

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101022\
 Data File : VD074508.D
 Acq On : 10 Oct 2022 17:51
 Operator : VA/SY
 Sample : N5066-18
 Misc : 6.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 08:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	107099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	193574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	144275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	39764	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	55644	58.478	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.960%
35) Dibromofluoromethane	7.805	113	64483	50.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.040%
50) Toluene-d8	10.269	98	230079	49.371	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.569	95	49213	31.922	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.840%

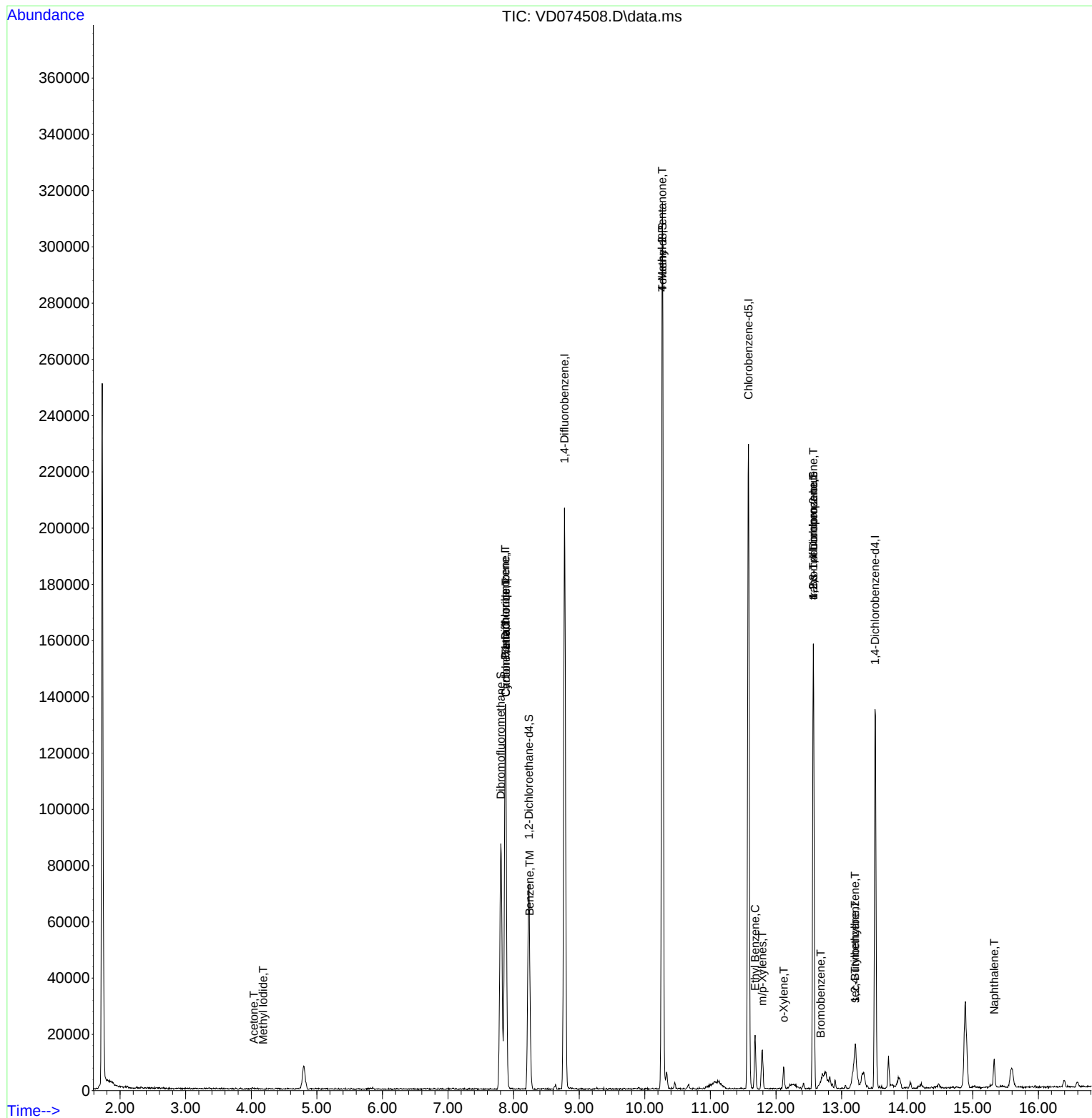
Target Compounds					Qvalue	
10) Methyl Iodide	4.181	142	54	5.844	ug/l #	43
16) Acetone	4.040	43	739	14.654	ug/l #	37
31) Cyclohexane	7.881	56	2113	1.106	ug/l #	22
36) 1,1-Dichloropropene	7.875	75	8309	4.638	ug/l #	47
38) Carbon Tetrachloride	7.881	117	9919	6.247	ug/l #	19
40) Benzene	8.246	78	7487	1.439	ug/l	95
51) 4-Methyl-2-Pentanone	10.263	43	696	1.248	ug/l #	1
67) Ethyl Benzene	11.681	91	14314	2.754	ug/l	97
68) m/p-Xylenes	11.793	106	5075	2.485	ug/l	96
69) o-Xylene	12.116	106	2254	1.201	ug/l	86
76) 1,2,3-Trichloropropane	12.569	75	24913	81.617	ug/l #	1
77) Bromobenzene	12.681	156	2396	3.604	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	24913	182.097	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.204	105	3750	1.580	ug/l	86
85) sec-Butylbenzene	13.204	105	3750	1.171	ug/l #	56
95) Naphthalene	15.328	128	10173	7.180	ug/l	97

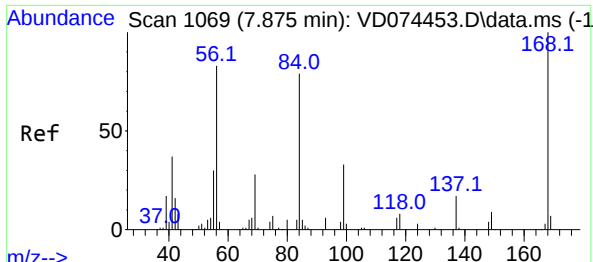
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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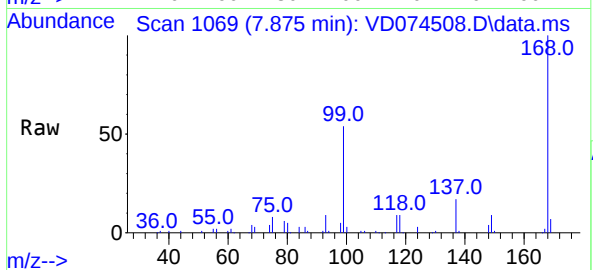
Quant Time: Oct 11 08:21:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 01:54:40 2022
Response via : Initial Calibration



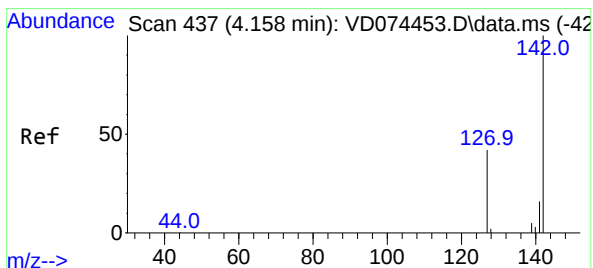
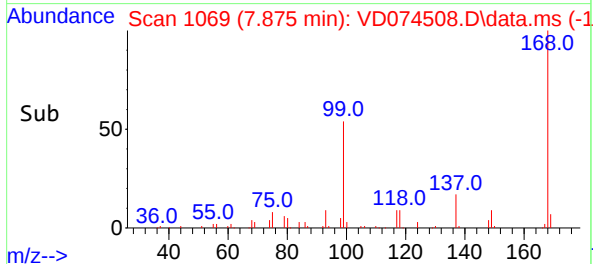
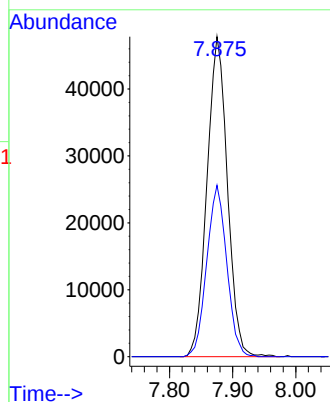


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Instrument :
MSVOA_D
ClientSampleId :

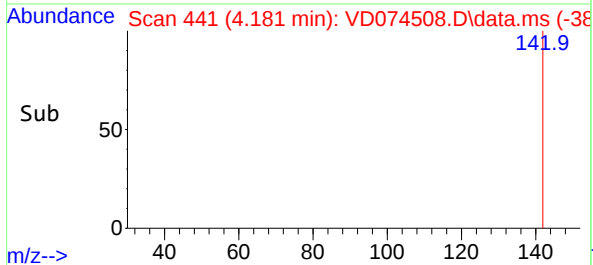
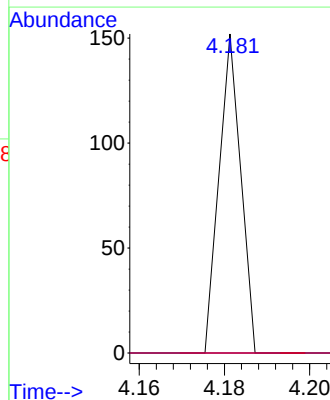
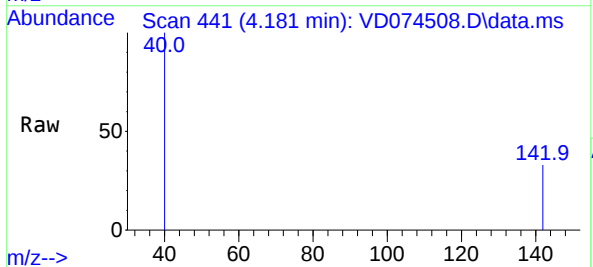


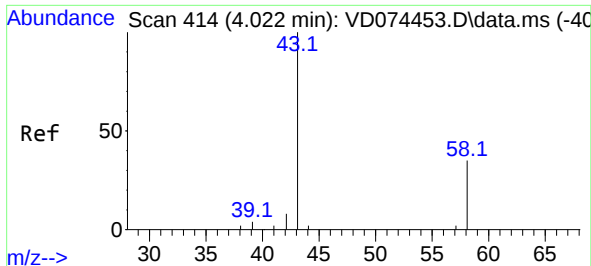
Tgt Ion:168 Resp: 107099
Ion Ratio Lower Upper
168 100
99 53.5 40.9 61.3



#10
Methyl Iodide
Concen: 5.844 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.023 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

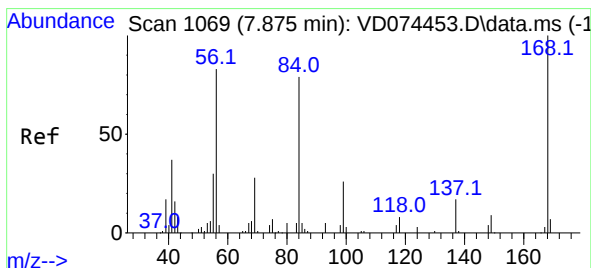
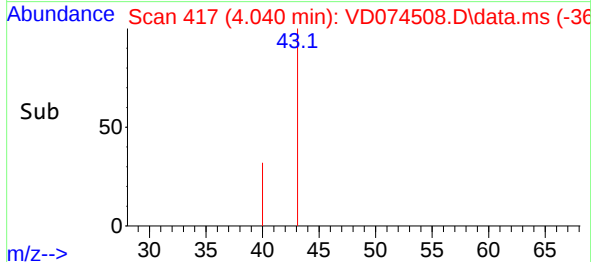
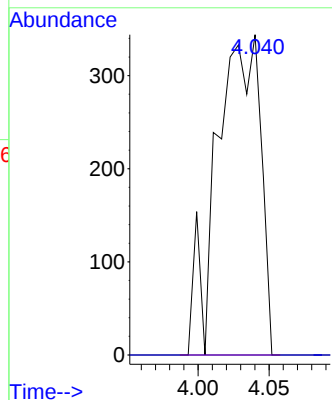
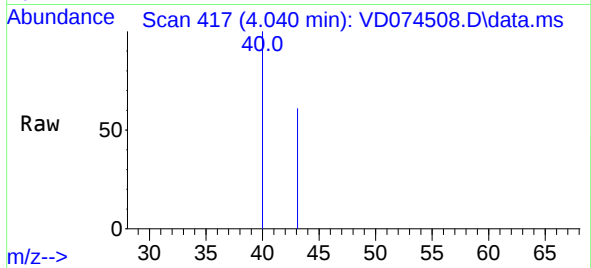




#16
Acetone
Concen: 14.654 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

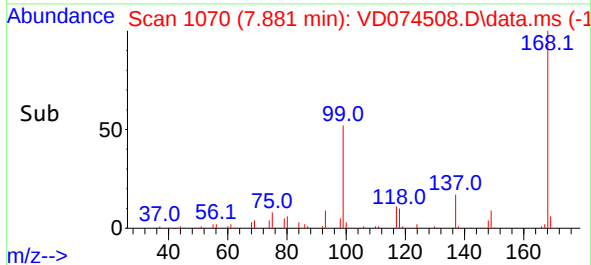
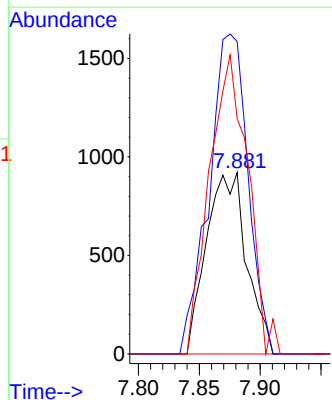
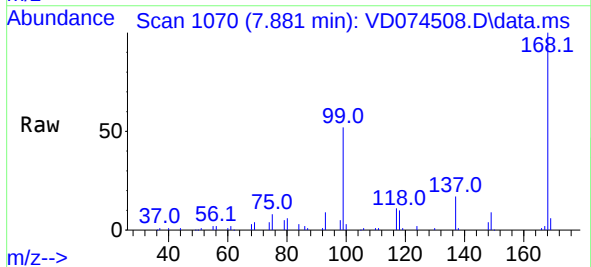
Instrument :
MSVOA_D
ClientSampleId :

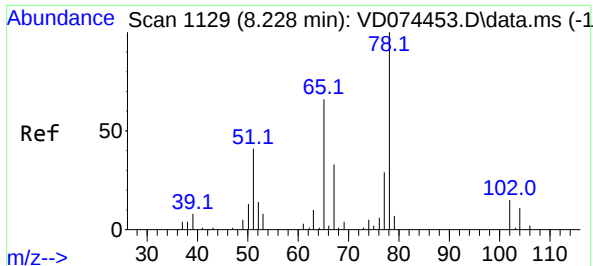
Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 56 Resp: 2113
Ion Ratio Lower Upper
56 100
69 172.1 29.2 43.8#
84 129.6 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 58.478 ug/l

RT: 8.234 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074508.D

Acq: 10 Oct 2022 17:51

Instrument :

MSVOA_D

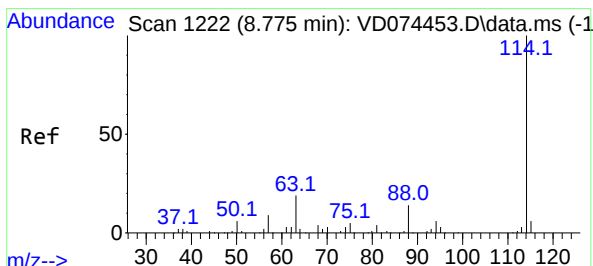
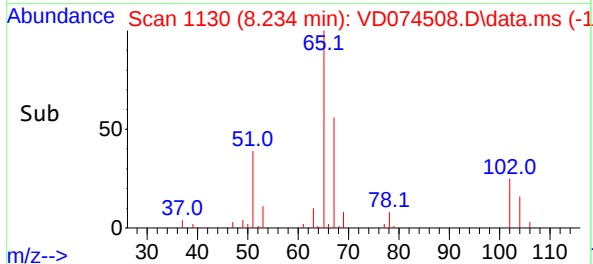
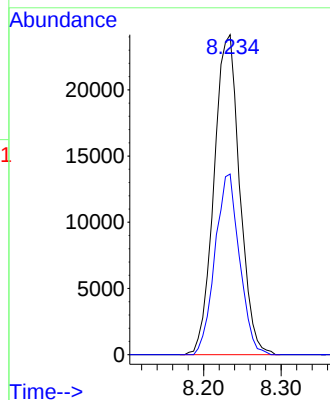
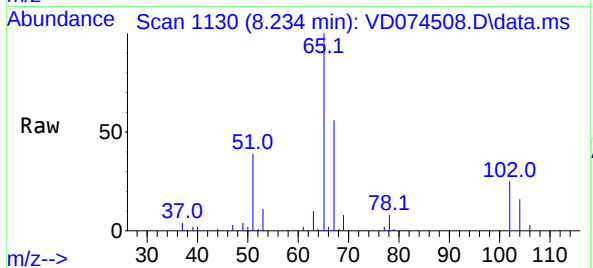
ClientSampleId :

Tgt Ion: 65 Resp: 55644

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074508.D

Acq: 10 Oct 2022 17:51

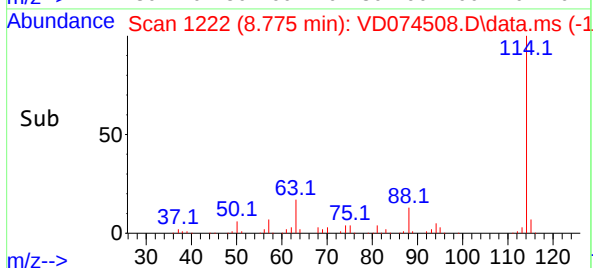
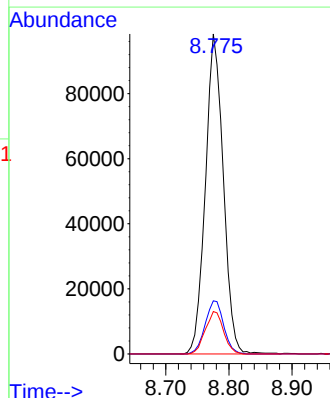
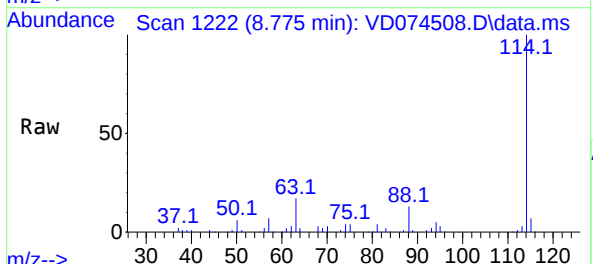
Tgt Ion:114 Resp: 193574

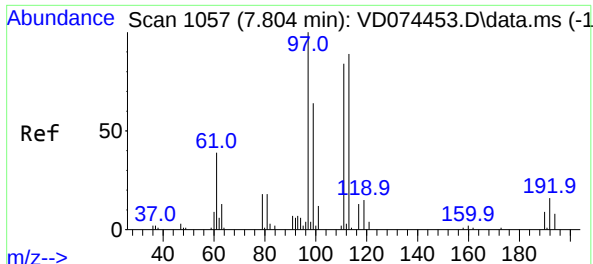
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 13.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 50.518 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074508.D

Acq: 10 Oct 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

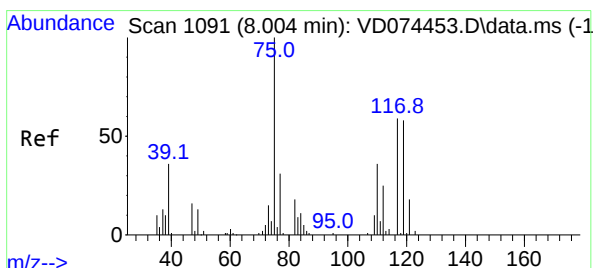
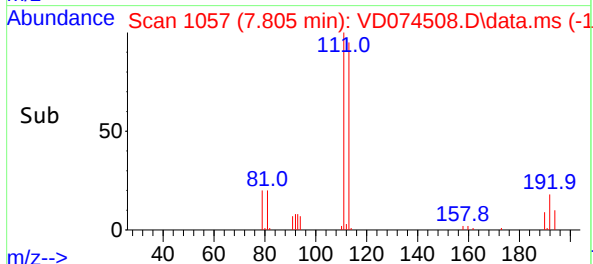
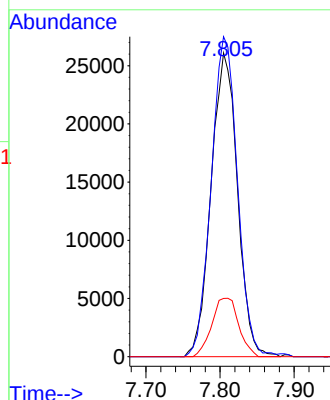
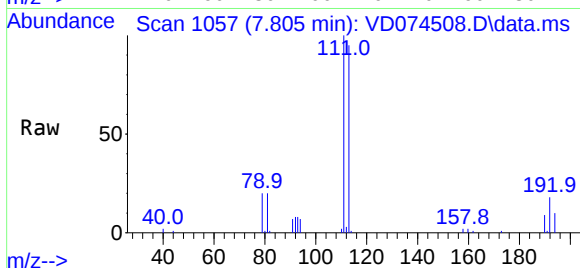
Tgt Ion:113 Resp: 64483

Ion Ratio Lower Upper

113 100

111 104.9 82.3 123.5

192 19.6 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.638 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074508.D

Acq: 10 Oct 2022 17:51

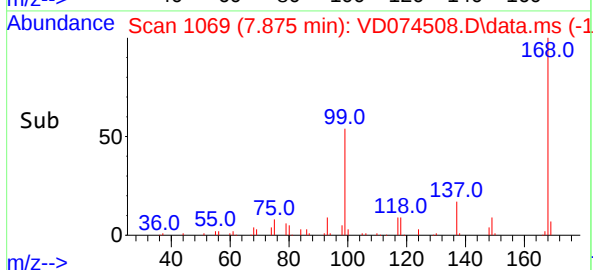
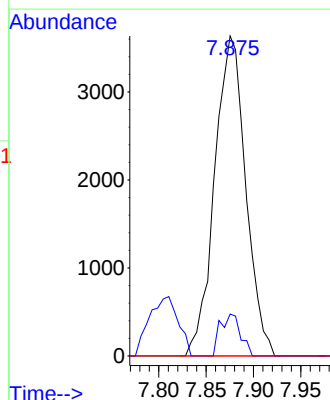
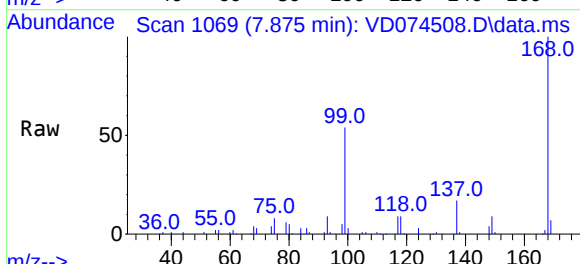
Tgt Ion: 75 Resp: 8309

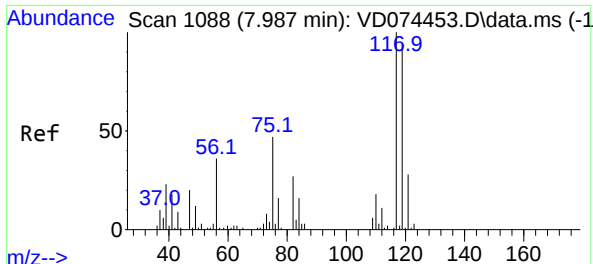
Ion Ratio Lower Upper

75 100

110 8.5 19.7 59.0#

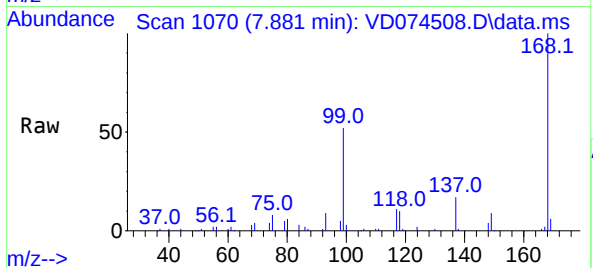
77 0.0 25.4 38.2#



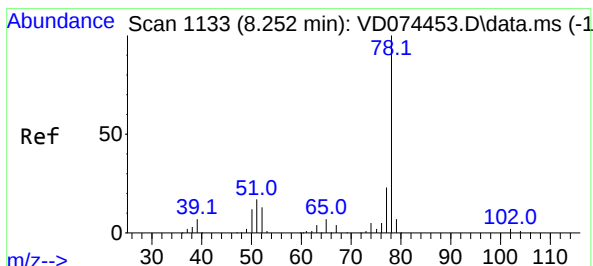
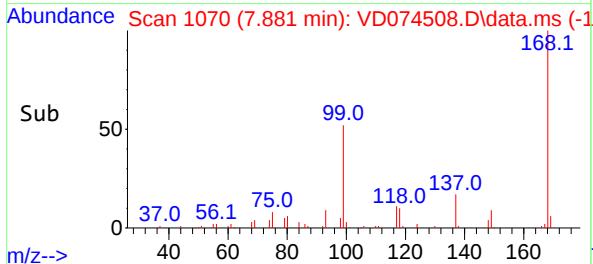
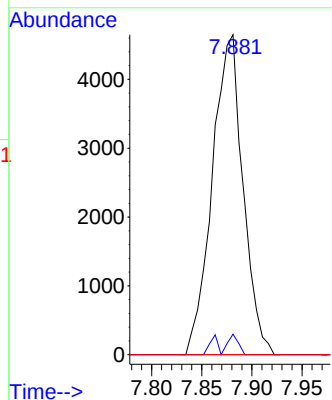


#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. -0.106 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Instrument :
MSVOA_D
ClientSampleId :

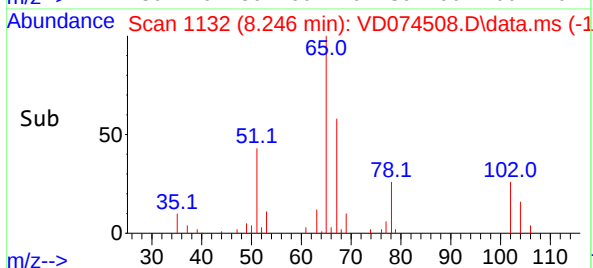
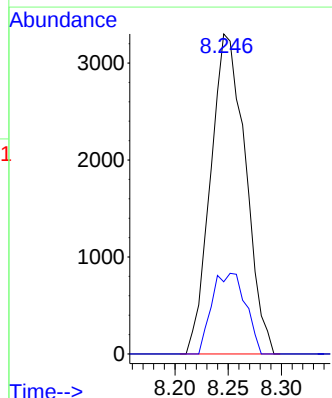
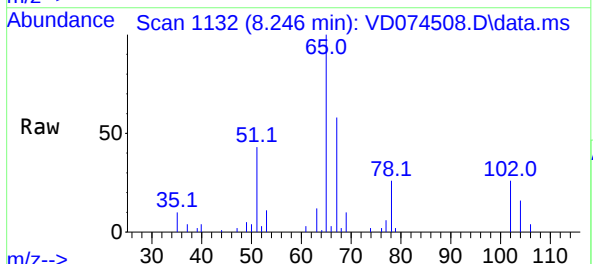


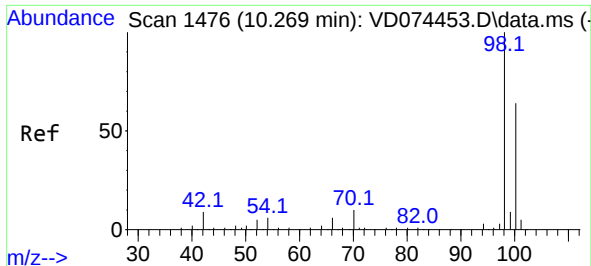
Tgt Ion:117 Resp: 9919
Ion Ratio Lower Upper
117 100
119 6.4 73.1 109.7#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 1.439 ug/l
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 78 Resp: 7487
Ion Ratio Lower Upper
78 100
77 22.5 20.1 30.1

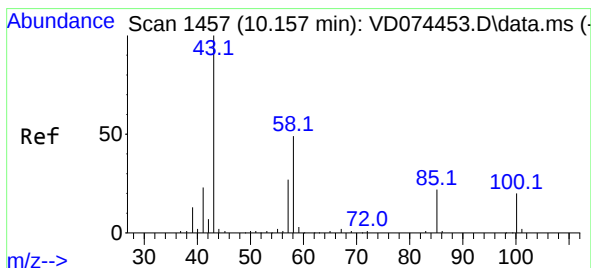
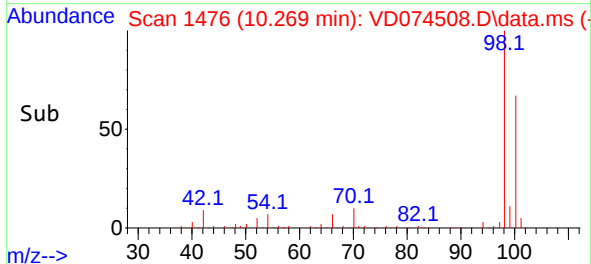
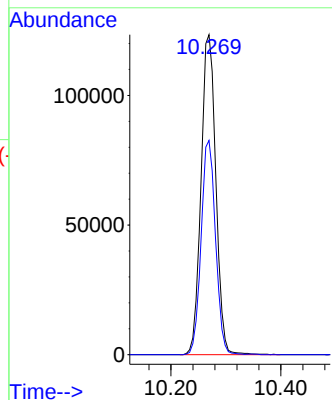
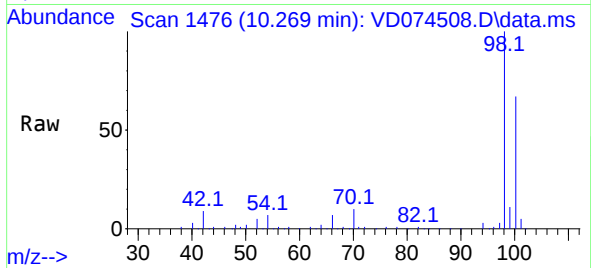




#50
Toluene-d8
Concen: 49.371 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

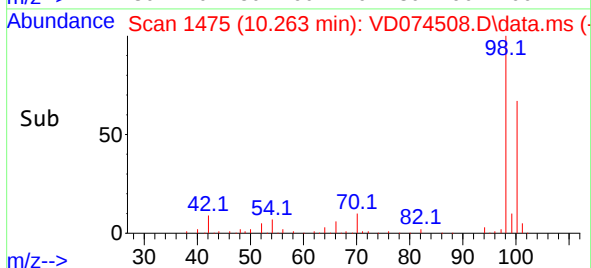
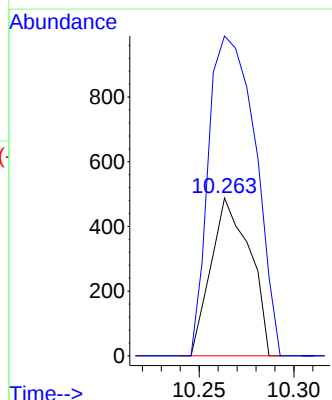
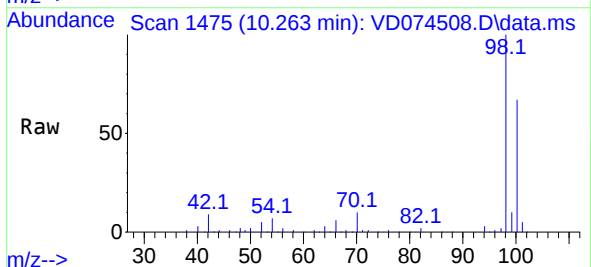
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ClientSampleId :

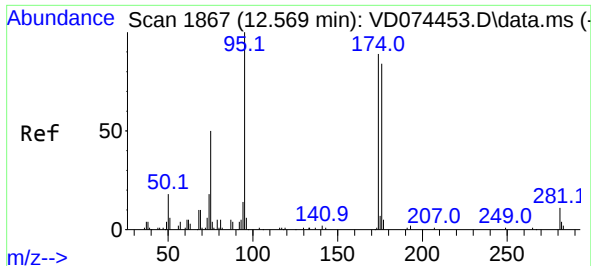
Tgt Ion: 98 Resp: 230079
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.248 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
58 243.0 37.8 56.6#

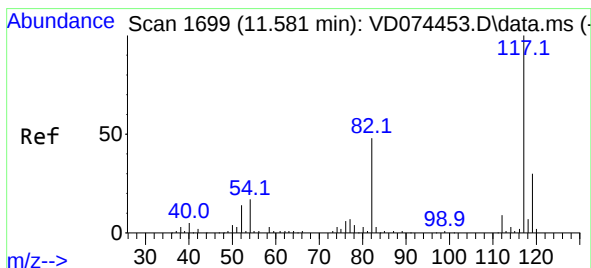
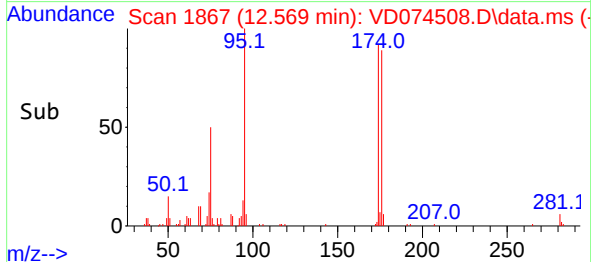
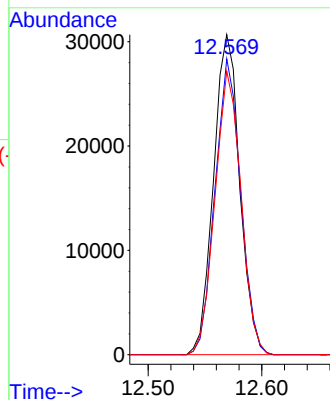
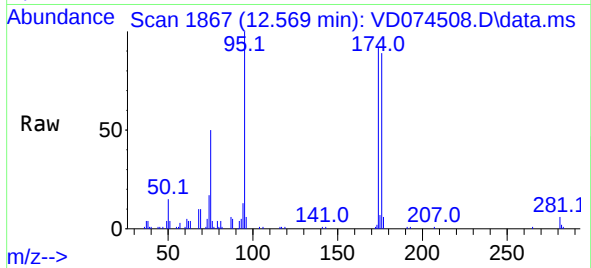




#62
4-Bromofluorobenzene
Concen: 31.922 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

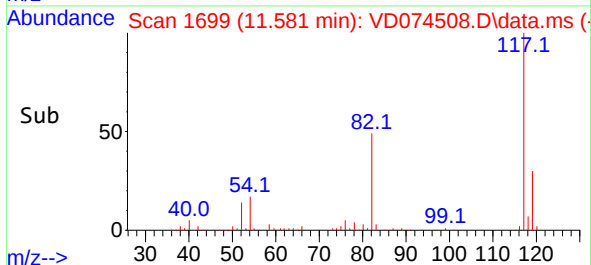
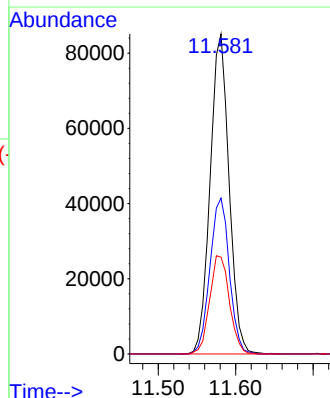
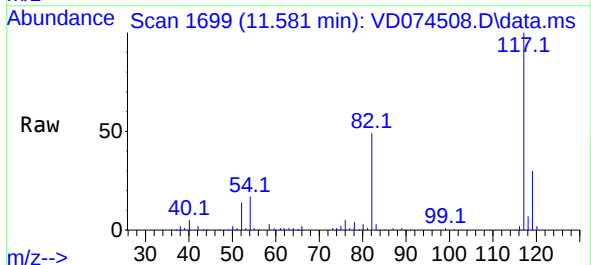
Instrument :
MSVOA_D
ClientSampleId :

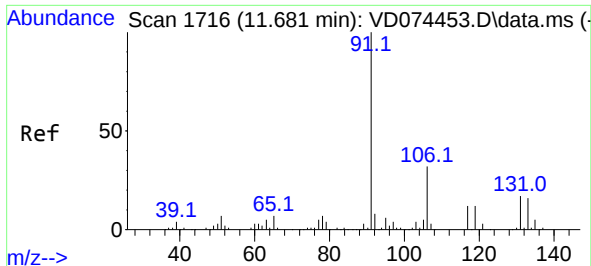
Tgt Ion:	95	Resp:	49213
Ion Ratio	Lower	Upper	
95	100		
174	90.2	0.0	197.0
176	87.8	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion:	117	Resp:	144275
Ion Ratio	Lower	Upper	
117	100		
82	48.7	41.6	62.4
119	30.2	25.2	37.8





#67

Ethyl Benzene

Concen: 2.754 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD074508.D

Acq: 10 Oct 2022 17:51

Instrument :

MSVOA_D

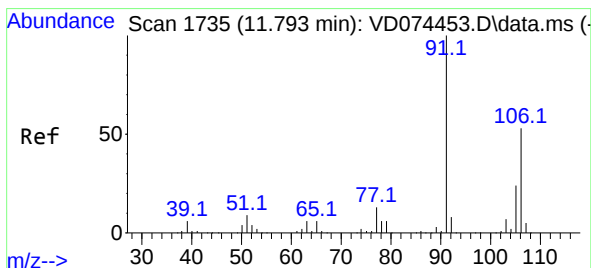
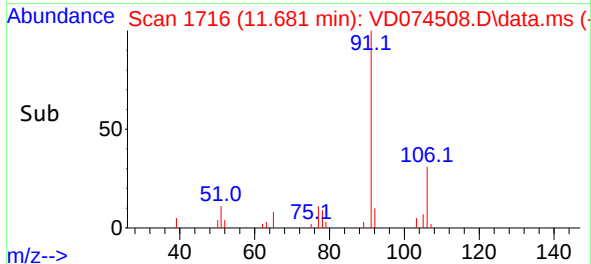
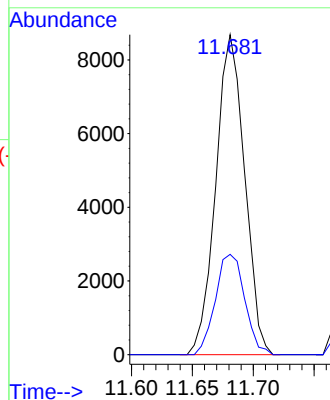
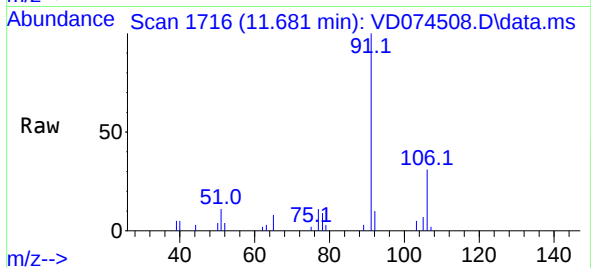
ClientSampleId :

Tgt Ion: 91 Resp: 14314

Ion Ratio Lower Upper

91 100

106 31.4 26.6 40.0



#68

m/p-Xylenes

Concen: 2.485 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD074508.D

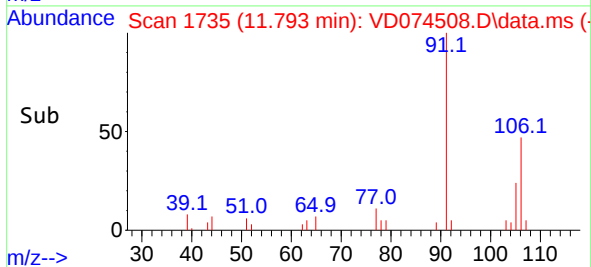
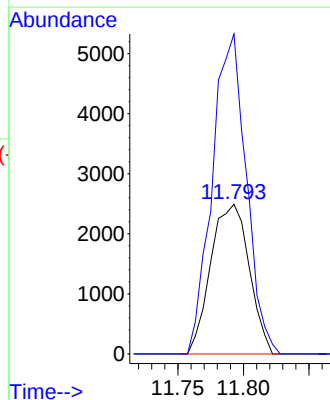
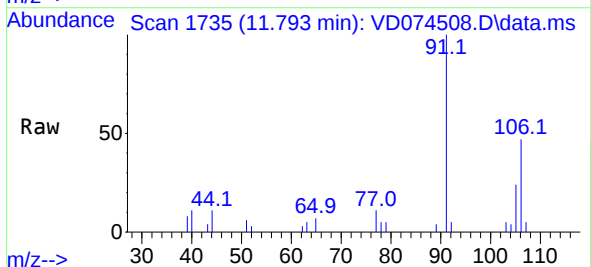
Acq: 10 Oct 2022 17:51

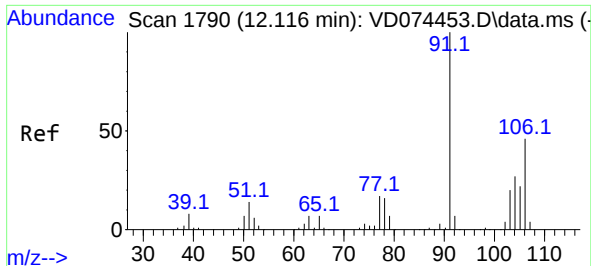
Tgt Ion: 106 Resp: 5075

Ion Ratio Lower Upper

106 100

91 189.6 156.2 234.4

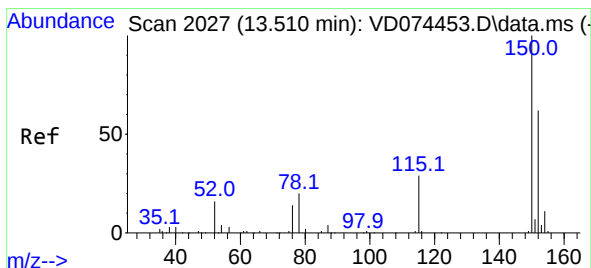
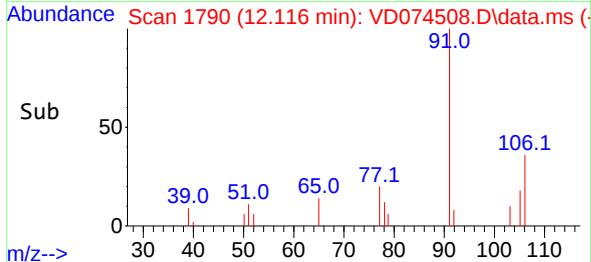
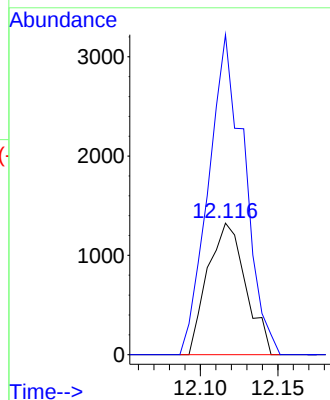
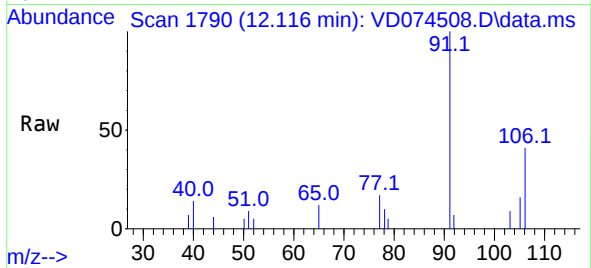




#69
o-Xylene
Concen: 1.201 ug/l
RT: 12.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

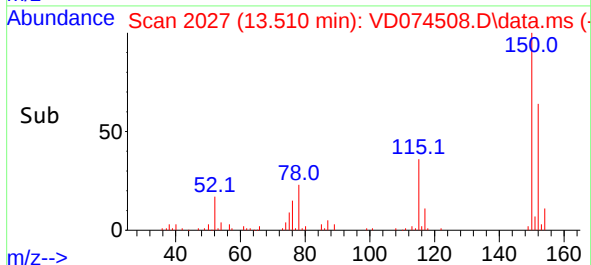
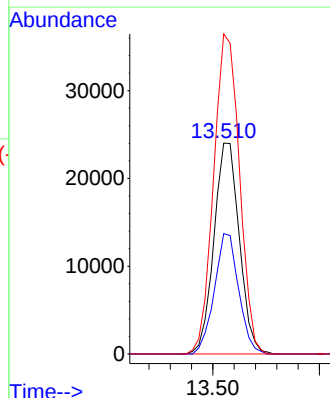
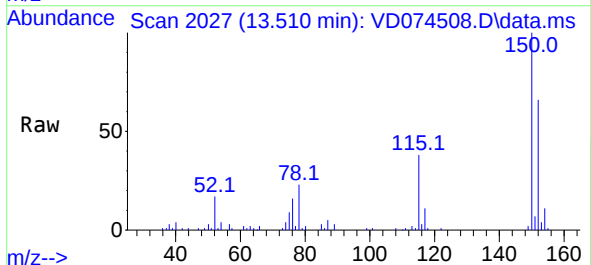
Instrument :
MSVOA_D
ClientSampleId :

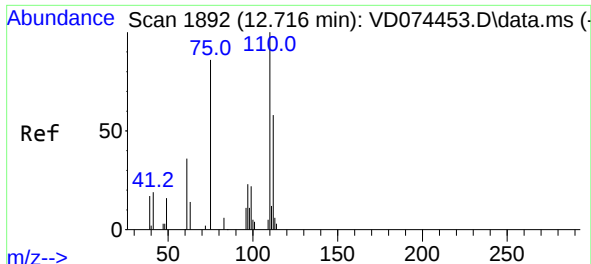
Tgt Ion:106 Resp: 2254
Ion Ratio Lower Upper
106 100
91 230.7 104.5 313.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion:152 Resp: 39764
Ion Ratio Lower Upper
152 100
115 54.5 26.8 80.4
150 154.4 0.0 348.2

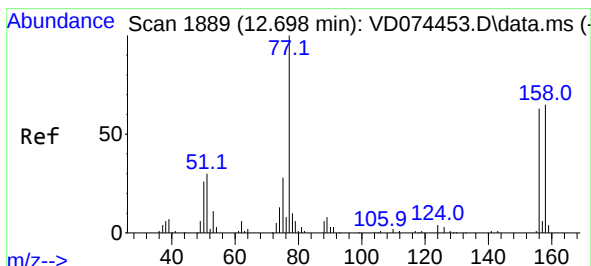
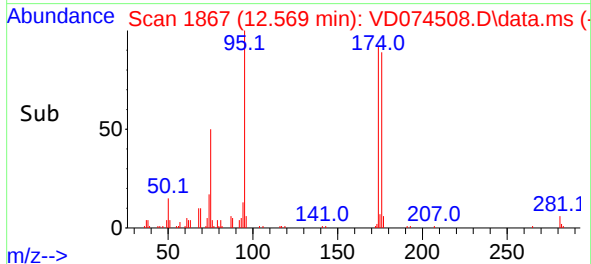
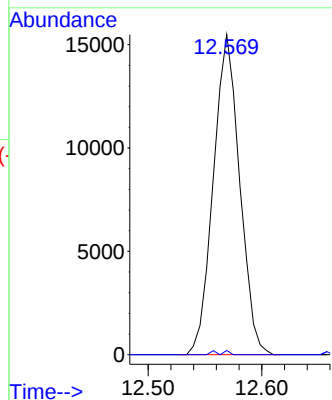
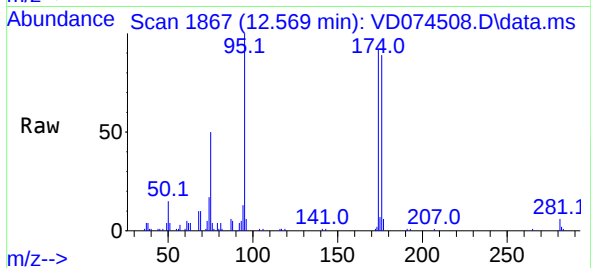




#76
1,2,3-Trichloropropane
Concen: 81.617 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

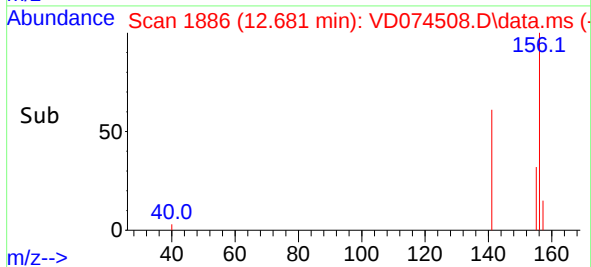
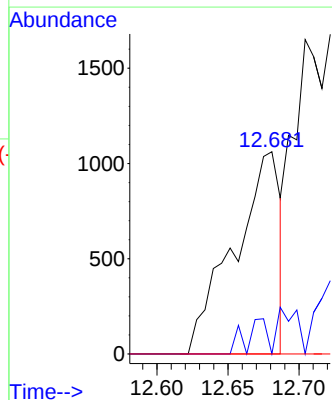
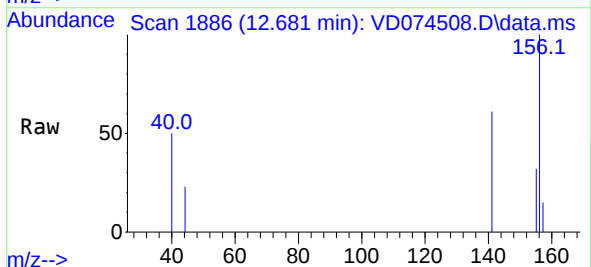
Instrument :
MSVOA_D
ClientSampleId :

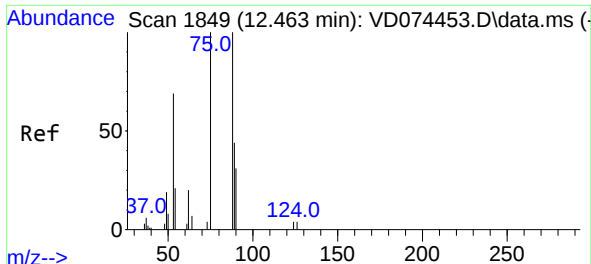
Tgt Ion: 75 Resp: 24913
Ion Ratio Lower Upper
75 100
77 0.6 185.8 557.5#



#77
Bromobenzene
Concen: 3.604 ug/l
RT: 12.681 min Scan# 1886
Delta R.T. -0.017 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion:156 Resp: 2396
Ion Ratio Lower Upper
156 100
77 9.6 77.7 233.1#
158 0.0 49.4 148.2#

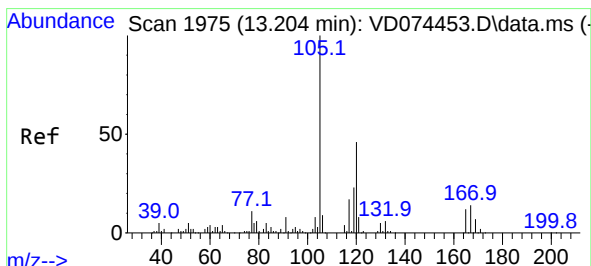
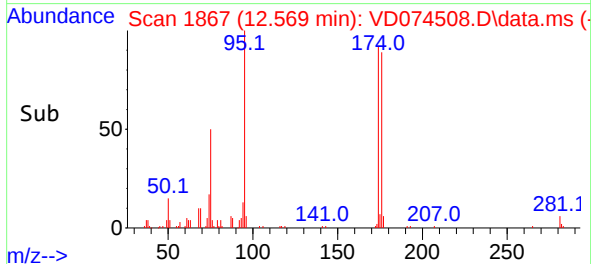
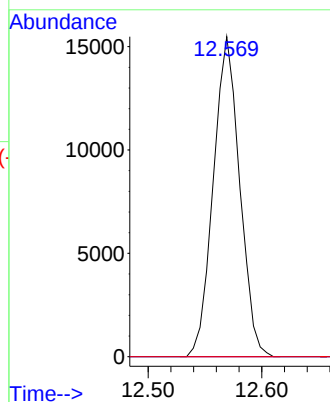
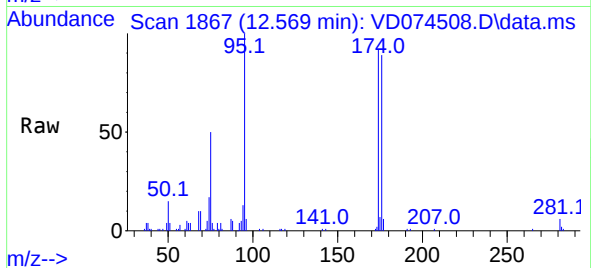




#81
trans-1,4-Dichloro-2-butene
Concen: 182.097 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

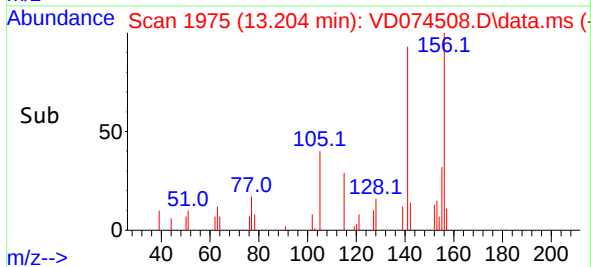
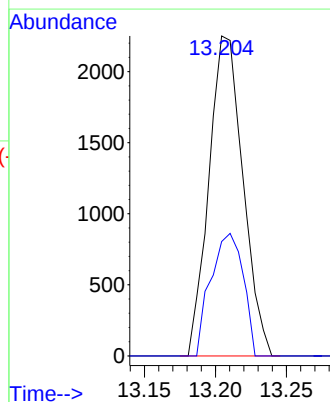
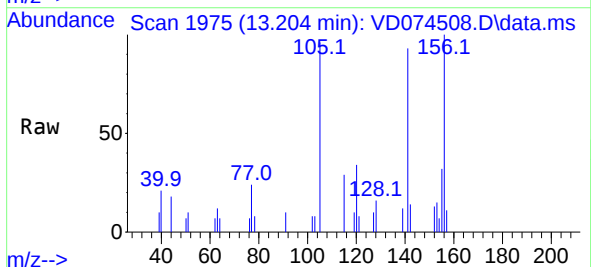
Instrument :
MSVOA_D
ClientSampleId :

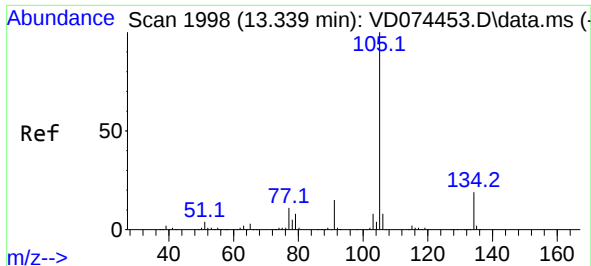
Tgt Ion: 75 Resp: 24913
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.580 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 105 Resp: 3750
Ion Ratio Lower Upper
105 100
120 36.4 22.9 68.7

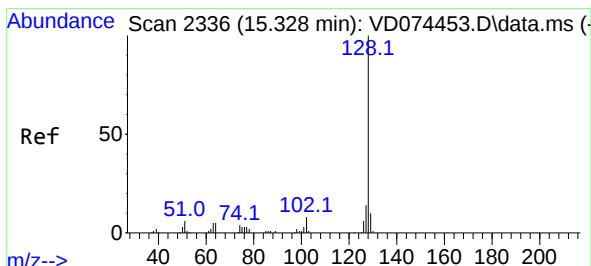
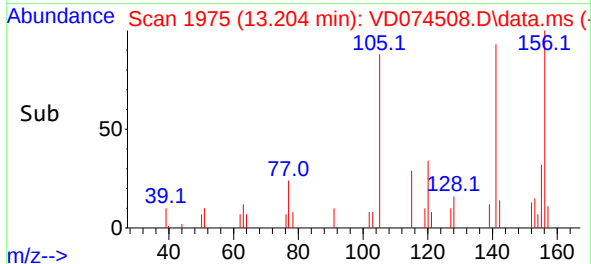
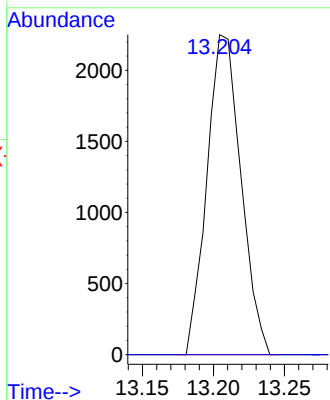
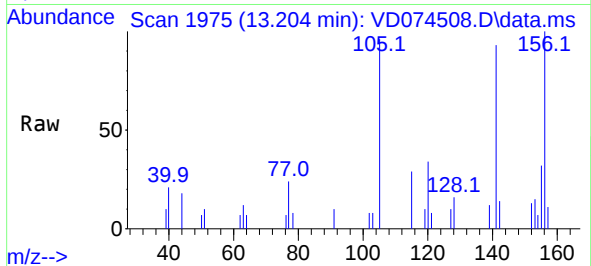




#85
 sec-Butylbenzene
 Concen: 1.171 ug/l
 RT: 13.204 min Scan# 1998
 Delta R.T. -0.135 min
 Lab File: VD074508.D
 Acq: 10 Oct 2022 17:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:105 Resp: 3750
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#



#95
 Naphthalene
 Concen: 7.180 ug/l
 RT: 15.328 min Scan# 2336
 Delta R.T. 0.000 min
 Lab File: VD074508.D
 Acq: 10 Oct 2022 17:51

Tgt Ion:128 Resp: 10173
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.6 16.0
 129 9.0 8.3 12.5

