

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073222.D
 Acq On : 21 May 2022 11:08
 Operator : VA/SY
 Sample : N2885-01
 Misc : 4.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-0006-01

Quant Time: May 22 00:02:07 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)

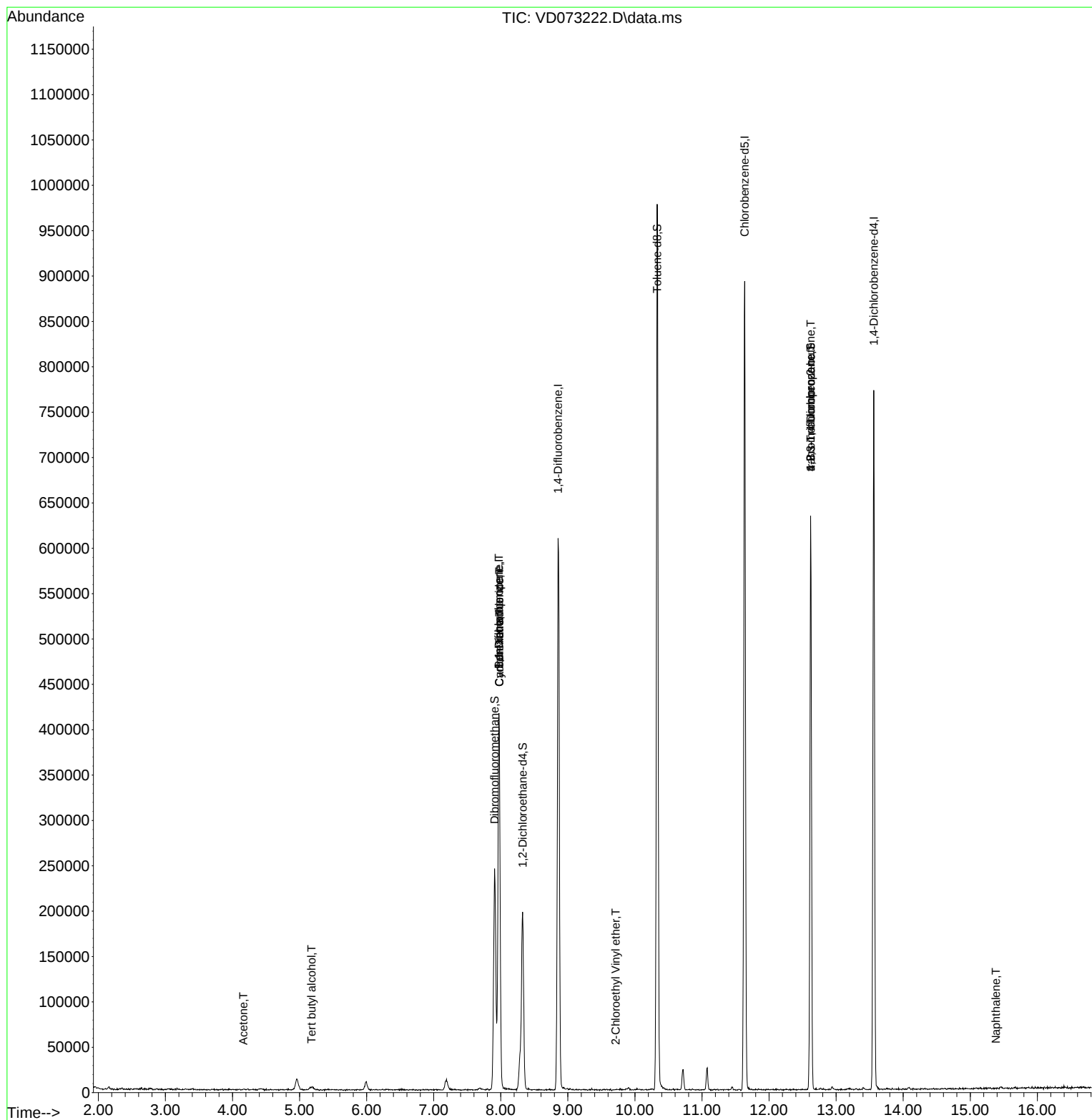
Internal Standards						
1) Pentafluorobenzene	7.973	168	295642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	528739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	514799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	206111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151932	46.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.000%
35) Dibromofluoromethane	7.908	113	174390	49.983	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.332	98	644236	50.091	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.620	95	208557	46.207	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.420%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	609	Below Cal	#	64
11) Tert butyl alcohol	5.179	59	3348	6.605	ug/l #	74
16) Acetone	4.161	43	1616	2.856	ug/l #	47
20) Methylene Chloride	4.967	84	8959	Below Cal	#	88
31) Cyclohexane	7.979	56	6984	1.223	ug/l #	7
36) 1,1-Dichloropropene	7.973	75	26744	5.097	ug/l #	50
38) Carbon Tetrachloride	7.979	117	32214	6.056	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.714	63	65	21.661	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	106486	52.656	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	106486	126.410	ug/l #	7
95) Naphthalene	15.384	128	121	3.558	ug/l #	70

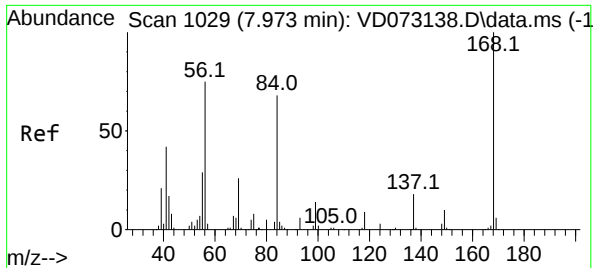
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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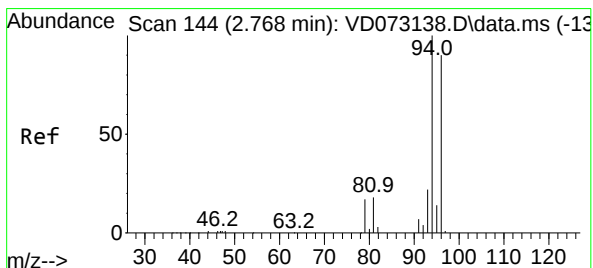
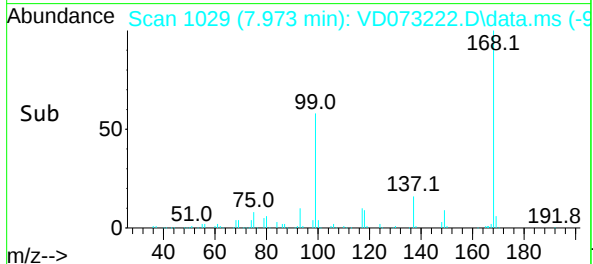
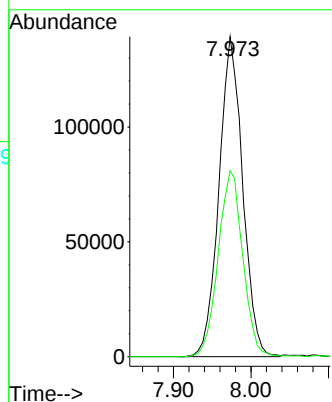
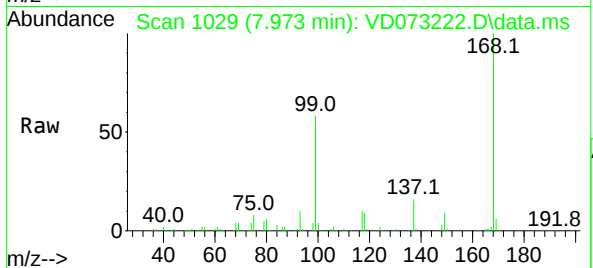




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

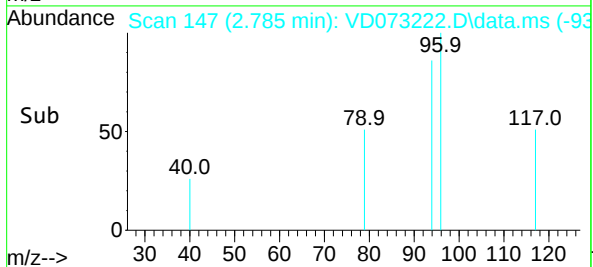
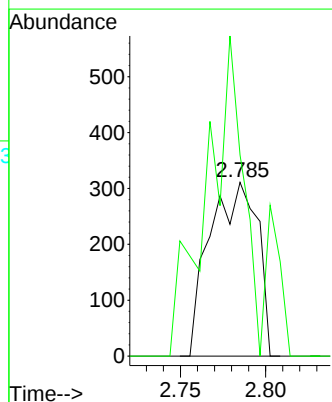
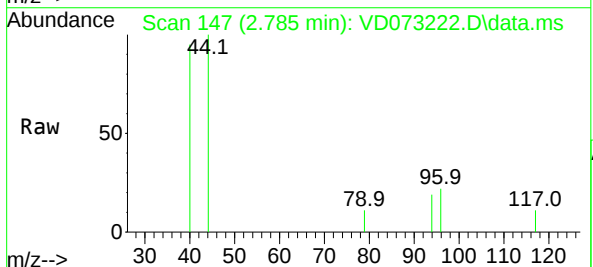
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0006-01

Tgt Ion:168 Resp: 295642
Ion Ratio Lower Upper
168 100
99 58.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Tgt Ion: 94 Resp: 609
Ion Ratio Lower Upper
94 100
96 61.4 77.6 116.4#

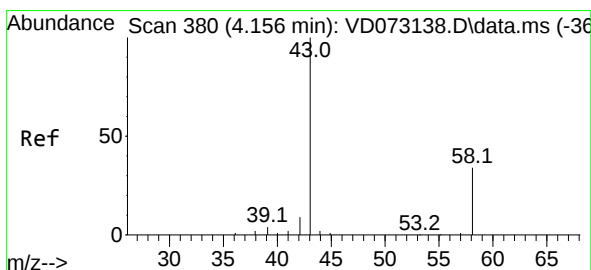
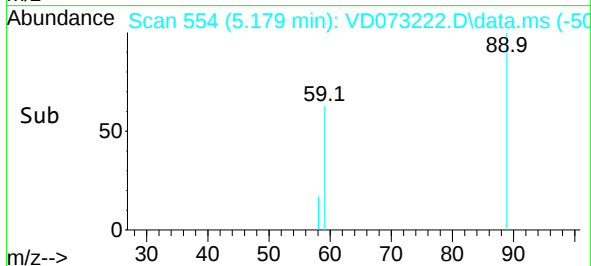
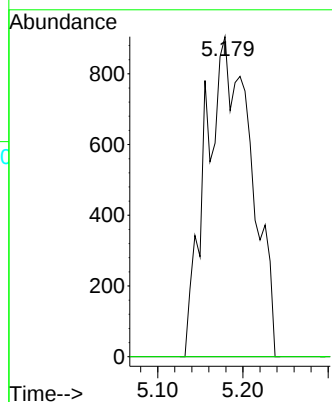
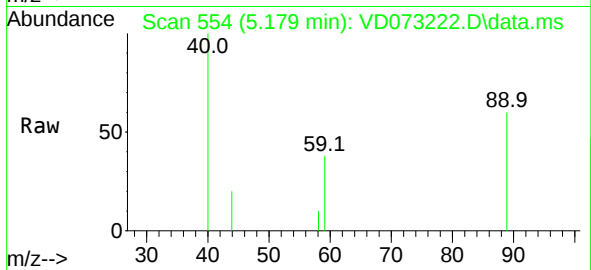




#11
Tert butyl alcohol
Concen: 6.605 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

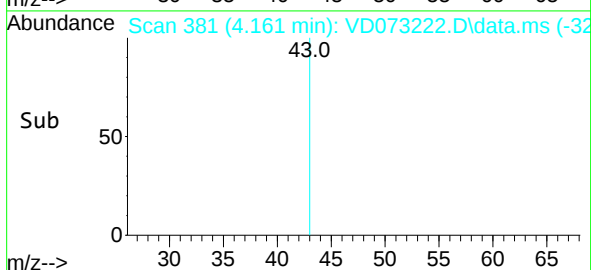
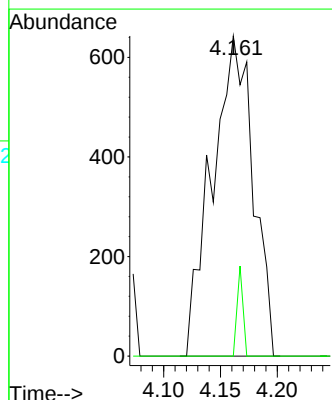
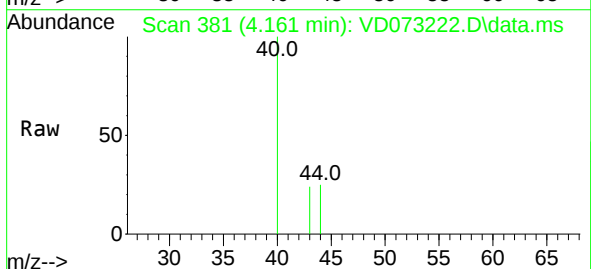
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0006-01

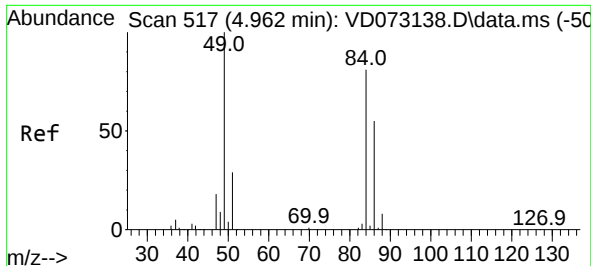
Tgt Ion: 59 Resp: 3348
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.856 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

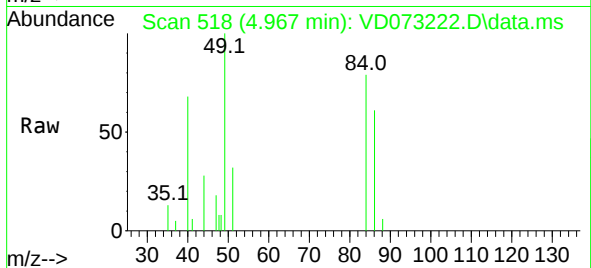
Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



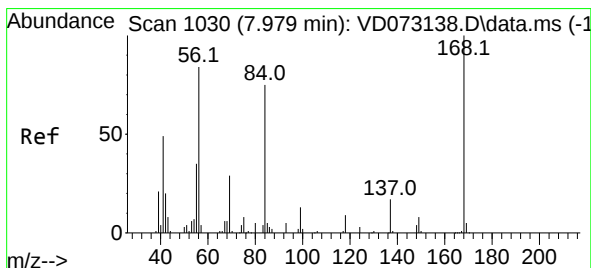
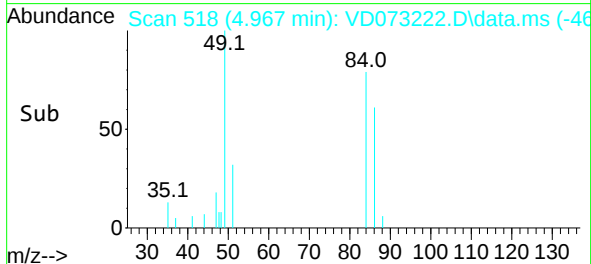
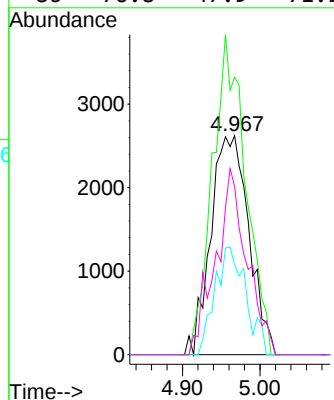


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0006-01

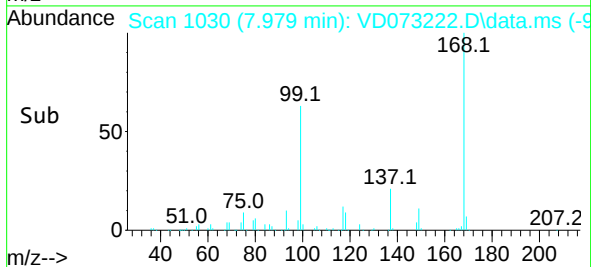
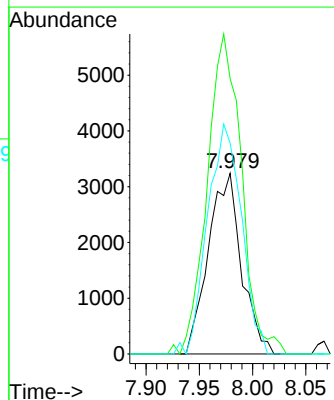
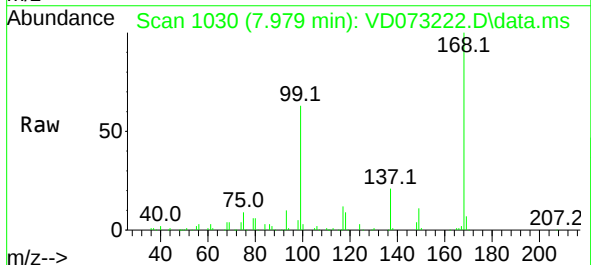


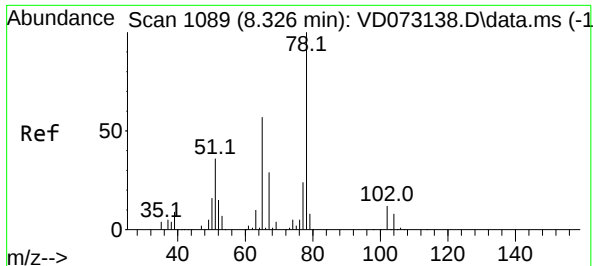
Tgt Ion:	84	Resp:	8959
Ion	Ratio	Lower	Upper
84	100		
49	126.7	112.8	169.2
51	41.0	32.6	48.8
86	76.8	47.9	71.9#



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Tgt Ion:	56	Resp:	6984
Ion	Ratio	Lower	Upper
56	100		
69	152.4	25.4	38.2#
84	116.7	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.501 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD073222.D

Acq: 21 May 2022 11:08

Instrument :

MSVOA_D

ClientSampleId :

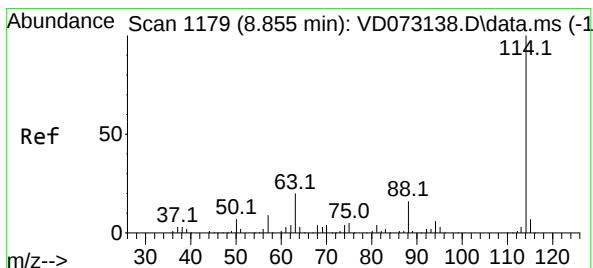
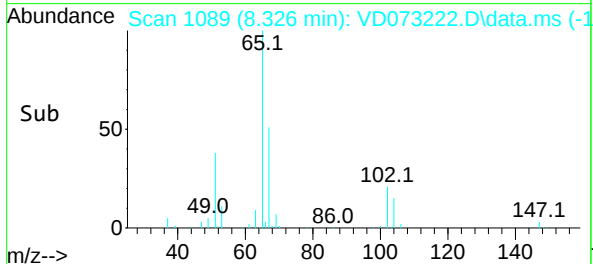
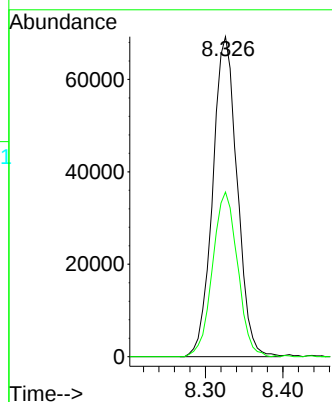
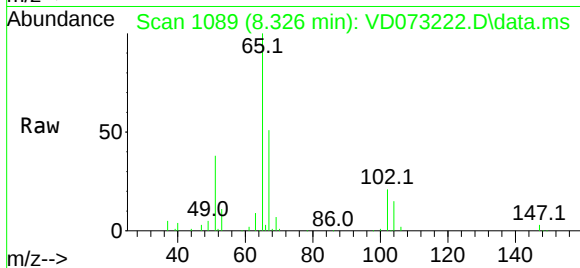
P004-SS002-0006-01

Tgt Ion: 65 Resp: 151932

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073222.D

Acq: 21 May 2022 11:08

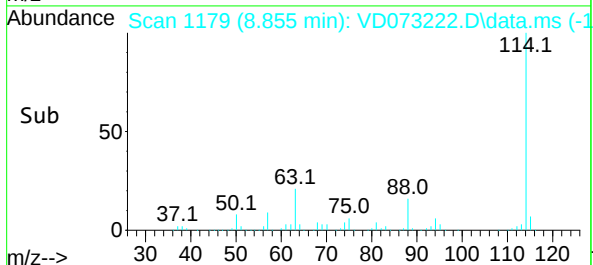
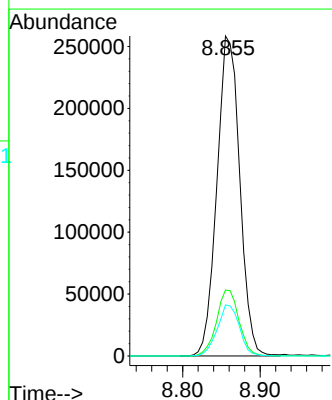
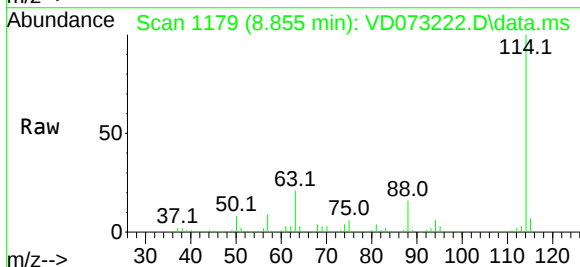
Tgt Ion: 114 Resp: 528739

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.983 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073222.D

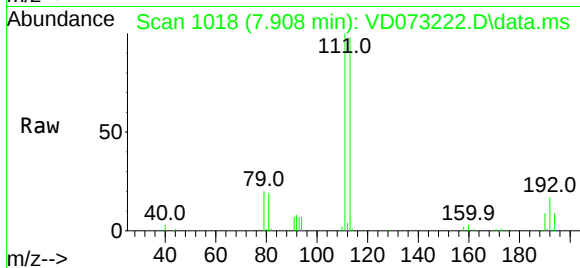
Acq: 21 May 2022 11:08

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-0006-01



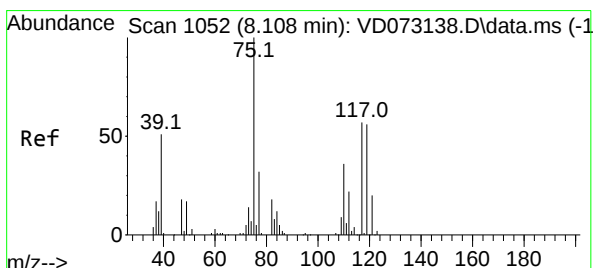
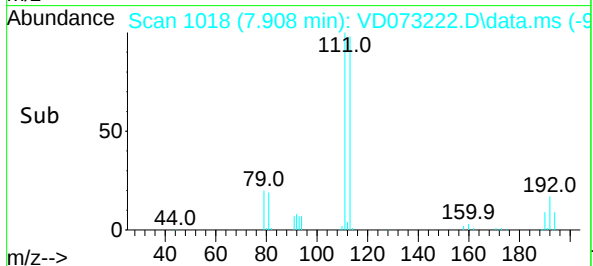
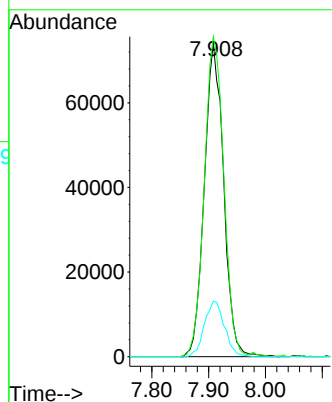
Tgt Ion:113 Resp: 174390

Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.097 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073222.D

Acq: 21 May 2022 11:08

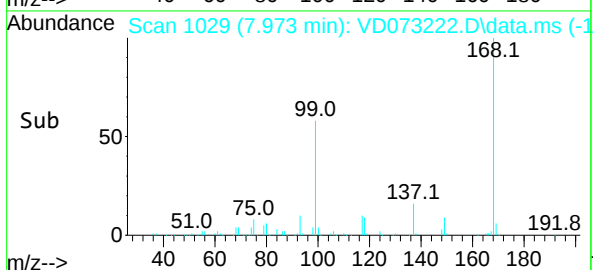
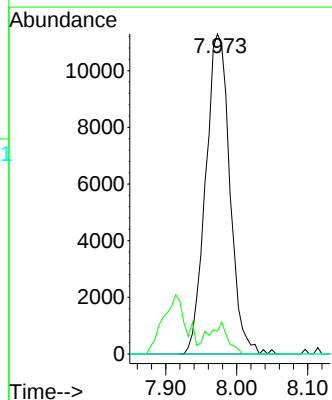
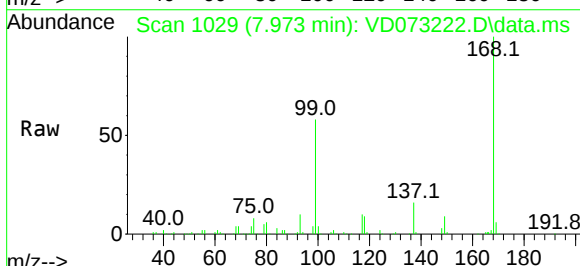
Tgt Ion: 75 Resp: 26744

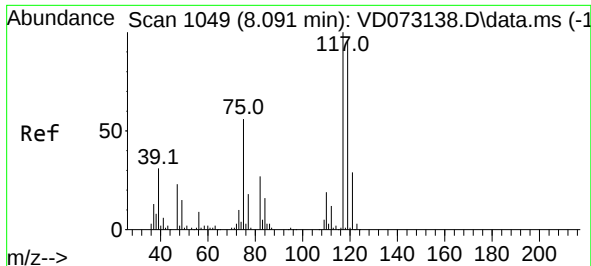
Ion Ratio Lower Upper

75 100

110 7.5 16.4 49.1#

77 0.0 24.2 36.2#

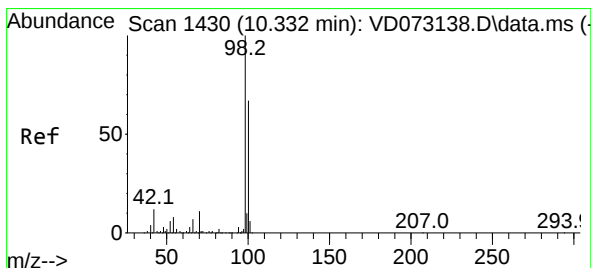
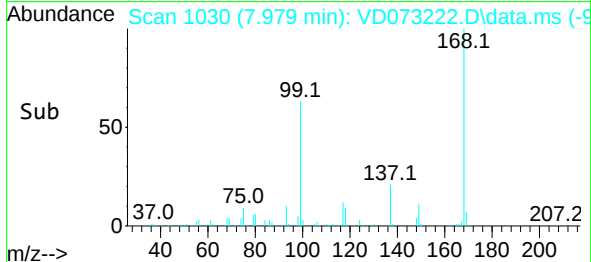
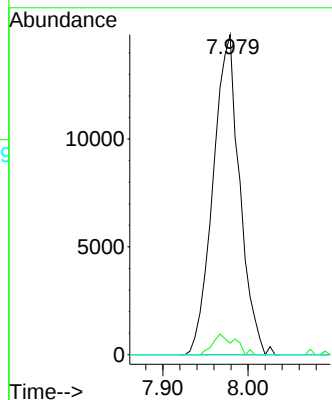
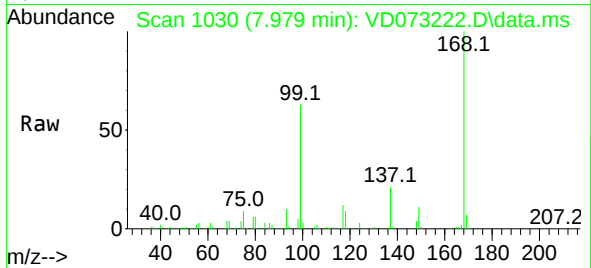




#38
Carbon Tetrachloride
Concen: 6.056 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

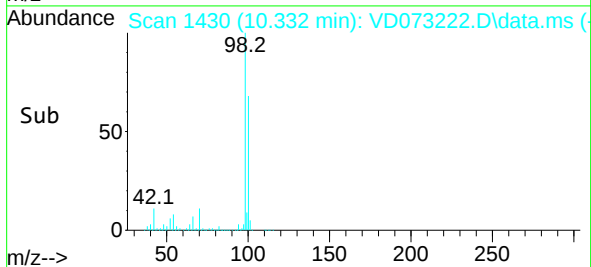
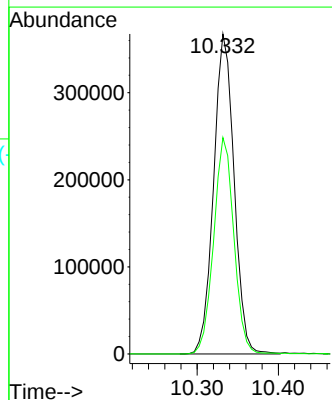
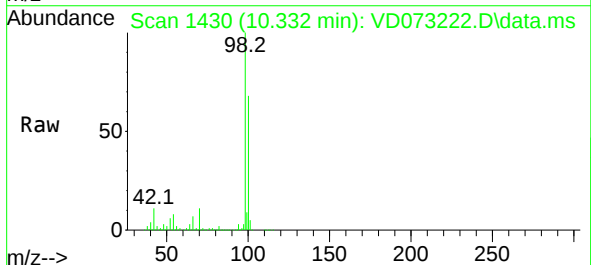
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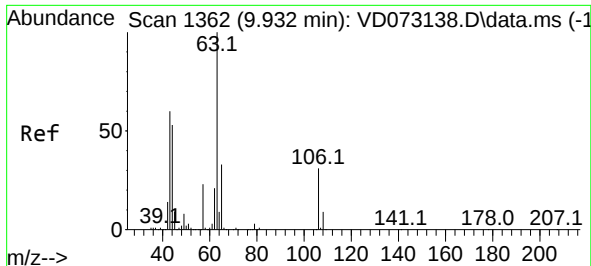
Tgt Ion:117 Resp: 32214
Ion Ratio Lower Upper
117 100
119 3.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.091 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Tgt Ion: 98 Resp: 644236
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6

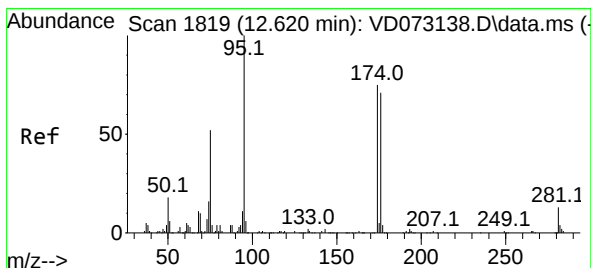
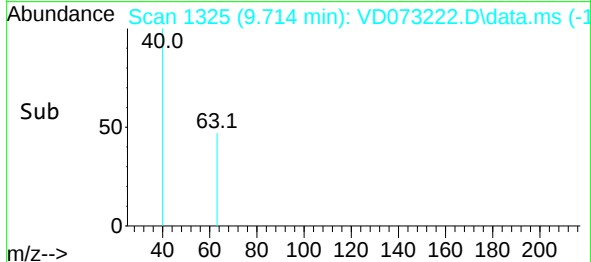
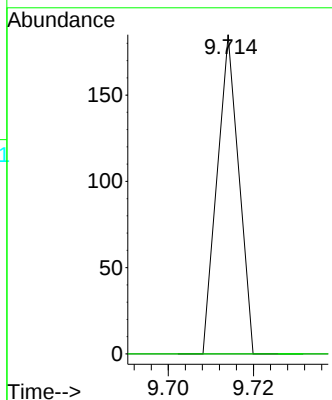
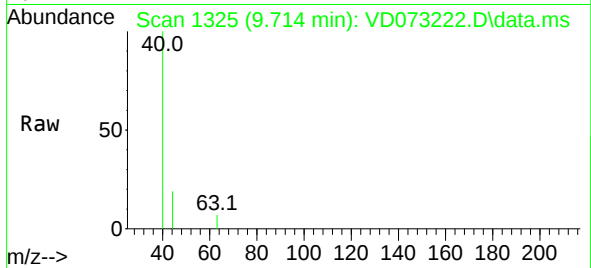




#58
2-Chloroethyl Vinyl ether
Concen: 21.661 ug/l
RT: 9.714 min Scan# 11
Delta R.T. -0.218 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

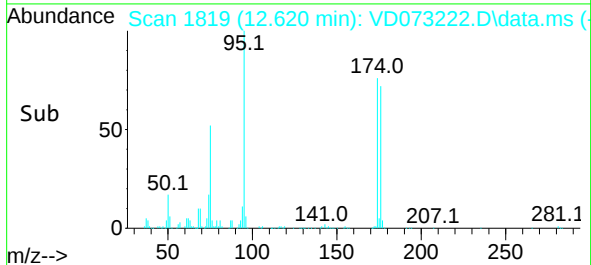
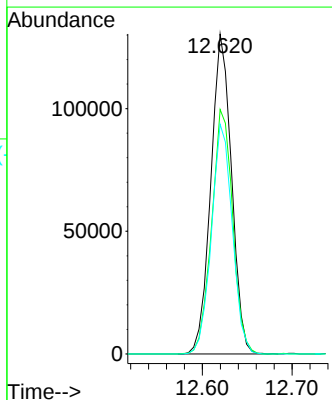
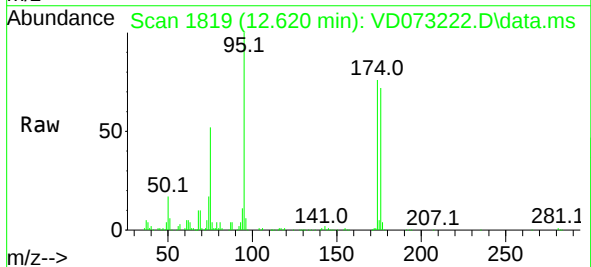
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0006-01

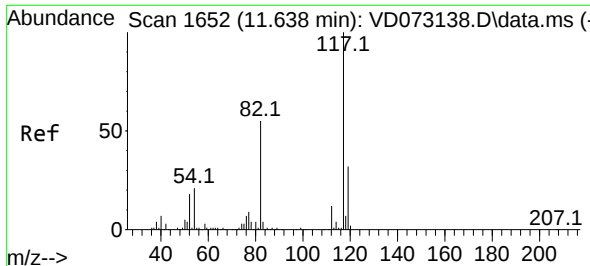
Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#



#62
4-Bromofluorobenzene
Concen: 46.207 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Tgt Ion: 95 Resp: 208557
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 72.3 0.0 145.4

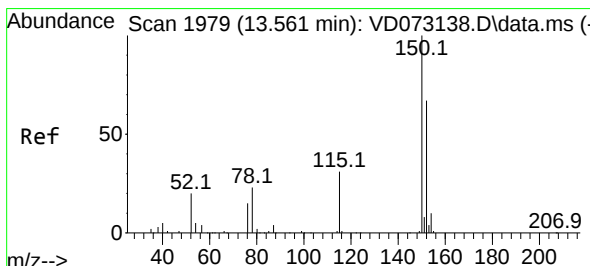
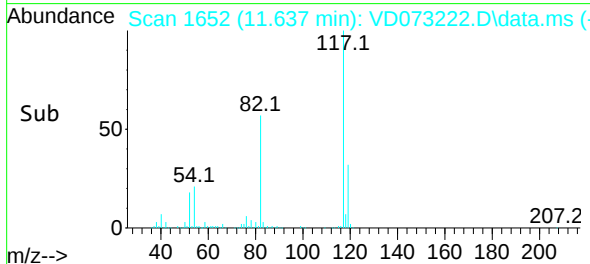
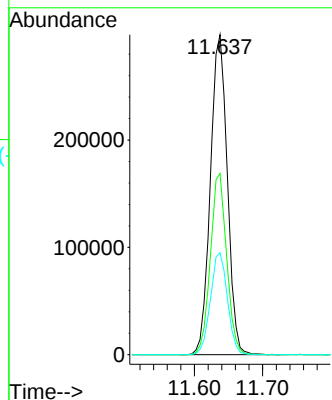
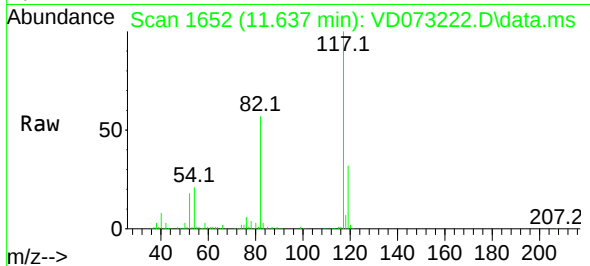




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

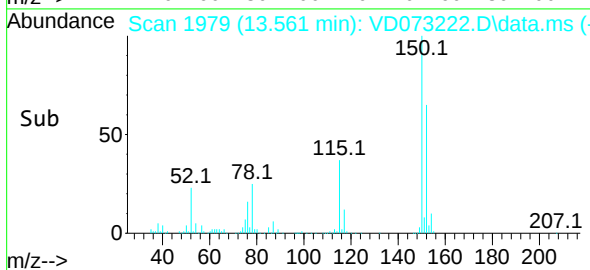
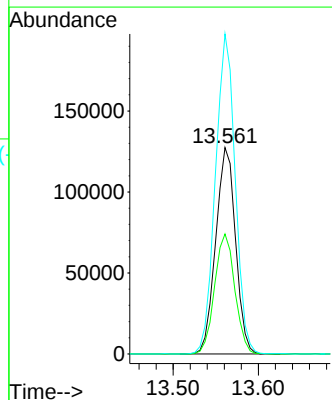
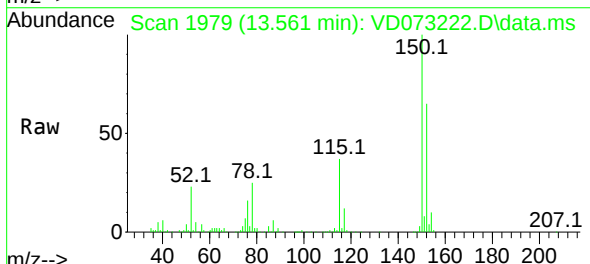
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0006-01

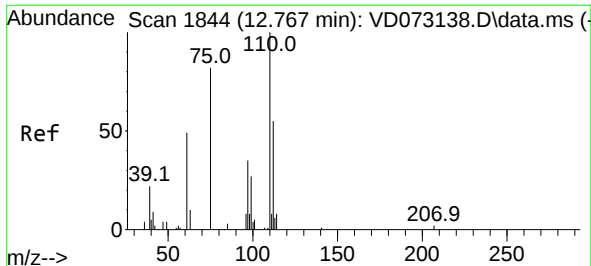
Tgt Ion:117 Resp: 514799
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 31.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Tgt Ion:152 Resp: 206111
Ion Ratio Lower Upper
152 100
115 59.3 31.3 93.8
150 154.8 0.0 348.6

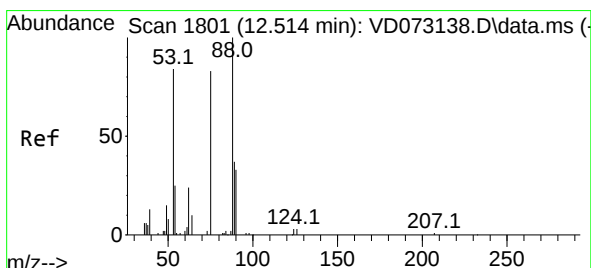
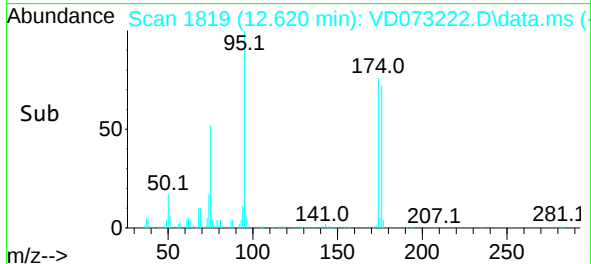
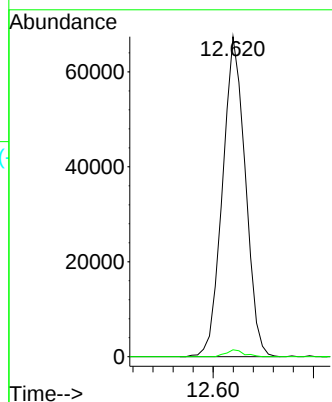
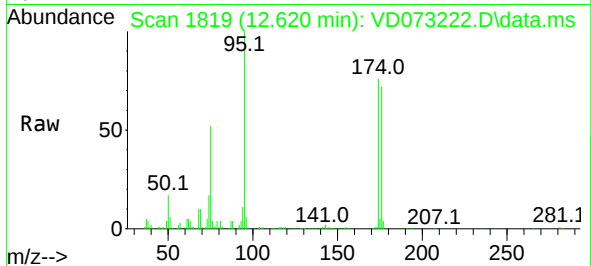




#76
1,2,3-Trichloropropane
Concen: 52.656 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

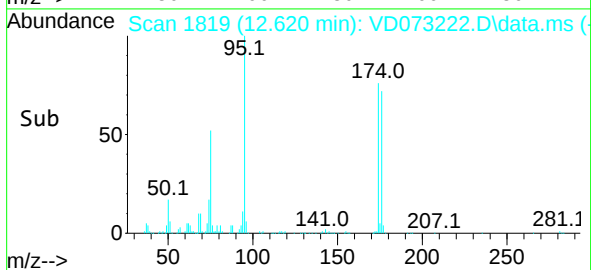
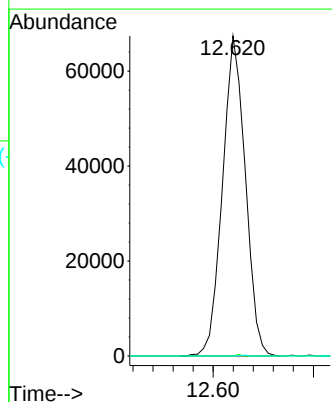
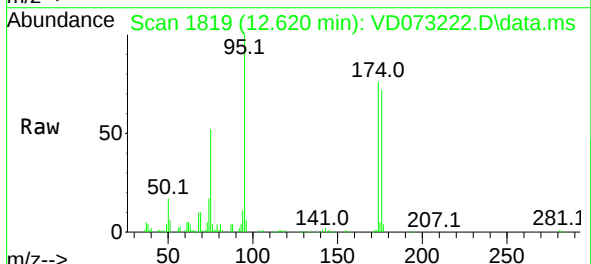
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0006-01

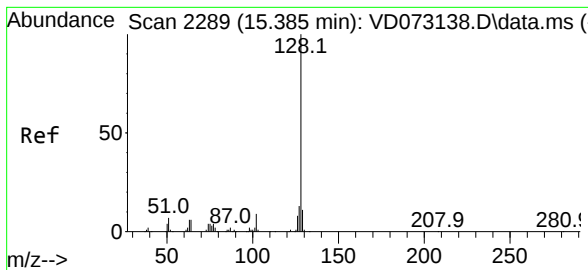
Tgt Ion: 75 Resp: 106486
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.410 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Tgt Ion: 75 Resp: 106486
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.558 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD073222.D
Acq: 21 May 2022 11:08

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0006-01

Tgt Ion:	128	Resp:	121
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

