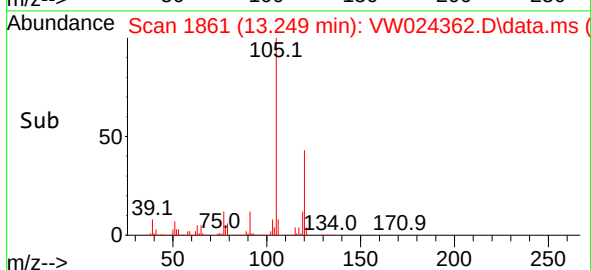
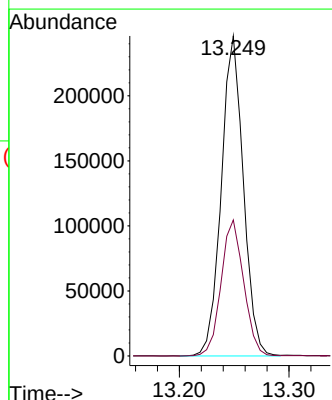
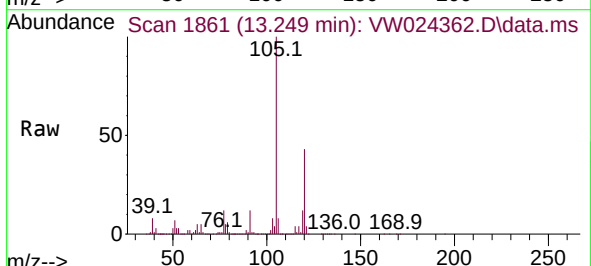
Acq: 26 Aug 2022 20:19

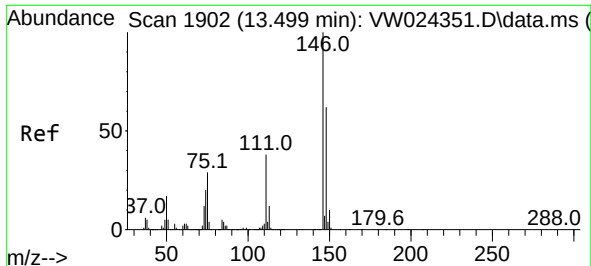
Tgt Ion:105 Resp: 343916

Ion Ratio Lower Upper

105 100

120 43.5 36.2 54.2

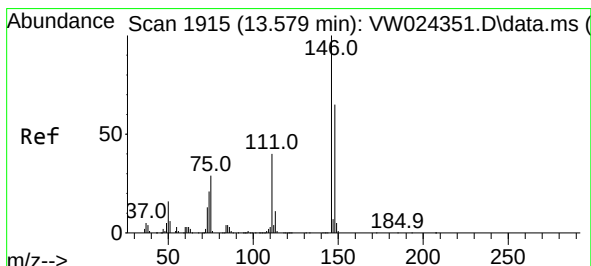
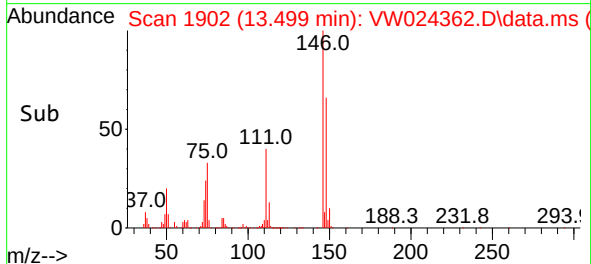
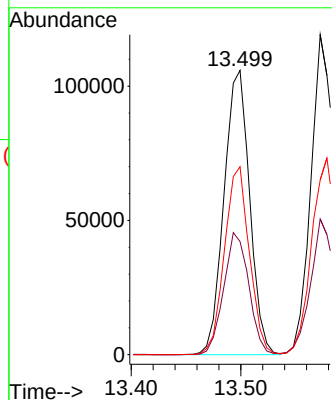
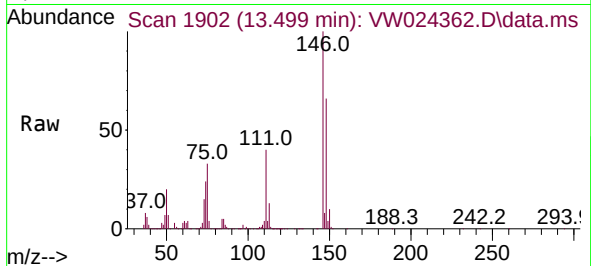




#64
1,3-Dichlorobenzene
Concen: 20.074 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

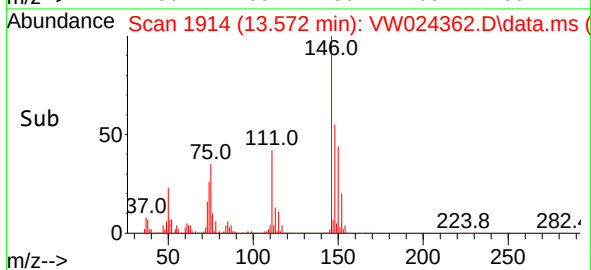
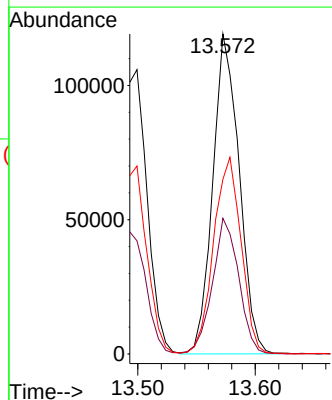
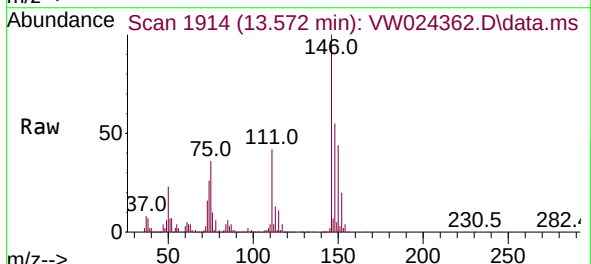
Instrument :
MSVOA_W
ClientSampleId :

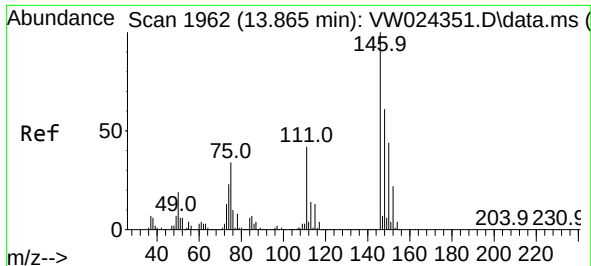
Tgt Ion:146 Resp: 172226
Ion Ratio Lower Upper
146 100
111 39.8 27.0 50.2
148 66.1 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 20.541 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion:146 Resp: 186058
Ion Ratio Lower Upper
146 100
111 42.4 27.7 51.5
148 54.6 46.5 86.5





#67

1,2-Dichlorobenzene

Concen: 22.484 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

ClientSampleId :

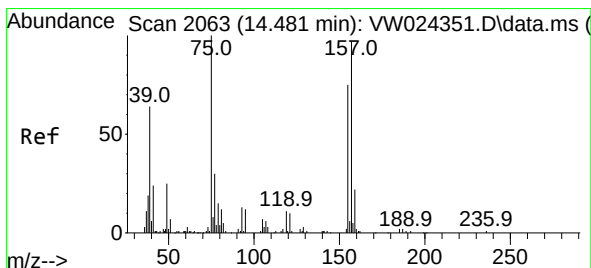
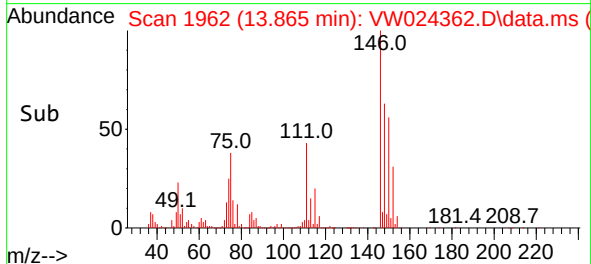
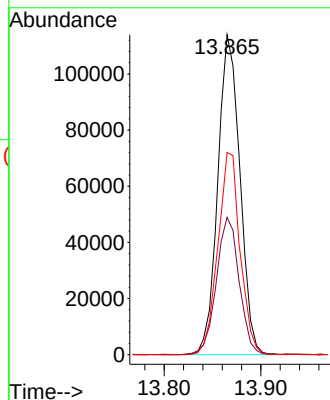
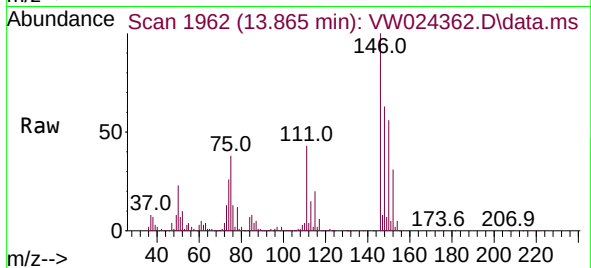
Tgt Ion:146 Resp: 180820

Ion Ratio Lower Upper

146 100

111 42.9 34.5 51.7

148 63.2 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 20.098 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

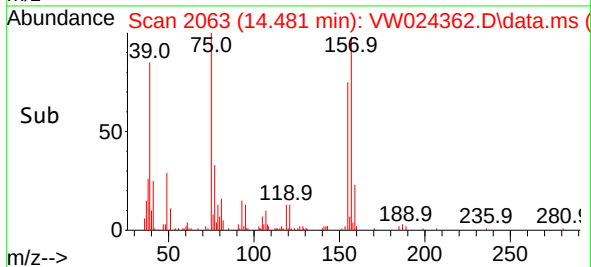
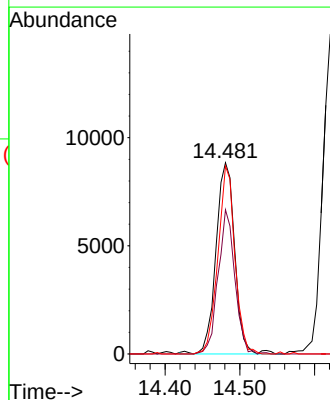
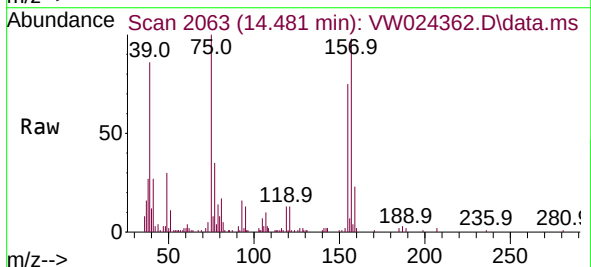
Tgt Ion: 75 Resp: 15427

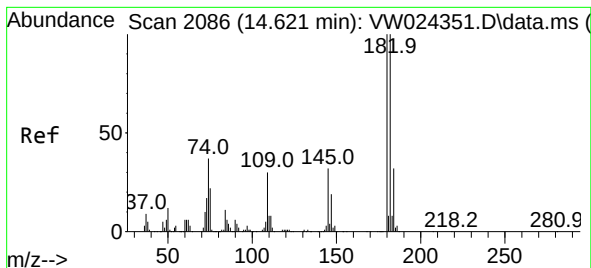
Ion Ratio Lower Upper

75 100

155 75.3 63.9 95.9

157 98.3 72.2 108.4





#69

1,3,5-Trichlorobenzene

Concen: 19.216 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.000 min

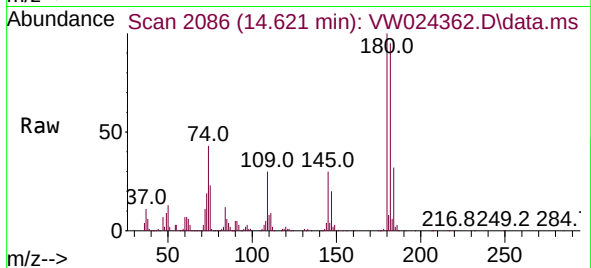
Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 106409

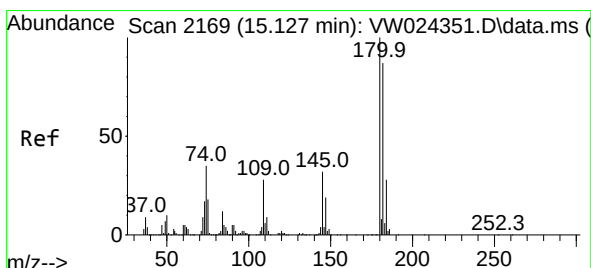
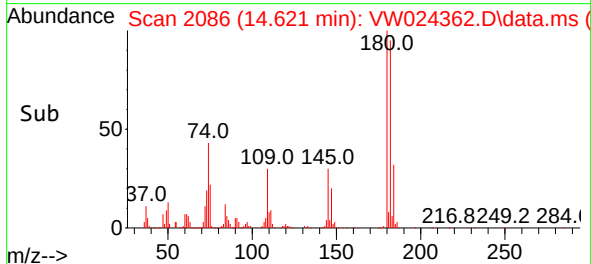
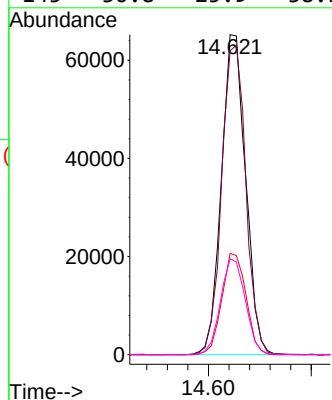
Ion Ratio Lower Upper

180 100

182 97.0 76.6 114.8

184 31.7 24.5 36.7

145 30.8 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 18.604 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW024362.D

Acq: 26 Aug 2022 20:19

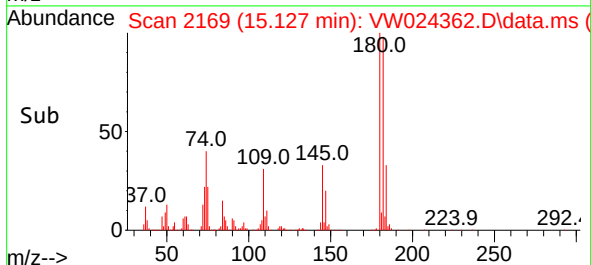
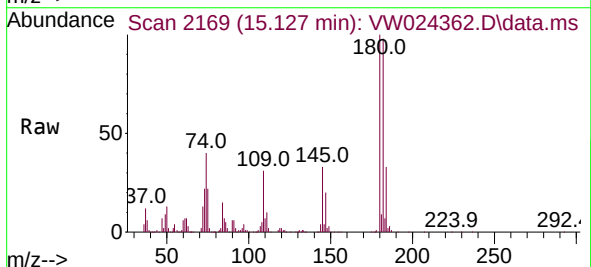
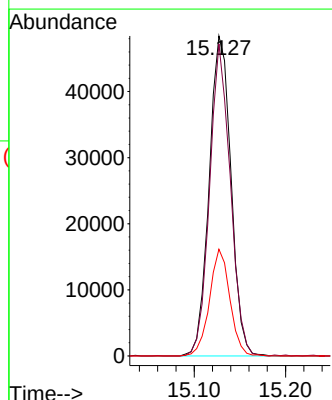
Tgt Ion:180 Resp: 80084

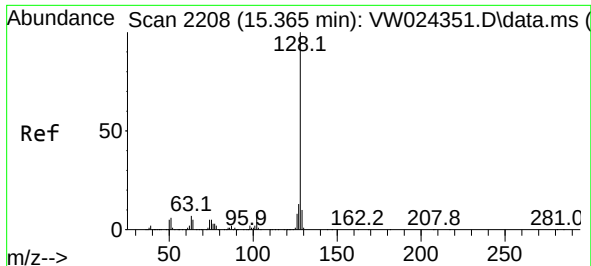
Ion Ratio Lower Upper

180 100

182 92.6 72.6 109.0

145 31.2 26.2 39.2

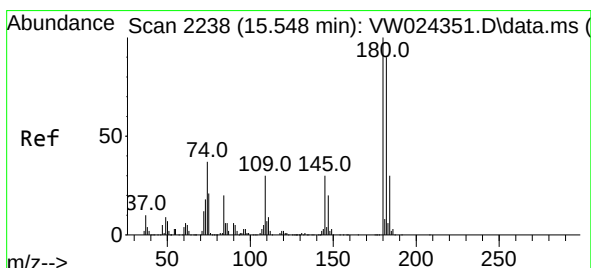
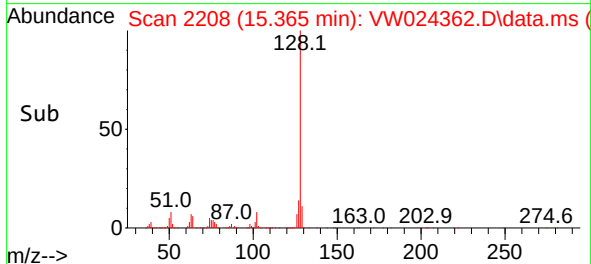
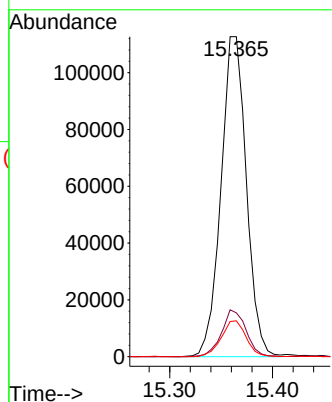
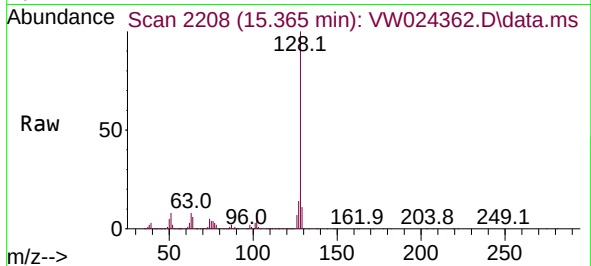




#71
Naphthalene
Concen: 20.463 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 193459
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 11.0 8.3 12.5



#72
1,2,3-Trichlorobenzene
Concen: 19.130 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW024362.D
Acq: 26 Aug 2022 20:19

Tgt Ion:180 Resp: 77828
Ion Ratio Lower Upper
180 100
182 93.4 74.6 111.8
145 33.3 26.6 40.0

