

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
 Data File : VW024353.D
 Acq On : 26 Aug 2022 16:02
 Operator : SY/VA
 Sample : N4344-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 27 00:41:27 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	8.841	114	285256	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	286374	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	157391	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.336	65	180184	22.915	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.640%
7) Chloroethane-d5	2.867	69	136689	23.201	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	4.001	63	127162	18.646	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.600%
21) 2-Butanone-d5	7.073	46	66504	45.917	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.840%
24) Chloroform-d	7.646	84	215091	23.454	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	8.524	65	108	0.019	ug/L	0.22
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.080%#
32) Benzene-d6	8.268	84	415528	25.325	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.280%
36) 1,2-Dichloropropane-d6	9.274	67	127847	25.054	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.200%
41) Toluene-d8	10.323	98	378196	24.243	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.960%
43) trans-1,3-Dichloroprop...	10.573	79	58197	24.371	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.480%
47) 2-Hexanone-d5	10.920	63	58116	50.894	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.780%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	138128	23.909	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.640%
66) 1,2-Dichlorobenzene-d4	13.853	152	146690	24.750	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.202	50	116114	21.752	ug/L	98
6) Bromomethane	2.751	94	50255	7.673	ug/L	98
9) Trichlorofluoromethane	3.239	101	46767	10.658	ug/L	98
13) Acetone	4.123	43	30730	35.554	ug/L	98
15) Methyl Acetate	4.671	43	66505	31.453	ug/L	99
16) Methylene chloride	4.903	84	49034	10.249	ug/L	96
17) trans-1,2-Dichloroethene	5.409	96	42181	10.459	ug/L	90
18) Methyl tert-butyl Ether	5.427	73	204606	30.984	ug/L	99
23) Bromochloromethane	7.506	128	31462	14.528	ug/L #	94
27) 1,2-Dichloroethane	8.396	62	60536	9.829	ug/L	95
29) Cyclohexane	7.951	56	61438	9.951	ug/L	99
30) 1,1,1-Trichloroethane	7.866	97	68355	10.124	ug/L	97
31) Carbon tetrachloride	8.061	117	77214	12.501	ug/L	96
34) Trichloroethene	9.085	95	194013	41.286	ug/L	93
35) Methylcyclohexane	9.329	83	214834	28.494	ug/L	98
37) 1,2-Dichloropropane	9.366	63	60363	13.119	ug/L	98
38) Bromodichloromethane	9.640	83	130196	20.778	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	113604	17.662	ug/L	98
42) Toluene	10.384	91	436631	22.190	ug/L	96

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

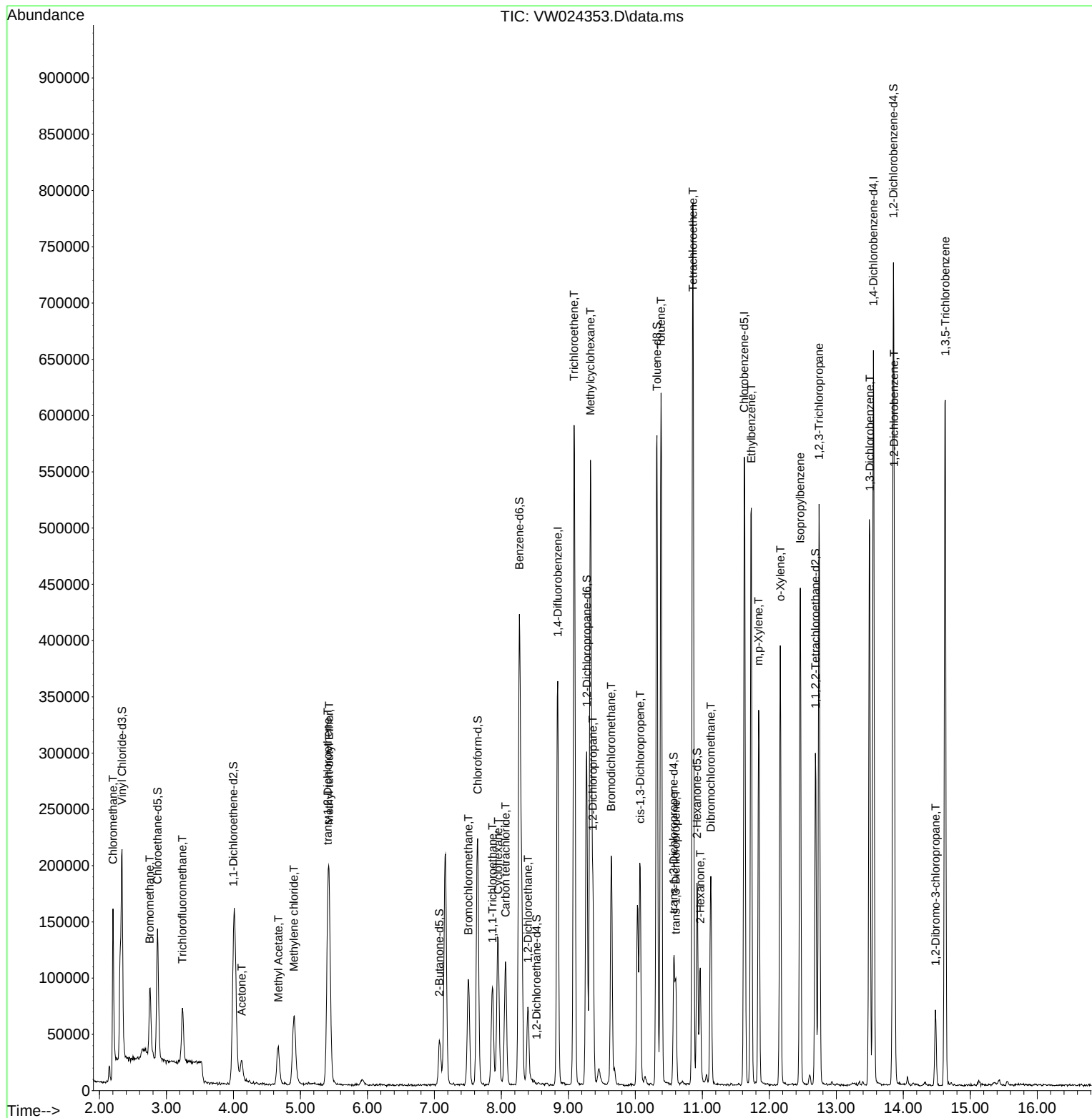
44) trans-1,3-Dichloropropene	10.603	75	48199	7.712	ug/L	95
46) Tetrachloroethene	10.859	164	155154	42.512	ug/L	94
48) 2-Hexanone	10.969	43	65673	27.212	ug/L	98
49) Dibromochloromethane	11.128	129	91330	20.579	ug/L	95
52) Ethylbenzene	11.731	91	340140	15.636	ug/L	99
53) m,p-Xylene	11.841	106	87367	10.226	ug/L	98
54) o-Xylene	12.164	106	95698	11.982	ug/L	98
60) Isopropylbenzene	12.463	105	266415	12.744	ug/L	99
61) 1,2,3-Trichloropropane	12.743	75	20653	5.803	ug/L #	1
64) 1,3-Dichlorobenzene	13.499	146	192212	19.231	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	97032	10.357	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	15765	17.630	ug/L	91
69) 1,3,5-Trichlorobenzene	14.627	180	171405	26.570	ug/L	99

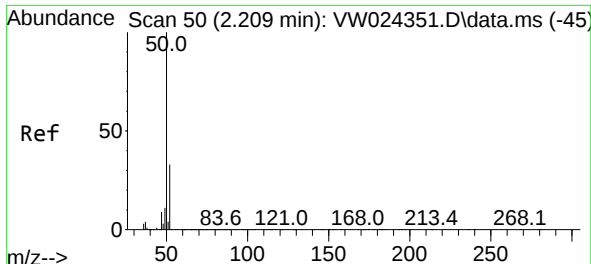
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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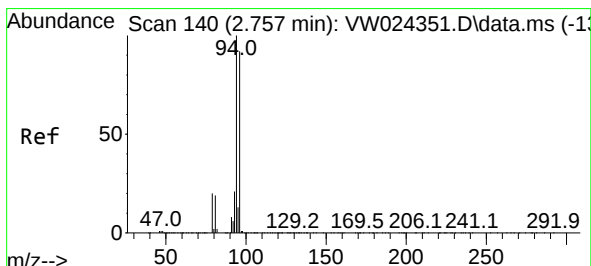
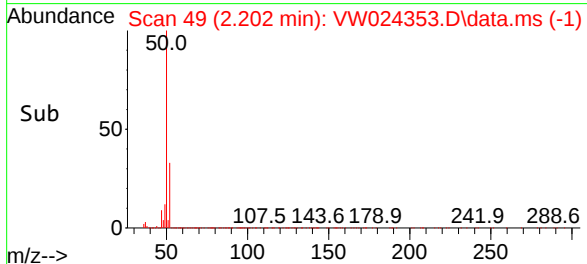
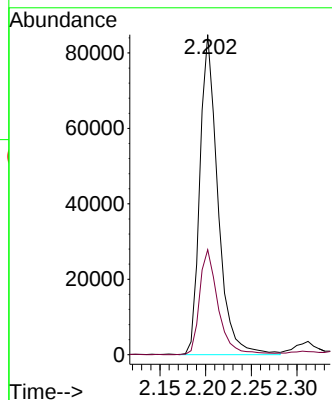
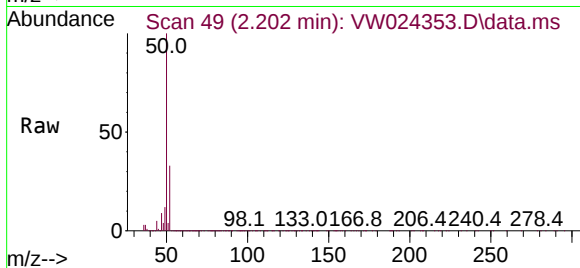




#3
Chloromethane
Concen: 21.752 ug/L
RT: 2.202 min Scan# 49
Delta R.T. -0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

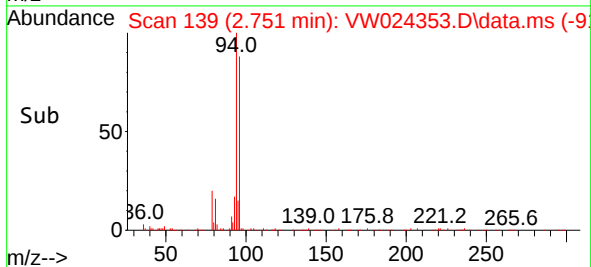
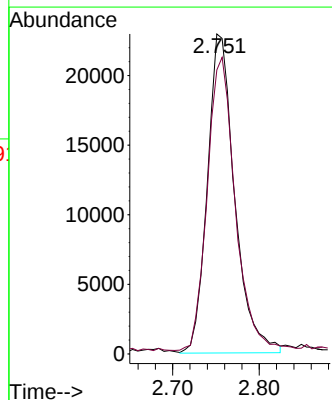
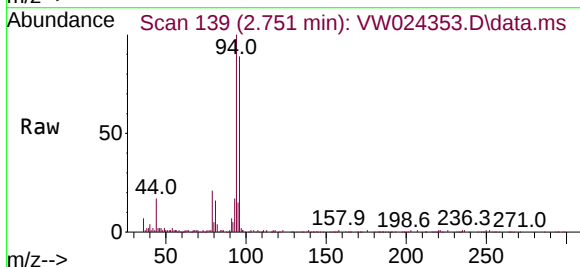
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MSVOA_W
ClientSampleId :

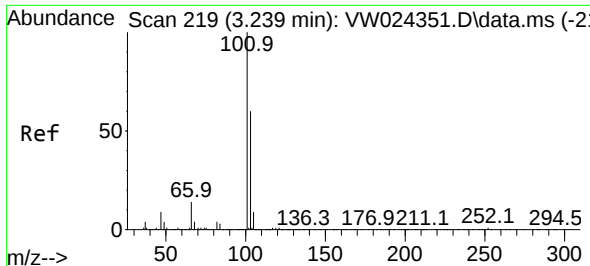
Tgt Ion: 50 Resp: 116114
Ion Ratio Lower Upper
50 100
52 32.8 22.3 41.5



#6
Bromomethane
Concen: 7.673 ug/L
RT: 2.751 min Scan# 139
Delta R.T. -0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

Tgt Ion: 94 Resp: 50255
Ion Ratio Lower Upper
94 100
96 88.8 63.6 118.0

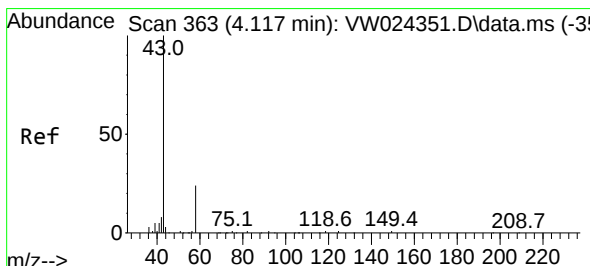
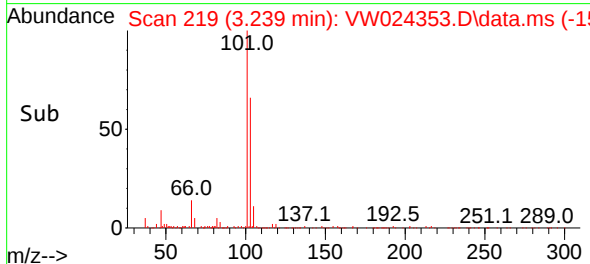
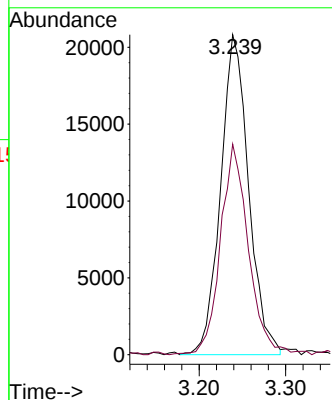
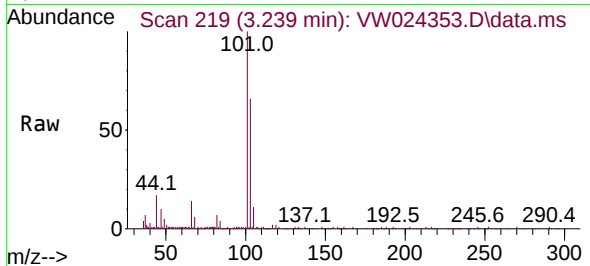




#9
 Trichlorofluoromethane
 Concen: 10.658 ug/L
 RT: 3.239 min Scan# 219
 Delta R.T. -0.000 min
 Lab File: VW024353.D
 Acq: 26 Aug 2022 16:02

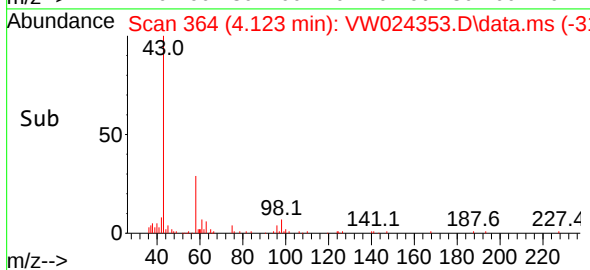
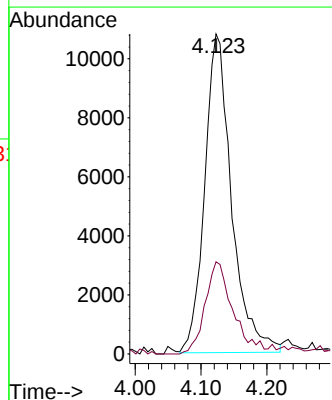
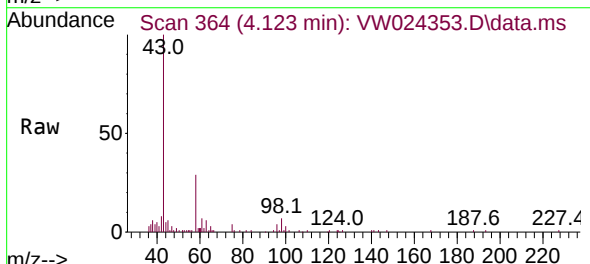
Instrument :
 MSVOA_W
 ClientSampleId :

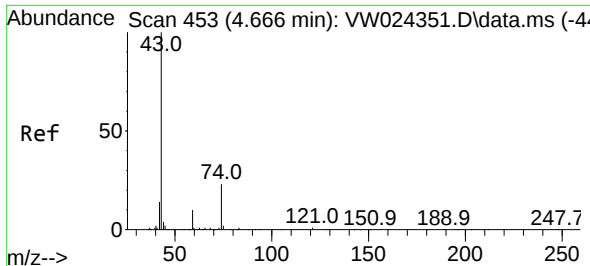
Tgt Ion:101 Resp: 46767
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.4 75.6



#13
 Acetone
 Concen: 35.554 ug/L
 RT: 4.123 min Scan# 364
 Delta R.T. 0.006 min
 Lab File: VW024353.D
 Acq: 26 Aug 2022 16:02

Tgt Ion: 43 Resp: 30730
 Ion Ratio Lower Upper
 43 100
 58 28.0 0.0 58.4

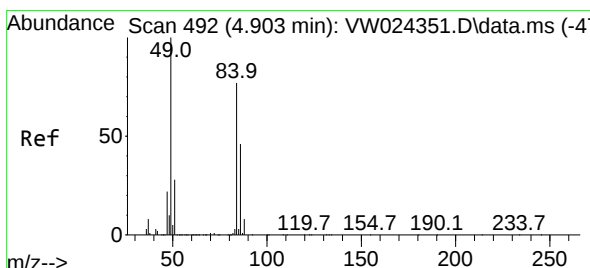
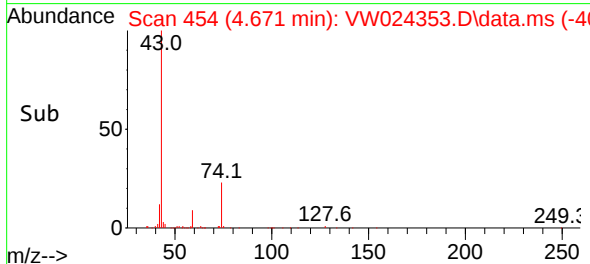
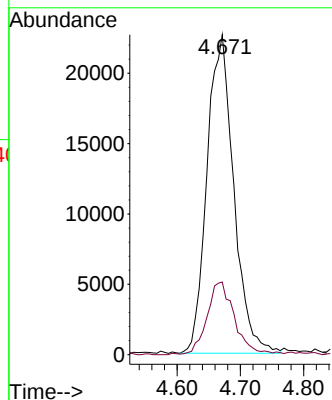
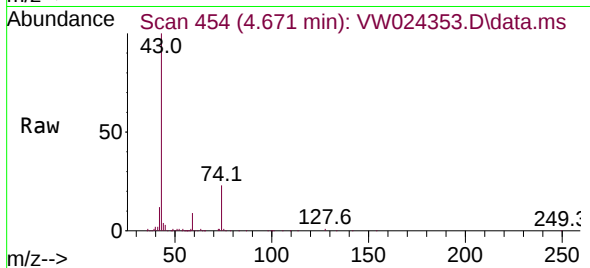




#15
Methyl Acetate
Concen: 31.453 ug/L
RT: 4.671 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

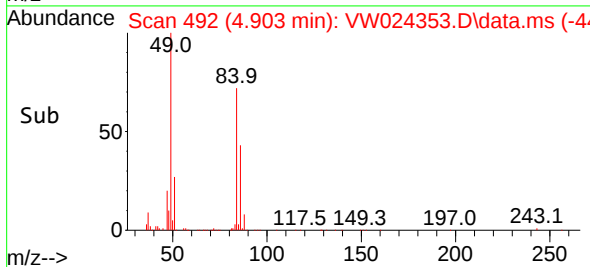
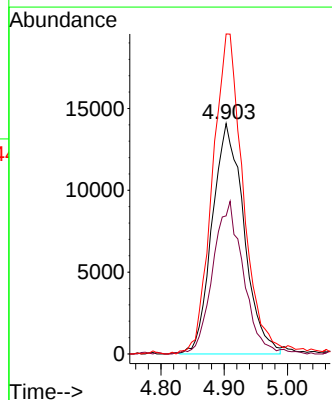
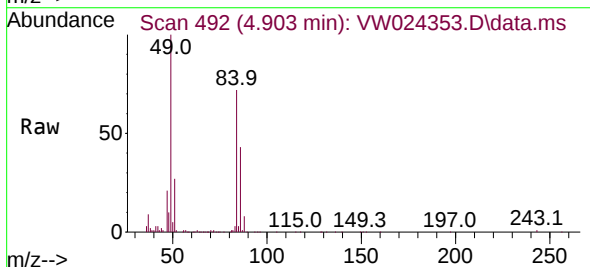
Instrument :
MSVOA_W
ClientSampleId :

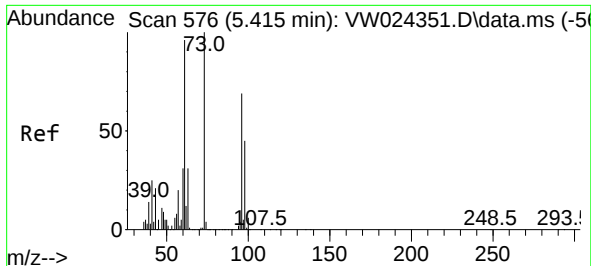
Tgt Ion: 43 Resp: 66505
Ion Ratio Lower Upper
43 100
74 23.0 17.9 26.9



#16
Methylene chloride
Concen: 10.249 ug/L
RT: 4.903 min Scan# 492
Delta R.T. 0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

Tgt Ion: 84 Resp: 49034
Ion Ratio Lower Upper
84 100
86 59.9 47.7 88.7
49 138.9 96.6 179.4

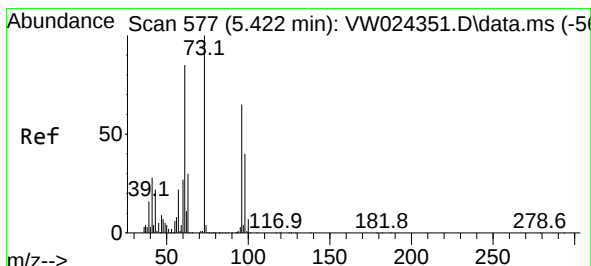
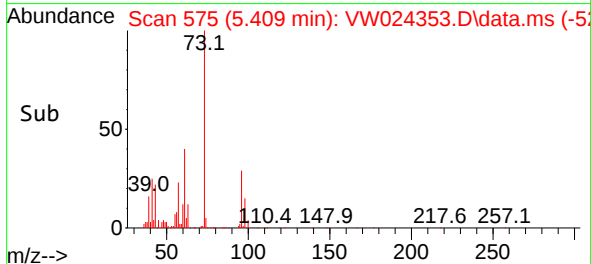
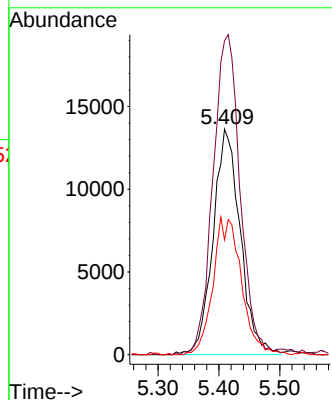
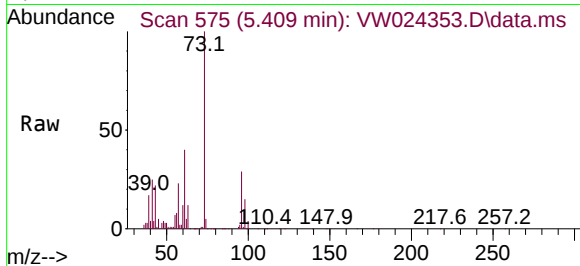




#17
trans-1,2-Dichloroethene
Concen: 10.459 ug/L
RT: 5.409 min Scan# 575
Delta R.T. -0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

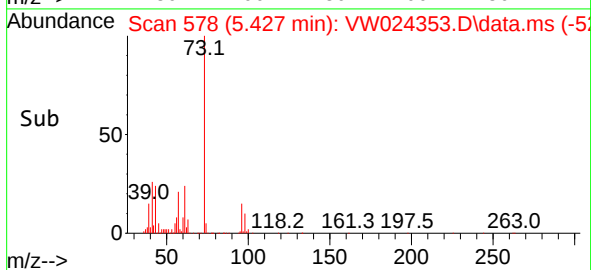
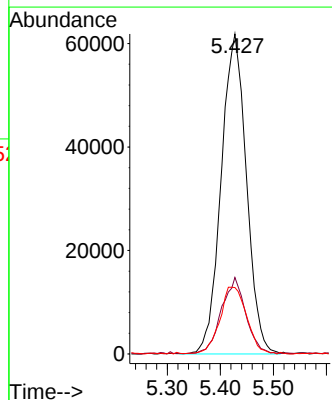
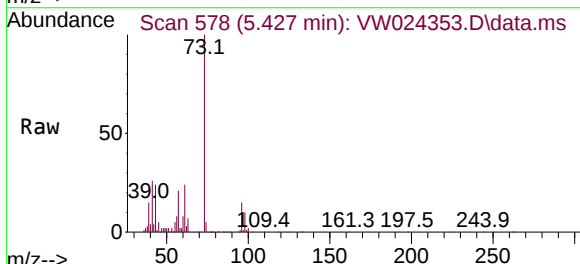
Instrument :
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ClientSampleId :

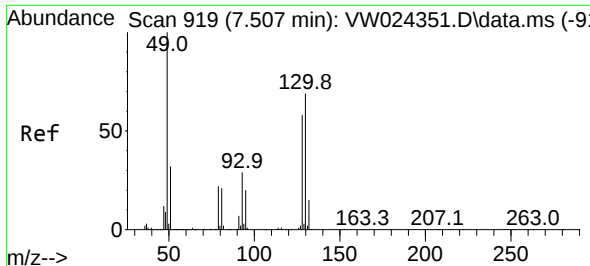
Tgt Ion: 96 Resp: 42181
Ion Ratio Lower Upper
96 100
61 139.2 92.1 171.1
98 50.9 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 30.984 ug/L
RT: 5.427 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

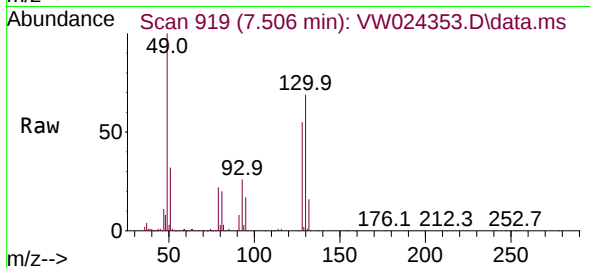
Tgt Ion: 73 Resp: 204606
Ion Ratio Lower Upper
73 100
43 22.7 18.8 28.2
57 22.3 18.1 27.1



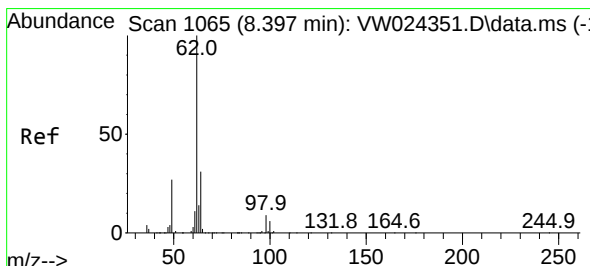
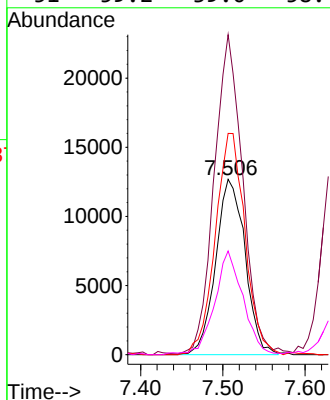
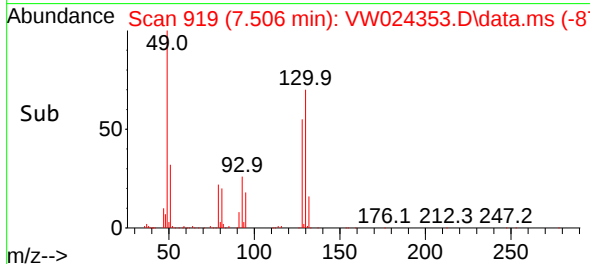


#23
Bromochloromethane
Concen: 14.528 ug/L
RT: 7.506 min Scan# 919
Delta R.T. -0.000 min
Lab File: VW024353.D
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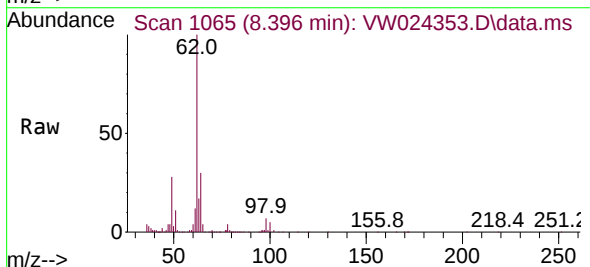
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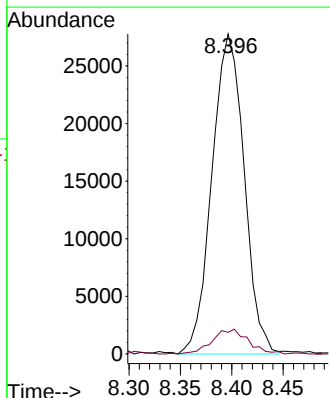
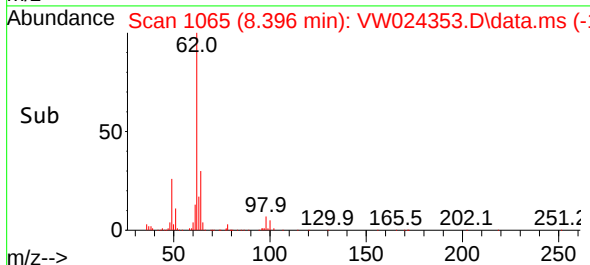
Tgt Ion:128 Resp: 31462
Ion Ratio Lower Upper
128 100
49 182.5 122.1 226.7
130 126.2 91.1 169.1
51 59.2 39.0 58.4#

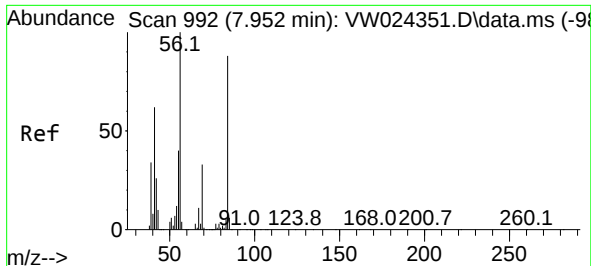


#27
1,2-Dichloroethane
Concen: 9.829 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02



Tgt Ion: 62 Resp: 60536
Ion Ratio Lower Upper
62 100
98 6.8 6.7 10.1





#29

Cyclohexane

Concen: 9.951 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.000 min

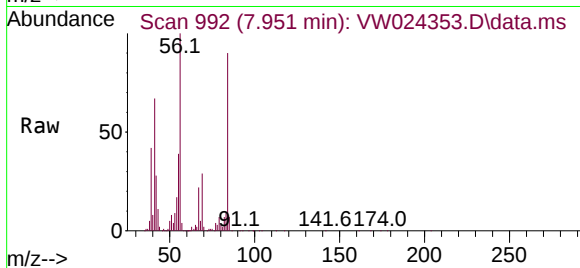
Lab File: VW024353.D

Acq: 26 Aug 2022 16:02

Instrument :

MSVOA_W

ClientSampleId :



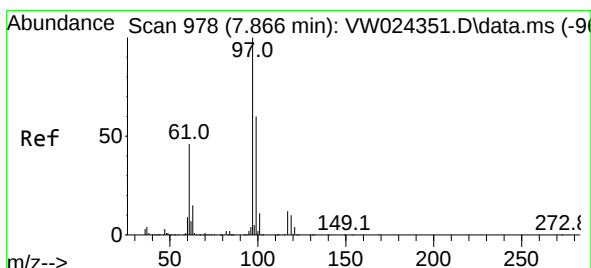
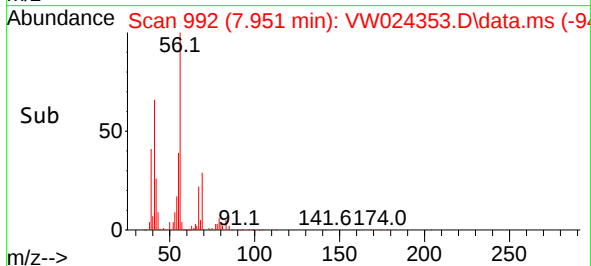
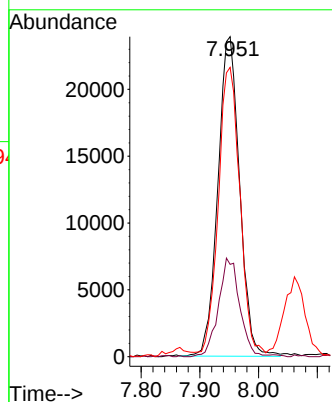
Tgt Ion: 56 Resp: 61438

Ion Ratio Lower Upper

56 100

69 30.0 23.5 35.3

84 89.7 72.2 108.4



#30

1,1,1-Trichloroethane

Concen: 10.124 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.000 min

Lab File: VW024353.D

Acq: 26 Aug 2022 16:02

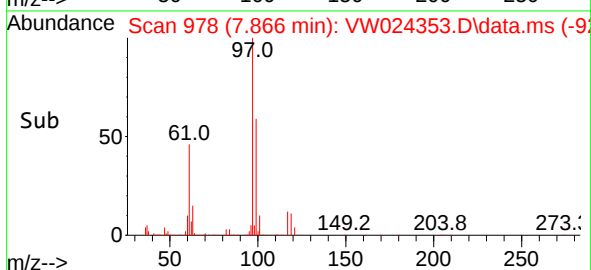
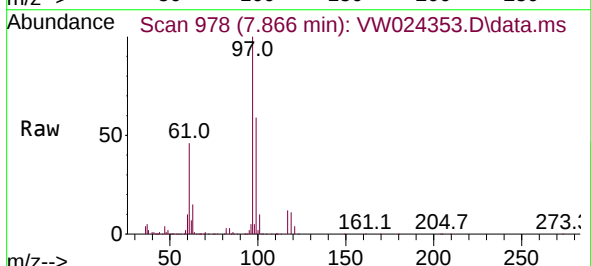
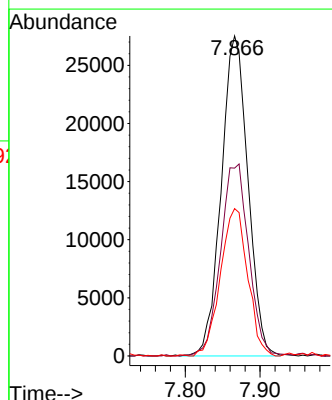
Tgt Ion: 97 Resp: 68355

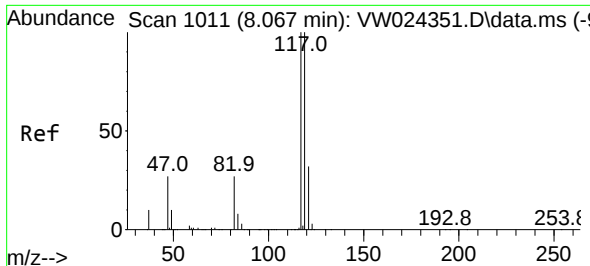
Ion Ratio Lower Upper

97 100

99 63.4 50.2 75.2

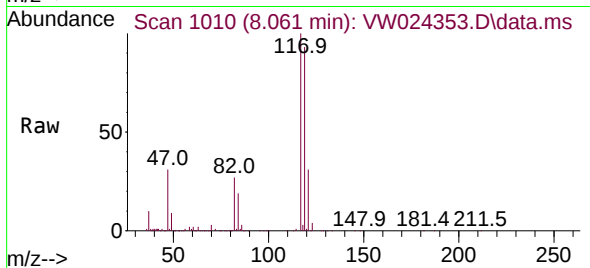
61 47.0 40.2 60.4



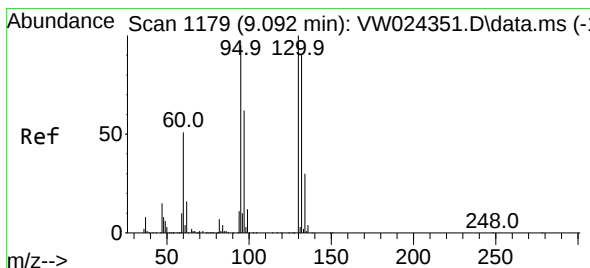
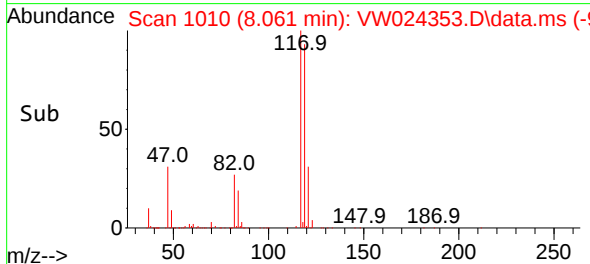
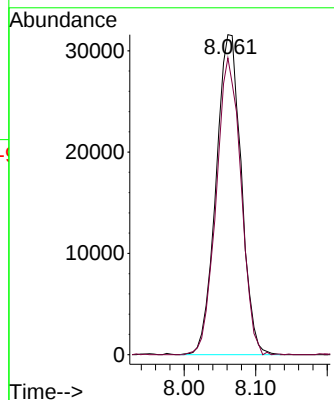


#31
Carbon tetrachloride
Concen: 12.501 ug/L
RT: 8.061 min Scan# 1010
Delta R.T. -0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

Instrument :
MSVOA_W
ClientSampleId :

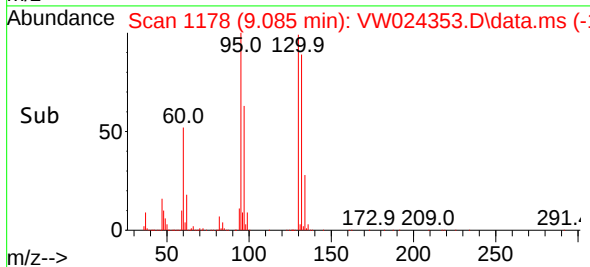
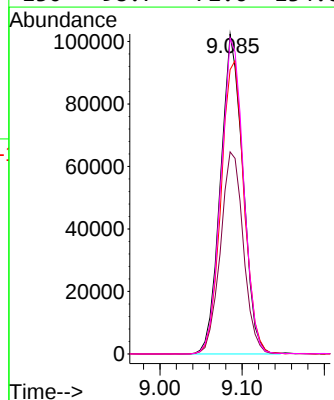
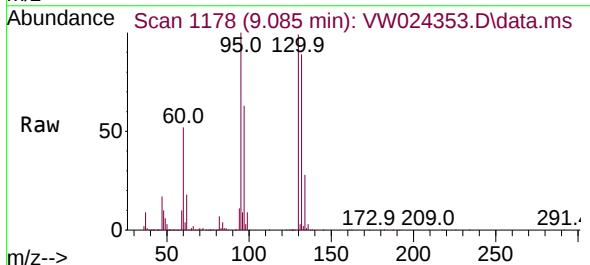


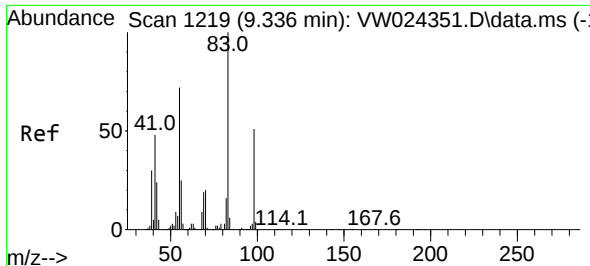
Tgt Ion:117 Resp: 77214
Ion Ratio Lower Upper
117 100
119 91.0 75.9 113.9



#34
Trichloroethene
Concen: 41.286 ug/L
RT: 9.085 min Scan# 1178
Delta R.T. -0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

Tgt Ion: 95 Resp: 194013
Ion Ratio Lower Upper
95 100
97 63.1 48.4 89.8
132 88.9 68.6 127.4
130 98.7 72.6 134.8

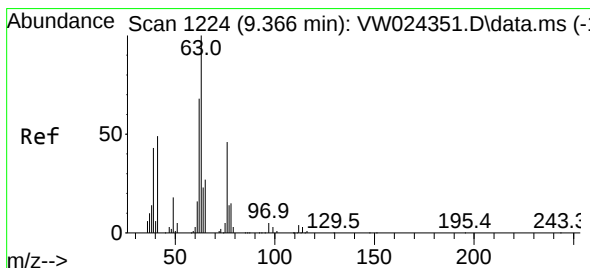
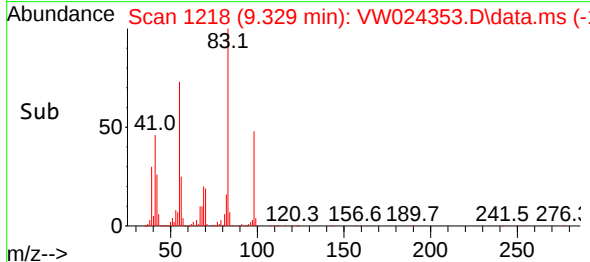
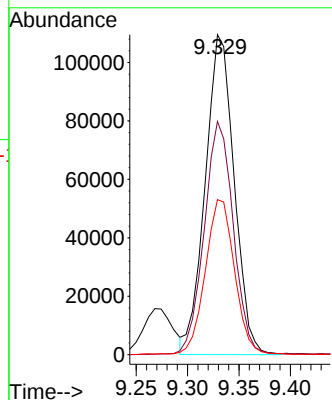
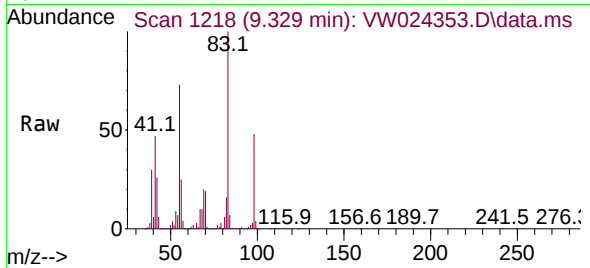




#35
Methylcyclohexane
Concen: 28.494 ug/L
RT: 9.329 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

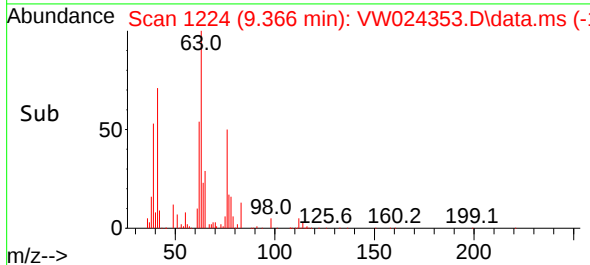
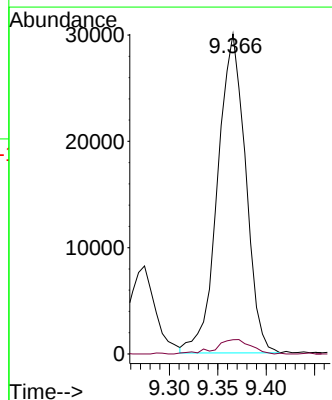
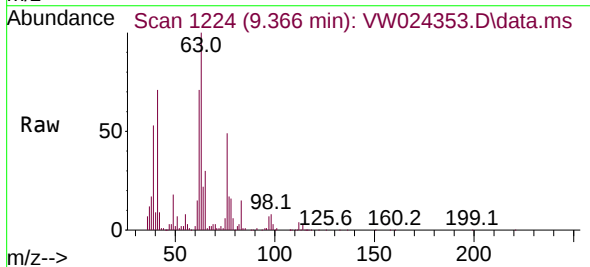
Instrument :
MSVOA_W
ClientSampleId :

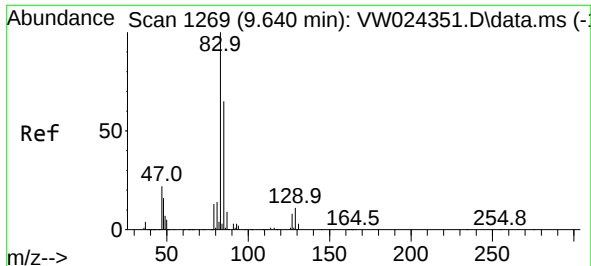
Tgt Ion: 83 Resp: 214834
Ion Ratio Lower Upper
83 100
55 73.5 60.1 90.1
98 49.0 40.5 60.7



#37
1,2-Dichloropropane
Concen: 13.119 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

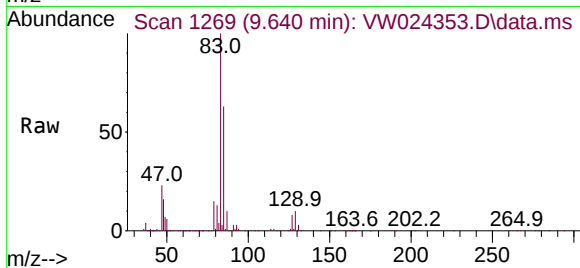
Tgt Ion: 63 Resp: 60363
Ion Ratio Lower Upper
63 100
112 4.9 3.4 5.0



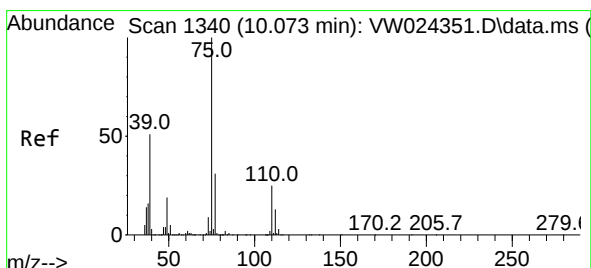
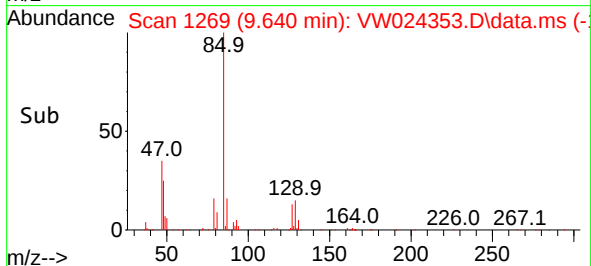
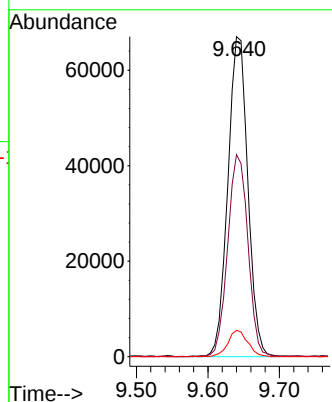


#38
Bromodichloromethane
Concen: 20.778 ug/L
RT: 9.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

Instrument :
MSVOA_W
ClientSampleId :

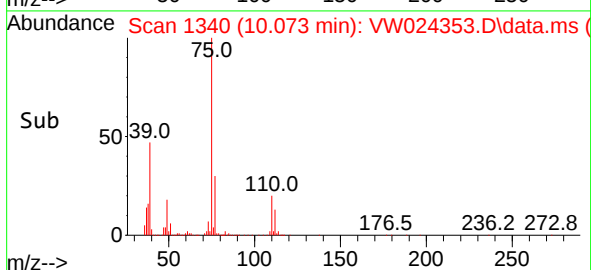
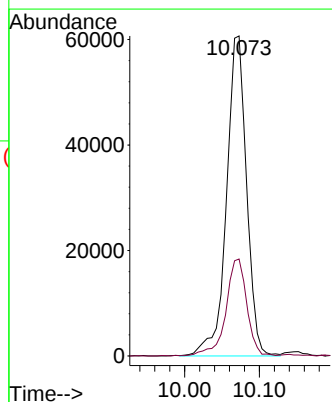
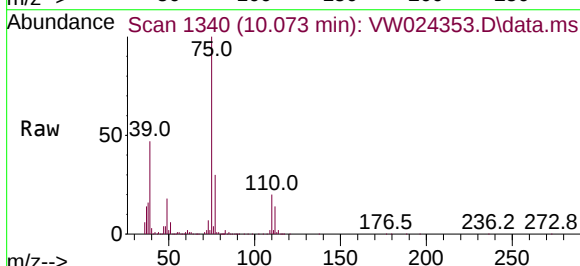


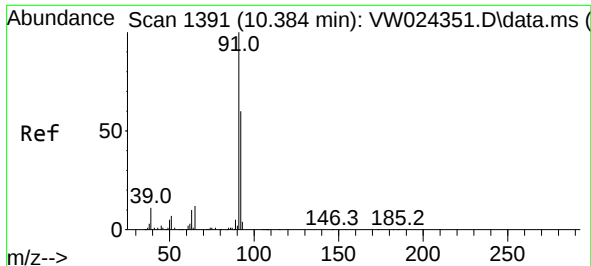
Tgt Ion: 83 Resp: 130196
Ion Ratio Lower Upper
83 100
85 63.2 46.3 85.9
127 8.2 6.7 10.1



#39
cis-1,3-Dichloropropene
Concen: 17.662 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

Tgt Ion: 75 Resp: 113604
Ion Ratio Lower Upper
75 100
77 30.3 21.8 40.6

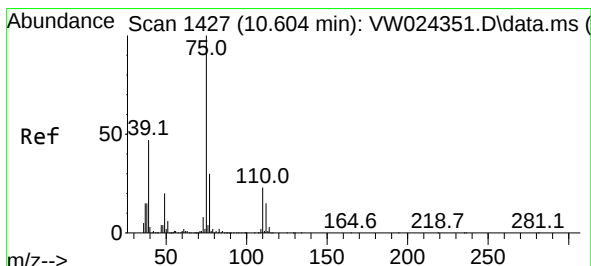
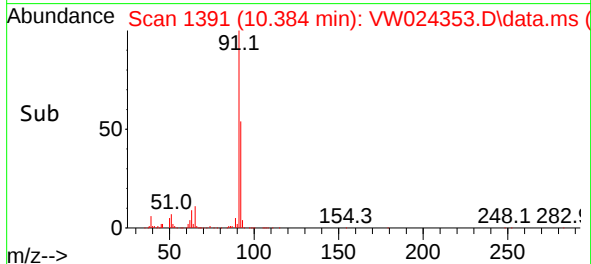
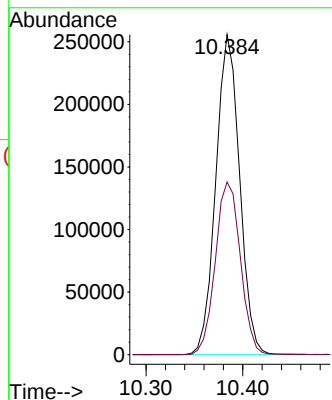
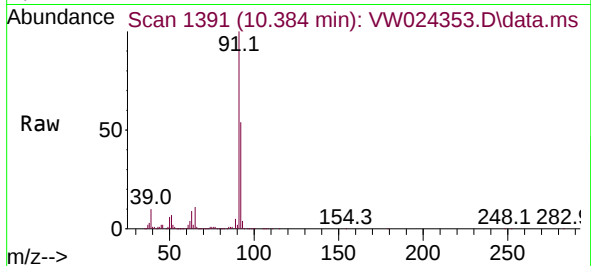




#42
Toluene
Concen: 22.190 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

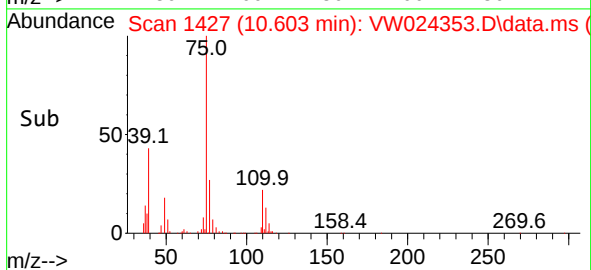
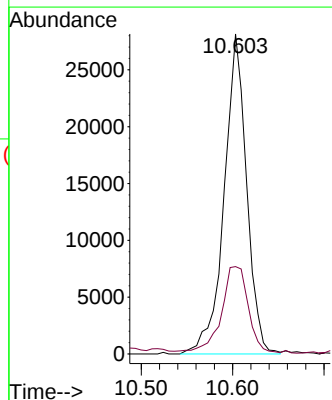
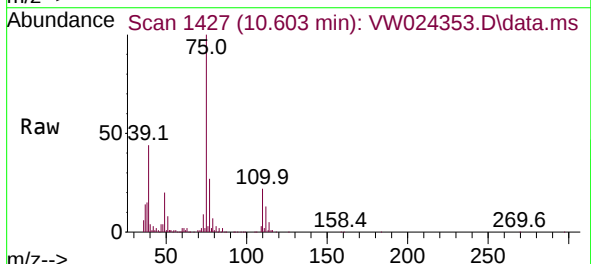
Instrument :
MSVOA_W
ClientSampleId :

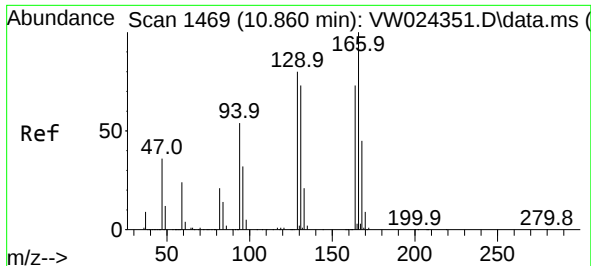
Tgt Ion: 91 Resp: 436631
Ion Ratio Lower Upper
91 100
92 53.9 40.0 74.4



#44
trans-1,3-Dichloropropene
Concen: 7.712 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

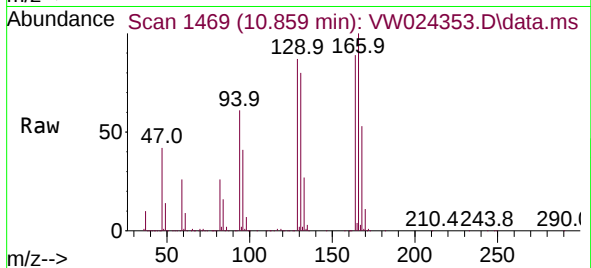
Tgt Ion: 75 Resp: 48199
Ion Ratio Lower Upper
75 100
77 27.3 21.1 39.1



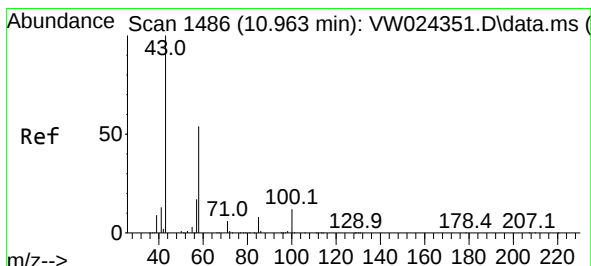
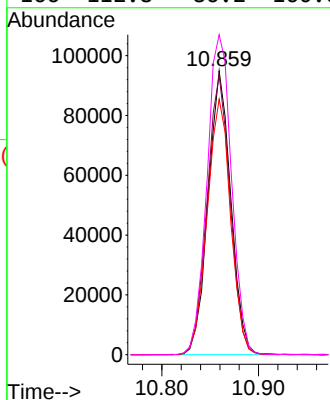
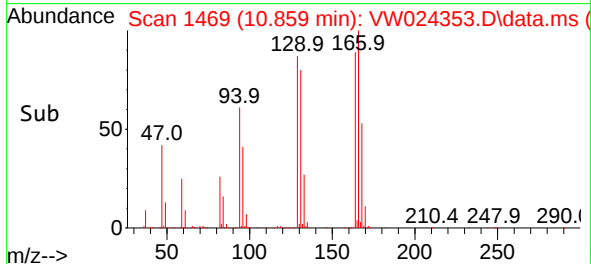


#46
Tetrachloroethene
Concen: 42.512 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

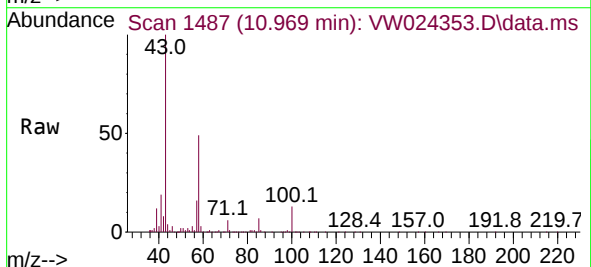
Instrument :
MSVOA_W
ClientSampleId :



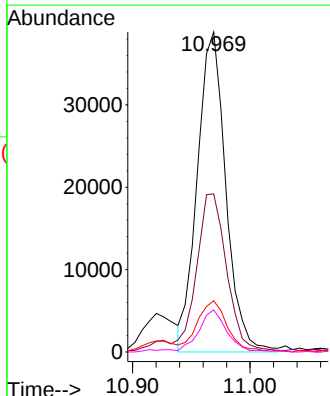
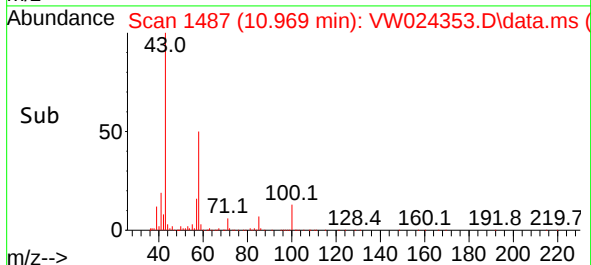
Tgt Ion:164 Resp: 155154
Ion Ratio Lower Upper
164 100
129 98.4 72.9 135.3
131 90.1 63.7 118.3
166 112.8 86.2 160.0

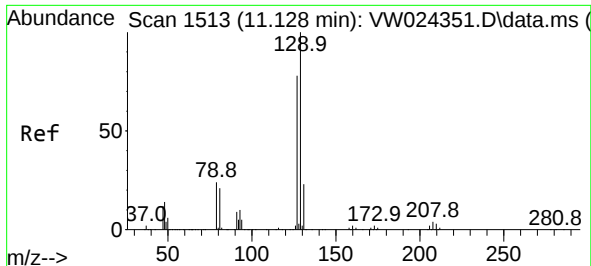


#48
2-Hexanone
Concen: 27.212 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02



Tgt Ion: 43 Resp: 65673
Ion Ratio Lower Upper
43 100
58 52.1 40.6 61.0
57 16.5 14.2 21.2
100 12.1 9.8 14.6





#49

Dibromochloromethane

Concen: 20.579 ug/L

RT: 11.128 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024353.D

Acq: 26 Aug 2022 16:02

Instrument :

MSVOA_W

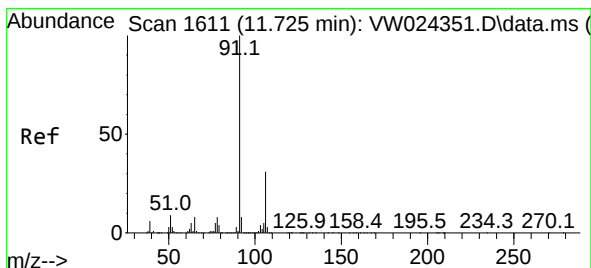
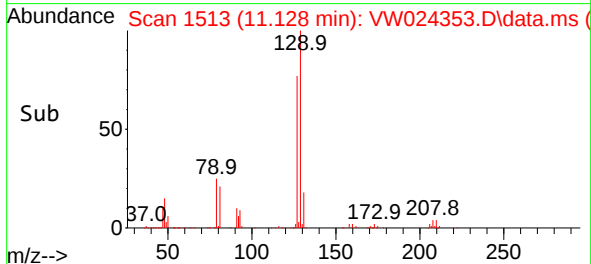
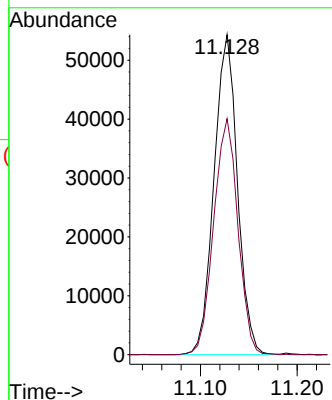
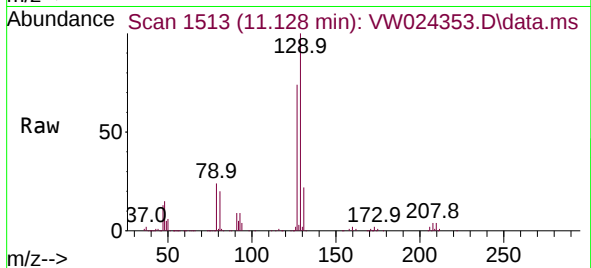
ClientSampleId :

Tgt Ion:129 Resp: 91330

Ion Ratio Lower Upper

129 100

127 73.7 54.6 101.4



#52

Ethylbenzene

Concen: 15.636 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.006 min

Lab File: VW024353.D

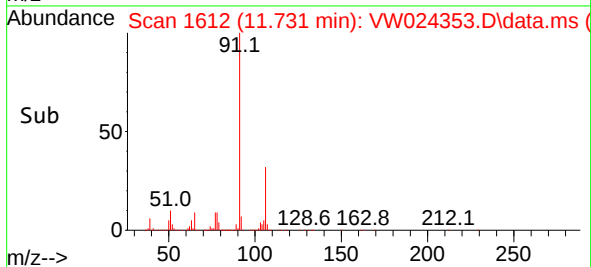
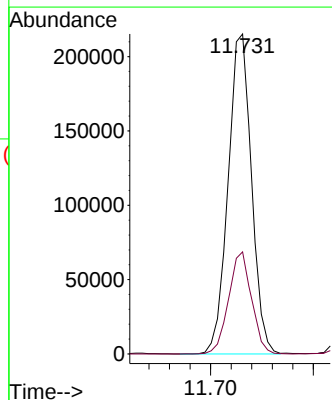
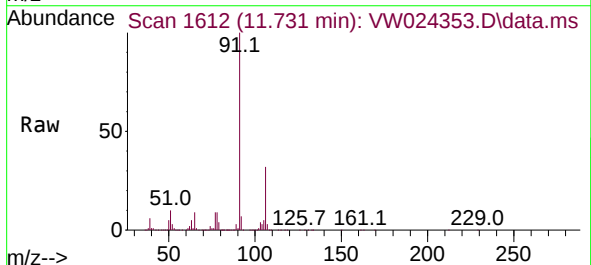
Acq: 26 Aug 2022 16:02

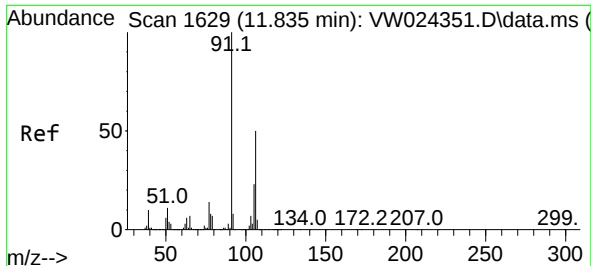
Tgt Ion: 91 Resp: 340140

Ion Ratio Lower Upper

91 100

106 31.9 22.7 42.3

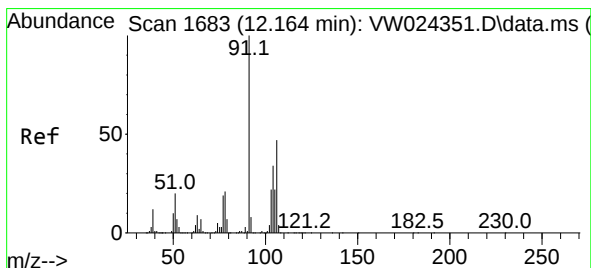
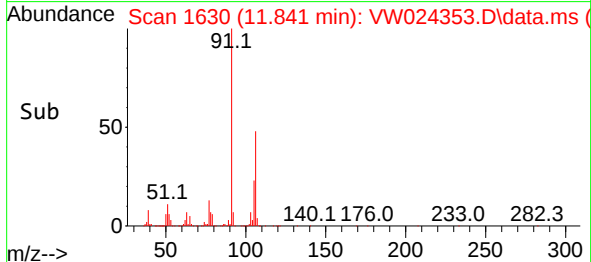
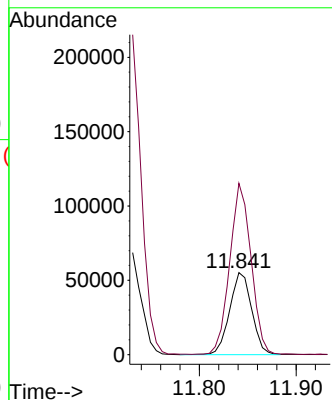
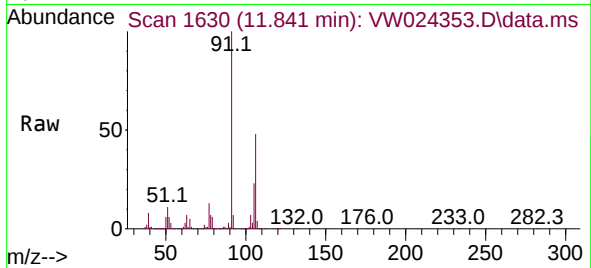




#53
m,p-Xylene
Concen: 10.226 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

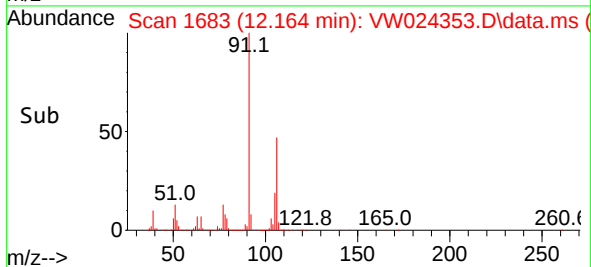
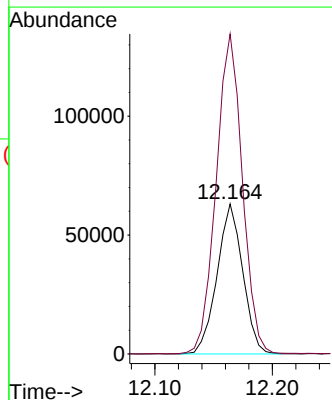
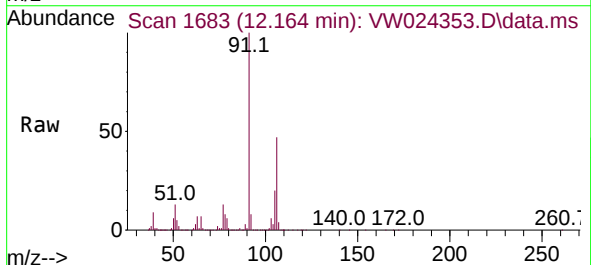
Instrument :
MSVOA_W
ClientSampleId :

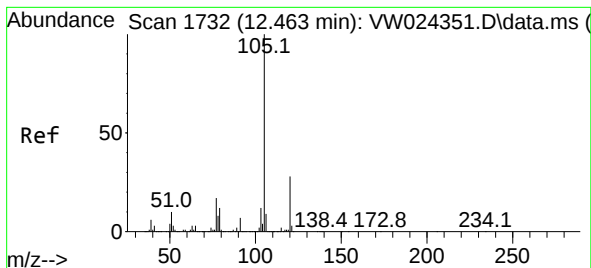
Tgt Ion:106 Resp: 87367
Ion Ratio Lower Upper
106 100
91 208.9 144.3 267.9



#54
o-Xylene
Concen: 11.982 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW024353.D
Acq: 26 Aug 2022 16:02

Tgt Ion:106 Resp: 95698
Ion Ratio Lower Upper
106 100
91 213.3 152.1 282.5





#60

Isopropylbenzene

Concen: 12.744 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024353.D

Acq: 26 Aug 2022 16:02

Instrument :

MSVOA_W

ClientSampleId :

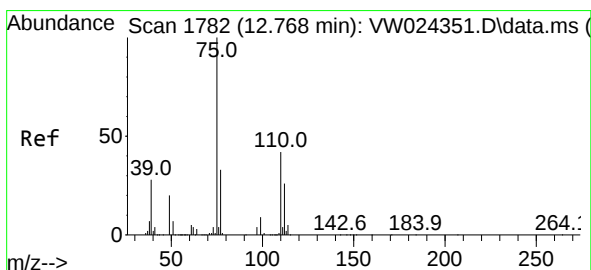
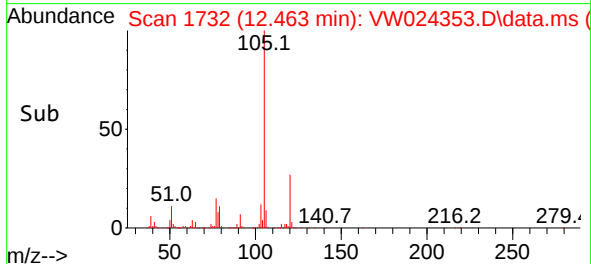
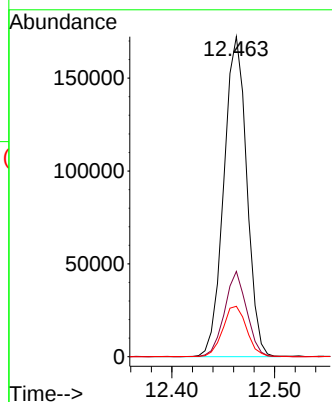
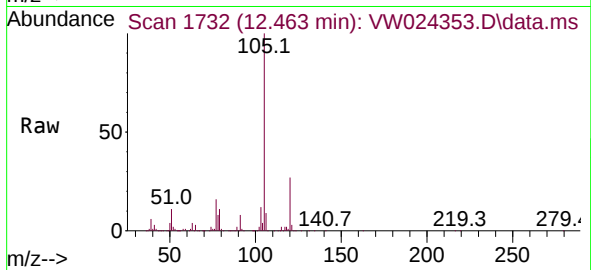
Tgt Ion:105 Resp: 266415

Ion Ratio Lower Upper

105 100

120 25.7 21.4 32.0

77 16.5 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.803 ug/L

RT: 12.743 min Scan# 1778

Delta R.T. -0.025 min

Lab File: VW024353.D

Acq: 26 Aug 2022 16:02

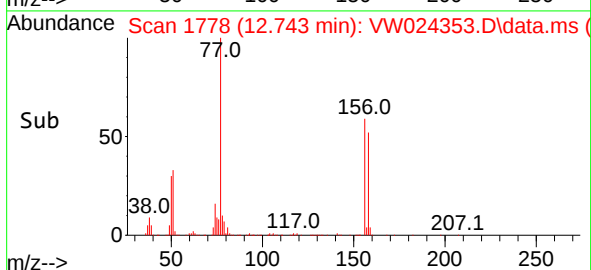
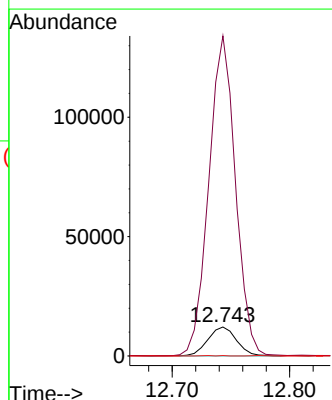
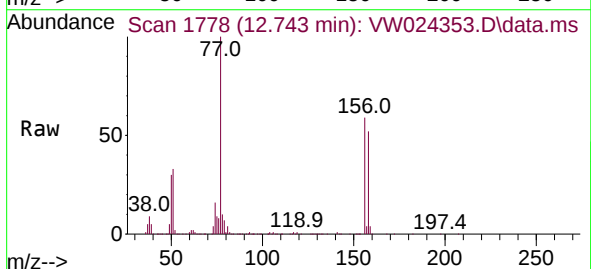
Tgt Ion: 75 Resp: 20653

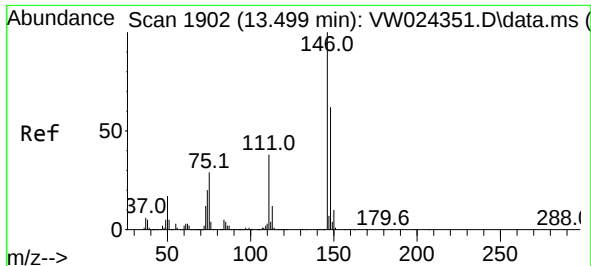
Ion Ratio Lower Upper

75 100

77 1024.8 26.5 39.7#

110 0.2 33.8 50.8#

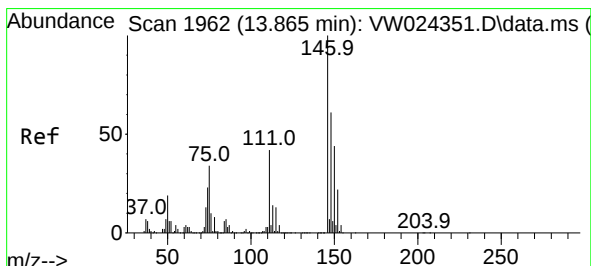
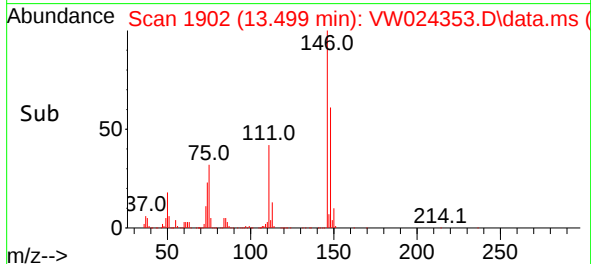
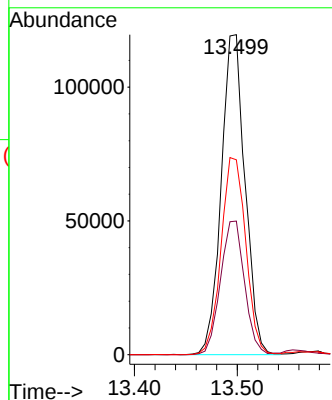
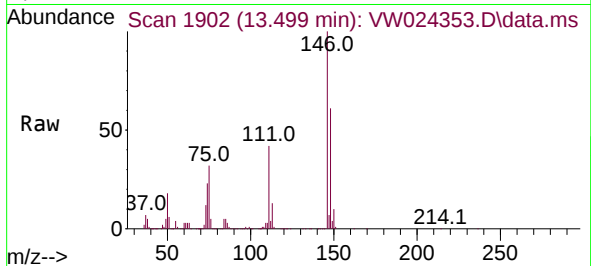




#64
 1,3-Dichlorobenzene
 Concen: 19.231 ug/L
 RT: 13.499 min Scan# 1902
 Delta R.T. -0.000 min
 Lab File: VW024353.D
 Acq: 26 Aug 2022 16:02

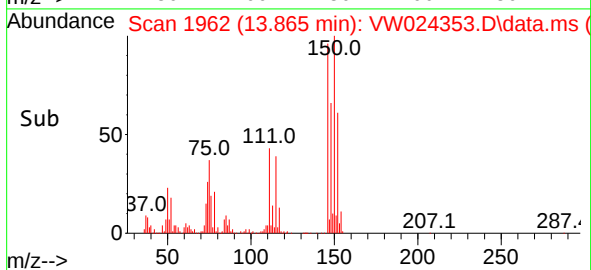
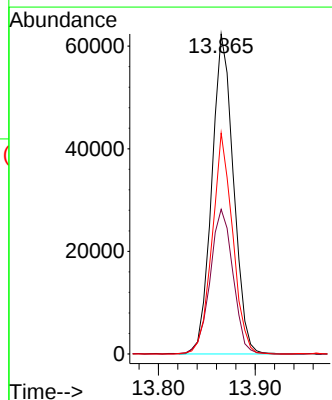
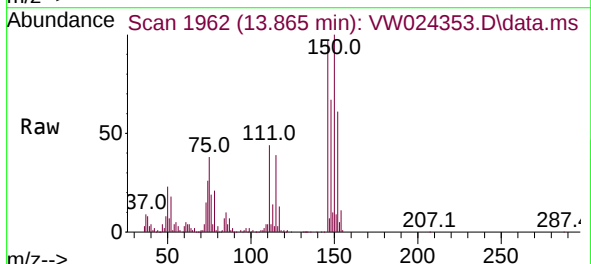
Instrument :
 MSVOA_W
 ClientSampleId :

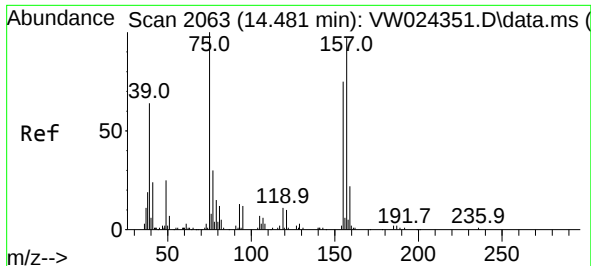
Tgt Ion:146 Resp: 192212
 Ion Ratio Lower Upper
 146 100
 111 41.8 27.0 50.2
 148 60.9 44.9 83.3



#67
 1,2-Dichlorobenzene
 Concen: 10.357 ug/L
 RT: 13.865 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VW024353.D
 Acq: 26 Aug 2022 16:02

Tgt Ion:146 Resp: 97032
 Ion Ratio Lower Upper
 146 100
 111 45.2 34.5 51.7
 148 69.1 50.6 75.8





#68

1,2-Dibromo-3-chloropropane

Concen: 17.630 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW024353.D

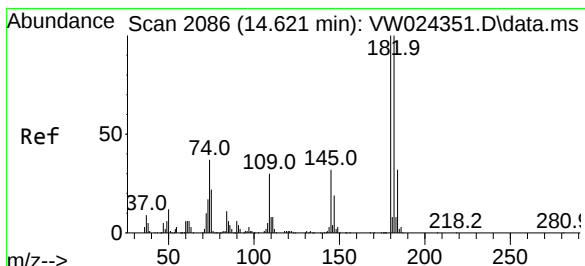
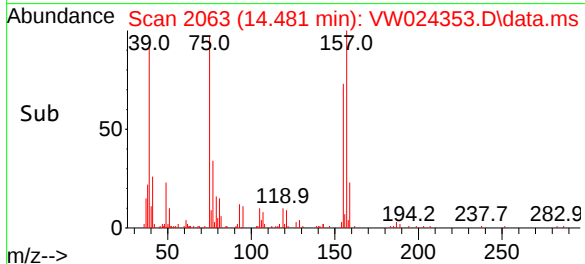
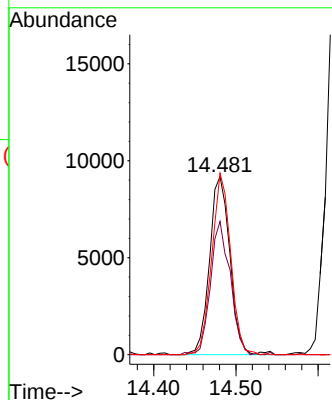
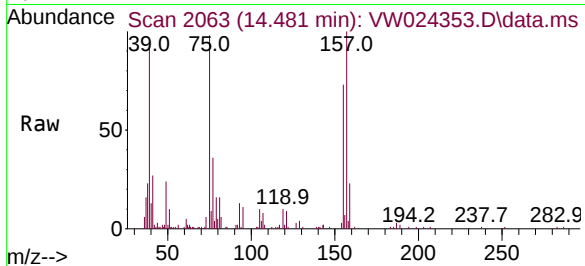
Acq: 26 Aug 2022 16:02

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	15765
Ion	Ratio	Lower	Upper
75	100		
155	74.9	63.9	95.9
157	101.9	72.2	108.4



#69

1,3,5-Trichlorobenzene

Concen: 26.570 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.006 min

Lab File: VW024353.D

Acq: 26 Aug 2022 16:02

Tgt Ion:	180	Resp:	171405
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.6	114.8
184	31.5	24.5	36.7
145	31.6	25.9	38.9

