

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073279.D
 Acq On : 23 May 2022 13:21
 Operator : VA/SY
 Sample : N2816-22
 Misc : 5.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS014-0006-01

Quant Time: May 24 03:26:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

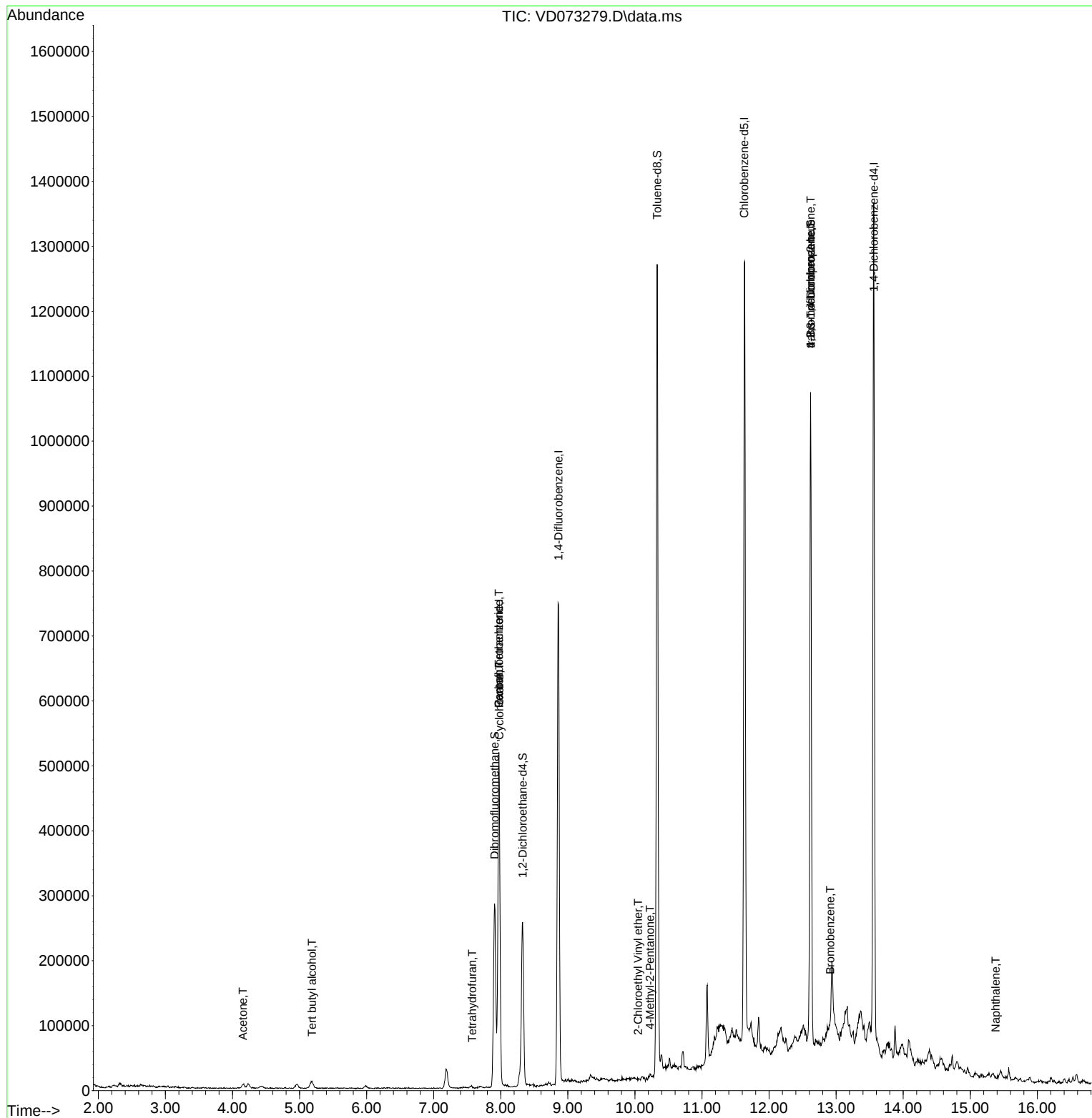
Internal Standards						
1) Pentafluorobenzene	7.973	168	357138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	647995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	713526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	340905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	195796	49.608	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.220%
35) Dibromofluoromethane	7.908	113	207285	48.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.960%
50) Toluene-d8	10.332	98	839850	53.283	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.560%
62) 4-Bromofluorobenzene	12.620	95	341844	61.799	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1079	Below Cal		97
11) Tert butyl alcohol	5.185	59	9464	15.455	ug/l #	74
16) Acetone	4.156	43	11374	16.637	ug/l	90
20) Methylene Chloride	4.973	84	5314	Below Cal	#	62
29) Tetrahydrofuran	7.573	42	967	1.495	ug/l #	80
31) Cyclohexane	7.979	56	9346	1.355	ug/l #	4
38) Carbon Tetrachloride	7.973	117	37717	5.786	ug/l #	18
51) 4-Methyl-2-Pentanone	10.226	43	3844	1.576	ug/l #	80
58) 2-Chloroethyl Vinyl ether	10.049	63	58	21.650	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	172423	51.549	ug/l #	100
77) Bromobenzene	12.914	156	17379	3.038	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	172423	123.752	ug/l #	7
95) Naphthalene	15.379	128	2675	3.764	ug/l #	73

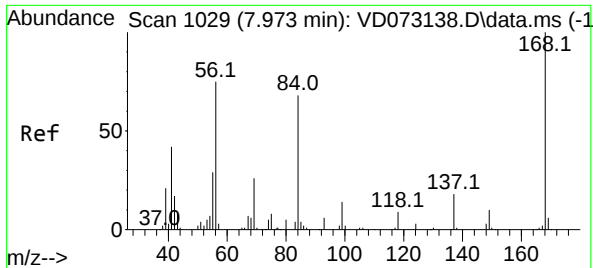
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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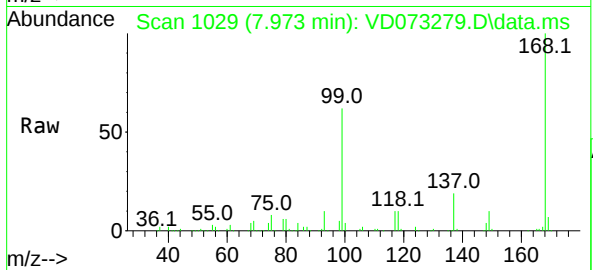
Quant Time: May 24 03:26:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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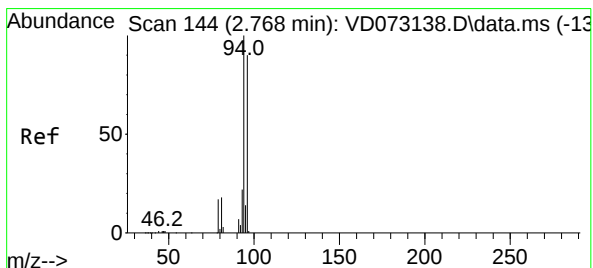
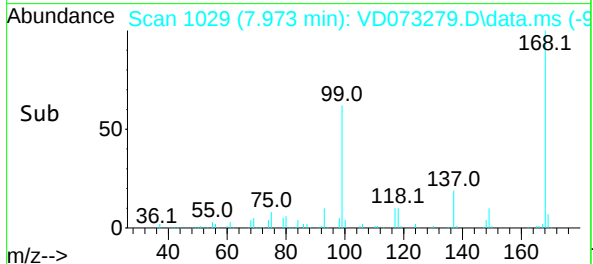
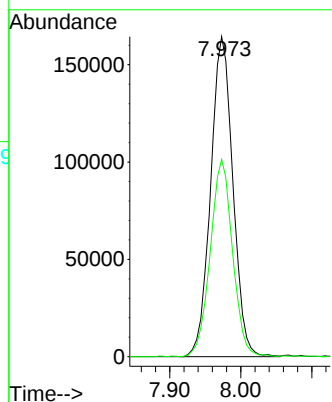


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Instrument :
MSVOA_D
ClientSampleId :
P007-SS014-0006-01

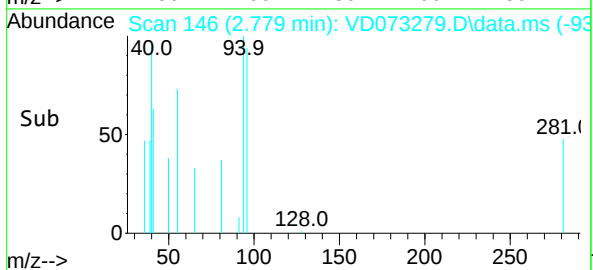
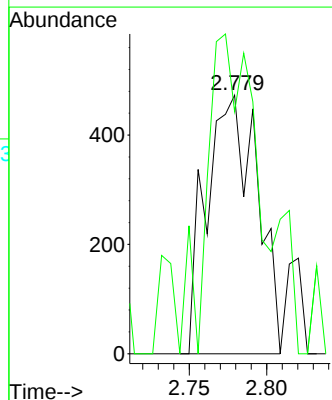
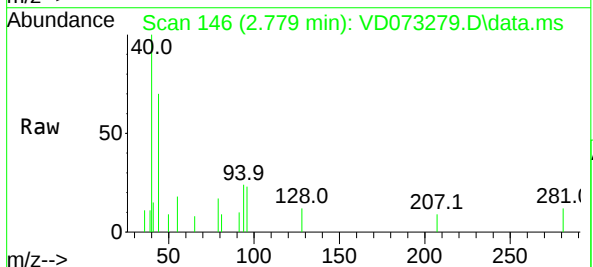


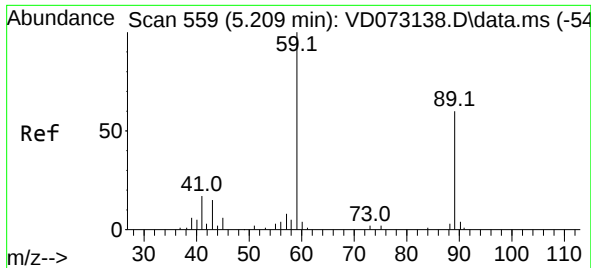
Tgt Ion:168 Resp: 357138
Ion Ratio Lower Upper
168 100
99 61.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Tgt Ion: 94 Resp: 1079
Ion Ratio Lower Upper
94 100
96 93.7 77.6 116.4

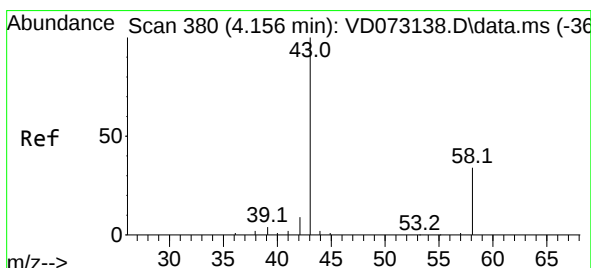
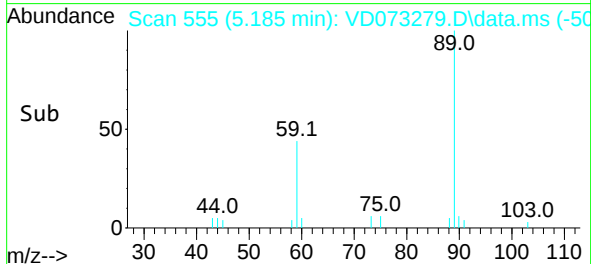
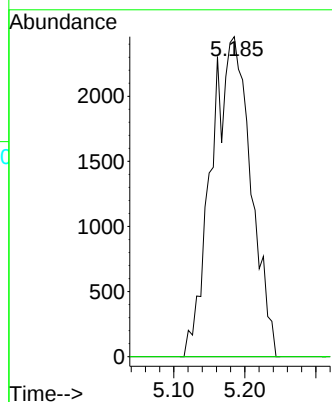
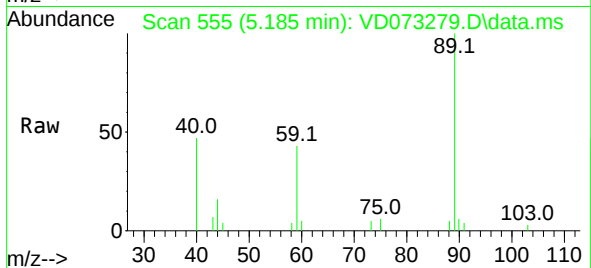




#11
Tert butyl alcohol
Concen: 15.455 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

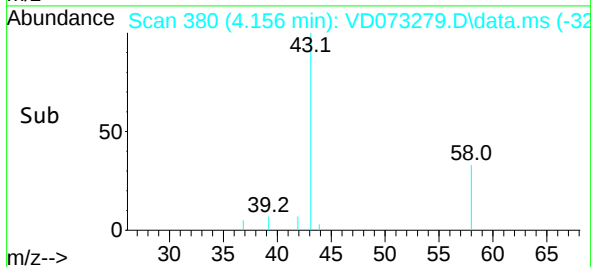
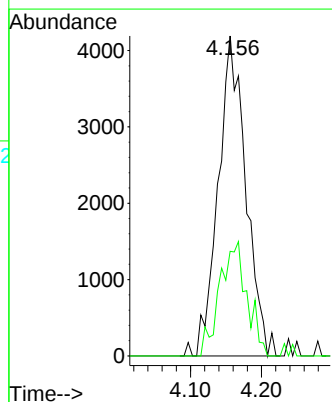
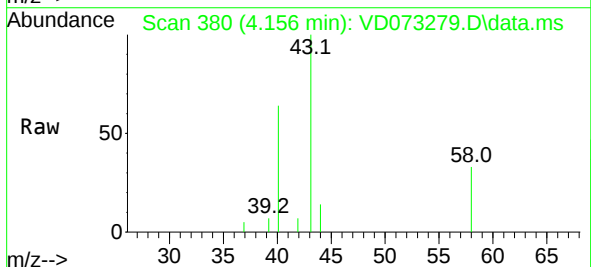
Instrument :
MSVOA_D
ClientSampleId :
P007-SS014-0006-01

Tgt Ion: 59 Resp: 9464
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 16.637 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Tgt Ion: 43 Resp: 11374
Ion Ratio Lower Upper
43 100
58 32.7 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 517

Delta R.T. 0.011 min

Lab File: VD073279.D

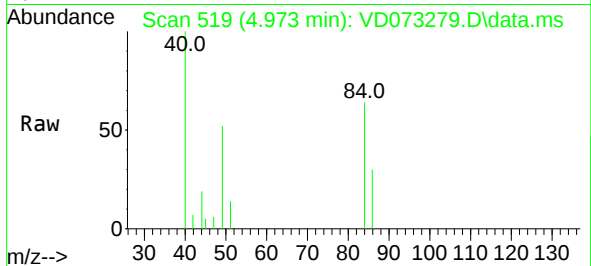
Acq: 23 May 2022 13:21

Instrument :

MSVOA_D

ClientSampleId :

P007-SS014-0006-01



Tgt Ion: 84 Resp: 5314

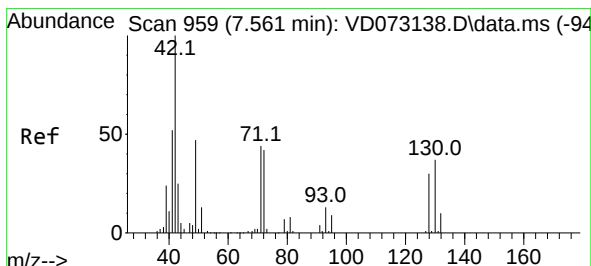
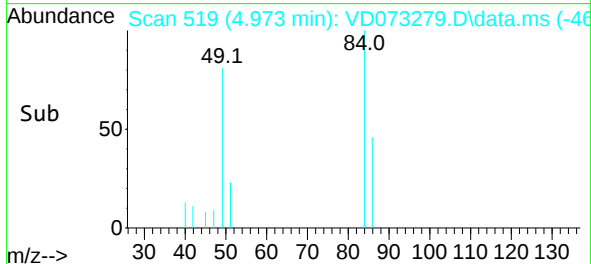
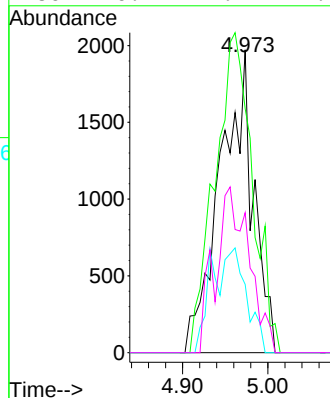
Ion Ratio Lower Upper

84 100

49 80.6 112.8 169.2#

51 22.6 32.6 48.8#

86 46.2 47.9 71.9#



#29

Tetrahydrofuran

Concen: 1.495 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.012 min

Lab File: VD073279.D

Acq: 23 May 2022 13:21

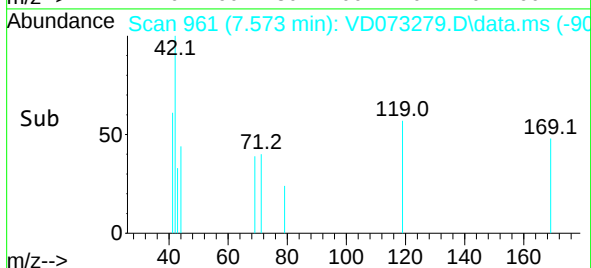
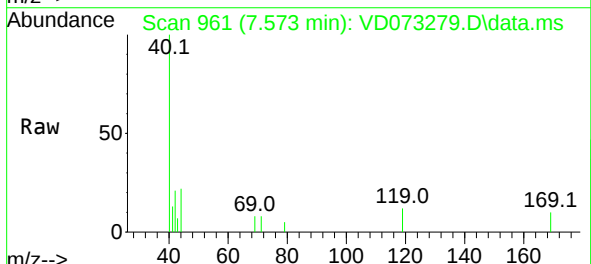
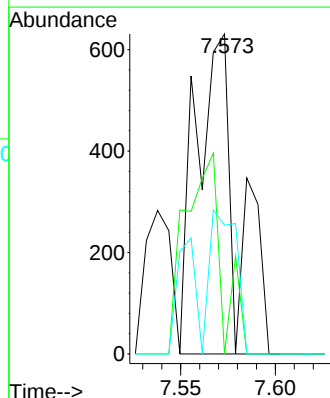
Tgt Ion: 42 Resp: 967

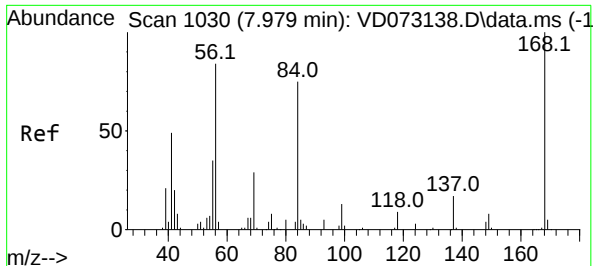
Ion Ratio Lower Upper

42 100

72 54.7 30.7 46.1#

71 29.0 28.6 43.0





#31

Cyclohexane

Concen: 1.355 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD073279.D

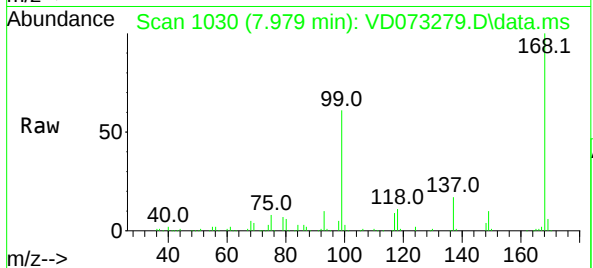
Acq: 23 May 2022 13:21

Instrument :

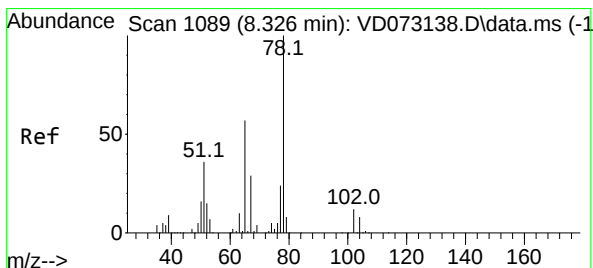
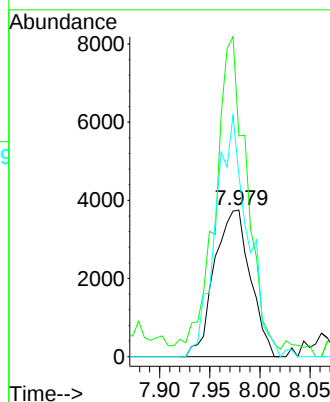
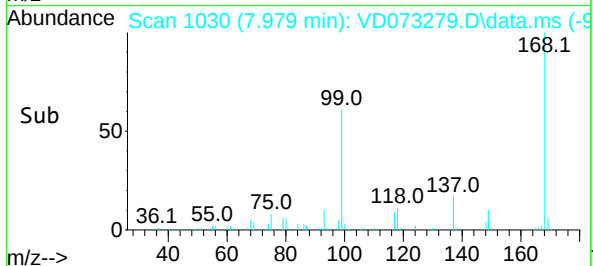
MSVOA_D

ClientSampleId :

P007-SS014-0006-01



Tgt Ion:	56	Resp:	9346
Ion Ratio	100	Lower	Upper
56	100		
69	145.7	25.4	38.2#
84	123.8	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 49.608 ug/l

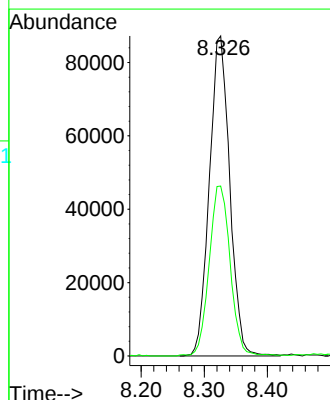
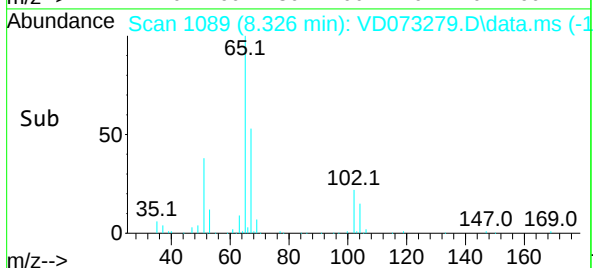
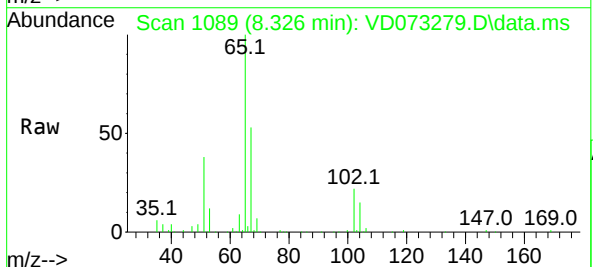
RT: 8.326 min Scan# 1089

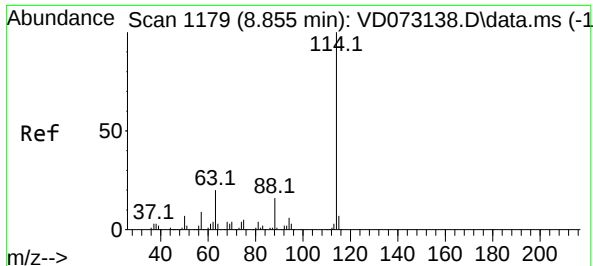
Delta R.T. 0.000 min

Lab File: VD073279.D

Acq: 23 May 2022 13:21

Tgt Ion:	65	Resp:	195796
Ion Ratio	100	Lower	Upper
65	100		
67	54.6	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073279.D

Acq: 23 May 2022 13:21

Instrument :

MSVOA_D

ClientSampleId :

P007-SS014-0006-01

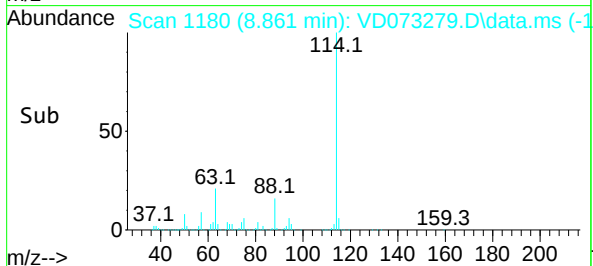
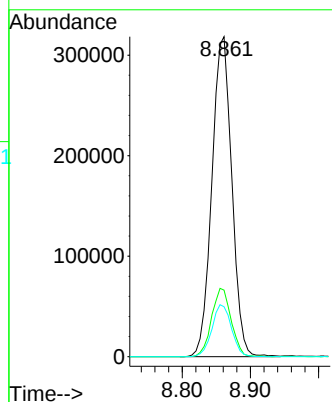
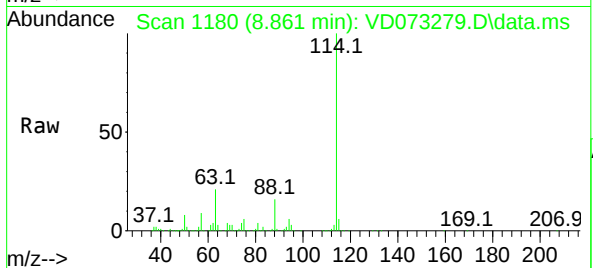
Tgt Ion:114 Resp: 647995

Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.478 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073279.D

Acq: 23 May 2022 13:21

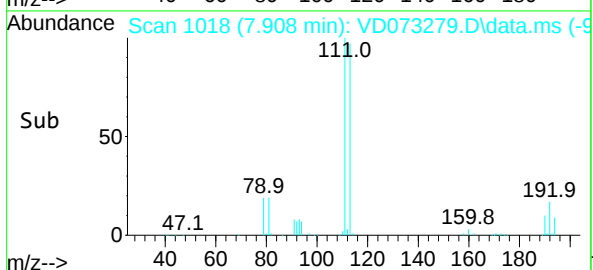
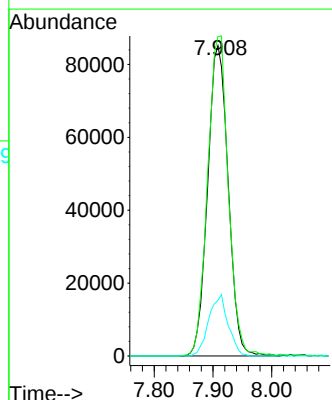
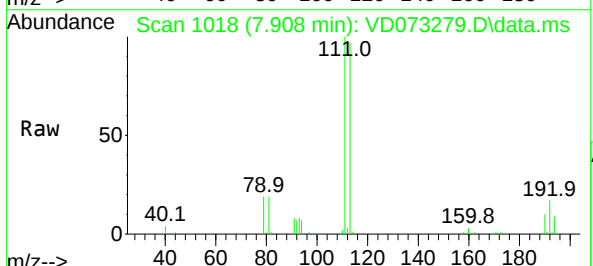
Tgt Ion:113 Resp: 207285

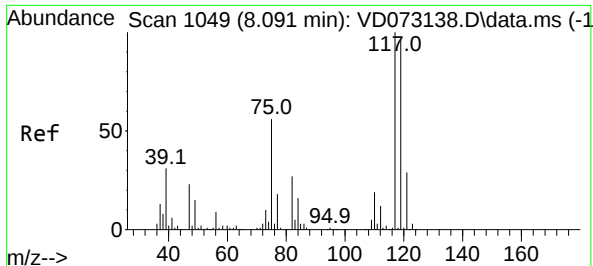
Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 18.6 14.6 21.8

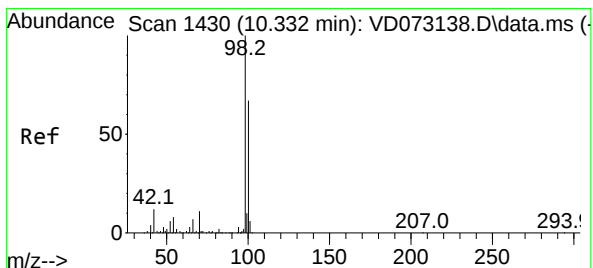
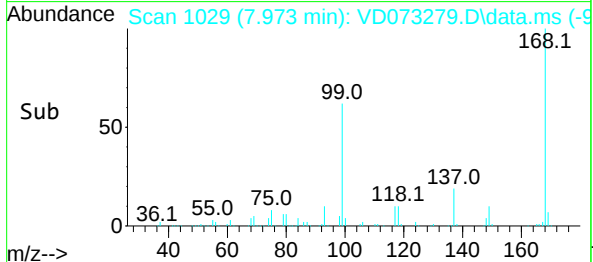
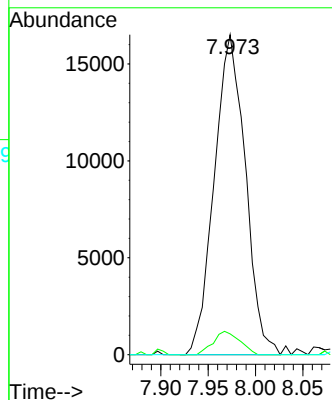
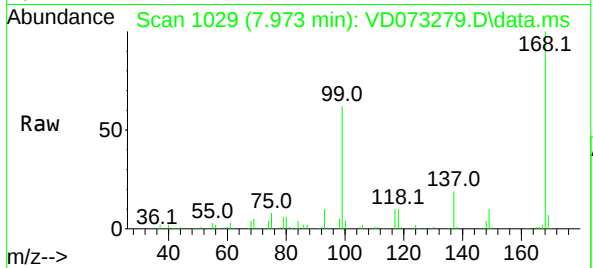




#38
Carbon Tetrachloride
Concen: 5.786 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

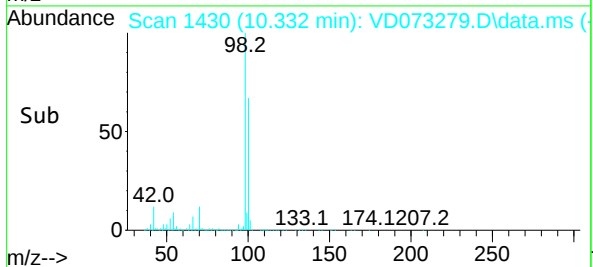
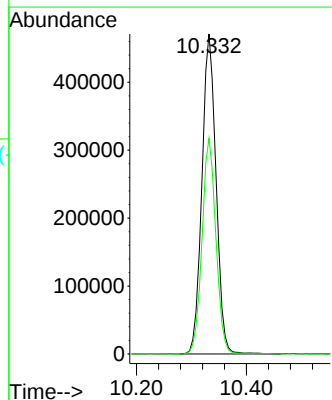
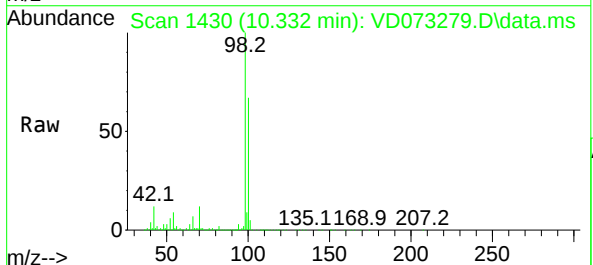
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P007-SS014-0006-01

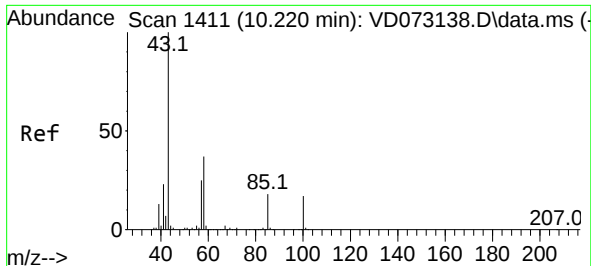
Tgt Ion:117 Resp: 37717
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.283 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Tgt Ion: 98 Resp: 839850
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

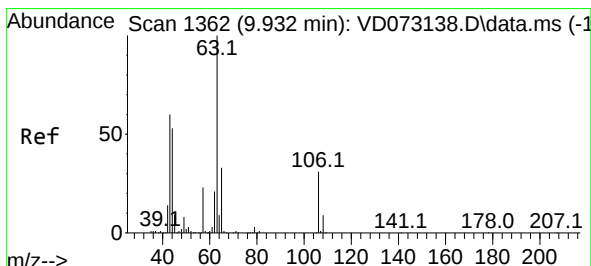
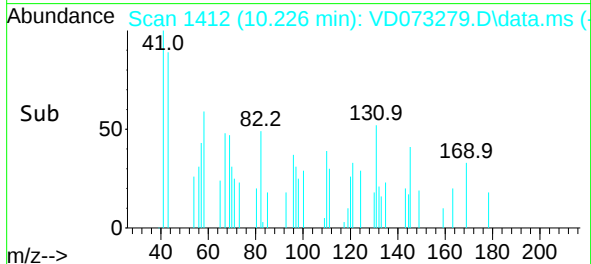
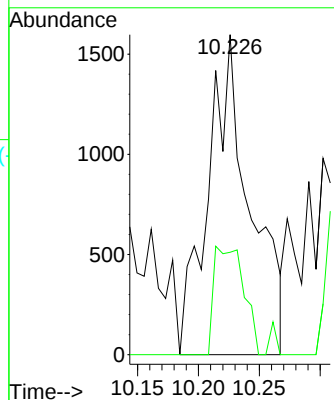
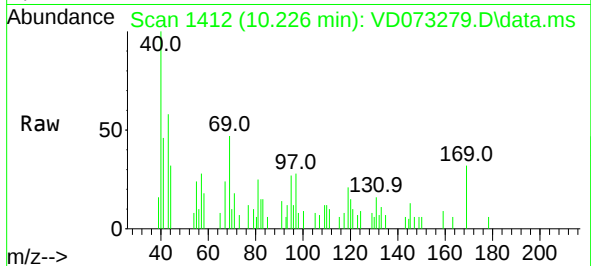




#51
4-Methyl-2-Pentanone
Concen: 1.576 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

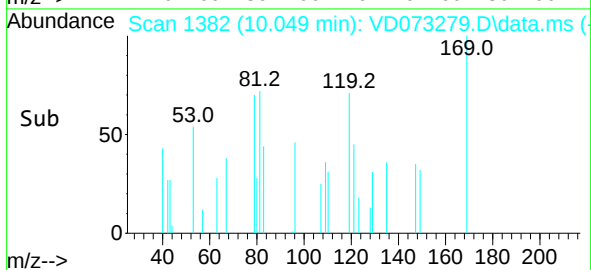
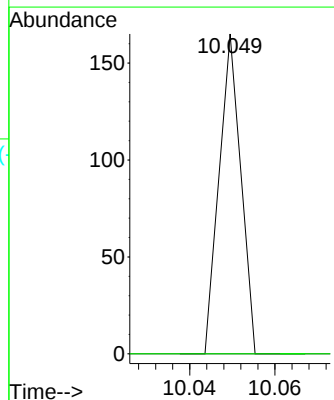
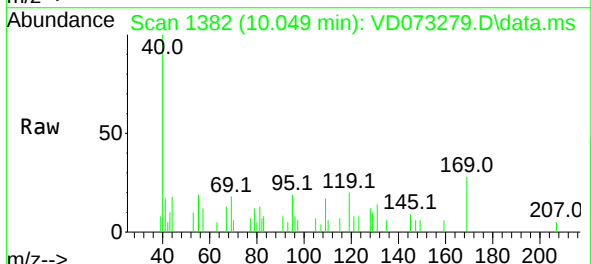
Instrument : MSVOA_D
ClientSampleId : P007-SS014-0006-01

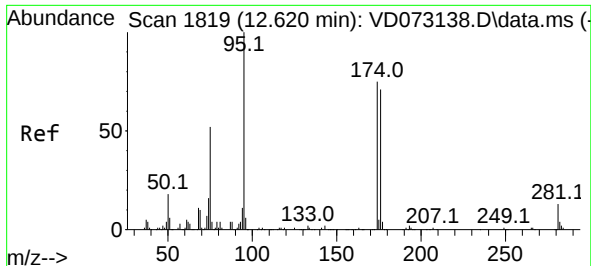
Tgt Ion: 43 Resp: 3844
Ion Ratio Lower Upper
43 100
58 24.0 28.6 43.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.650 ug/l
RT: 10.049 min Scan# 1382
Delta R.T. 0.117 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#

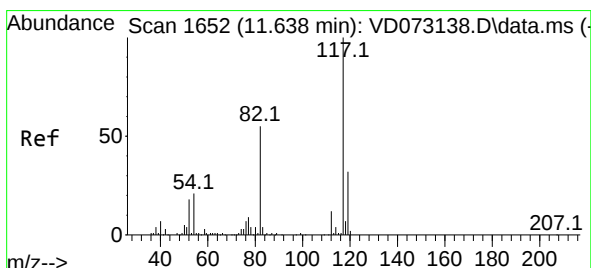
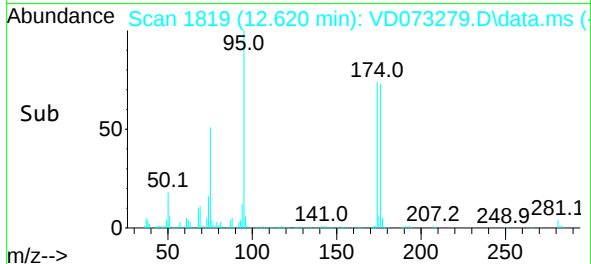
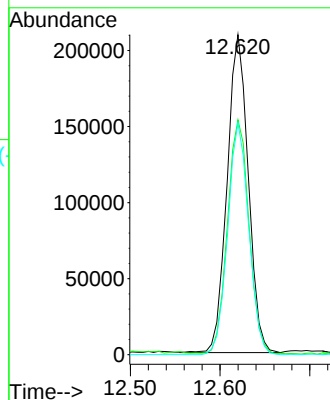
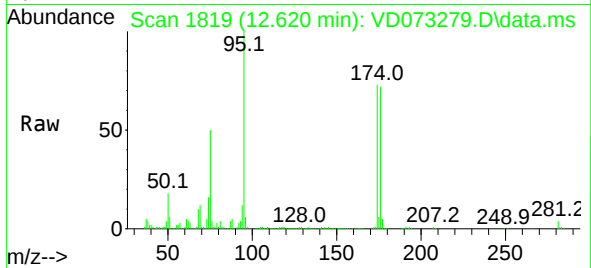




#62
4-Bromofluorobenzene
Concen: 61.799 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

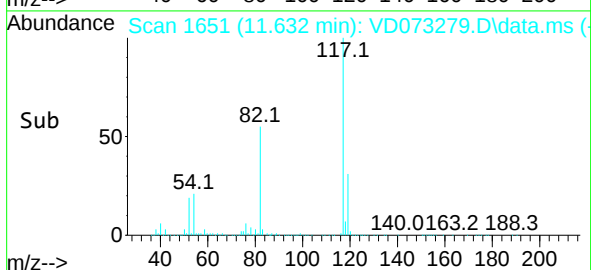
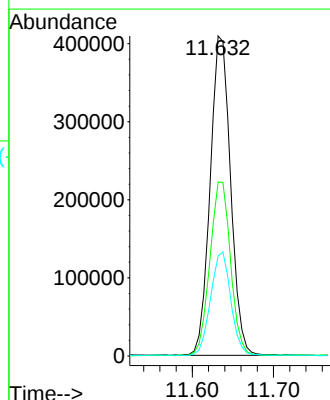
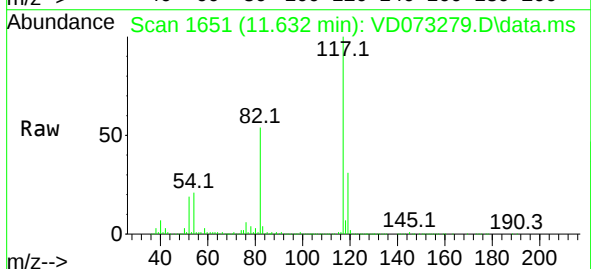
Instrument :
MSVOA_D
ClientSampleId :
P007-SS014-0006-01

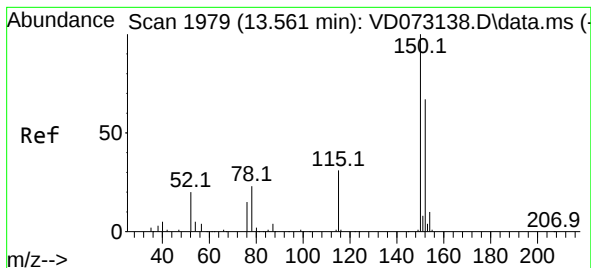
Tgt Ion: 95 Resp: 341844
Ion Ratio Lower Upper
95 100
174 75.2 0.0 152.8
176 72.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Tgt Ion: 117 Resp: 713526
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 31.1 26.6 40.0

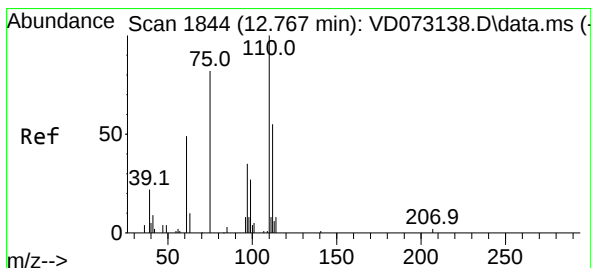
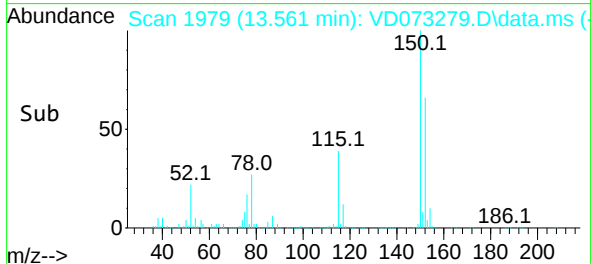
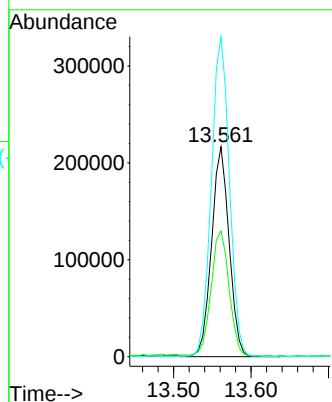
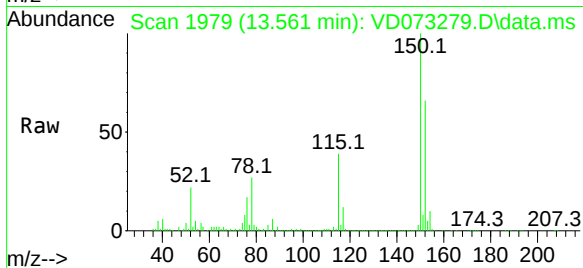




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

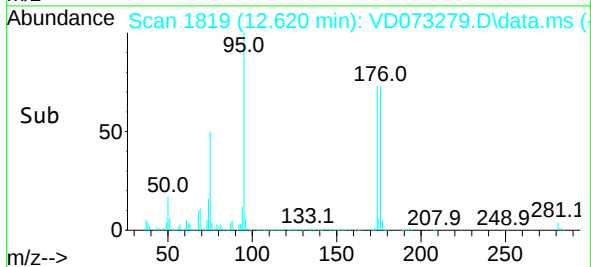
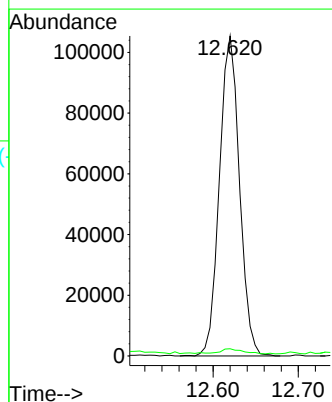
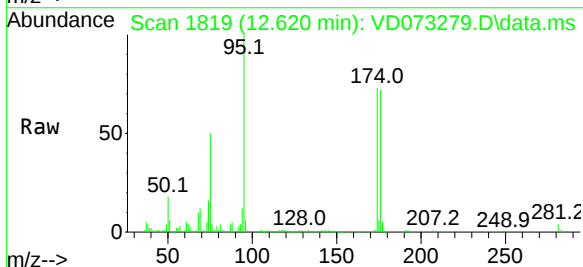
Instrument :
MSVOA_D
ClientSampleId :
P007-SS014-0006-01

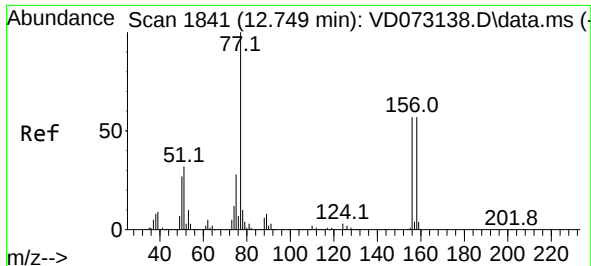
Tgt Ion:152 Resp: 340905
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 156.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 51.549 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Tgt Ion: 75 Resp: 172423
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

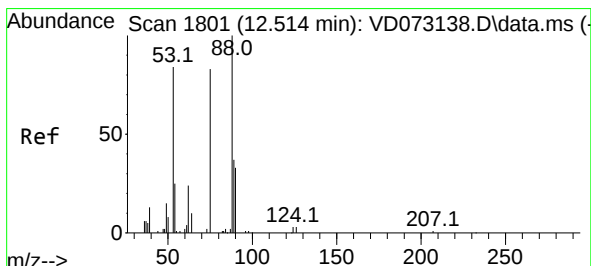
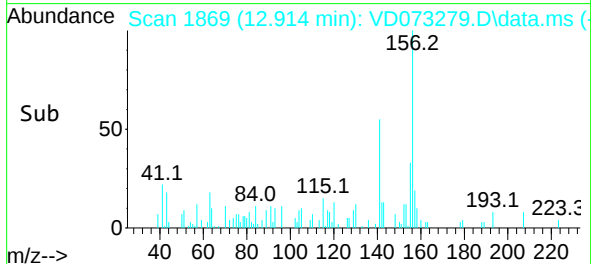
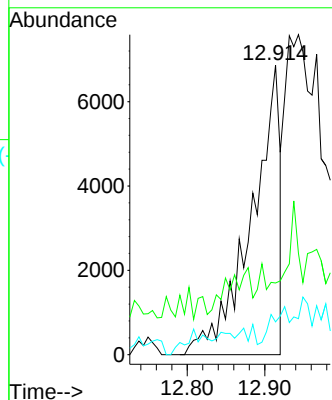
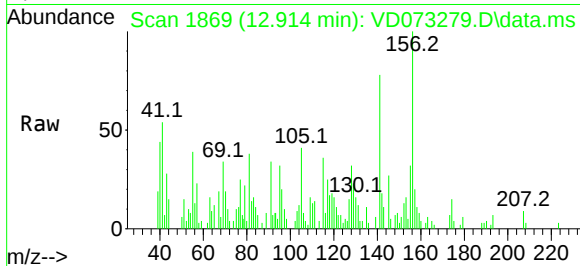




#77
Bromobenzene
Concen: 3.038 ug/l
RT: 12.914 min Scan# 1869
Delta R.T. 0.165 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

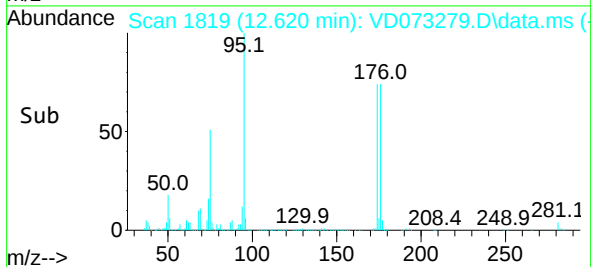
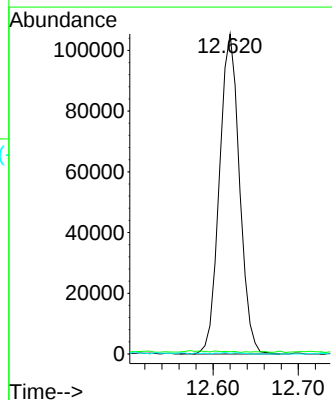
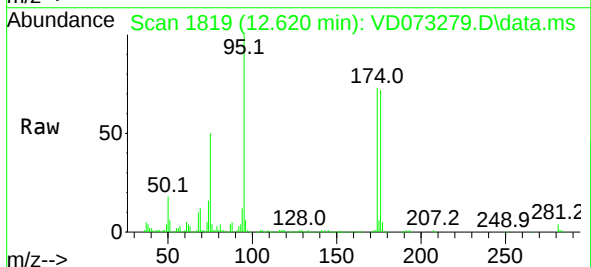
Instrument :
MSVOA_D
ClientSampleId :
P007-SS014-0006-01

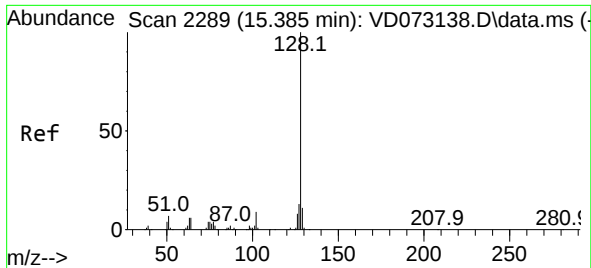
Tgt Ion:156 Resp: 17379
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 7.6 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.752 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

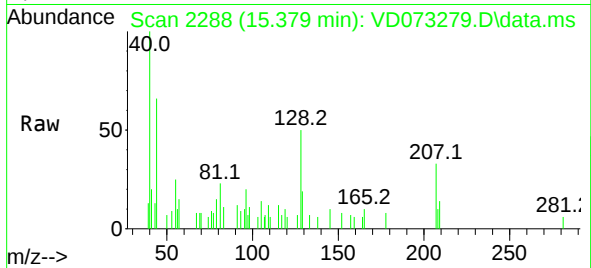
Tgt Ion: 75 Resp: 172423
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.4 33.9 50.9#





#95
Naphthalene
Concen: 3.764 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073279.D
Acq: 23 May 2022 13:21

Instrument :
MSVOA_D
ClientSampleId :
P007-SS014-0006-01



Tgt Ion:128 Resp: 2675
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 18.4 8.4 12.6#

