

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110322\
 Data File : VD074716.D
 Acq On : 03 Nov 2022 15:37
 Operator : VA/SY
 Sample : N5396-07
 Misc : 4.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-F

Quant Time: Nov 04 00:02:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	154965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	286277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	225797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98079	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80255	65.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.780%	
35) Dibromofluoromethane	7.810	113	101554	59.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.940%	
50) Toluene-d8	10.269	98	318160	51.506	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.569	95	93713	52.543	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.080%	

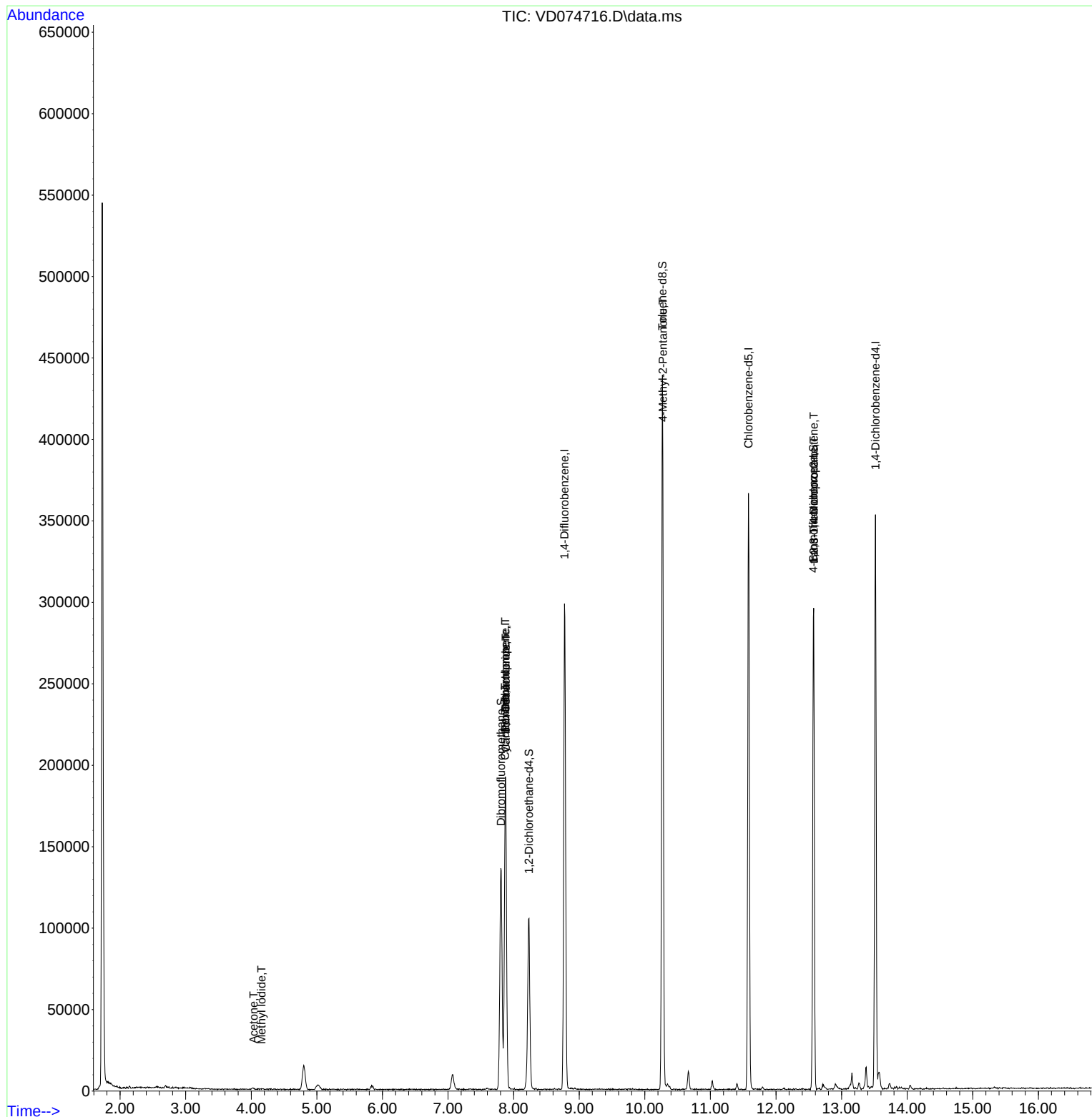
Target Compounds			Qvalue			
10) Methyl Iodide	4.158	142	745	5.867	ug/l #	43
11) Tert butyl alcohol	5.016	59	3128	Below Cal	#	84
16) Acetone	4.034	43	1074	4.193	ug/l #	37
20) Methylene Chloride	4.805	84	13113	Below Cal		94
31) Cyclohexane	7.869	56	2850	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	11168	4.345	ug/l #	47
38) Carbon Tetrachloride	7.881	117	15034	6.173	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	852	1.101	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	47641	62.660	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	47641	148.739	ug/l #	17

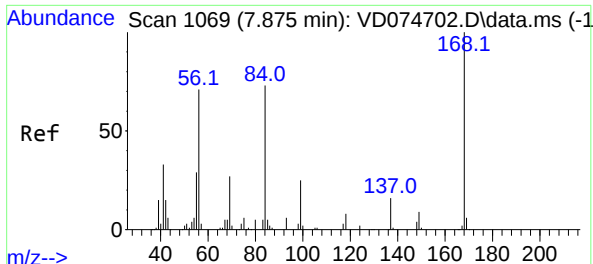
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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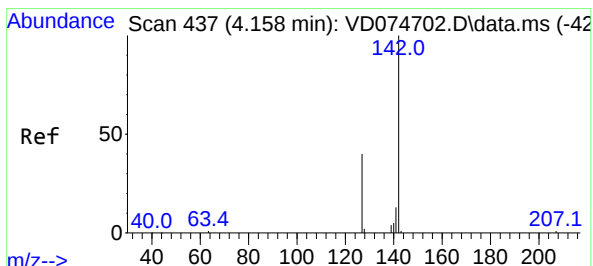
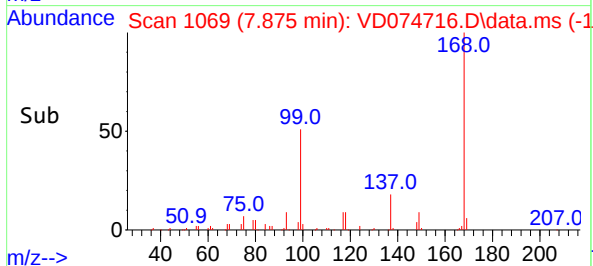
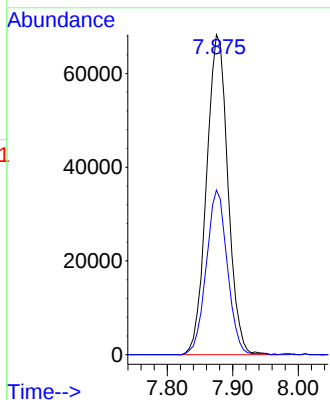
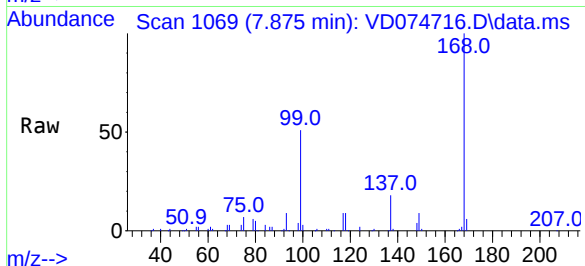




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

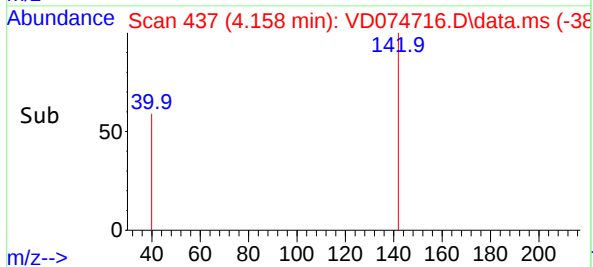
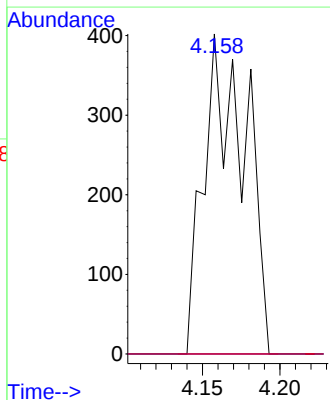
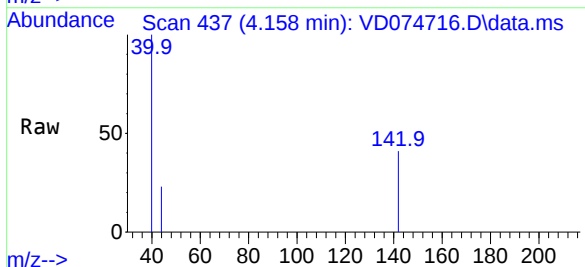
Instrument :
MSVOA_D
ClientSampleId :
TP-F

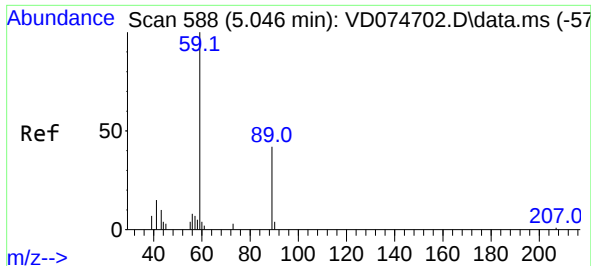
Tgt Ion:168 Resp: 154965
Ion Ratio Lower Upper
168 100
99 51.4 40.9 61.3



#10
Methyl Iodide
Concen: 5.867 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Tgt Ion:142 Resp: 745
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.016 min Scan# 588

Delta R.T. -0.030 min

Lab File: VD074716.D

Acq: 03 Nov 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

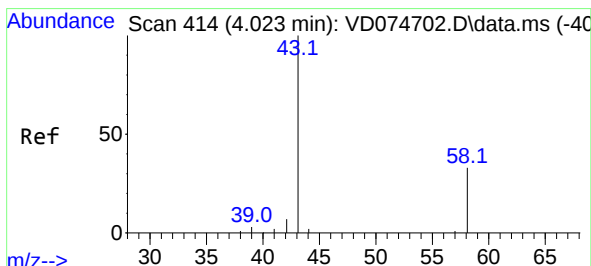
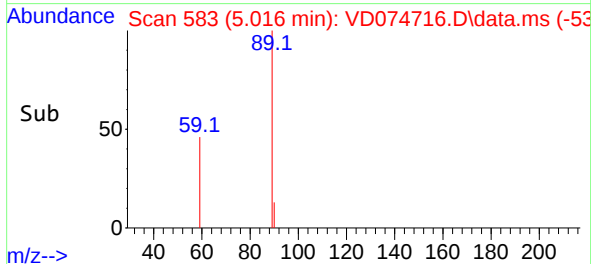
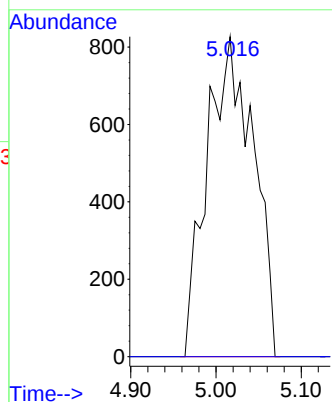
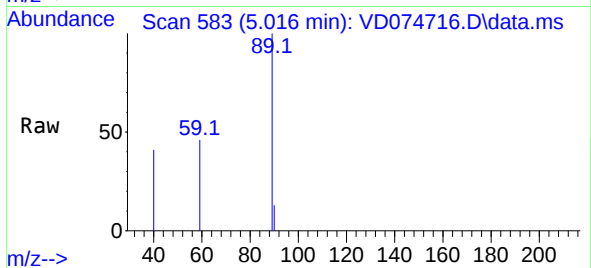
TP-F

Tgt Ion: 59 Resp: 3128

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 4.193 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.011 min

Lab File: VD074716.D

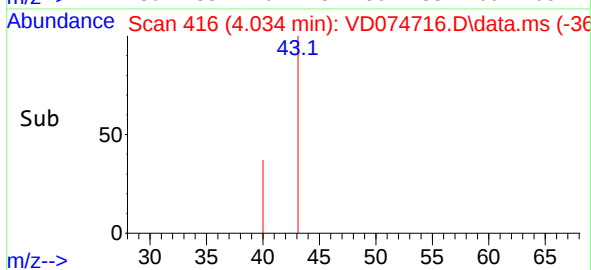
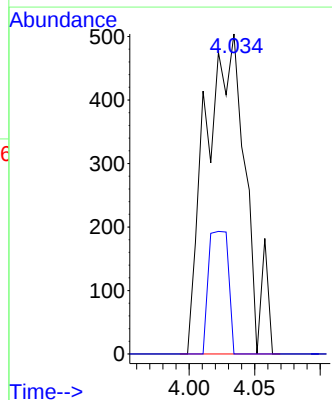
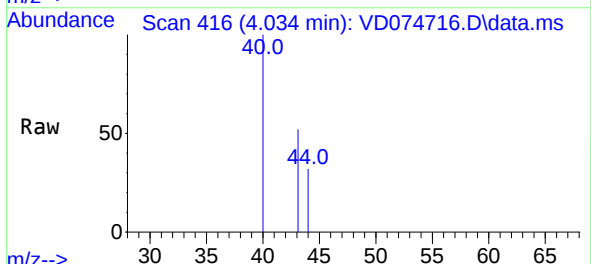
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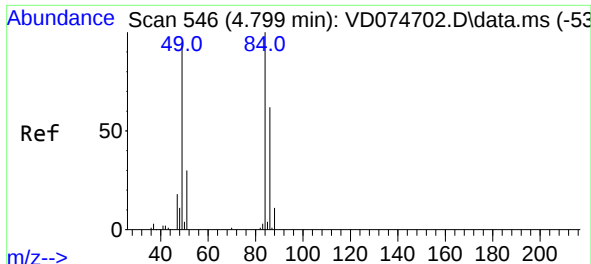
Tgt Ion: 43 Resp: 1074

Ion Ratio Lower Upper

43 100

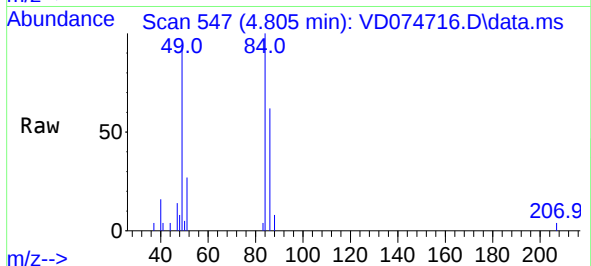
58 0.0 30.2 45.2#





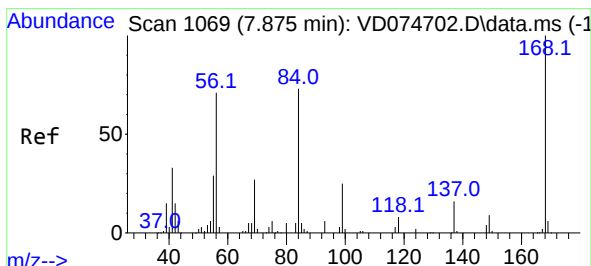
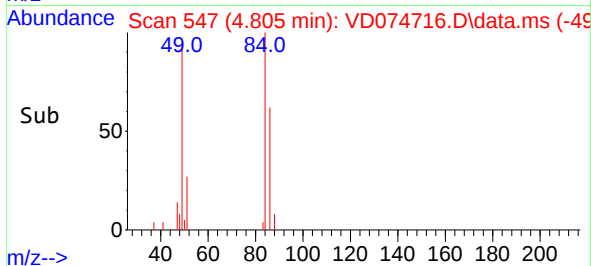
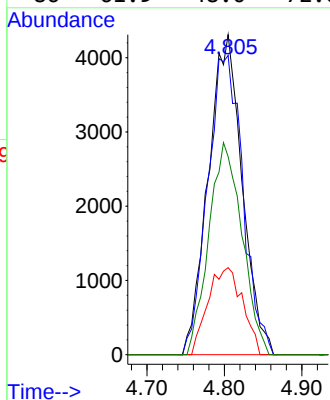
#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Instrument :
MSVOA_D
ClientSampleId :
TP-F



Tgt Ion: 84 Resp: 13113

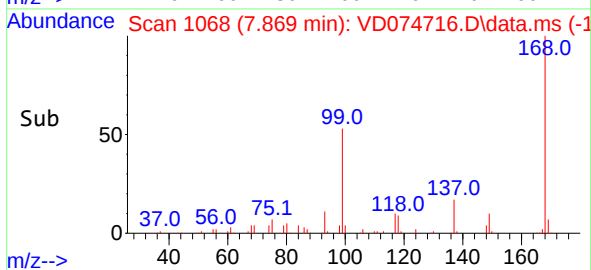
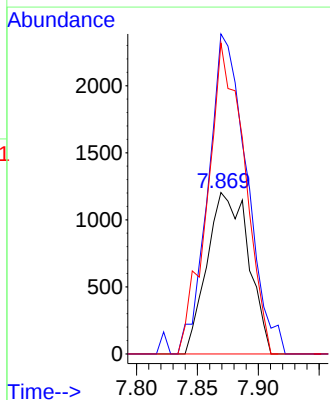
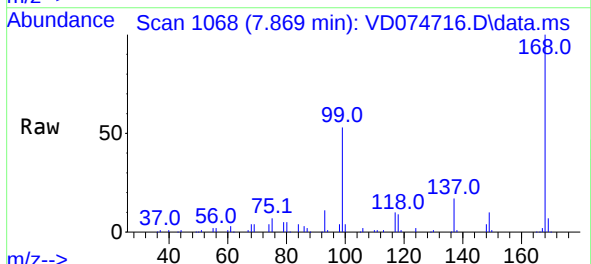
Ion	Ratio	Lower	Upper
84	100		
49	93.5	68.0	102.0
51	27.2	23.2	34.8
86	61.9	48.0	72.0

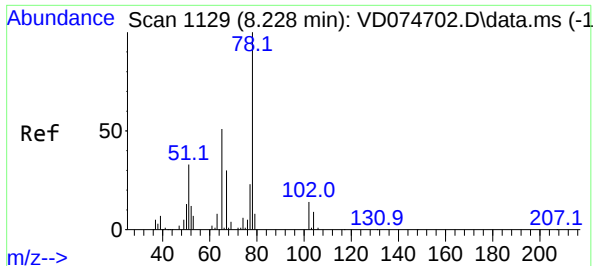


#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Tgt Ion: 56 Resp: 2850

Ion	Ratio	Lower	Upper
56	100		
69	198.3	29.2	43.8#
84	192.8	83.4	125.2#





#33

1,2-Dichloroethane-d4

Concen: 65.389 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074716.D

Acq: 03 Nov 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

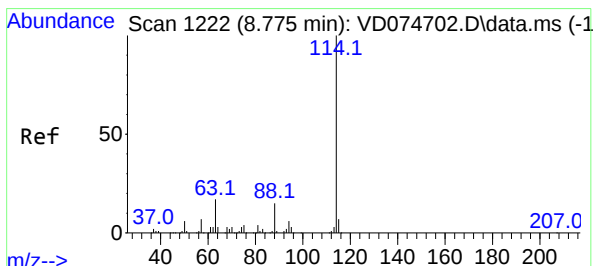
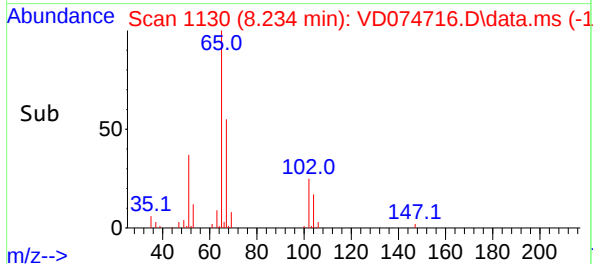
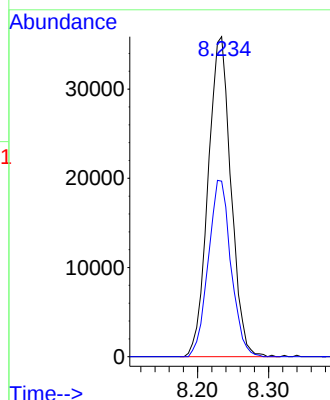
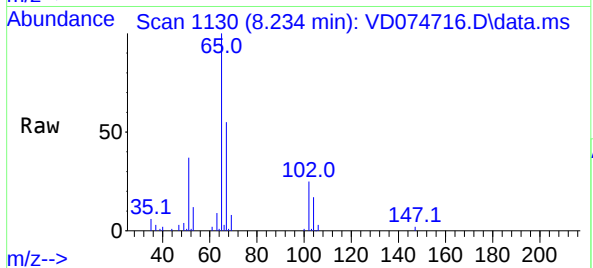
TP-F

Tgt Ion: 65 Resp: 80255

Ion Ratio Lower Upper

65 100

67 54.8 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: VD074716.D

Acq: 03 Nov 2022 15:37

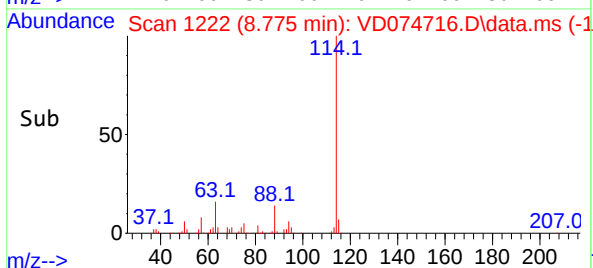
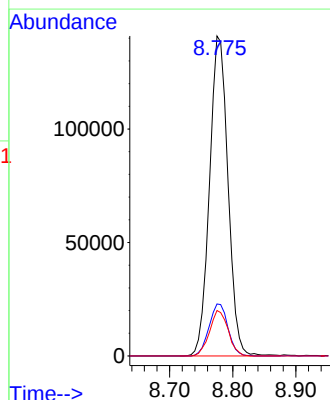
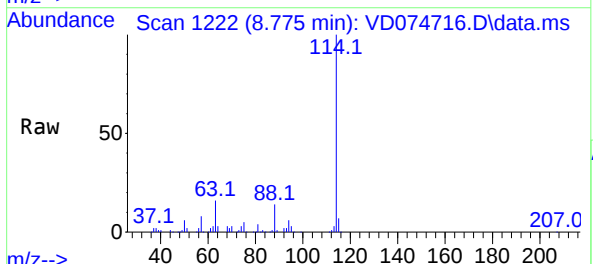
Tgt Ion:114 Resp: 286277

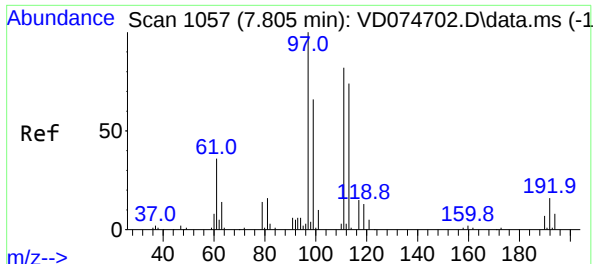
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.2

88 14.2 0.0 28.2

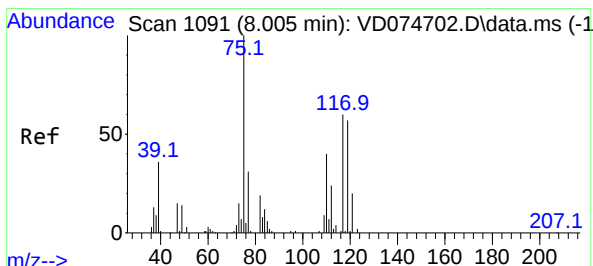
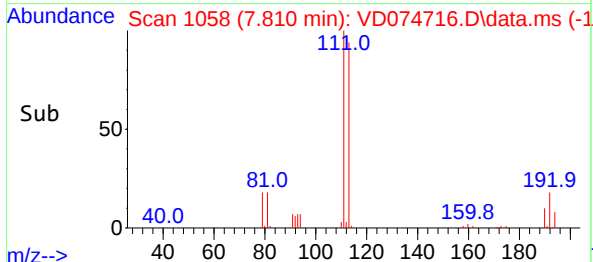
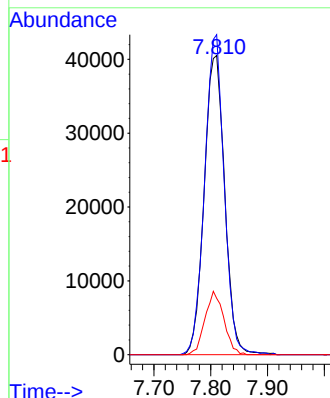
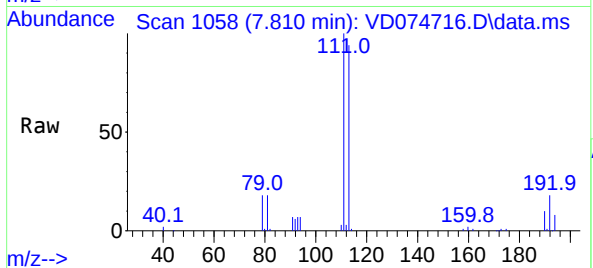




#35
Dibromofluoromethane
Concen: 59.969 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.005 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

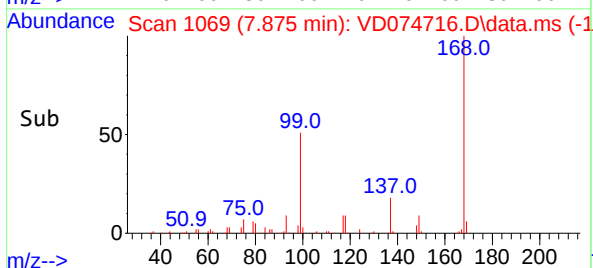
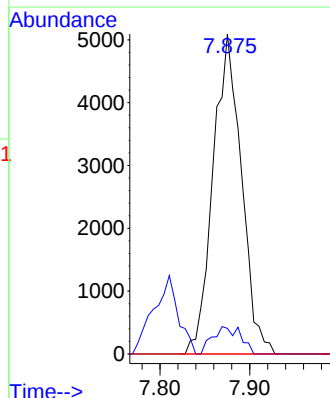
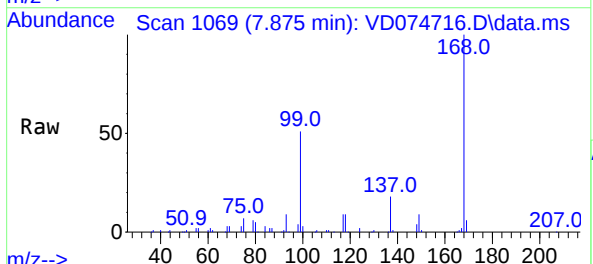
Instrument :
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TP-F

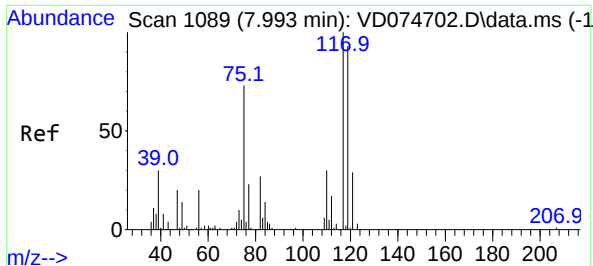
Tgt Ion:113 Resp: 101554
Ion Ratio Lower Upper
113 100
111 102.0 82.3 123.5
192 19.5 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.345 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Tgt Ion: 75 Resp: 11168
Ion Ratio Lower Upper
75 100
110 8.4 19.7 59.0#
77 0.0 25.4 38.2#

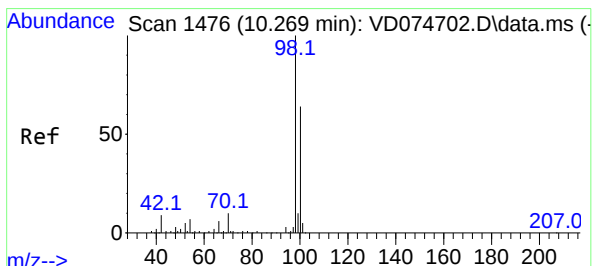
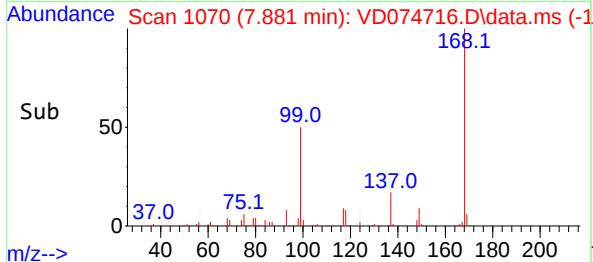
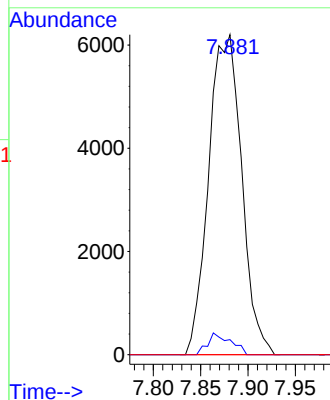
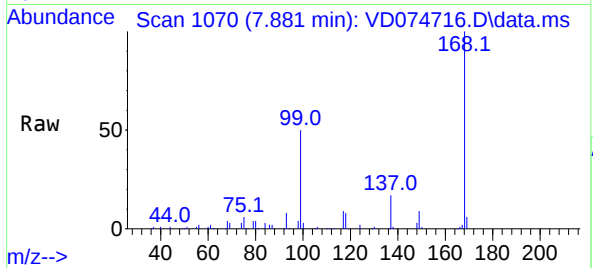




#38
Carbon Tetrachloride
Concen: 6.173 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

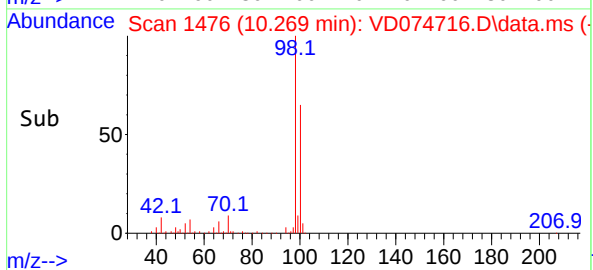
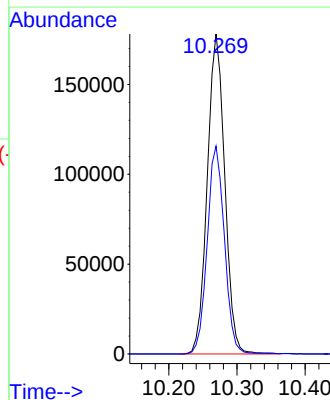
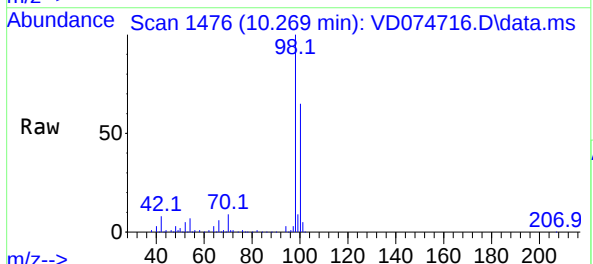
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MSVOA_D
ClientSampleId :
TP-F

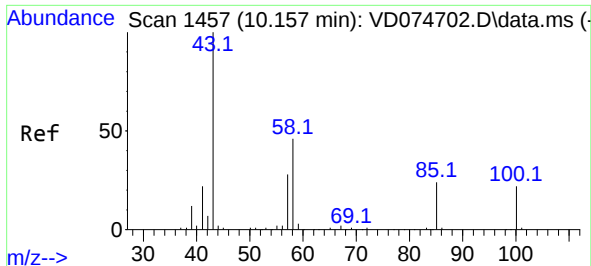
Tgt Ion:117 Resp: 15034
Ion Ratio Lower Upper
117 100
119 4.7 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.506 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Tgt Ion: 98 Resp: 318160
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.101 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.118 min

Lab File: VD074716.D

Acq: 03 Nov 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

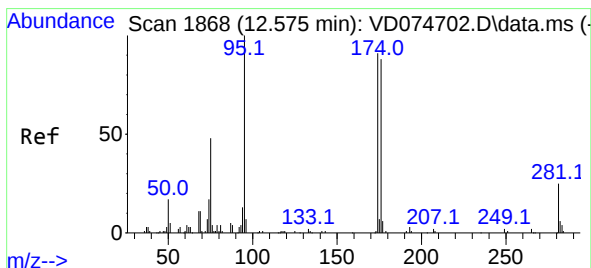
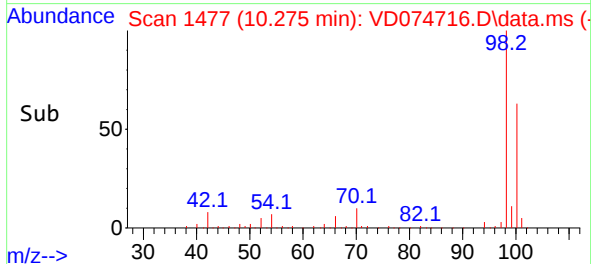
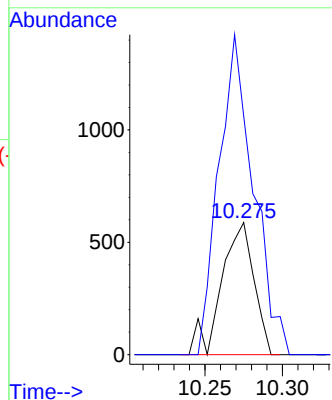
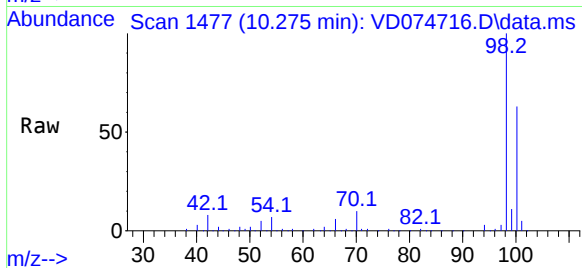
TP-F

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

58 260.2 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 52.543 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD074716.D

Acq: 03 Nov 2022 15:37

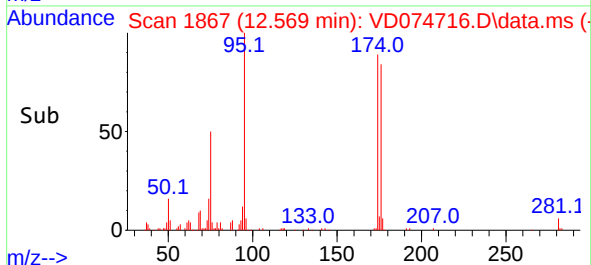
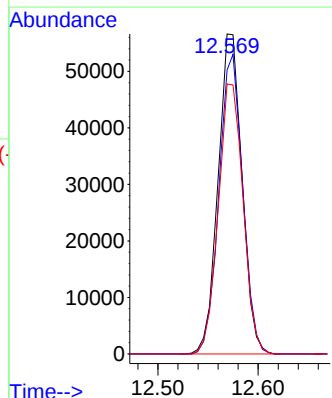
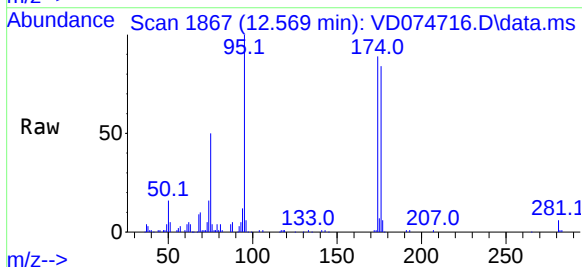
Tgt Ion: 95 Resp: 93713

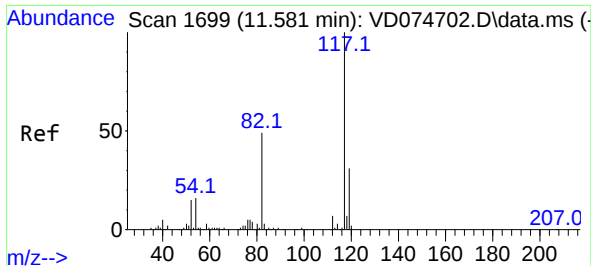
Ion Ratio Lower Upper

95 100

174 92.8 0.0 197.0

176 87.4 0.0 182.6



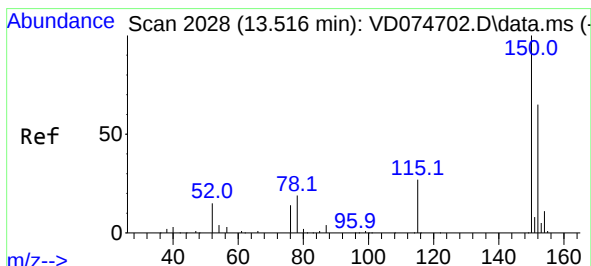
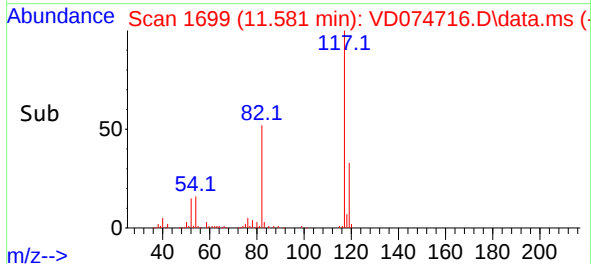
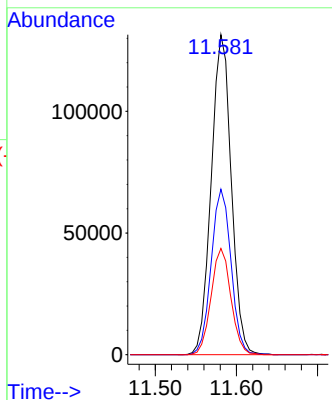
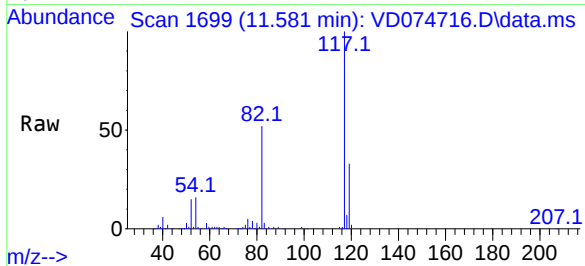


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Instrument :
MSVOA_D
ClientSampleId :
TP-F

Tgt Ion:117 Resp: 225797

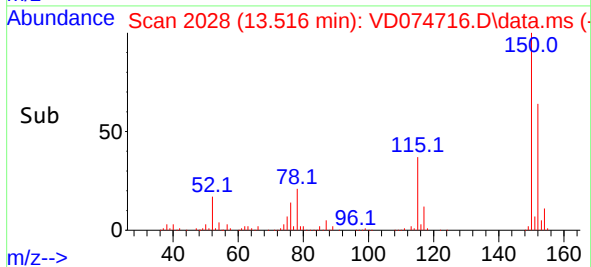
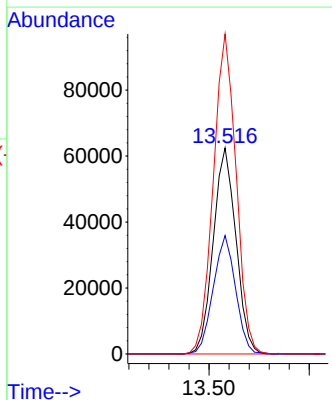
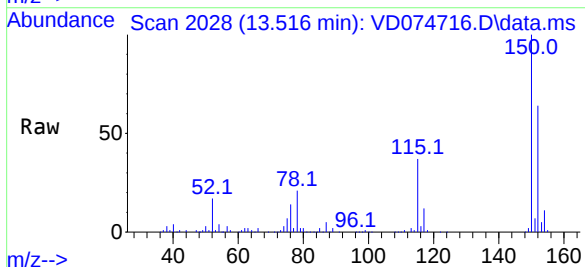
Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.6	62.4
119	33.2	25.2	37.8

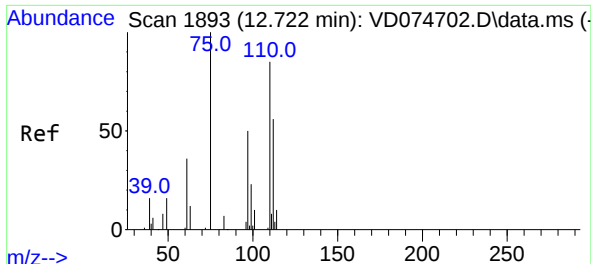


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Tgt Ion:152 Resp: 98079

Ion	Ratio	Lower	Upper
152	100		
115	56.5	26.8	80.4
150	155.9	0.0	348.2

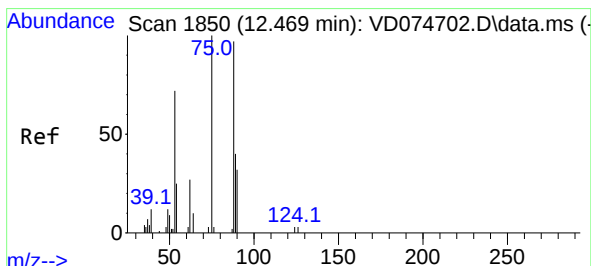
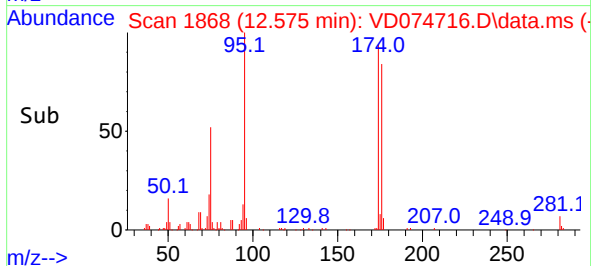
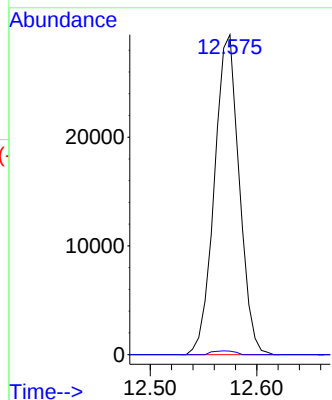
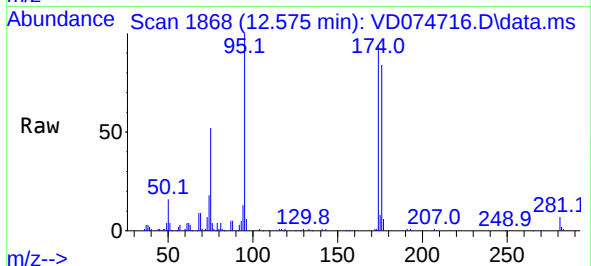




#76
1,2,3-Trichloropropane
Concen: 62.660 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Instrument :
MSVOA_D
ClientSampleId :
TP-F

Tgt Ion: 75 Resp: 47641
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.739 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074716.D
Acq: 03 Nov 2022 15:37

Tgt Ion: 75 Resp: 47641
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

