

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071465.D
 Acq On : 25 Dec 2021 18:36
 Operator : VA/SY
 Sample : M5191-03
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(3.5-7.0)-12-21-2021

Quant Time: Dec 27 00:51:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

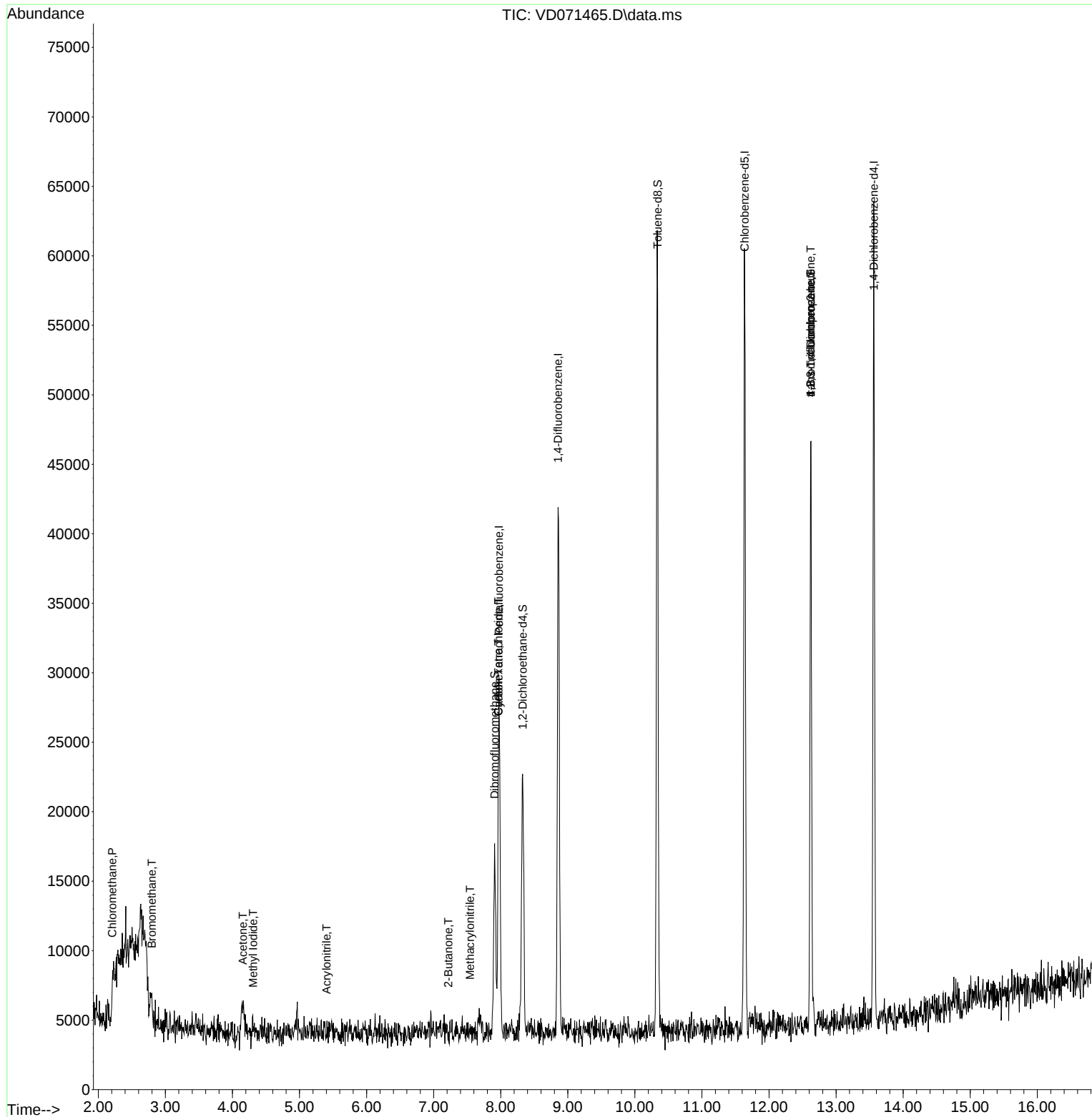
Internal Standards						
1) Pentafluorobenzene	7.973	168	17243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	30421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	29610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	12634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	16097	70.292	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.580%	
35) Dibromofluoromethane	7.909	113	8168	39.951	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.900%	
50) Toluene-d8	10.338	98	36213	46.870	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.740%	
62) 4-Bromofluorobenzene	12.620	95	13064	47.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	491	2.122	ug/l #	42
5) Bromomethane	2.797	94	1125	5.800	ug/l #	67
10) Methyl Iodide	4.309	142	640	3.333	ug/l #	58
11) Tert butyl alcohol	5.032	59	59	Below Cal	#	1
15) Acrylonitrile	5.403	53	67	1.400	ug/l #	19
16) Acetone	4.156	43	4262	74.095	ug/l #	81
20) Methylene Chloride	4.962	84	573	Below Cal	#	64
25) 2-Butanone	7.220	43	71	1.033	ug/l #	45
31) Cyclohexane	7.967	56	464	1.193	ug/l #	10
38) Carbon Tetrachloride	7.967	117	959	2.976	ug/l #	12
41) Methacrylonitrile	7.544	41	153	1.708	ug/l #	38
76) 1,2,3-Trichloropropane	12.620	75	7818	52.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	7818	147.154	ug/l #	18

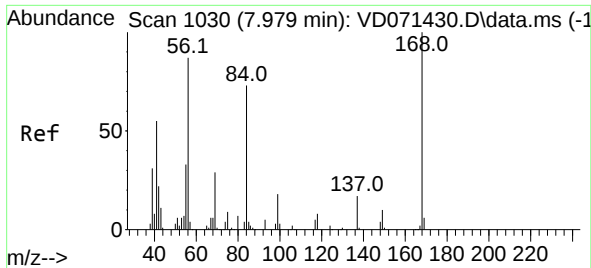
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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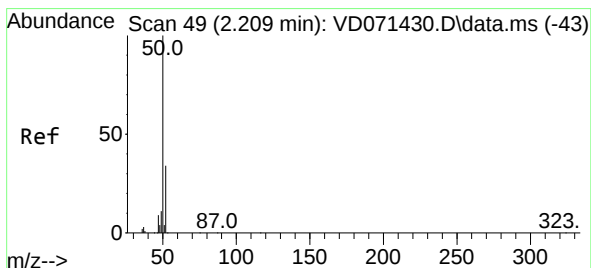
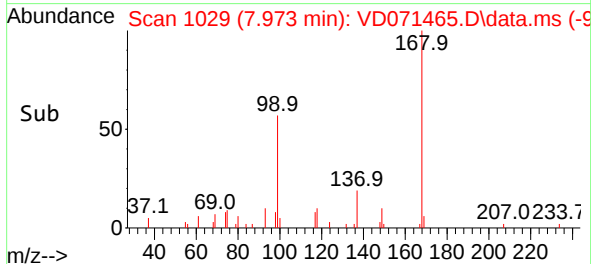
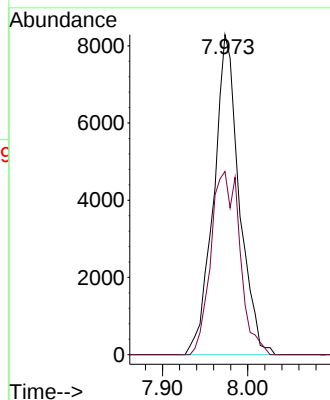
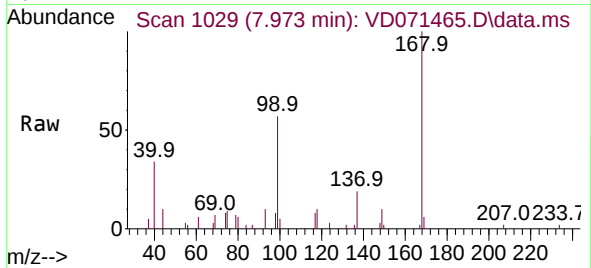




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

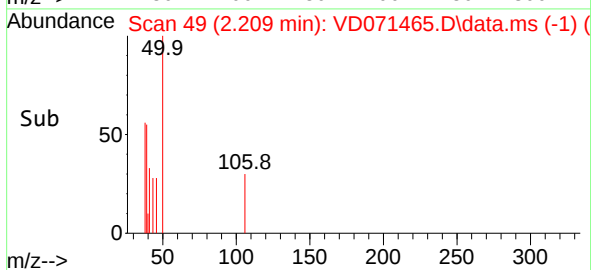
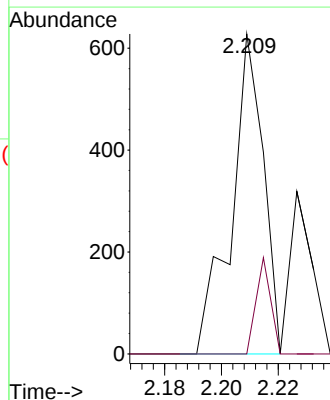
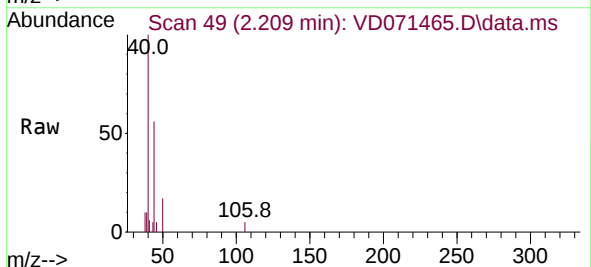
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

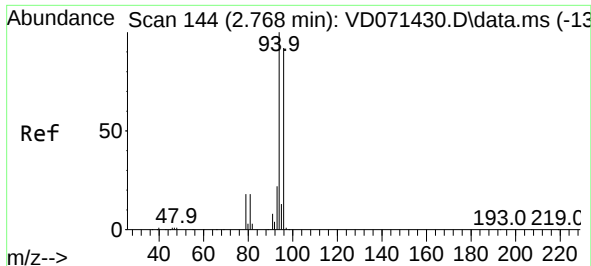
Tgt Ion:168 Resp: 17243
Ion Ratio Lower Upper
168 100
99 57.3 46.6 69.8



#3
Chloromethane
Concen: 2.122 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion: 50 Resp: 491
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

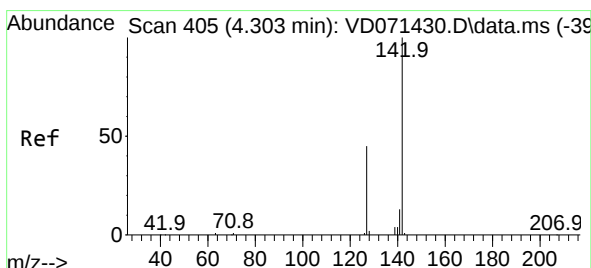
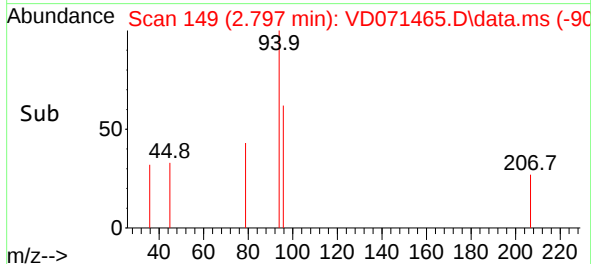
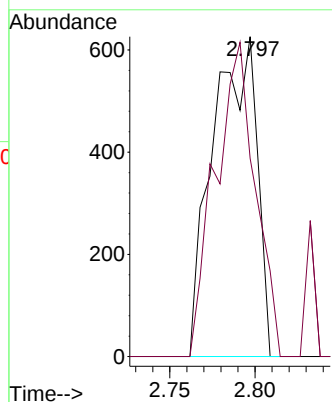
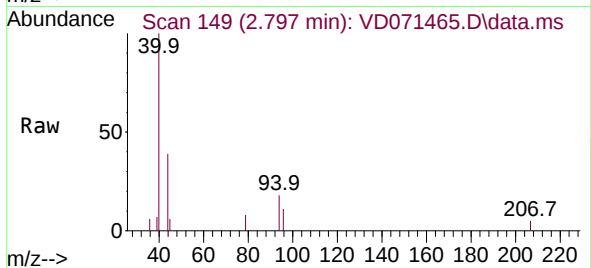




#5
Bromomethane
Concen: 5.800 ug/l
RT: 2.797 min Scan# 144
Delta R.T. 0.047 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

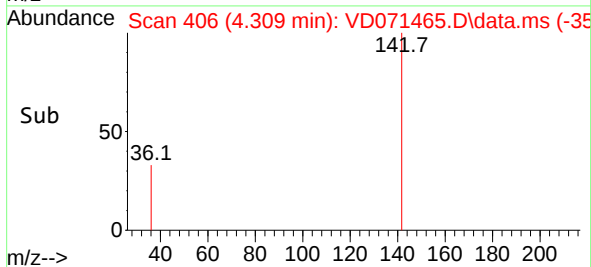
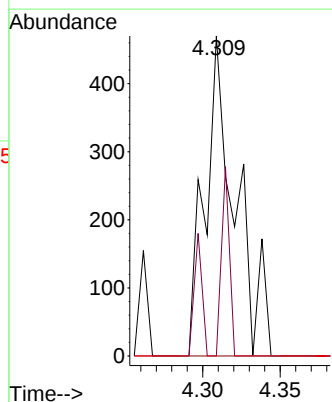
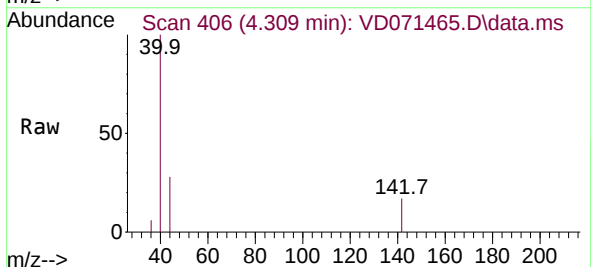
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

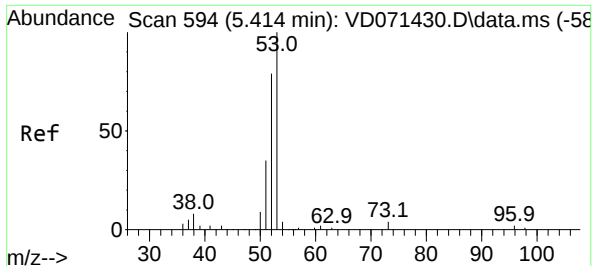
Tgt Ion: 94 Resp: 1125
Ion Ratio Lower Upper
94 100
96 62.0 74.8 112.2#



#10
Methyl Iodide
Concen: 3.333 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion:142 Resp: 640
Ion Ratio Lower Upper
142 100
127 15.3 35.0 52.4#
141 0.0 12.0 18.0#

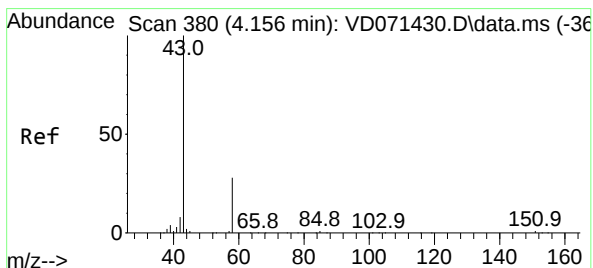
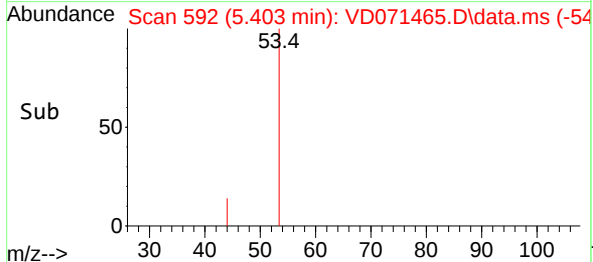
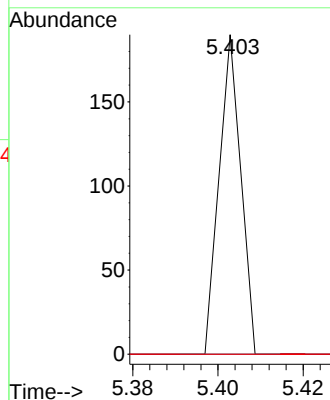
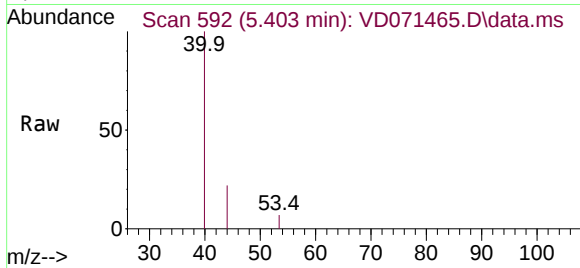




#15
Acrylonitrile
Concen: 1.400 ug/l
RT: 5.403 min Scan# 51
Delta R.T. -0.017 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

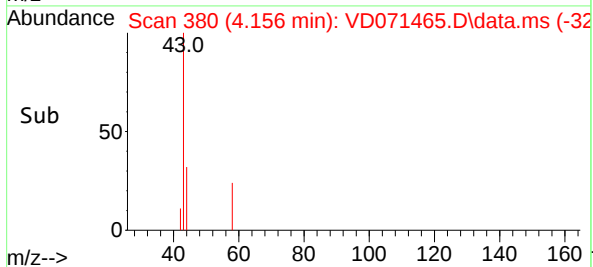
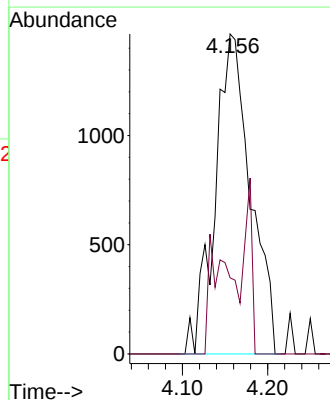
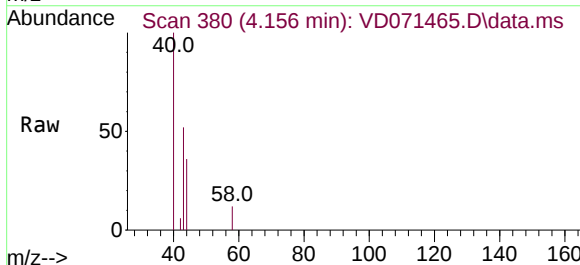
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

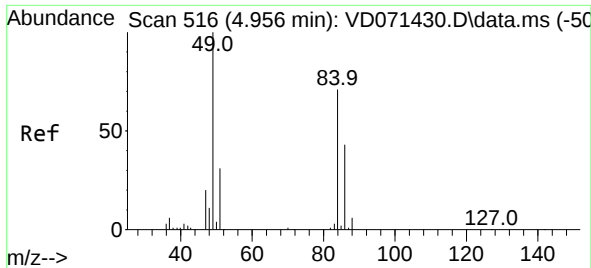
Tgt Ion: 53 Resp: 67
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 74.095 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
58 23.8 27.8 41.8#

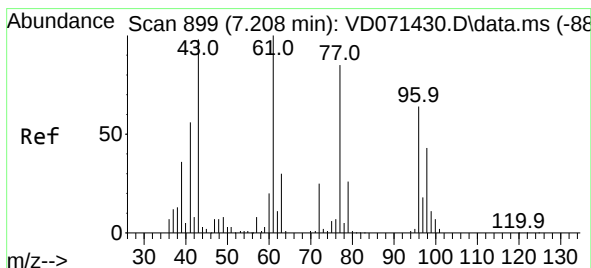
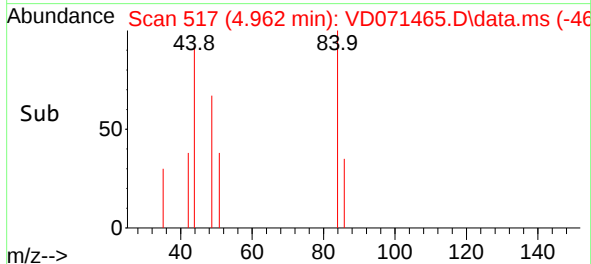
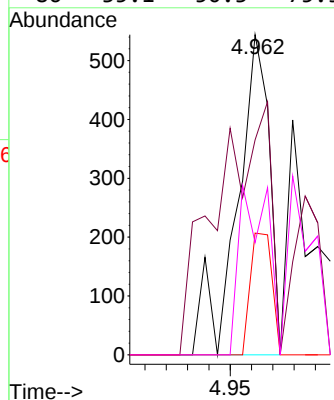
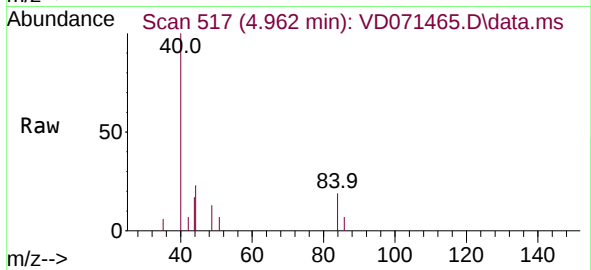




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

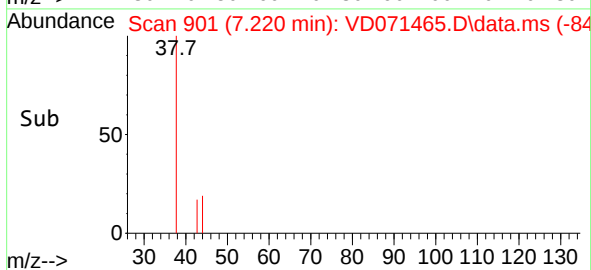
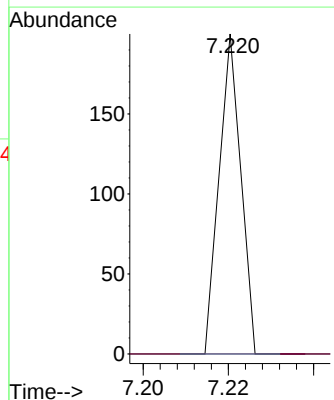
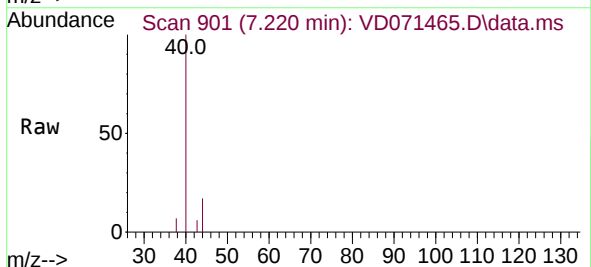
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

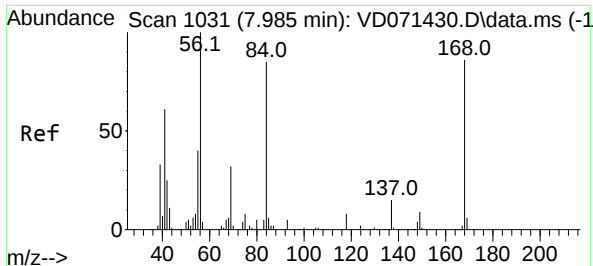
Tgt Ion:	84	Resp:	573
Ion	Ratio	Lower	Upper
84	100		
49	67.1	95.8	143.6#
51	38.1	30.9	46.3
86	35.1	50.3	75.5#



#25
2-Butanone
Concen: 1.033 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion:	43	Resp:	71
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#





#31

Cyclohexane

Concen: 1.193 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD071465.D

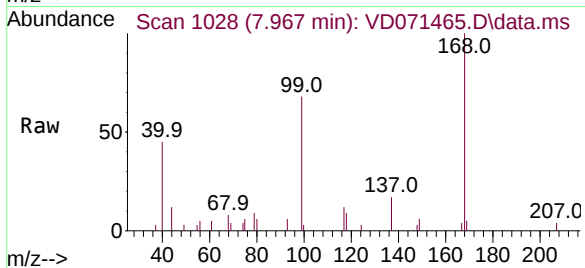
Acq: 25 Dec 2021 18:36

Instrument :

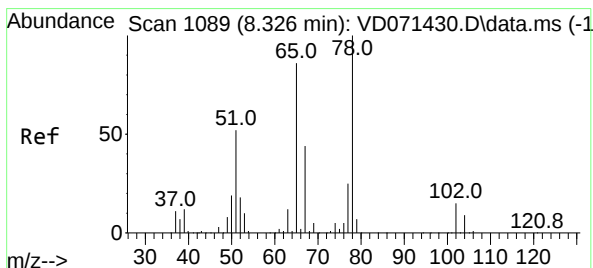
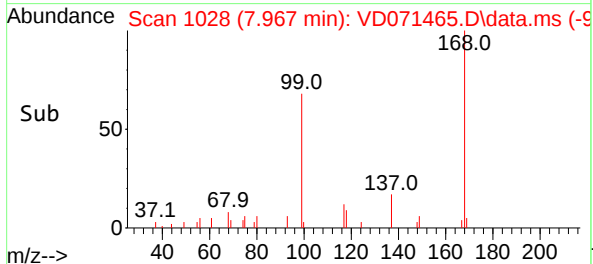
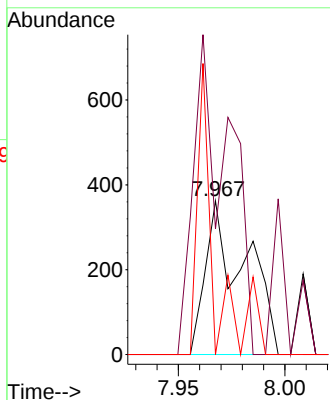
MSVOA_D

ClientSampleId :

TP-(3.5-7.0)-12-21-2021



Tgt Ion:	56	Resp:	464
Ion Ratio	Lower	Upper	
56	100		
69	81.8	25.9	38.9#
84	0.0	64.3	96.5#



#33

1,2-Dichloroethane-d4

Concen: 70.292 ug/l

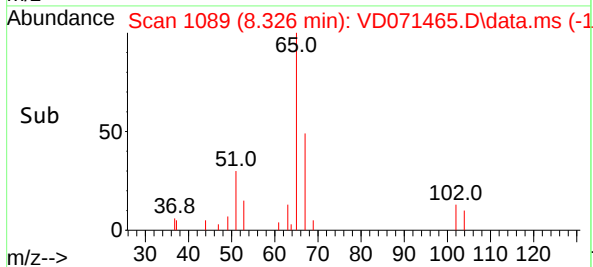
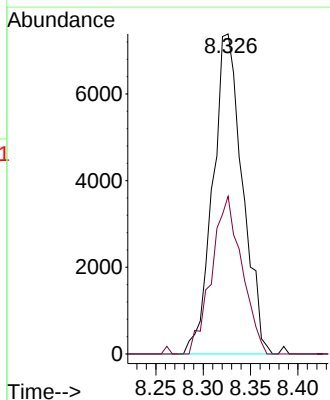
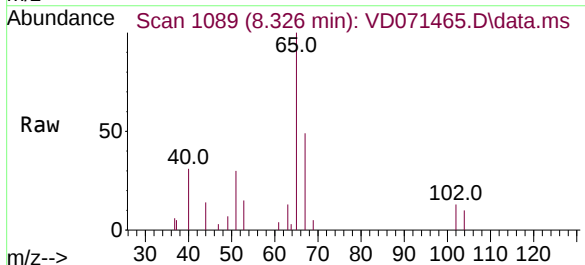
RT: 8.326 min Scan# 1089

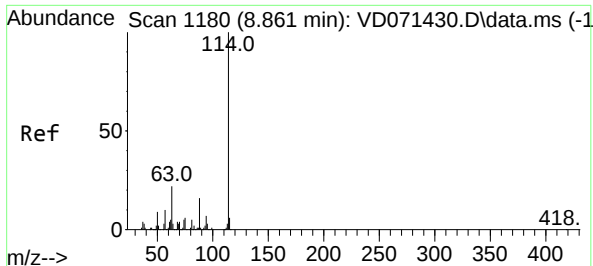
Delta R.T. 0.000 min

Lab File: VD071465.D

Acq: 25 Dec 2021 18:36

Tgt Ion:	65	Resp:	16097
Ion Ratio	Lower	Upper	
65	100		
67	50.0	0.0	112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1180

Delta R.T. -0.005 min

Lab File: VD071465.D

Acq: 25 Dec 2021 18:36

Instrument :

MSVOA_D

ClientSampleId :

TP-(3.5-7.0)-12-21-2021

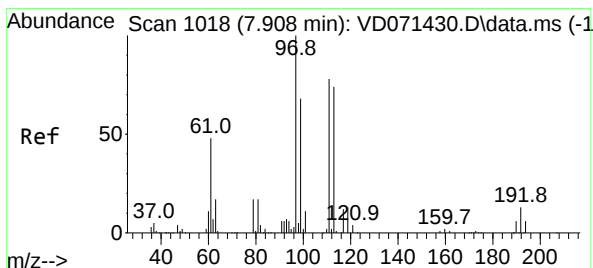
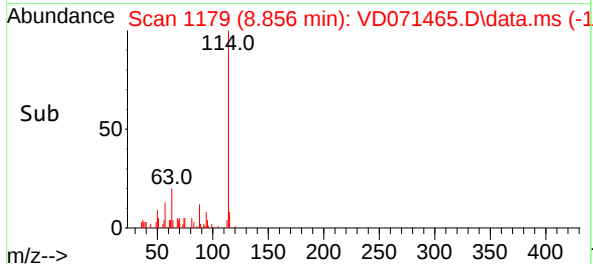
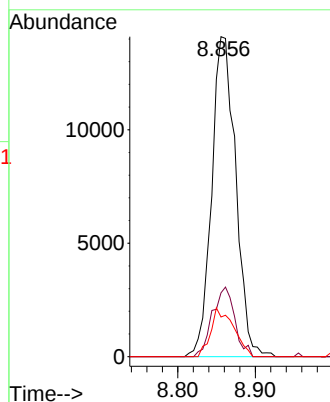
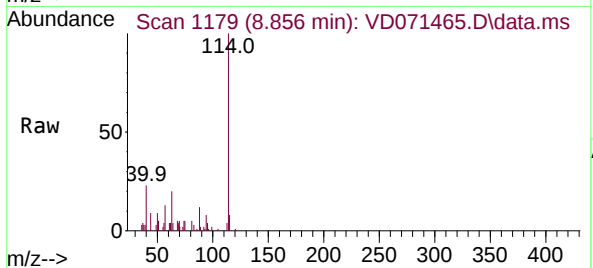
Tgt Ion:114 Resp: 30421

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.8

88 12.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 39.951 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD071465.D

Acq: 25 Dec 2021 18:36

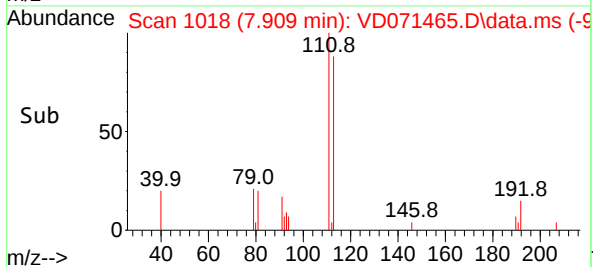
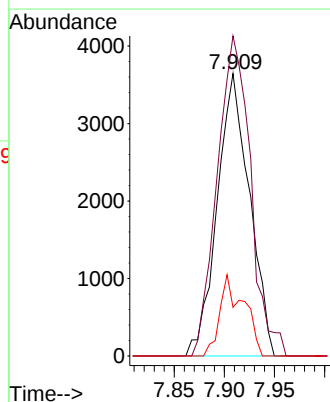
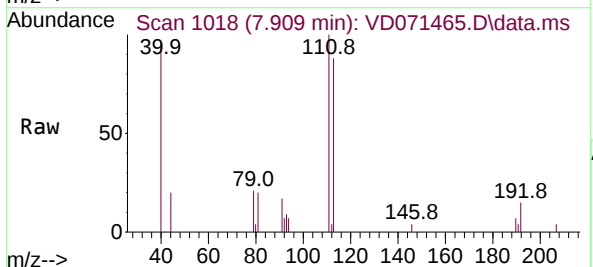
Tgt Ion:113 Resp: 8168

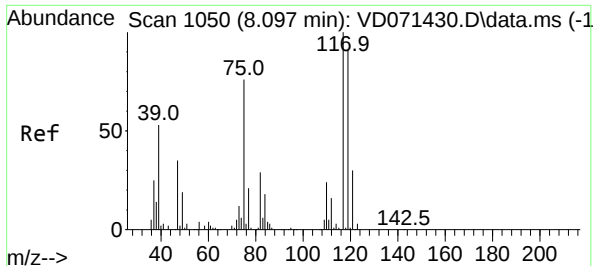
Ion Ratio Lower Upper

113 100

111 116.8 82.0 123.0

192 21.4 15.2 22.8

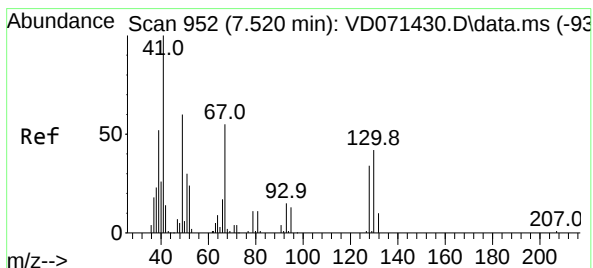
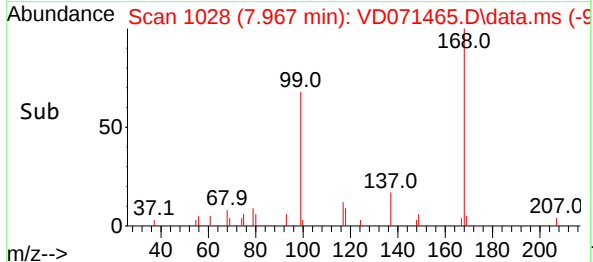
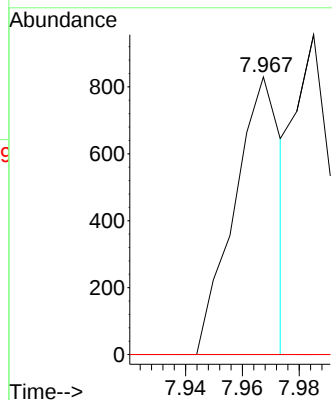
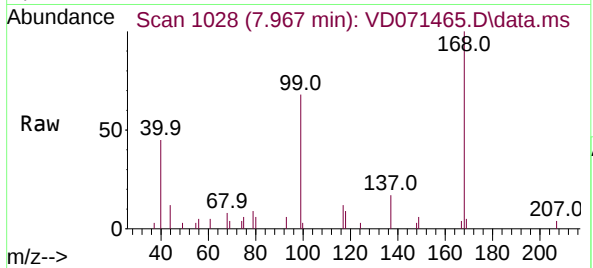




#38
Carbon Tetrachloride
Concen: 2.976 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

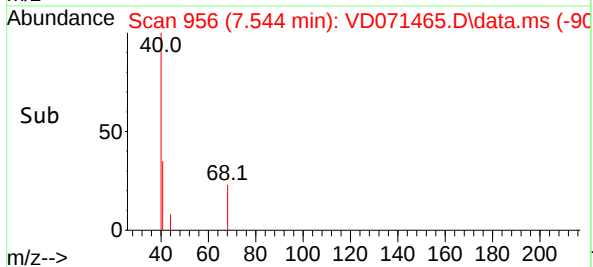
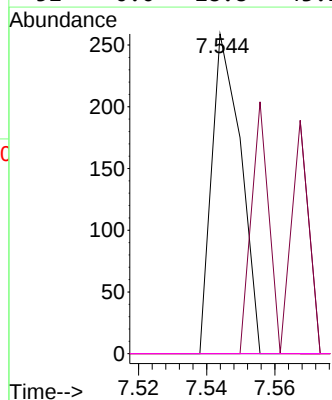
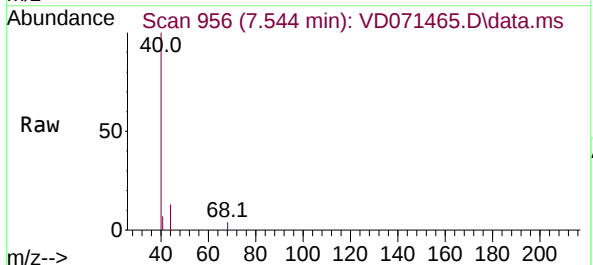
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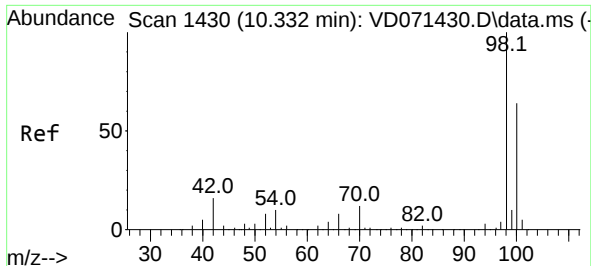
Tgt Ion:117 Resp: 959
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 1.708 ug/l
RT: 7.544 min Scan# 956
Delta R.T. 0.018 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion: 41 Resp: 153
Ion Ratio Lower Upper
41 100
39 90.8 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

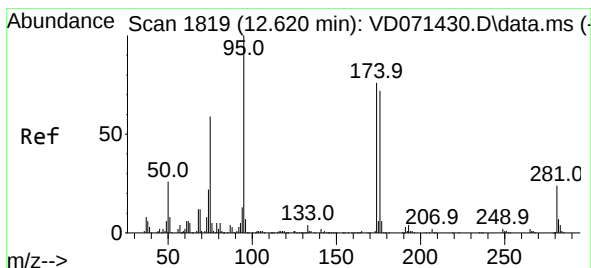
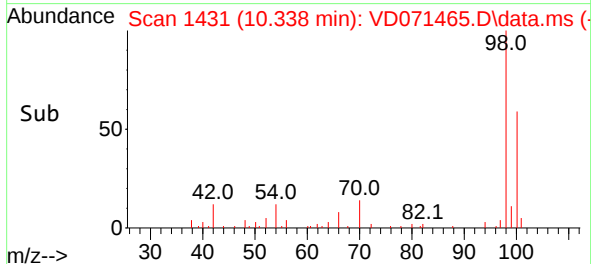
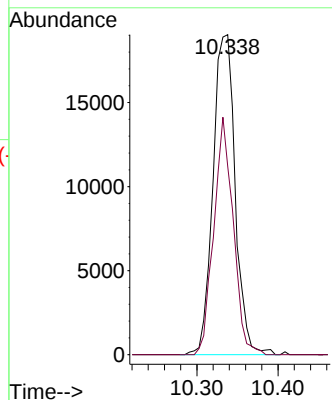
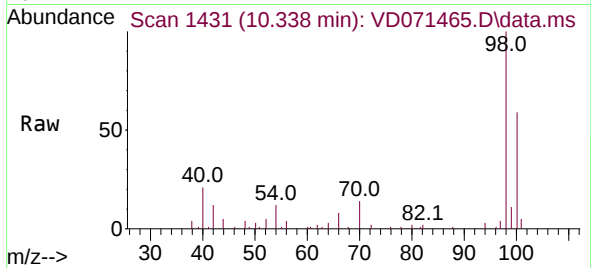




#50
Toluene-d8
Concen: 46.870 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

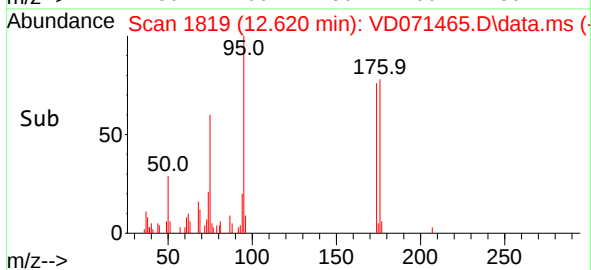
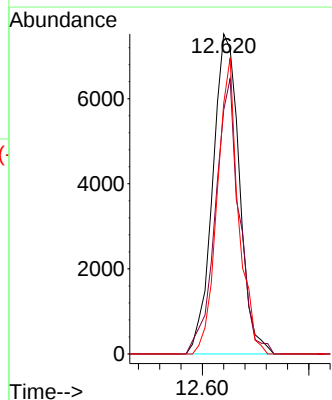
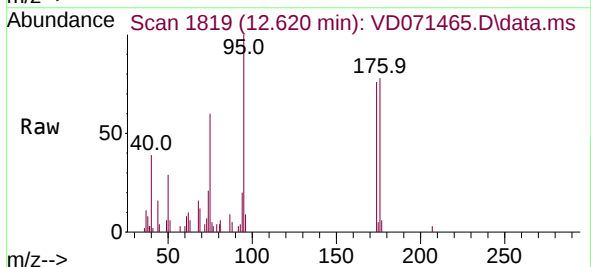
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

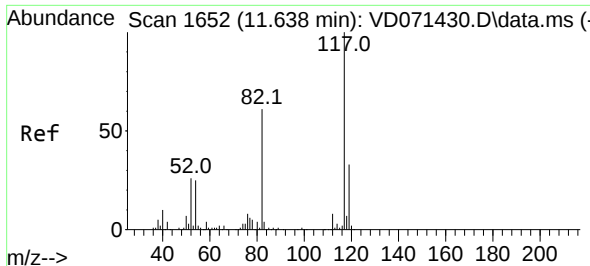
Tgt Ion: 98 Resp: 36213
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 47.583 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion: 95 Resp: 13064
Ion Ratio Lower Upper
95 100
174 77.5 0.0 159.4
176 73.1 0.0 154.0

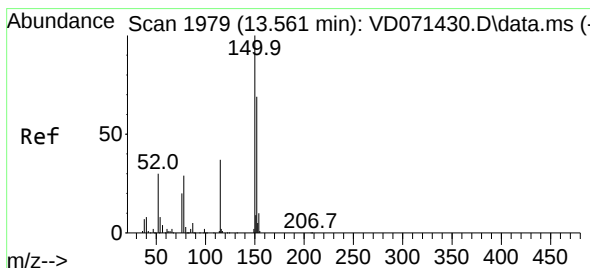
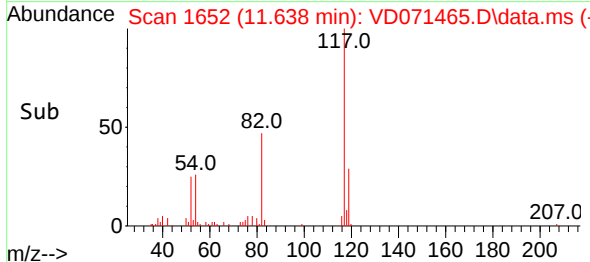
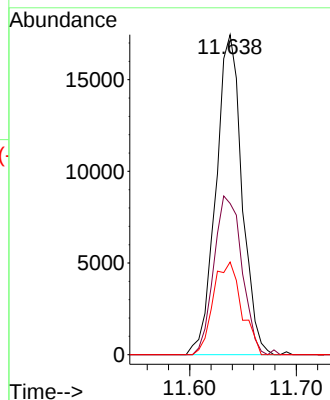
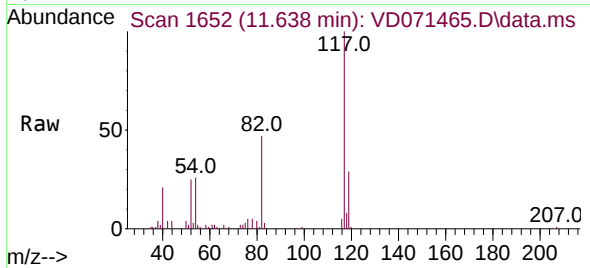




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

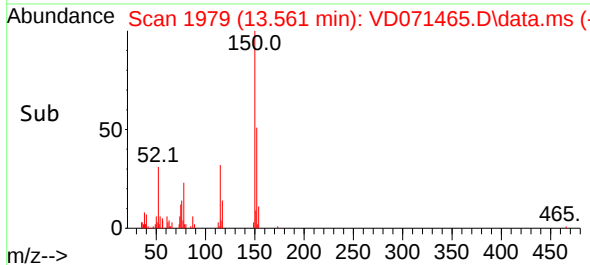
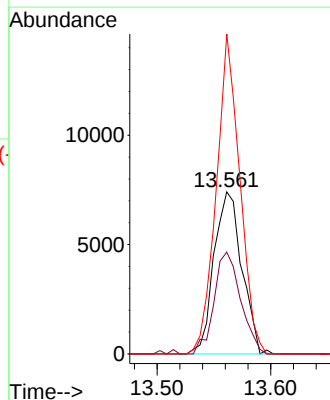
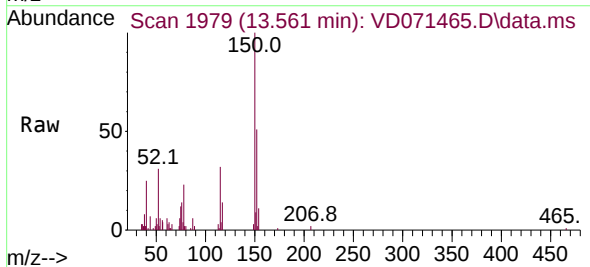
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

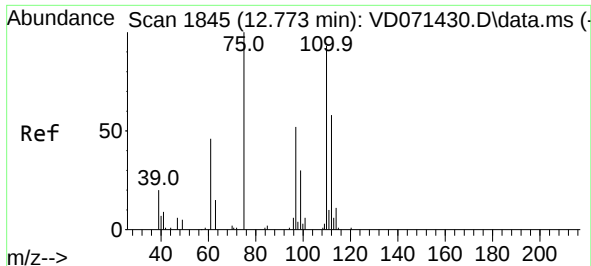
Tgt Ion:	117	Resp:	29610
Ion Ratio	Lower	Upper	
117	100		
82	47.3	44.7	67.1
119	28.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion:	152	Resp:	12634
Ion Ratio	Lower	Upper	
152	100		
115	60.0	29.8	89.3
150	167.0	0.0	349.2

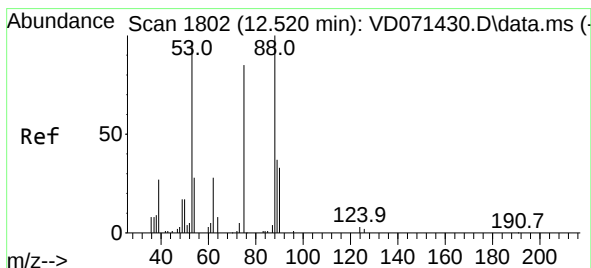
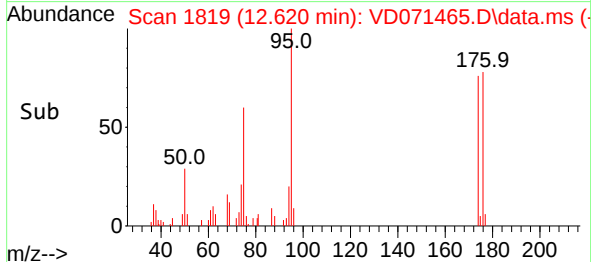
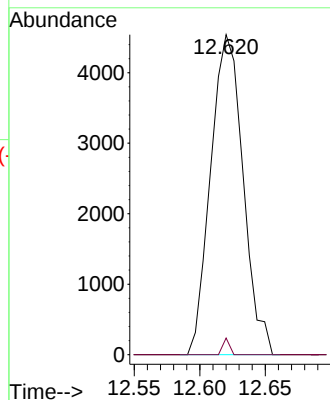
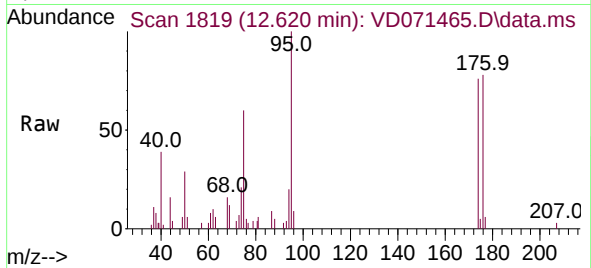




#76
1,2,3-Trichloropropane
Concen: 52.080 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

Tgt Ion: 75 Resp: 7818
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.154 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion: 75 Resp: 7818
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

