

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051122\
 Data File : VD072939.D
 Acq On : 11 May 2022 19:10
 Operator : VA/SY
 Sample : N2749-19
 Misc : 4.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7

Quant Time: May 12 04:15:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	313614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	572165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	581189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	194090	47.677	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.360%
35) Dibromofluoromethane	7.909	113	189249	47.096	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.200%
50) Toluene-d8	10.332	98	699780	48.548	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.620	95	264316	49.178	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	812	Below Cal		92
11) Tert butyl alcohol	5.179	59	14047	39.881 ug/l	#	74
16) Acetone	4.162	43	6374	Below Cal		91
18) Methyl Acetate	4.673	43	63	Below Cal	#	55
20) Methylene Chloride	4.956	84	10667	Below Cal	#	71
25) 2-Butanone	7.191	43	1240	1.045 ug/l	#	52
31) Cyclohexane	7.967	56	8329	1.170 ug/l	#	36
36) 1,1-Dichloropropene	7.973	75	27543	4.215 ug/l	#	50
38) Carbon Tetrachloride	7.967	117	33365	4.919 ug/l	#	17
76) 1,2,3-Trichloropropane	12.620	75	136579	46.306 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	136579	106.484 ug/l	#	7

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

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Response via : Initial Calibration

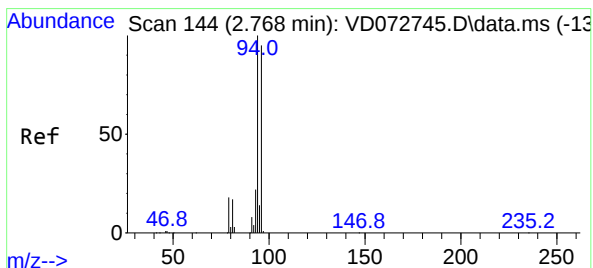
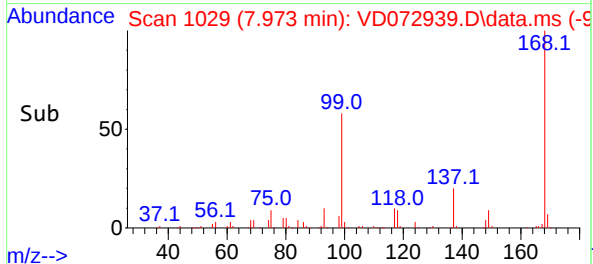
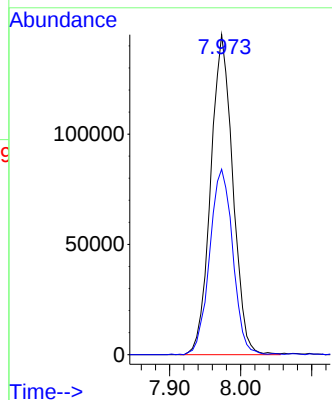
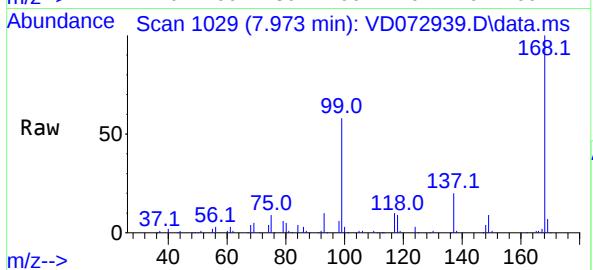




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

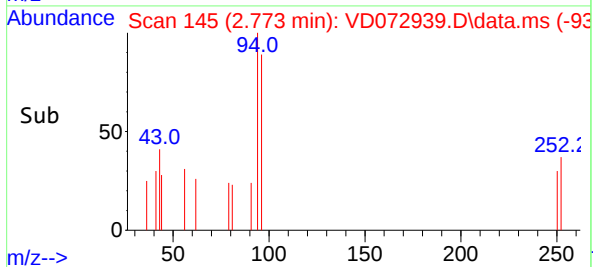
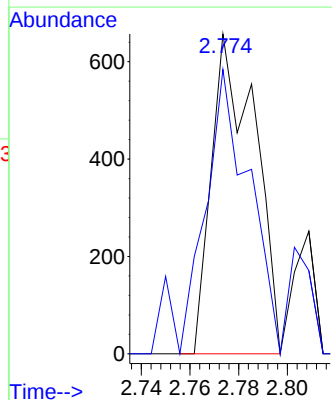
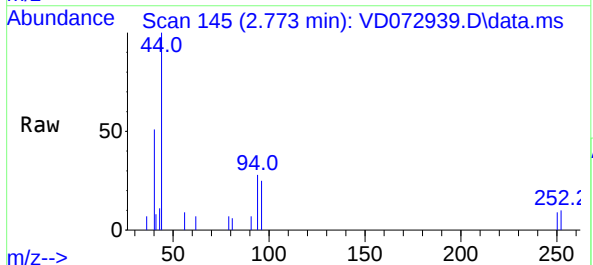
Instrument :
MSVOA_D
ClientSampleId :
TP-7

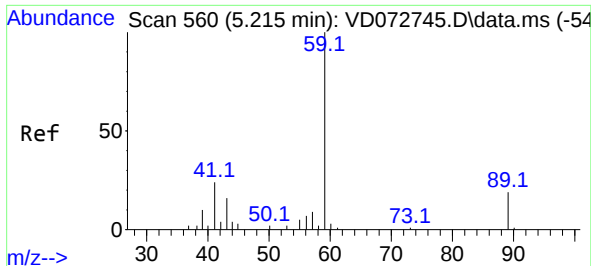
Tgt Ion:168 Resp: 313614
Ion Ratio Lower Upper
168 100
99 57.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Tgt Ion: 94 Resp: 812
Ion Ratio Lower Upper
94 100
96 88.9 77.6 116.4





#11

Tert butyl alcohol

Concen: 39.881 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD072939.D

Acq: 11 May 2022 19:10

Instrument :

MSVOA_D

ClientSampleId :

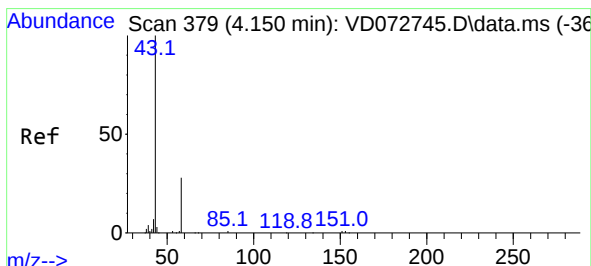
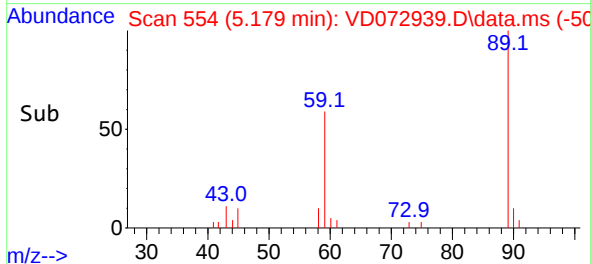
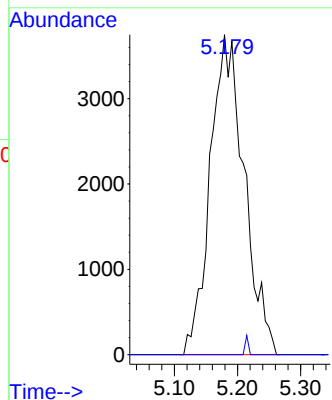
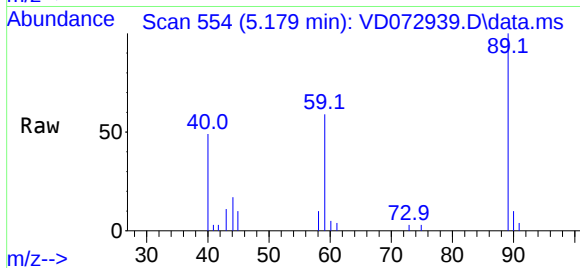
TP-7

Tgt Ion: 59 Resp: 14047

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.162 min Scan# 381

Delta R.T. 0.012 min

Lab File: VD072939.D

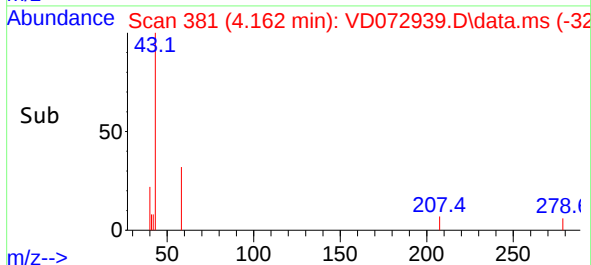
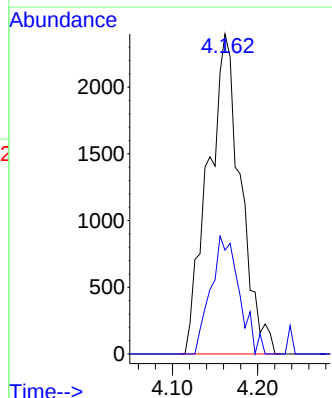
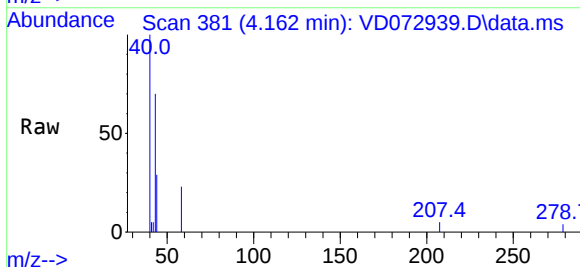
Acq: 11 May 2022 19:10

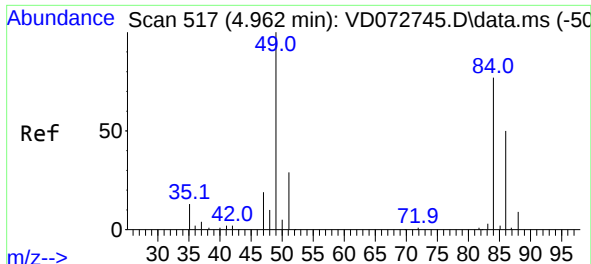
Tgt Ion: 43 Resp: 6374

Ion Ratio Lower Upper

43 100

58 32.4 22.1 33.1



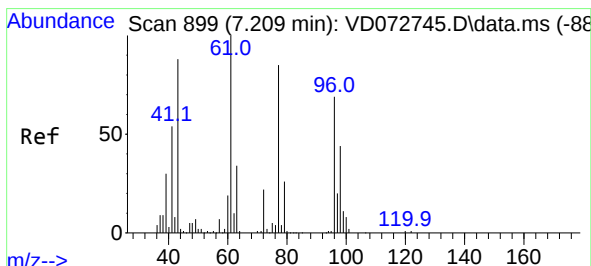
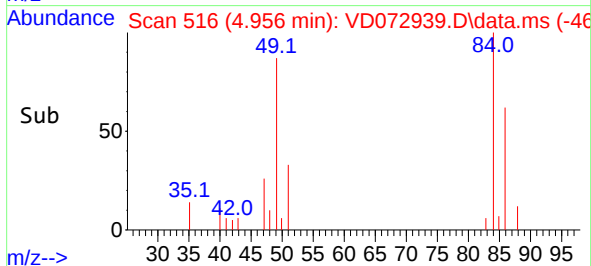
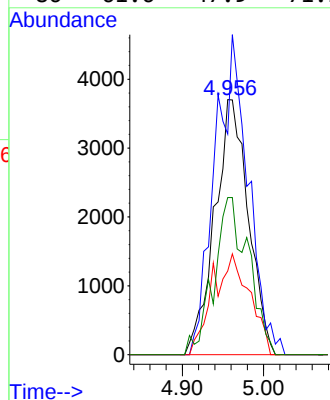
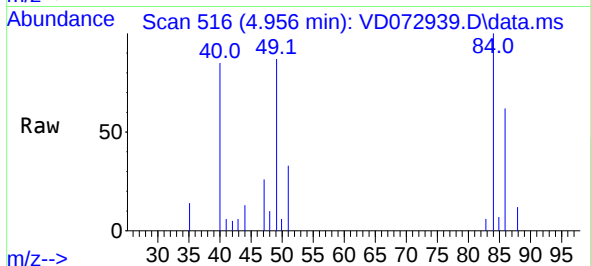


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-7

Tgt Ion: 84 Resp: 10667

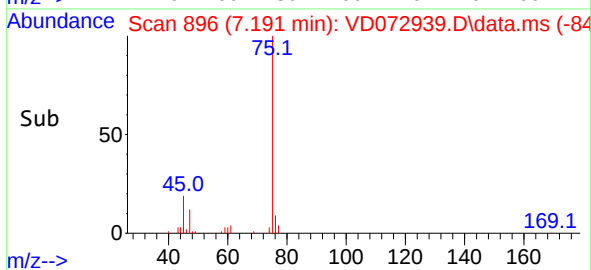
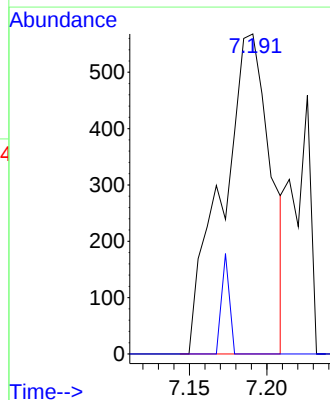
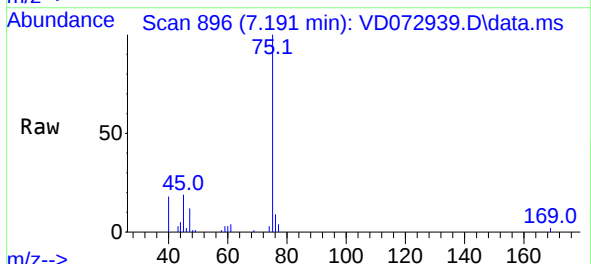
Ion	Ratio	Lower	Upper
84	100		
49	86.5	112.8	169.2#
51	32.8	32.6	48.8
86	61.6	47.9	71.9

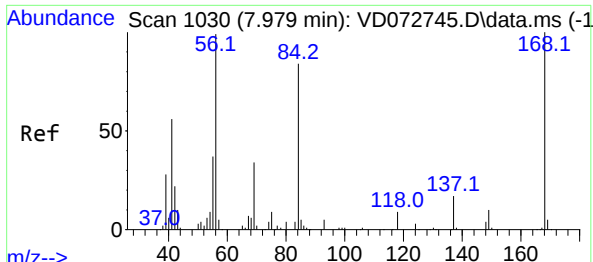


#25
2-Butanone
Concen: 1.045 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Tgt Ion: 43 Resp: 1240

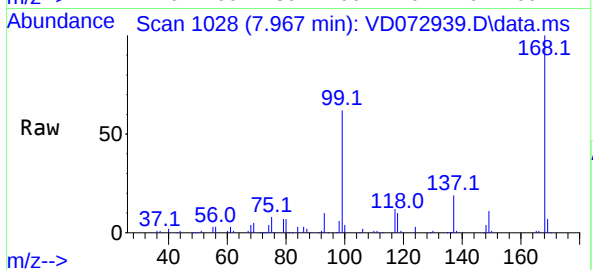
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



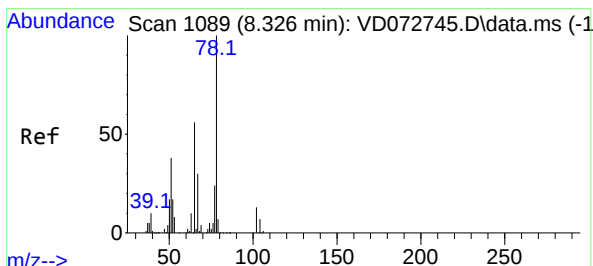
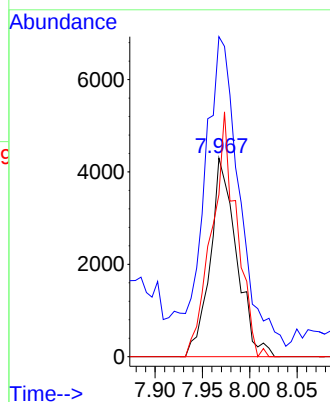
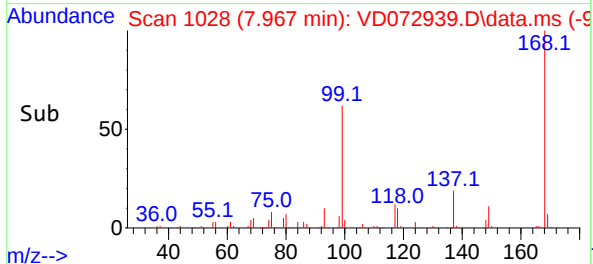


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-7

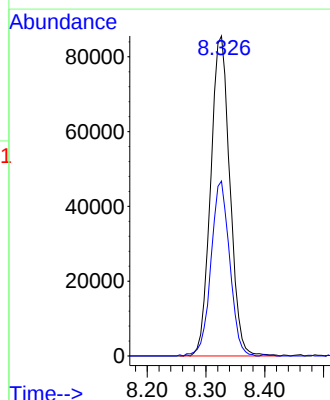
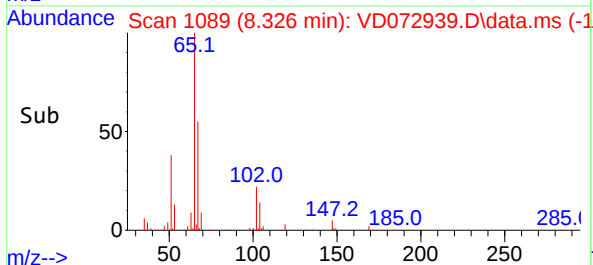
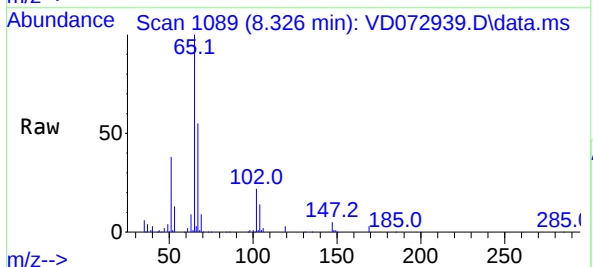


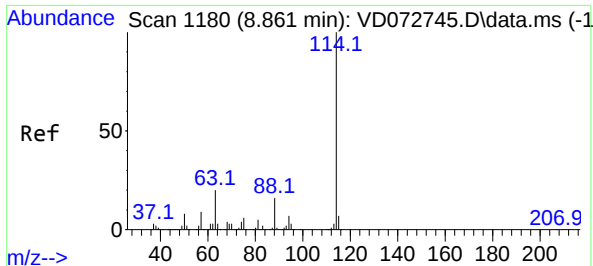
Tgt Ion: 56 Resp: 8329
Ion Ratio Lower Upper
56 100
69 150.2 25.4 38.2#
84 81.6 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 47.677 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Tgt Ion: 65 Resp: 194090
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1180

Delta R.T. -0.005 min

Lab File: VD072939.D

Acq: 11 May 2022 19:10

Instrument :

MSVOA_D

ClientSampleId :

TP-7

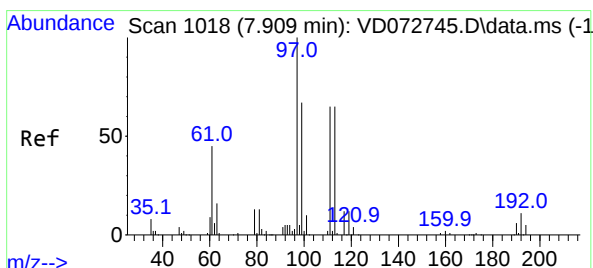
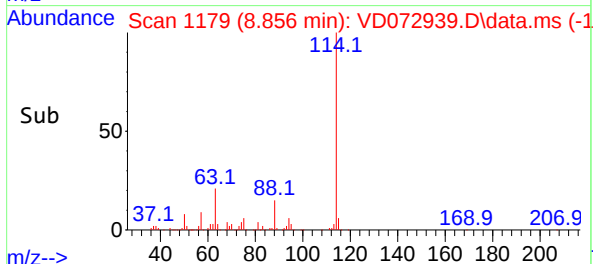
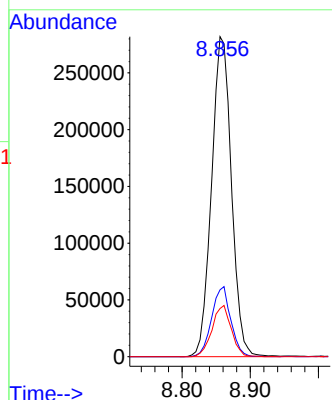
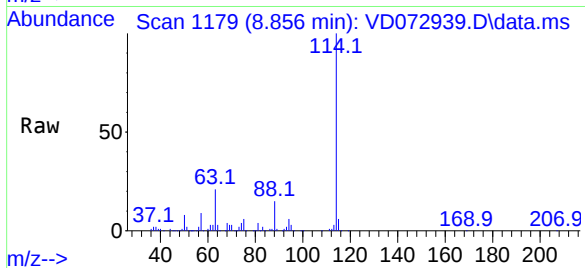
Tgt Ion:114 Resp: 572165

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.096 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072939.D

Acq: 11 May 2022 19:10

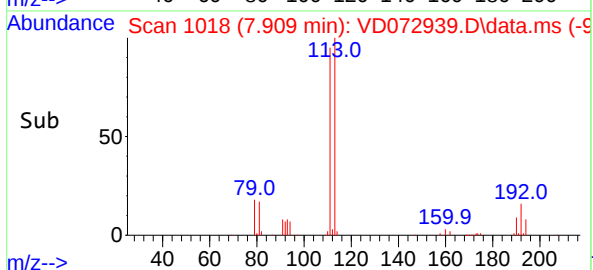
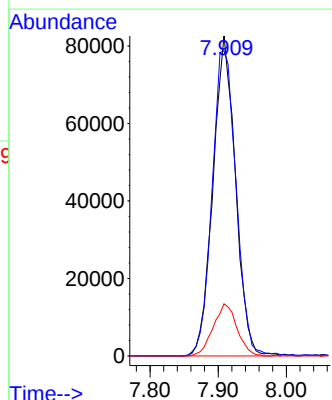
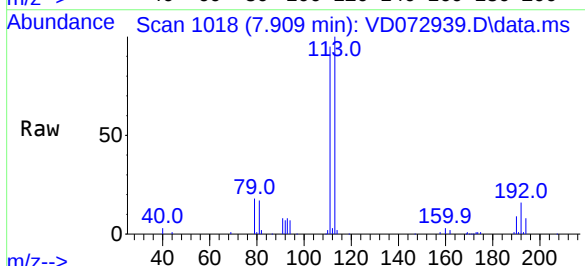
Tgt Ion:113 Resp: 189249

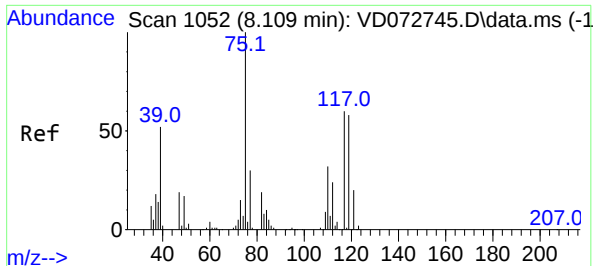
Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 17.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.215 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072939.D

Acq: 11 May 2022 19:10

Instrument :

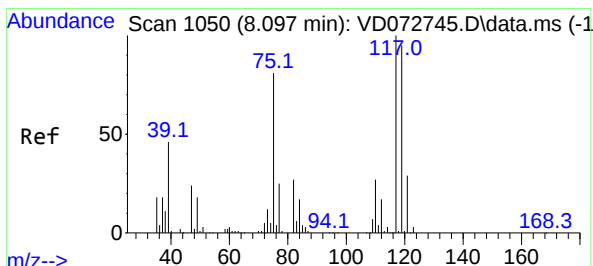
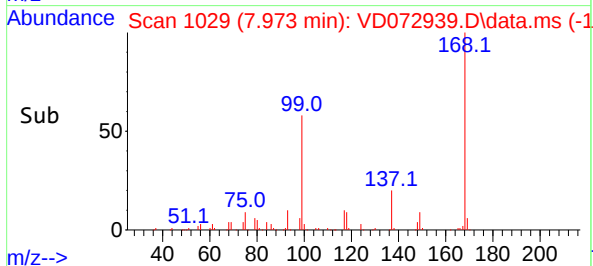
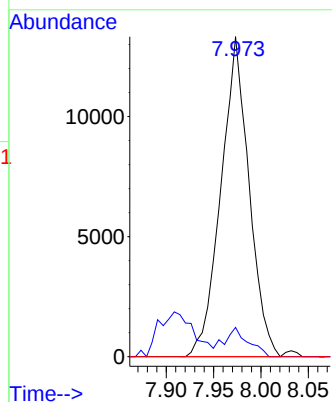
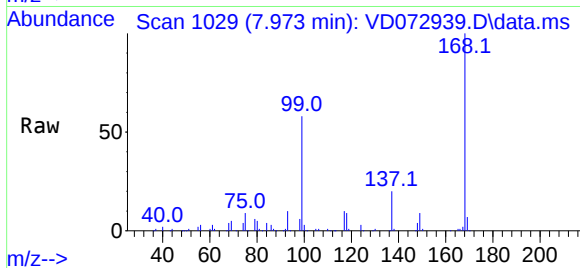
MSVOA_D

ClientSampleId :

TP-7

Tgt Ion: 75 Resp: 27543

Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 4.919 ug/l

RT: 7.967 min Scan# 1028

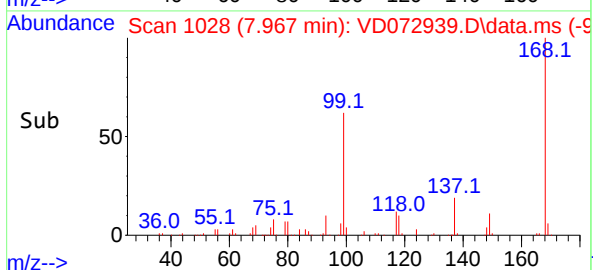
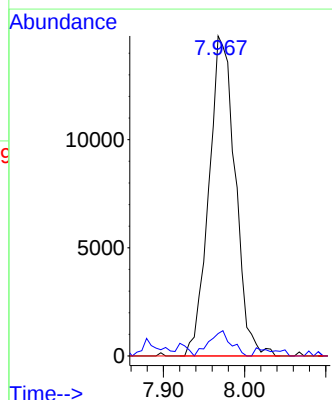
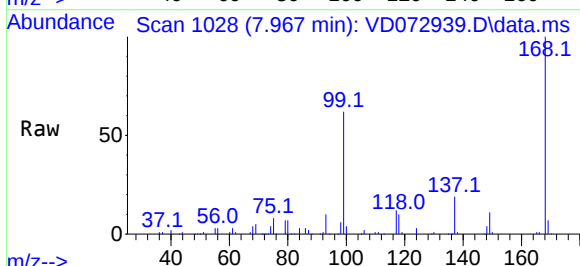
Delta R.T. -0.130 min

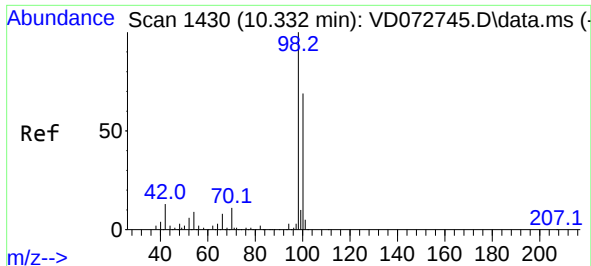
Lab File: VD072939.D

Acq: 11 May 2022 19:10

Tgt Ion: 117 Resp: 33365

Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.8	113.6#
121	0.0	24.5	36.7#

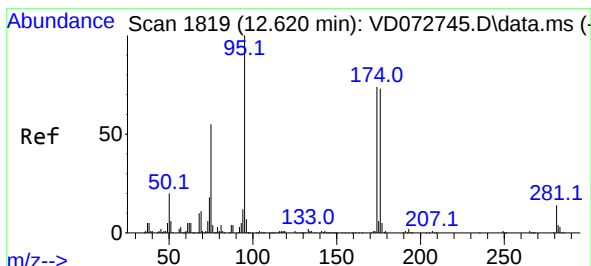
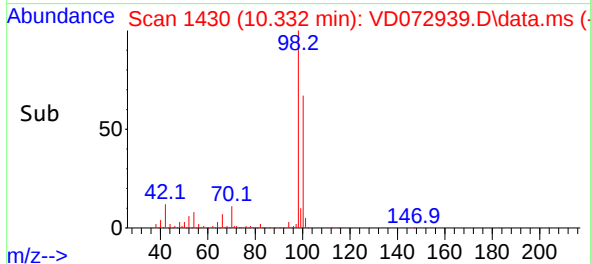
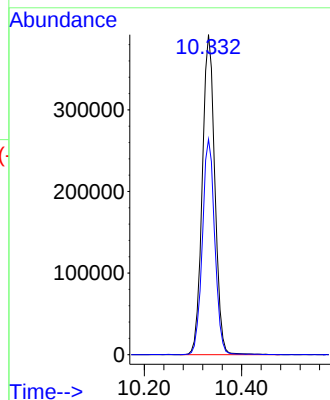
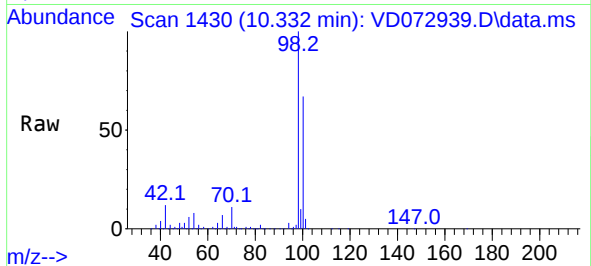




#50
Toluene-d8
Concen: 48.548 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

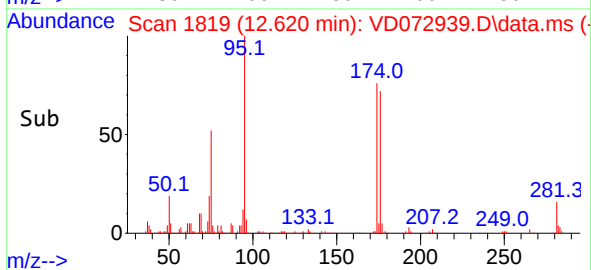
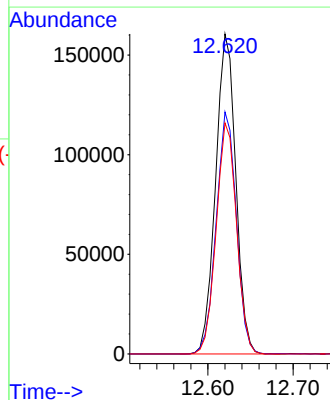
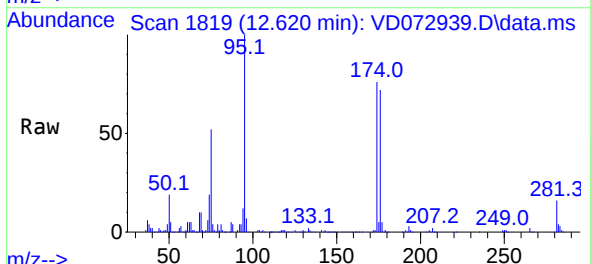
Instrument :
MSVOA_D
ClientSampleId :
TP-7

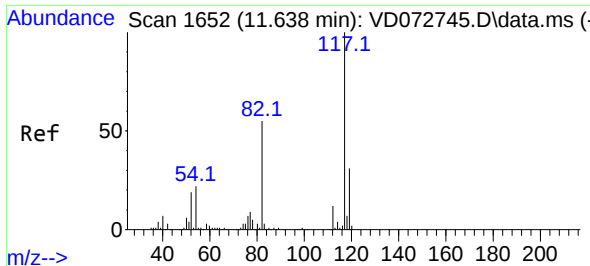
Tgt Ion: 98 Resp: 699780
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.178 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Tgt Ion: 95 Resp: 264316
Ion Ratio Lower Upper
95 100
174 75.6 0.0 152.8
176 72.8 0.0 145.4

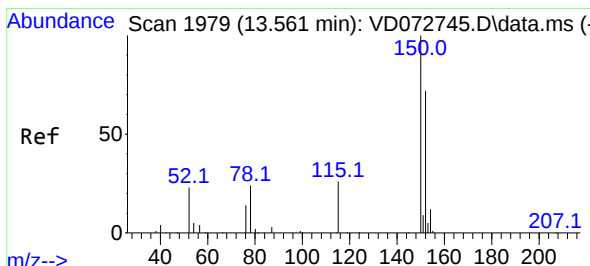
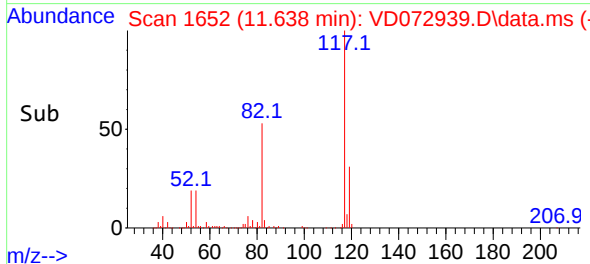
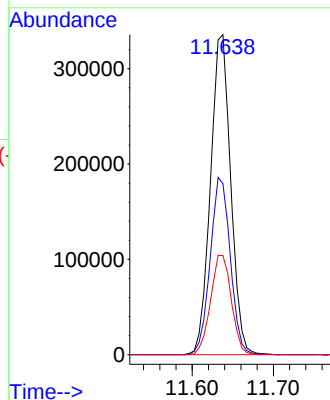
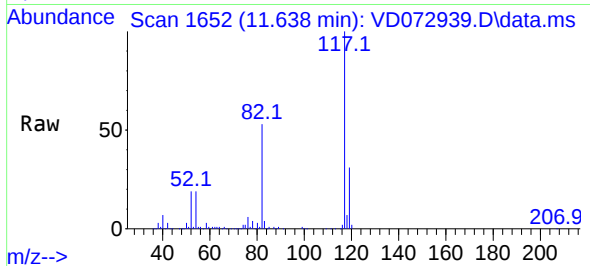




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

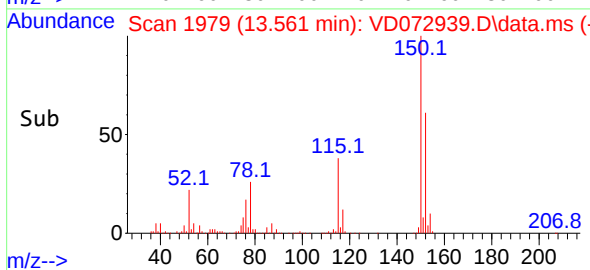
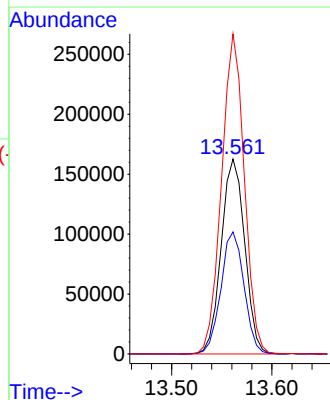
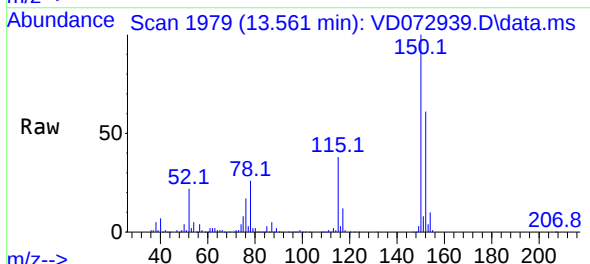
Instrument :
MSVOA_D
ClientSampleId :
TP-7

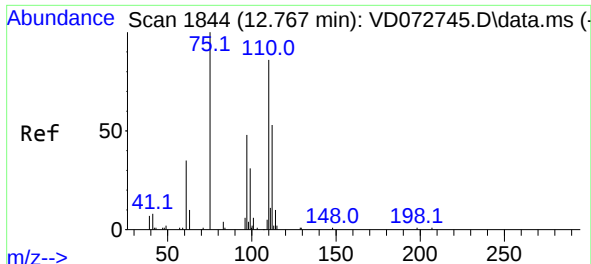
Tgt Ion:117 Resp: 581189
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 31.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Tgt Ion:152 Resp: 264515
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.8
150 159.1 0.0 348.6

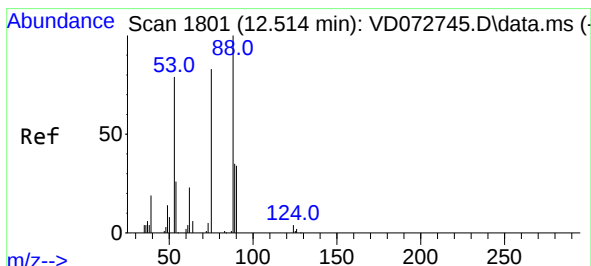
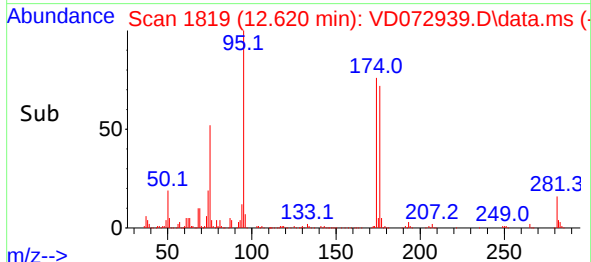
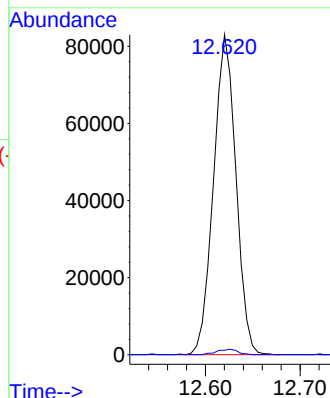
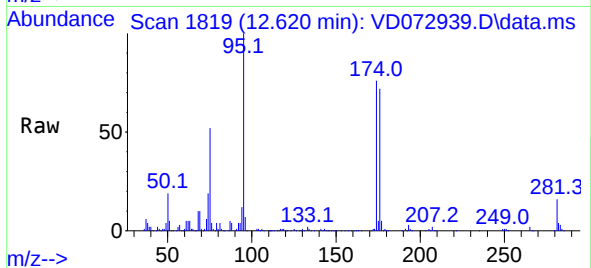




#76
1,2,3-Trichloropropane
Concen: 46.306 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-7

Tgt Ion: 75 Resp: 136579
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.484 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072939.D
Acq: 11 May 2022 19:10

Tgt Ion: 75 Resp: 136579
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.3 33.9 50.9#

