

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082622\
 Data File : VW024377.D
 Acq On : 27 Aug 2022 04:07
 Operator : SY/VA
 Sample : N4345-01
 Misc : 5.83g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 27 05:43:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 27 02:57:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	81904	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.640	117	76546	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	45870	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.337	65	48656	21.551	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.200%
7) Chloroethane-d5	2.873	69	34320	20.288	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.160%
11) 1,1-Dichloroethene-d2	4.007	63	26803	13.688	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.760%
21) 2-Butanone-d5	7.080	46	15570	37.441	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.880%
24) Chloroform-d	7.653	84	46543	17.676	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.720%
26) 1,2-Dichloroethane-d4	8.305	65	36766	23.024	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.080%
32) Benzene-d6	8.275	84	92416	21.072	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.280%
36) 1,2-Dichloropropane-d6	9.275	67	32938	24.149	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.600%
41) Toluene-d8	10.329	98	79063	18.961	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.840%
43) trans-1,3-Dichloroprop...	10.579	79	12872	20.167	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.680%
47) 2-Hexanone-d5	10.732	63	116	0.380	ug/L	-0.19
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.760%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	31607	20.468	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.880%
66) 1,2-Dichlorobenzene-d4	13.853	152	30496	17.655	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.600%#
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	1150	4.634	ug/L	76
16) Methylene chloride	4.909	84	8261	6.014	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	8623	6.771	ug/L	87
25) Chloroform	7.677	83	1343	0.553	ug/L	99
31) Carbon tetrachloride	8.074	117	1553	0.941	ug/L #	50
34) Trichloroethene	9.092	95	63284	50.382	ug/L	96
39) cis-1,3-Dichloropropene	10.043	75	1334	0.776	ug/L #	74
42) Toluene	10.396	91	236648	44.995	ug/L	98
46) Tetrachloroethene	10.988	164	470394	482.198	ug/L	88
48) 2-Hexanone	10.963	43	13926	21.588	ug/L #	42
49) Dibromochloromethane	11.116	129	1784	1.504	ug/L #	10
51) Chlorobenzene	11.670	112	6692	1.896	ug/L	95
52) Ethylbenzene	11.738	91	36487	6.275	ug/L	90
53) m,p-Xylene	11.847	106	13480	5.903	ug/L	92
54) o-Xylene	12.164	106	21782	10.203	ug/L	81
60) Isopropylbenzene	12.463	105	426351	69.981	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	2004	1.932	ug/L #	73
62) 1,3,5-Trimethylbenzene	12.945	105	90262	18.374	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	120212	25.193	ug/L	99

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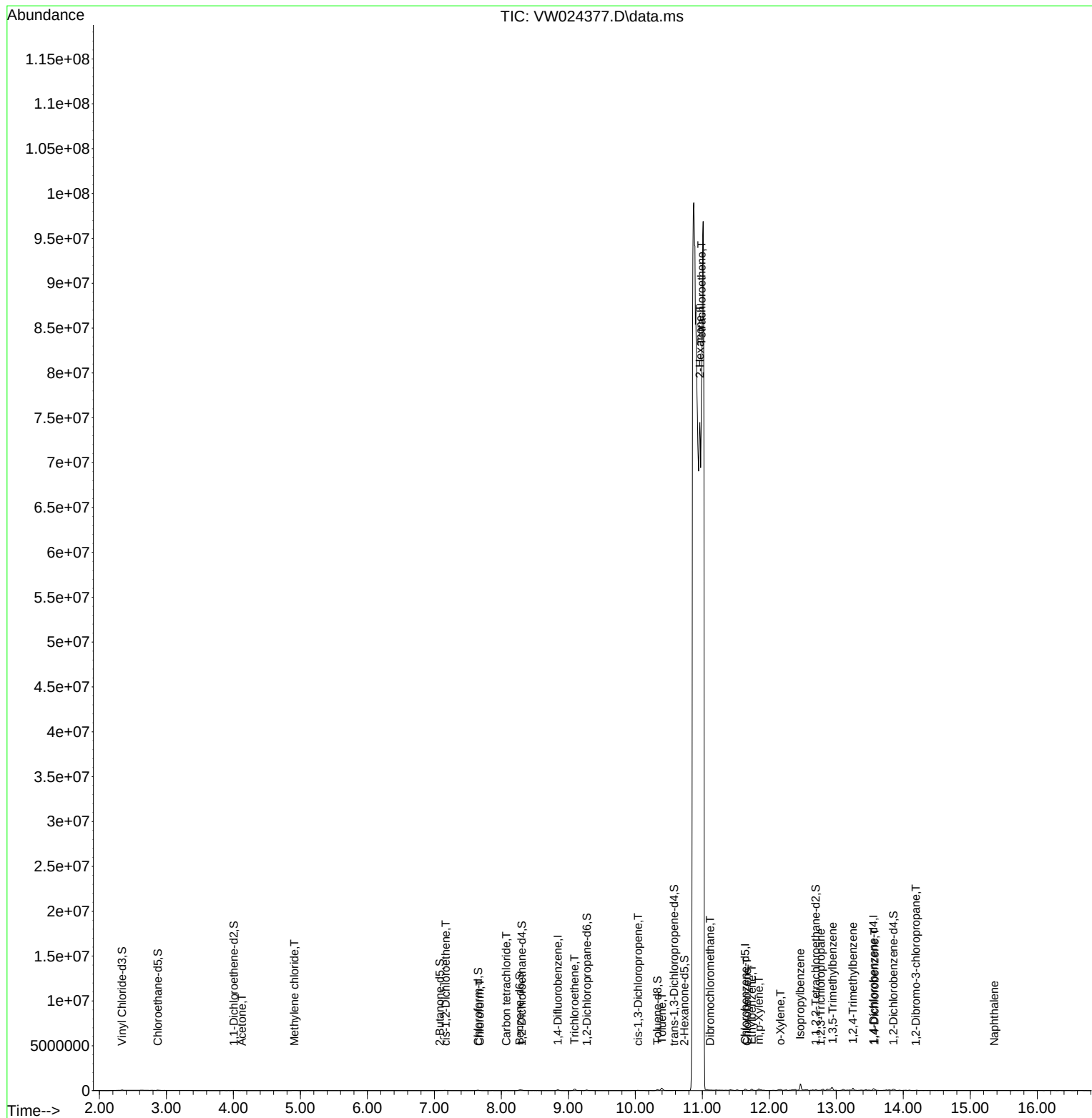
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	13.573	146	3722	1.210	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	14.188	75	1216	4.666	ug/L #	7
71) Naphthalene	15.359	128	4108	1.280	ug/L	97

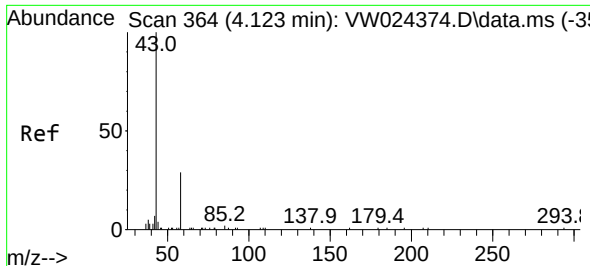
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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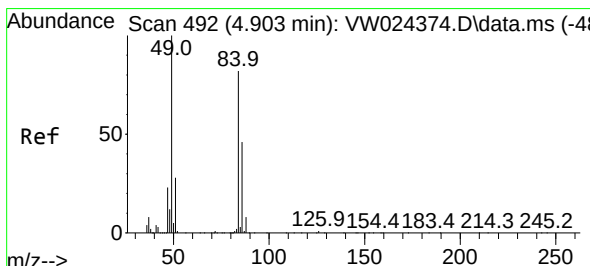
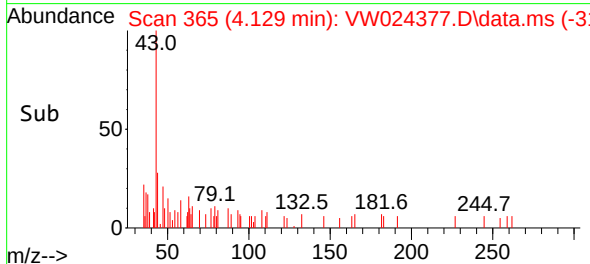
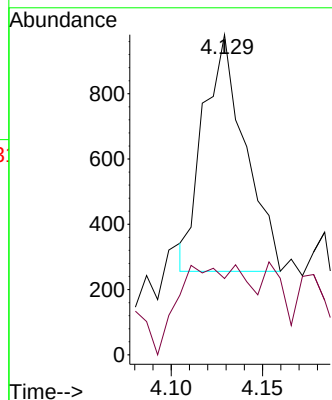
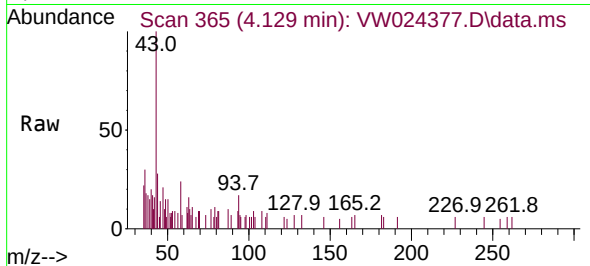




#13
Acetone
Concen: 4.634 ug/L
RT: 4.129 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

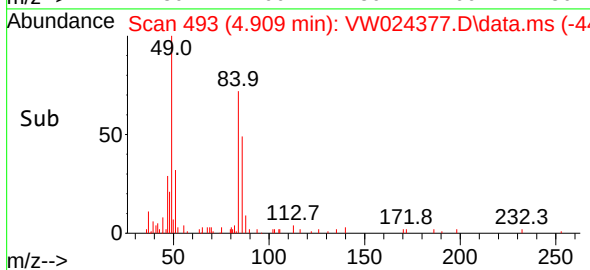
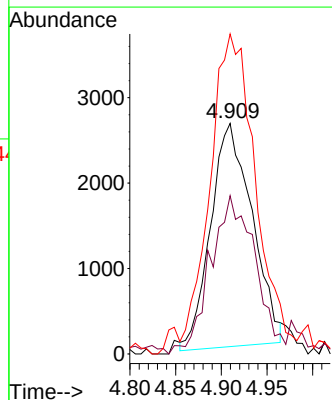
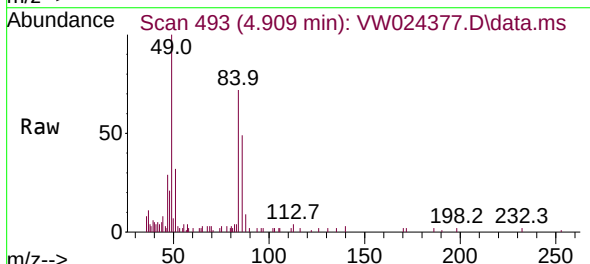
Instrument :
MSVOA_W
ClientSampleId :

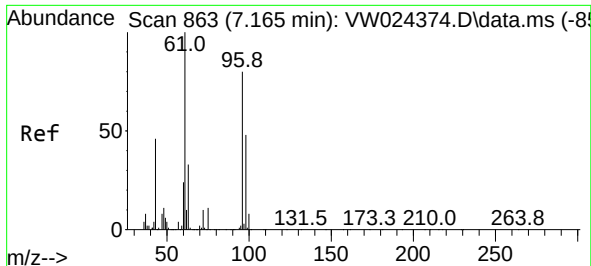
Tgt Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
58 42.3 0.0 58.4



#16
Methylene chloride
Concen: 6.014 ug/L
RT: 4.909 min Scan# 493
Delta R.T. 0.006 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

Tgt Ion: 84 Resp: 8261
Ion Ratio Lower Upper
84 100
86 68.6 47.7 88.7
49 138.7 96.6 179.4

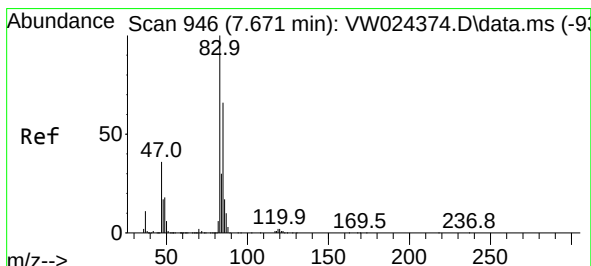
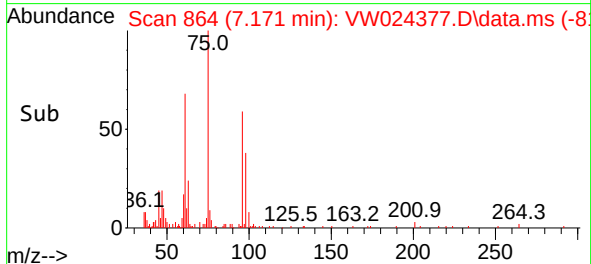
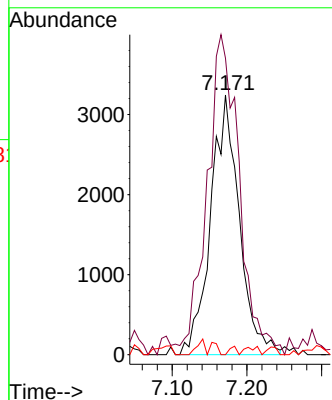
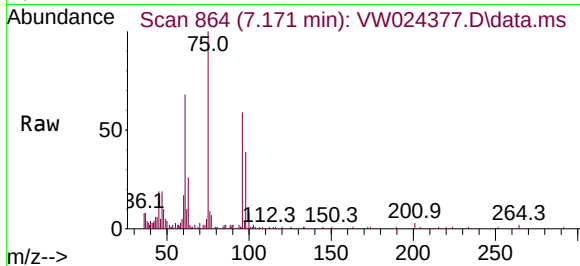




#20
 cis-1,2-Dichloroethene
 Concen: 6.771 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.006 min
 Lab File: VW024377.D
 Acq: 27 Aug 2022 04:07

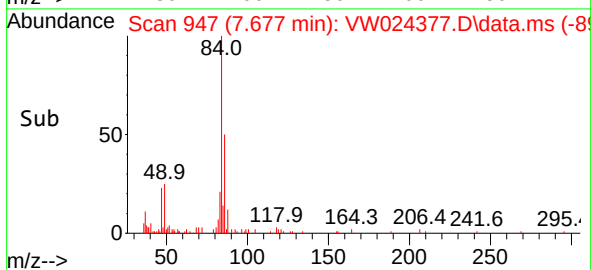
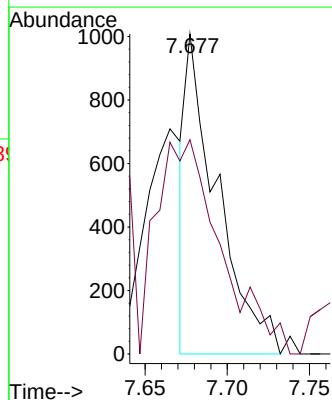
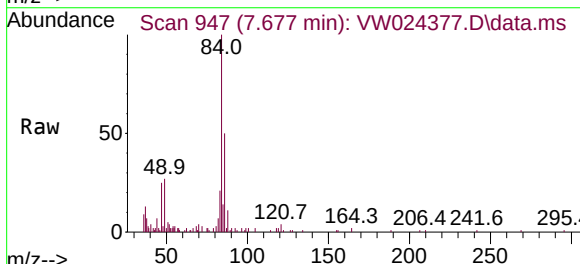
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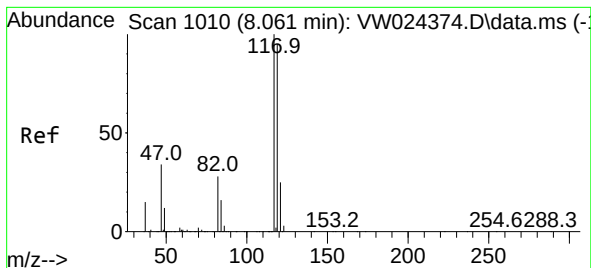
Tgt Ion: 96 Resp: 8623
 Ion Ratio Lower Upper
 96 100
 61 114.1 90.2 167.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.553 ug/L
 RT: 7.677 min Scan# 947
 Delta R.T. 0.006 min
 Lab File: VW024377.D
 Acq: 27 Aug 2022 04:07

Tgt Ion: 83 Resp: 1343
 Ion Ratio Lower Upper
 83 100
 85 67.0 47.5 88.1





#31

Carbon tetrachloride

Concen: 0.941 ug/L

RT: 8.074 min Scan# 1010

Delta R.T. 0.012 min

Lab File: VW024377.D

Acq: 27 Aug 2022 04:07

Instrument :

MSVOA_W

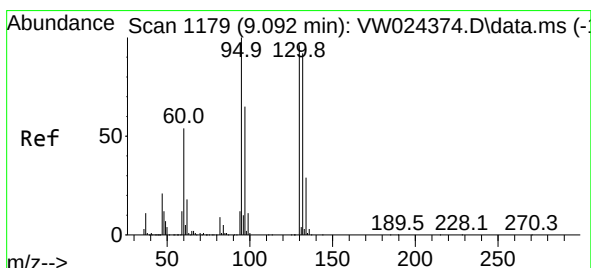
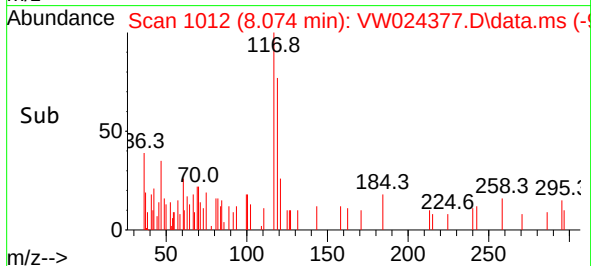
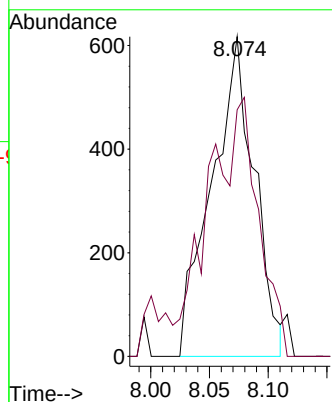
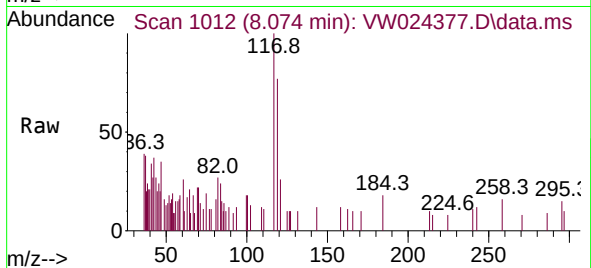
ClientSampleId :

Tgt Ion:117 Resp: 1553

Ion Ratio Lower Upper

117 100

119 46.7 75.9 113.9#



#34

Trichloroethene

Concen: 50.382 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW024377.D

Acq: 27 Aug 2022 04:07

Tgt Ion: 95 Resp: 63284

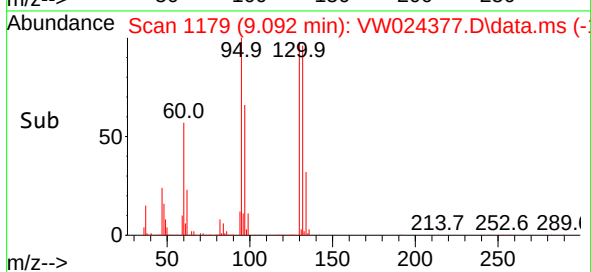
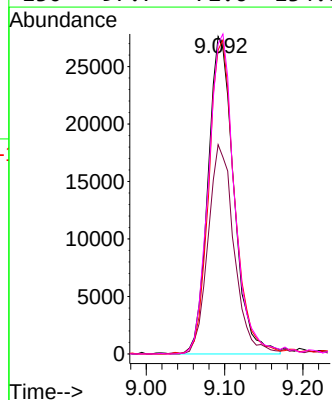
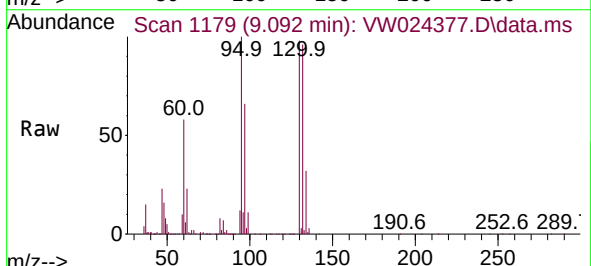
Ion Ratio Lower Upper

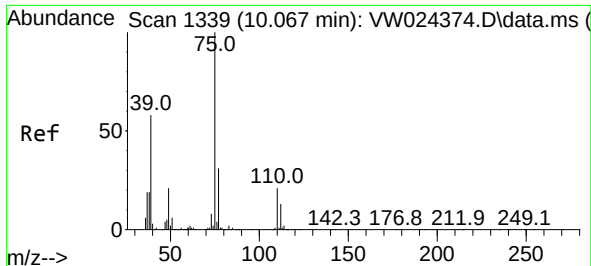
95 100

97 66.0 48.4 89.8

132 95.8 68.6 127.4

130 97.7 72.6 134.8





#39

cis-1,3-Dichloropropene

Concen: 0.776 ug/L

RT: 10.043 min Scan# 1335

Delta R.T. -0.024 min

Lab File: VW024377.D

Acq: 27 Aug 2022 04:07

Instrument :

MSVOA_W

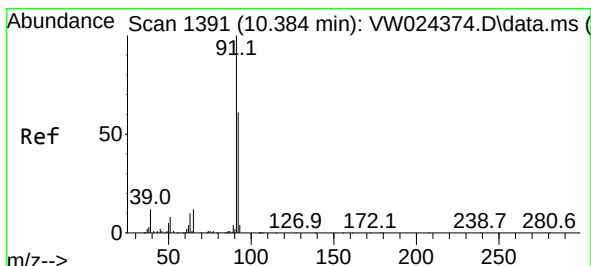
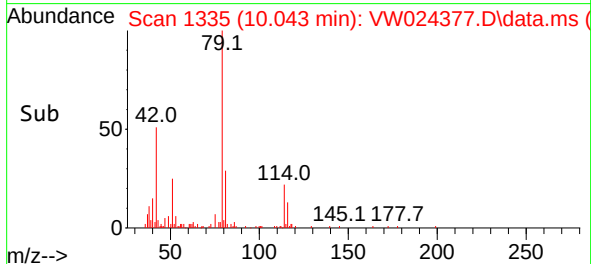
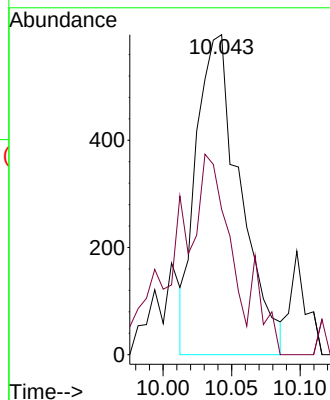
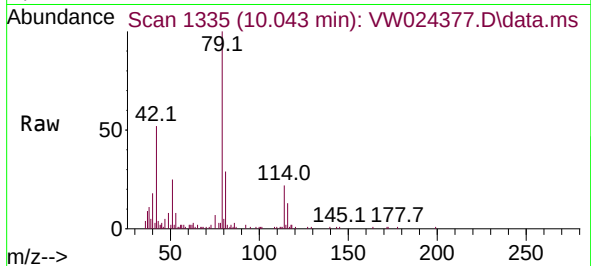
ClientSampleId :

Tgt Ion: 75 Resp: 1334

Ion Ratio Lower Upper

75 100

77 45.4 21.8 40.6#



#42

Toluene

Concen: 44.995 ug/L

RT: 10.396 min Scan# 1393

Delta R.T. 0.012 min

Lab File: VW024377.D

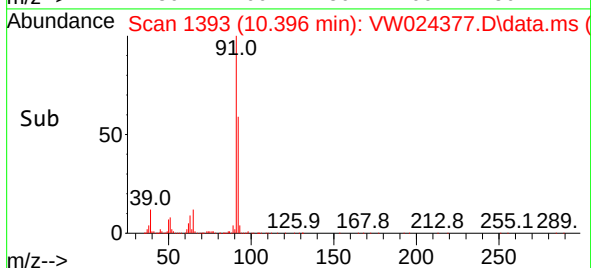
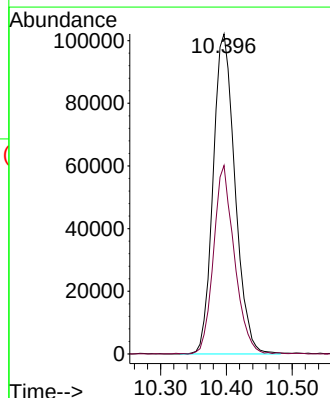
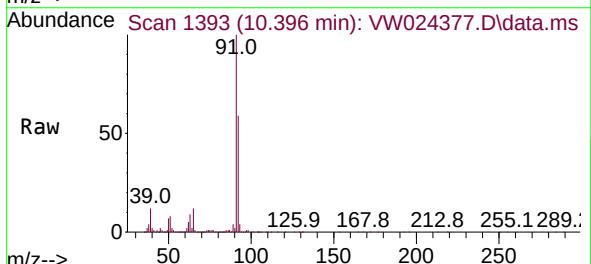
Acq: 27 Aug 2022 04:07

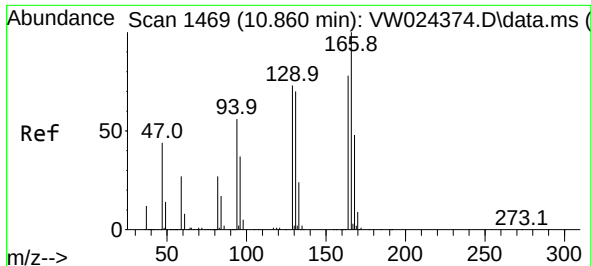
Tgt Ion: 91 Resp: 236648

Ion Ratio Lower Upper

91 100

92 58.9 40.0 74.4

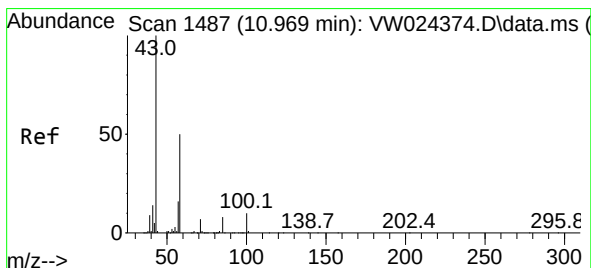
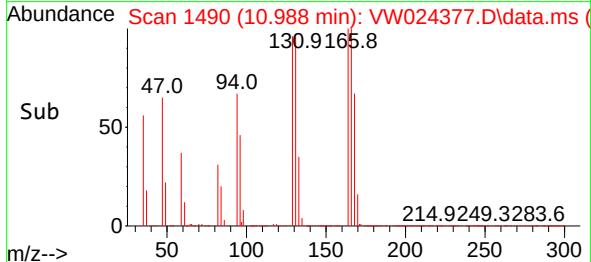
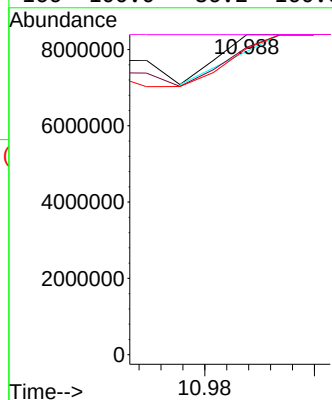
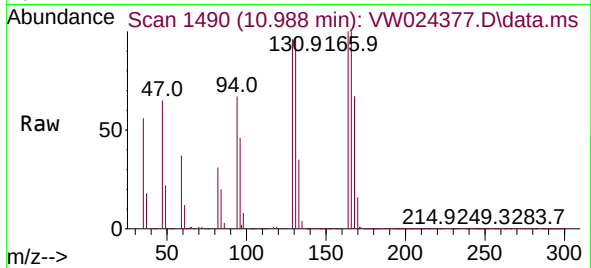




#46
Tetrachloroethene
Concen: 482.198 ug/L
RT: 10.988 min Scan# 1469
Delta R.T. 0.128 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

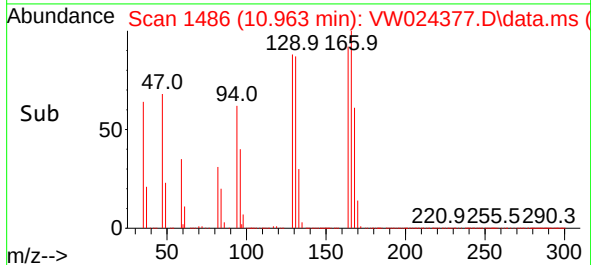
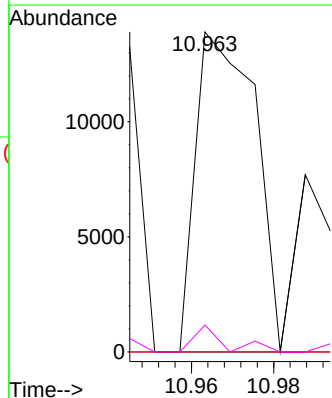
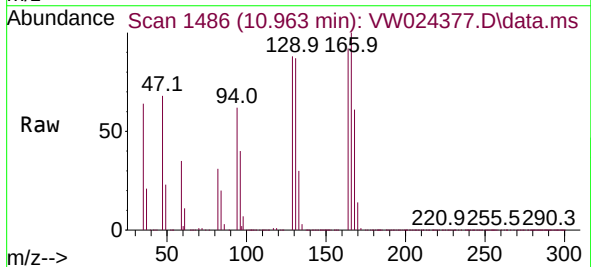
Instrument :
MSVOA_W
ClientSampleId :

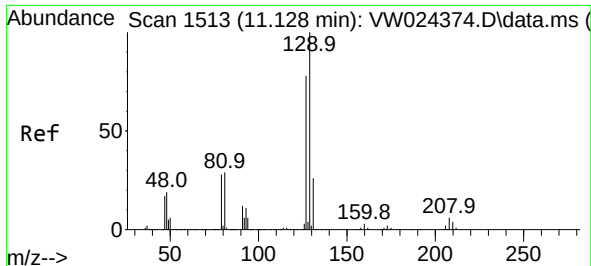
Tgt Ion:164 Resp: 470394
Ion Ratio Lower Upper
164 100
129 96.0 72.9 135.3
131 95.7 63.7 118.3
166 100.0 86.2 160.0



#48
2-Hexanone
Concen: 21.588 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW024377.D
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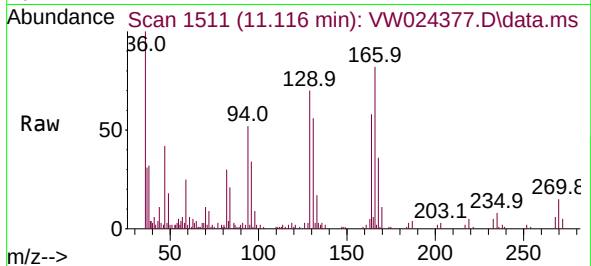
Tgt Ion: 43 Resp: 13926
Ion Ratio Lower Upper
43 100
58 0.0 40.6 61.0#
57 0.0 14.2 21.2#
100 3.1 9.8 14.6#



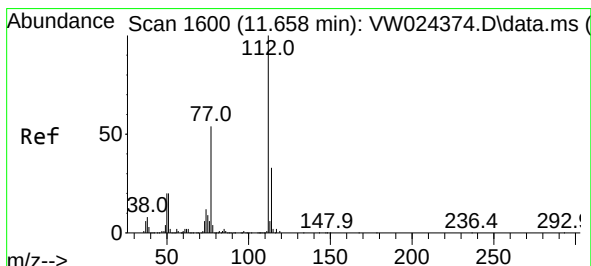
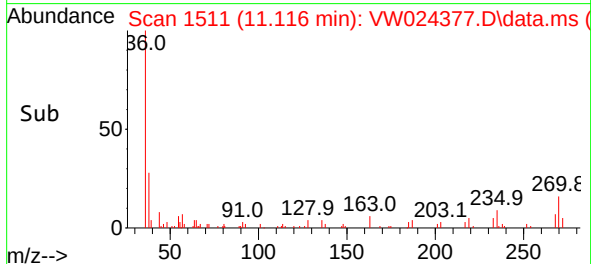
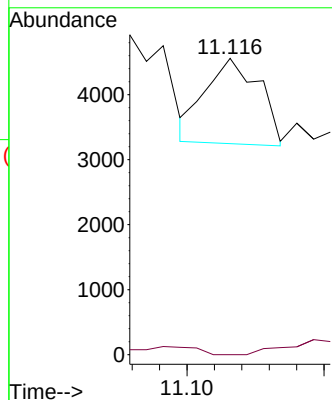


#49
Dibromochloromethane
Concen: 1.504 ug/L
RT: 11.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

Instrument :
MSVOA_W
ClientSampleId :

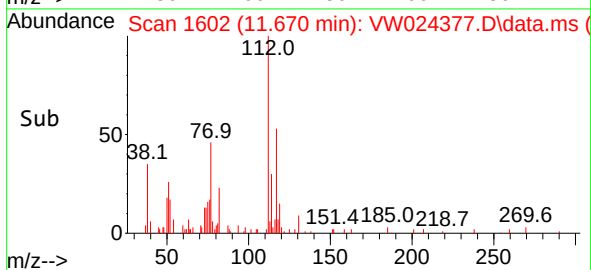
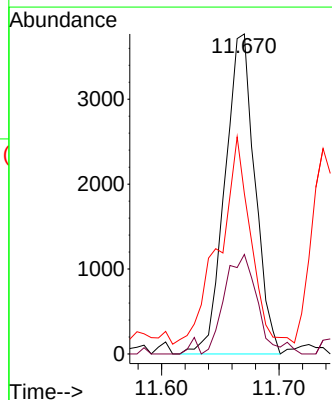
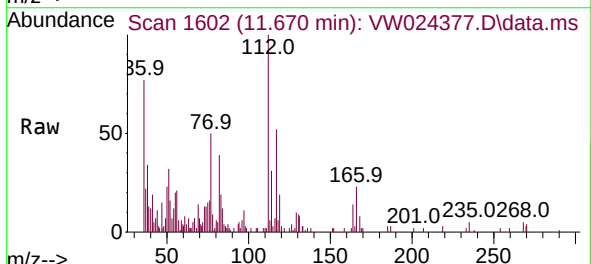


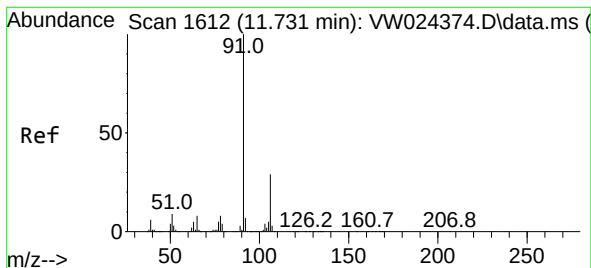
Tgt Ion:129 Resp: 1784
Ion Ratio Lower Upper
129 100
127 0.0 54.6 101.4#



#51
Chlorobenzene
Concen: 1.896 ug/L
RT: 11.670 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

Tgt Ion:112 Resp: 6692
Ion Ratio Lower Upper
112 100
114 31.1 22.3 41.3
77 50.2 44.1 66.1

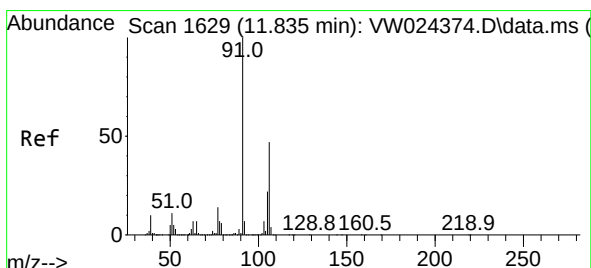
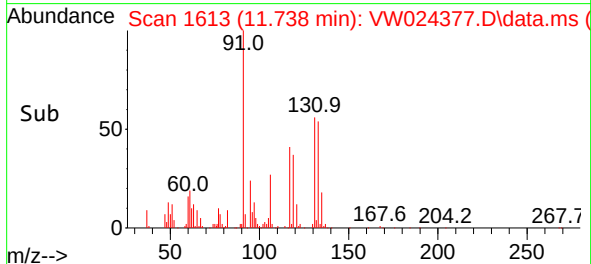
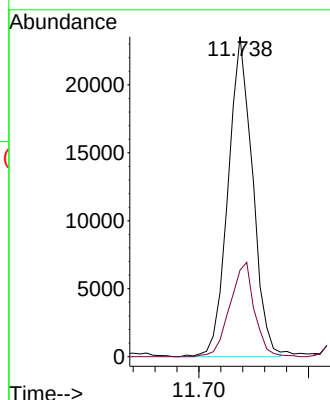
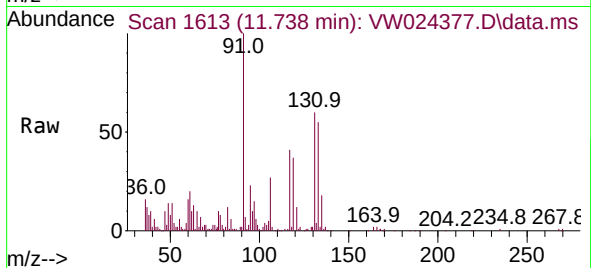




#52
Ethylbenzene
Concen: 6.275 ug/L
RT: 11.738 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

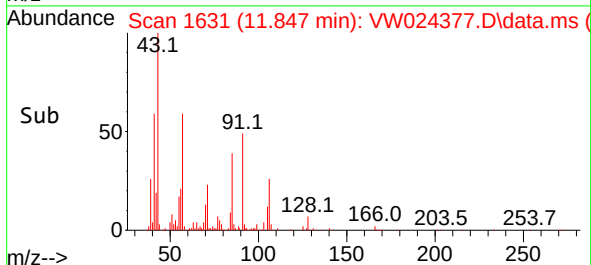
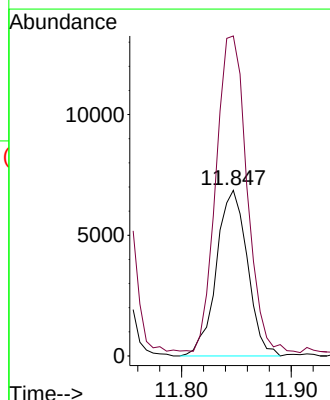
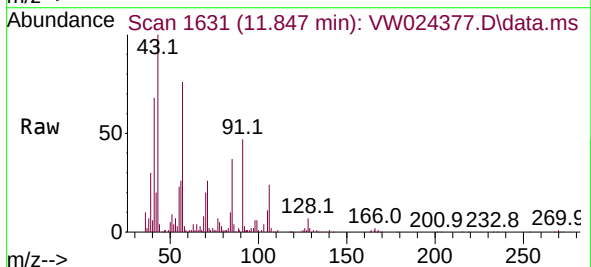
Instrument :
MSVOA_W
ClientSampleId :

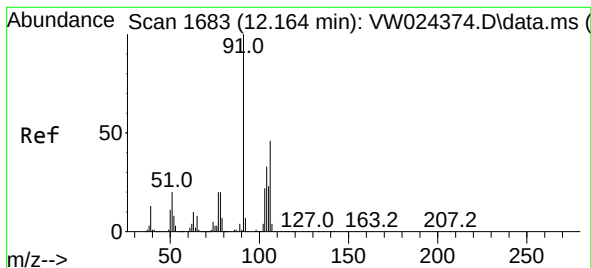
Tgt Ion: 91 Resp: 36487
Ion Ratio Lower Upper
91 100
106 27.0 22.7 42.3



#53
m,p-Xylene
Concen: 5.903 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.012 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

Tgt Ion: 106 Resp: 13480
Ion Ratio Lower Upper
106 100
91 193.2 144.3 267.9

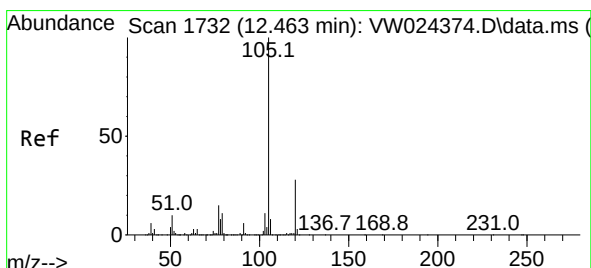
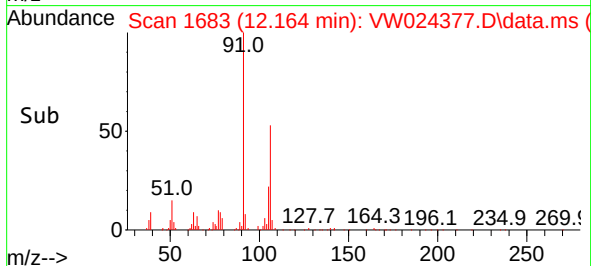
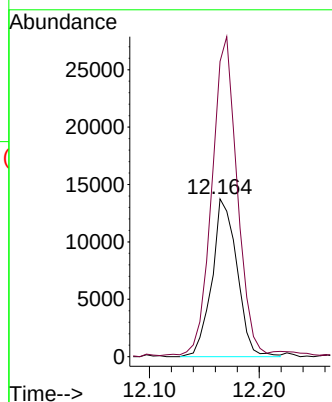
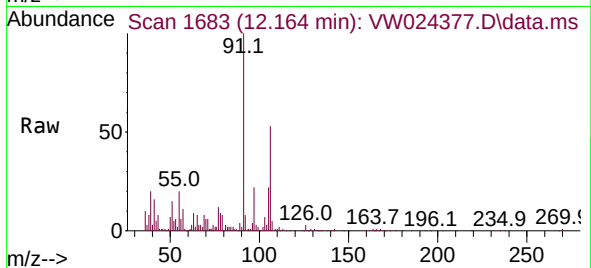




#54
o-Xylene
Concen: 10.203 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

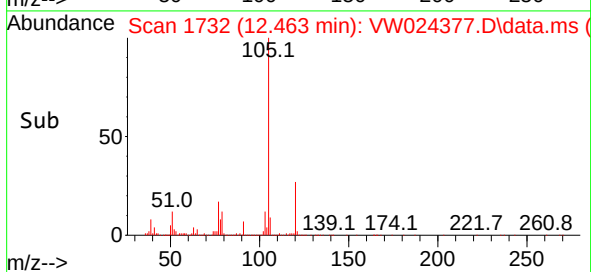
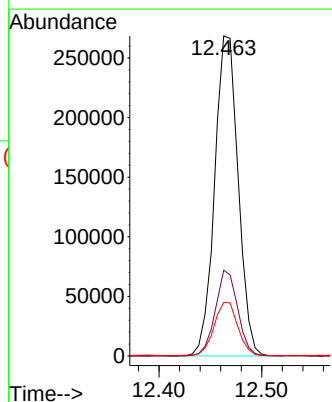
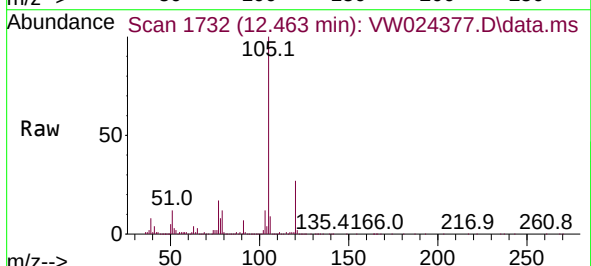
Instrument :
MSVOA_W
ClientSampleId :

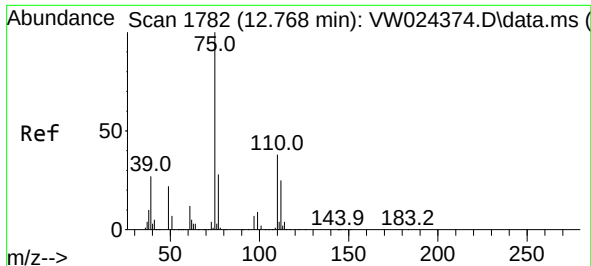
Tgt Ion:106 Resp: 21782
Ion Ratio Lower Upper
106 100
91 187.1 152.1 282.5



#60
Isopropylbenzene
Concen: 69.981 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

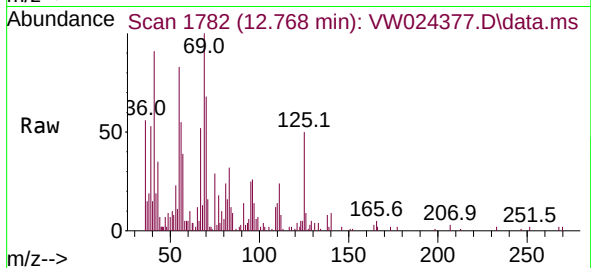
Tgt Ion:105 Resp: 426351
Ion Ratio Lower Upper
105 100
120 25.5 21.4 32.0
77 17.1 13.0 19.6



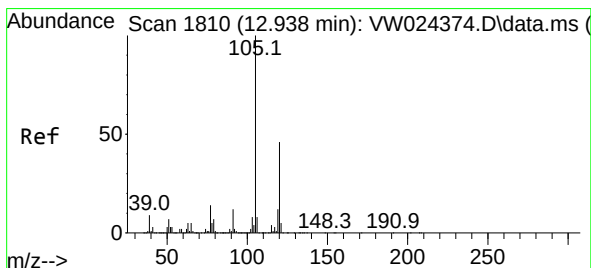
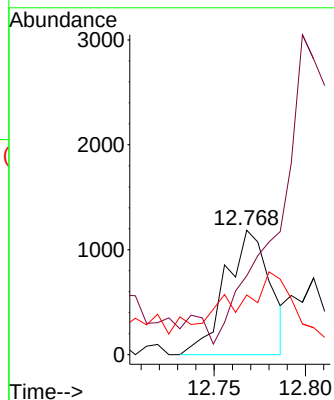
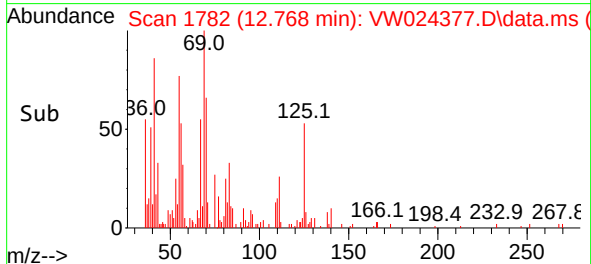


#61
1,2,3-Trichloropropane
Concen: 1.932 ug/L
RT: 12.768 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

Instrument :
MSVOA_W
ClientSampleId :

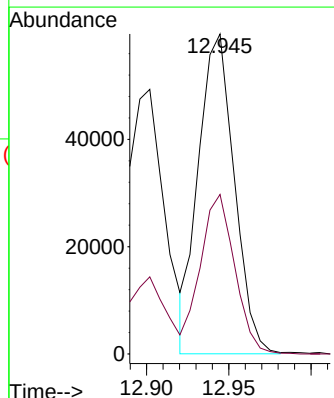
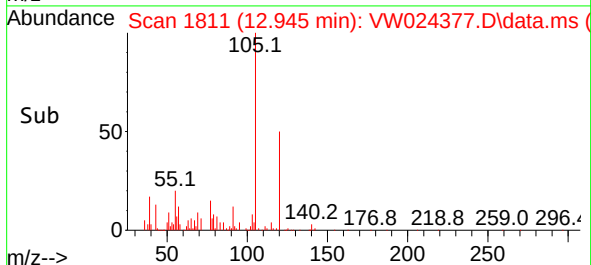
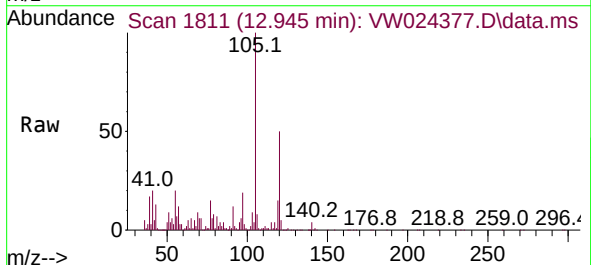


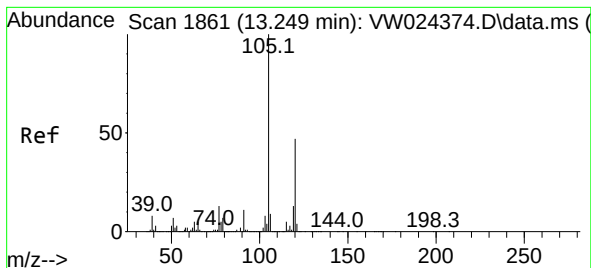
Tgt Ion: 75 Resp: 2004
Ion Ratio Lower Upper
75 100
77 0.0 26.5 39.7#
110 43.9 33.8 50.8



#62
1,3,5-Trimethylbenzene
Concen: 18.374 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW024377.D
Acq: 27 Aug 2022 04:07

Tgt Ion:105 Resp: 90262
Ion Ratio Lower Upper
105 100
120 48.1 38.4 57.6





#63

1,2,4-Trimethylbenzene

Concen: 25.193 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW024377.D

Acq: 27 Aug 2022 04:07

Instrument :

MSVOA_W

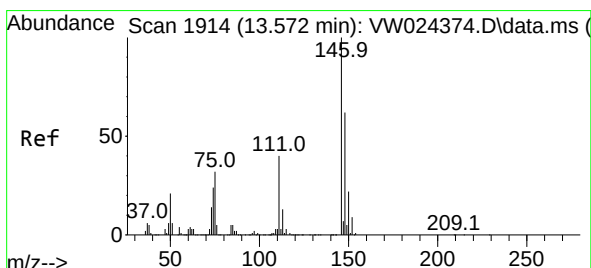
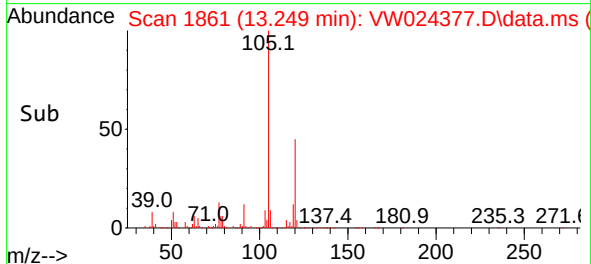
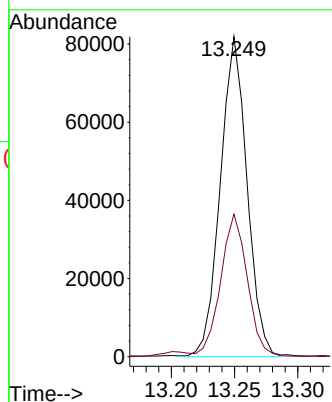
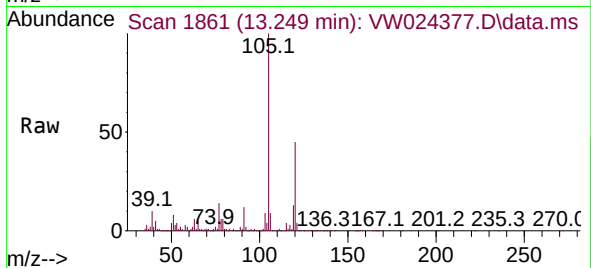
ClientSampleId :

Tgt Ion:105 Resp: 120212

Ion Ratio Lower Upper

105 100

120 44.3 36.2 54.2



#65

1,4-Dichlorobenzene

Concen: 1.210 ug/L

RT: 13.573 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW024377.D

Acq: 27 Aug 2022 04:07

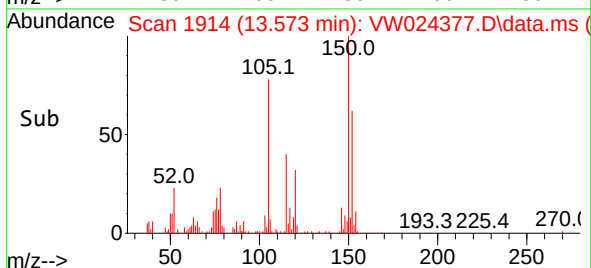
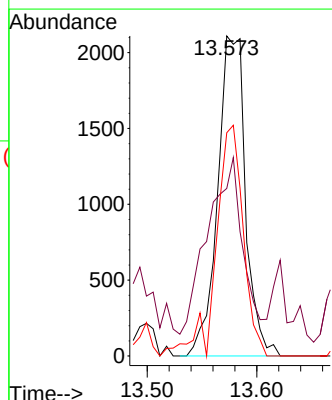
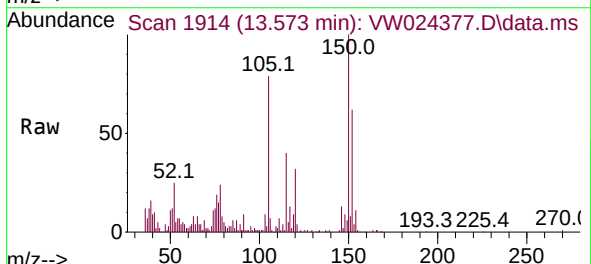
Tgt Ion:146 Resp: 3722

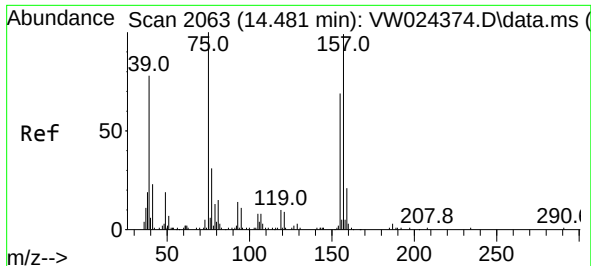
Ion Ratio Lower Upper

146 100

111 52.4 27.7 51.5#

148 69.8 46.5 86.5





#68

1,2-Dibromo-3-chloropropane

Concen: 4.666 ug/L

RT: 14.188 min Scan# 2063

Delta R.T. -0.293 min

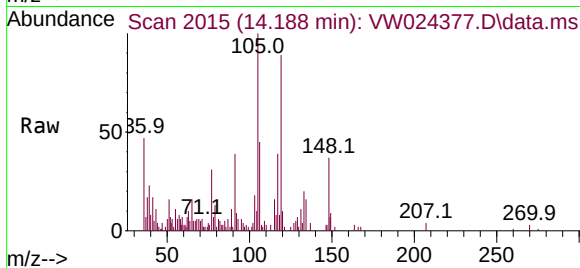
Lab File: VW024377.D

Acq: 27 Aug 2022 04:07

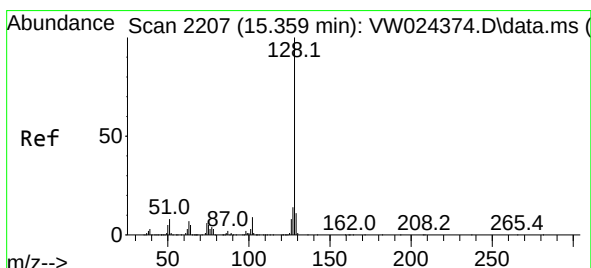
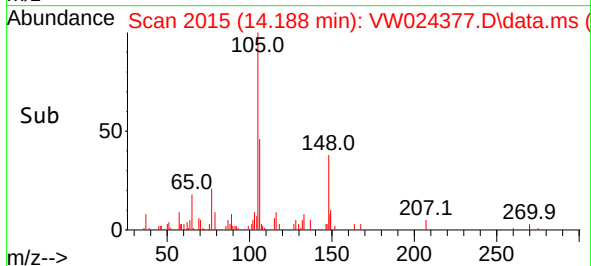
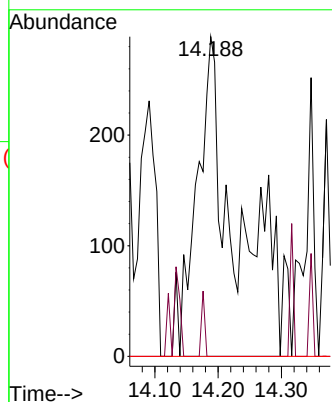
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	1216
Ion Ratio	Lower	Upper	
75	100		
155	0.0	63.9	95.9#
157	0.0	72.2	108.4#



#71

Naphthalene

Concen: 1.280 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW024377.D

Acq: 27 Aug 2022 04:07

Tgt Ion:	128	Resp:	4108
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.5	15.7
129	11.7	8.3	12.5

