

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073234.D
 Acq On : 21 May 2022 17:23
 Operator : VA/SY
 Sample : N2870-05
 Misc : 5.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-2430-01

Quant Time: May 22 01:32:54 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)

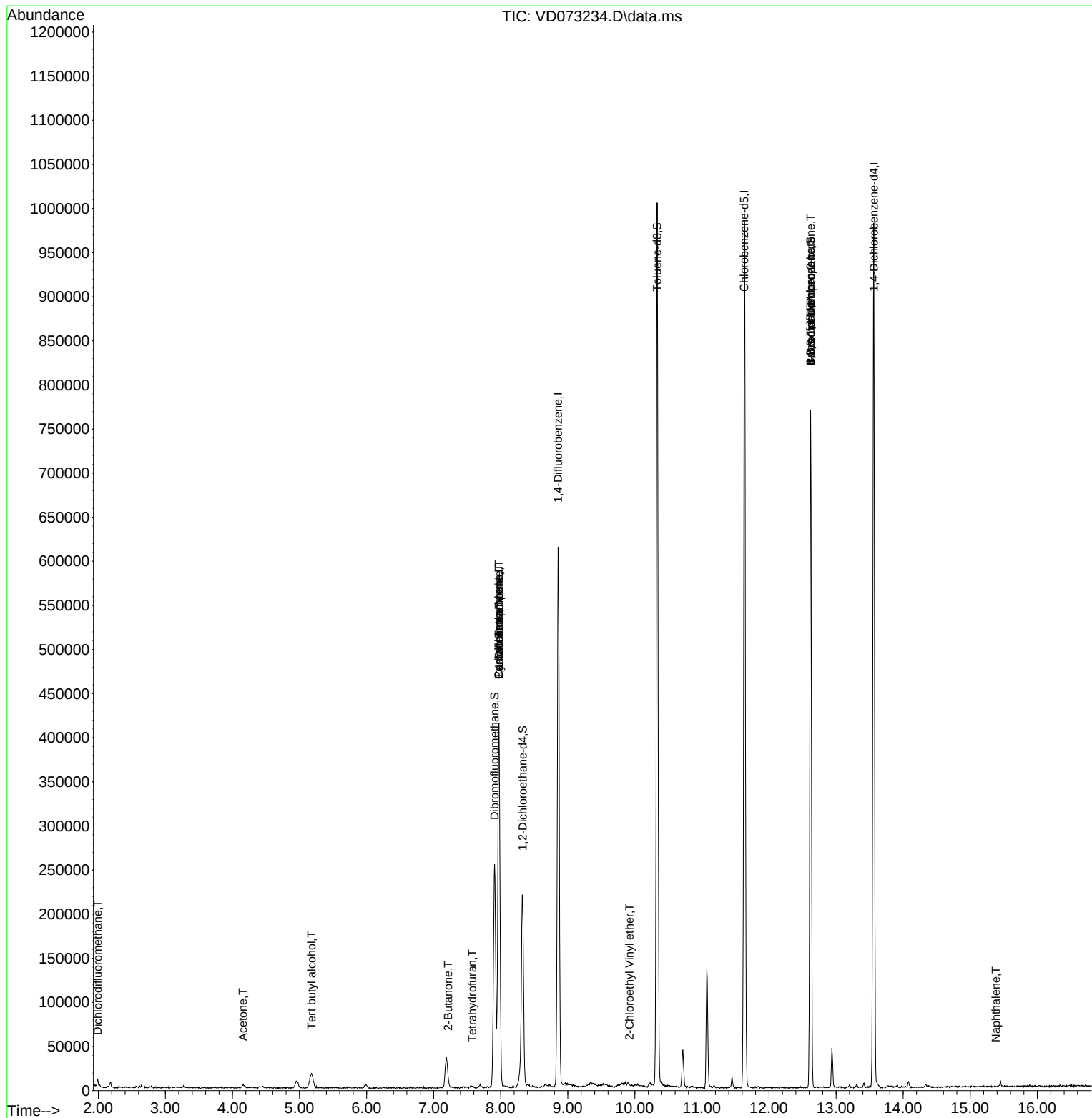
Internal Standards						
1) Pentafluorobenzene	7.973	168	294989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	526355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	571834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	173662	53.270	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.540%	
35) Dibromofluoromethane	7.909	113	184904	53.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.480%	
50) Toluene-d8	10.332	98	668962	52.250	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	12.620	95	246374	54.833	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.660%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.991	85	6098	2.069	ug/l	97
5) Bromomethane	2.779	94	790	Below Cal	#	19
11) Tert butyl alcohol	5.179	59	15419	30.485	ug/l #	74
16) Acetone	4.156	43	6952	12.312	ug/l	97
20) Methylene Chloride	4.950	84	6545	Below Cal	#	79
25) 2-Butanone	7.214	43	2724	3.297	ug/l #	52
29) Tetrahydrofuran	7.573	42	562	1.052	ug/l #	58
31) Cyclohexane	7.973	56	7738	1.358	ug/l #	7
36) 1,1-Dichloropropene	7.973	75	26028	4.983	ug/l #	50
38) Carbon Tetrachloride	7.973	117	32308	6.101	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.920	63	60	21.658	ug/l #	48
71) Bromoform	12.620	173	2255	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	125316	48.394	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	125316	116.180	ug/l #	7
95) Naphthalene	15.385	128	178	3.561	ug/l #	70

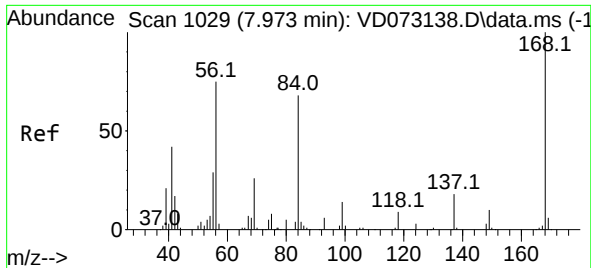
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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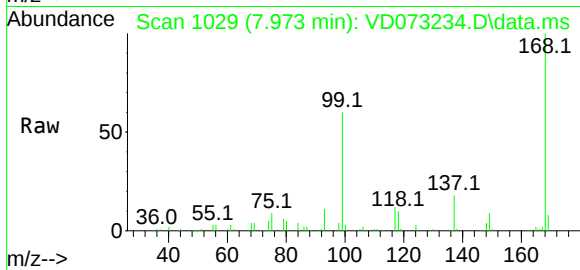
Quant Time: May 22 01:32:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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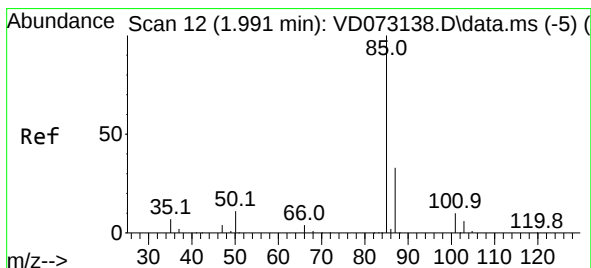
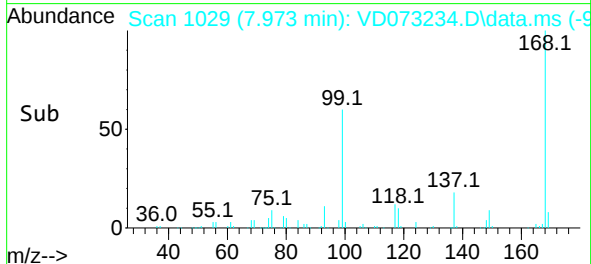
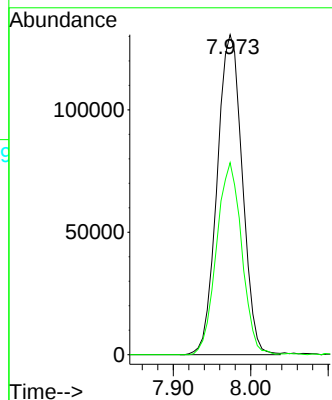


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-2430-01

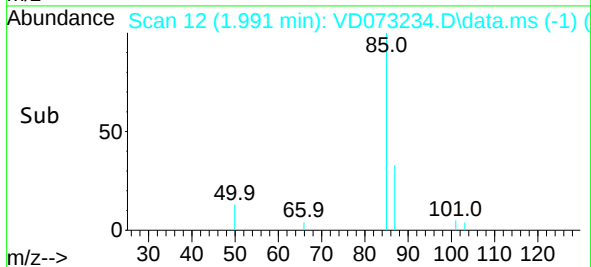
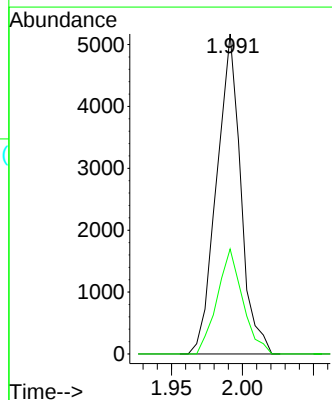
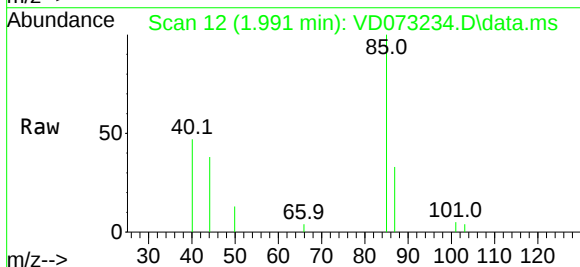


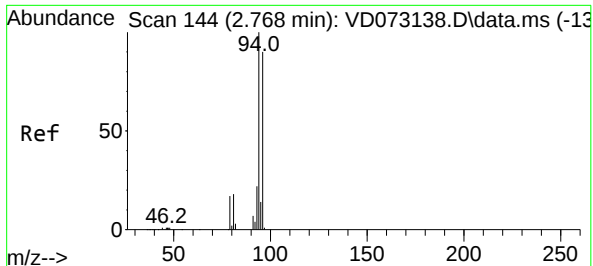
Tgt Ion:168 Resp: 294989
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 2.069 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Tgt Ion: 85 Resp: 6098
Ion Ratio Lower Upper
85 100
87 32.8 15.7 47.0

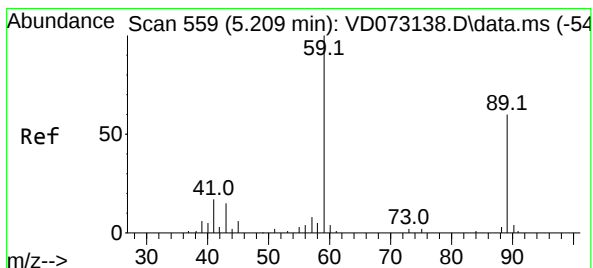
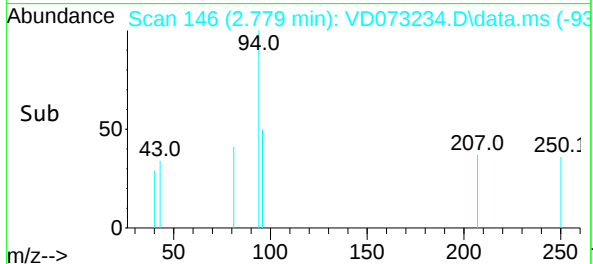
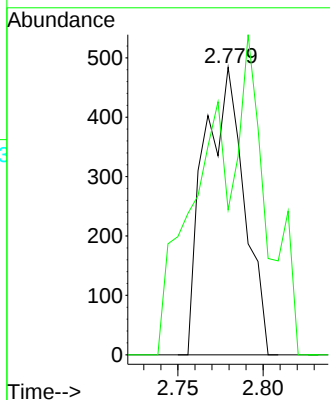
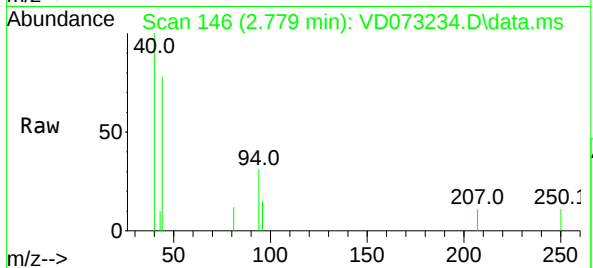




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 144
Delta R.T. 0.011 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

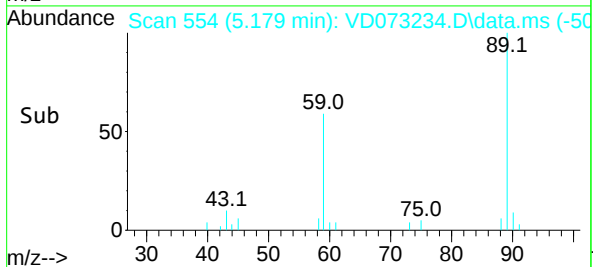
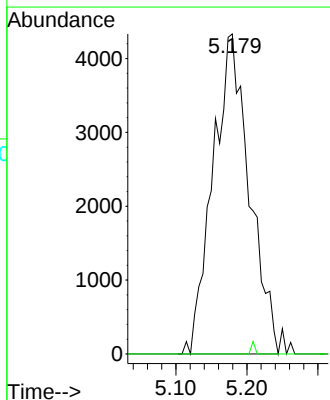
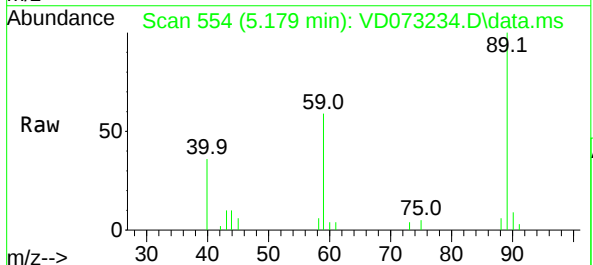
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-2430-01

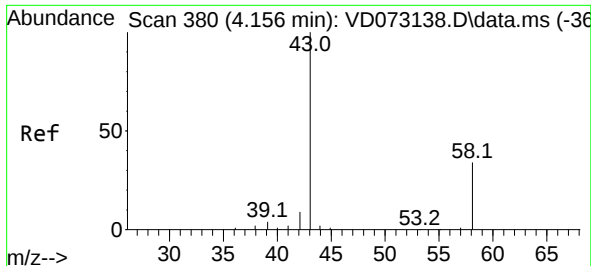
Tgt Ion: 94 Resp: 790
Ion Ratio Lower Upper
94 100
96 17.8 77.6 116.4#



#11
Tert butyl alcohol
Concen: 30.485 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Tgt Ion: 59 Resp: 15419
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 12.312 ug/l

RT: 4.156 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD073234.D

Acq: 21 May 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

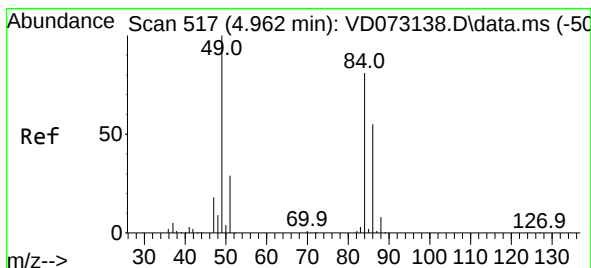
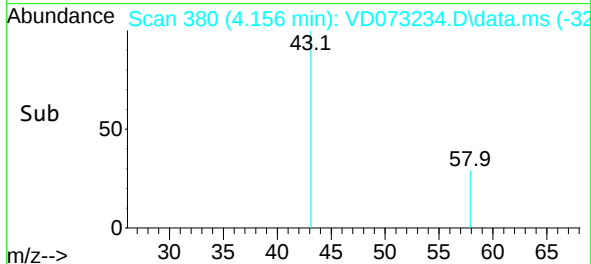
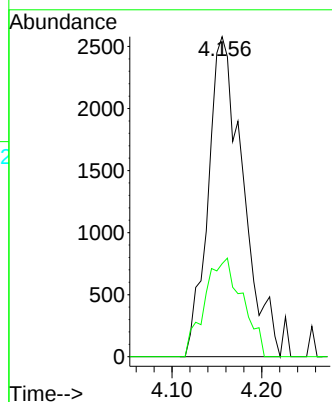
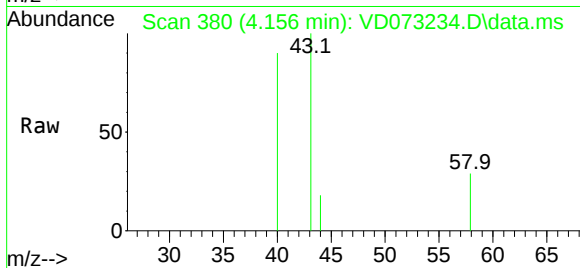
P033-SS001-2430-01

Tgt Ion: 43 Resp: 6952

Ion Ratio Lower Upper

43 100

58 29.0 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 515

Delta R.T. -0.012 min

Lab File: VD073234.D

Acq: 21 May 2022 17:23

Tgt Ion: 84 Resp: 6545

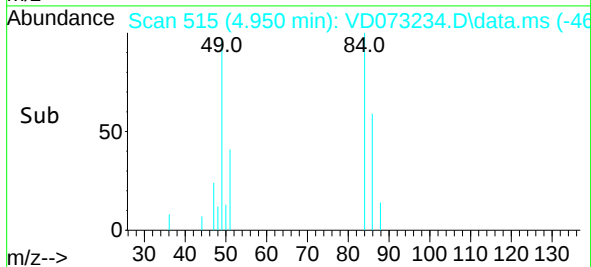
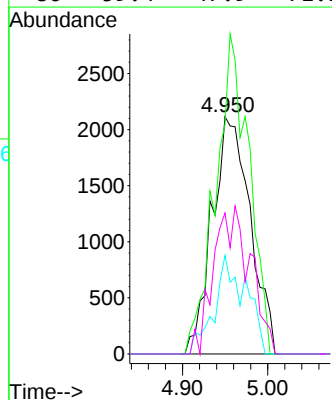
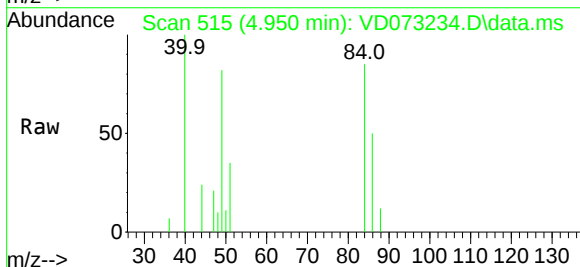
Ion Ratio Lower Upper

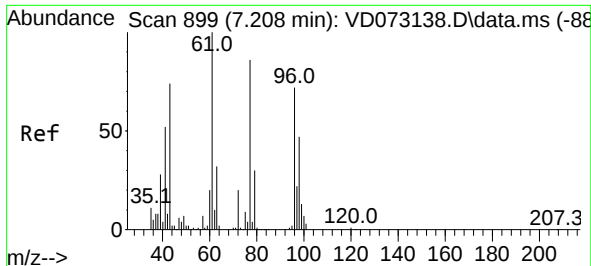
84 100

49 96.8 112.8 169.2#

51 41.5 32.6 48.8

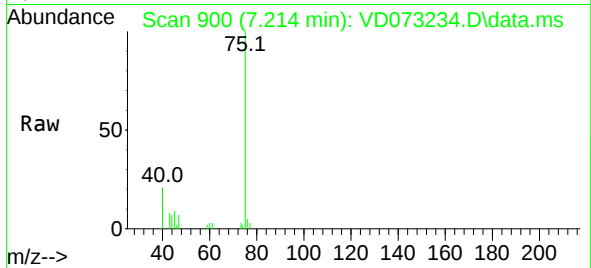
86 59.4 47.9 71.9



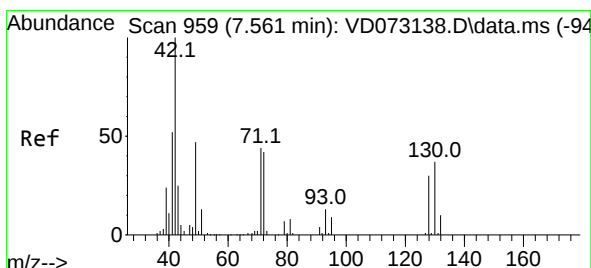
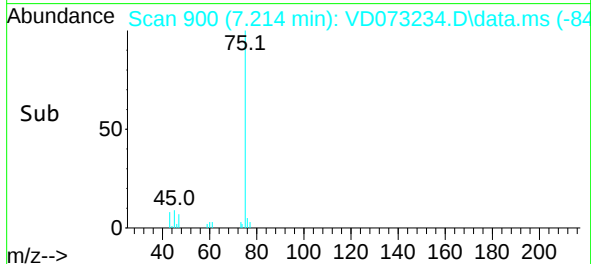
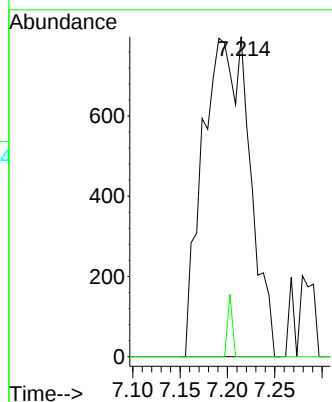


#25
2-Butanone
Concen: 3.297 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-2430-01

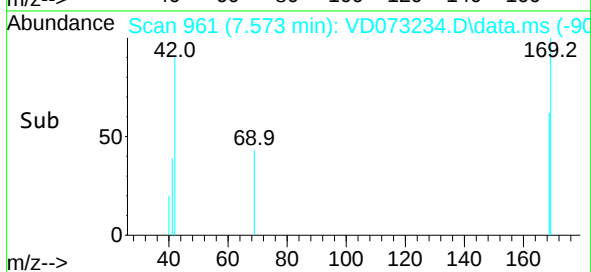
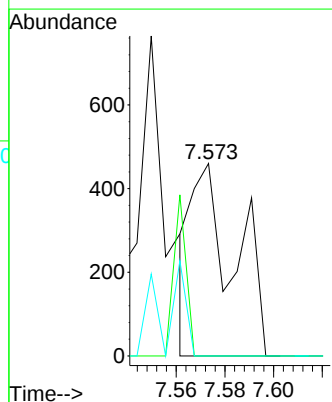
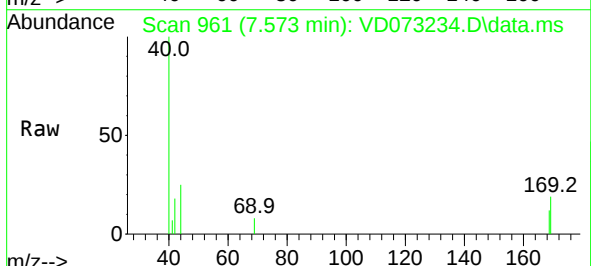


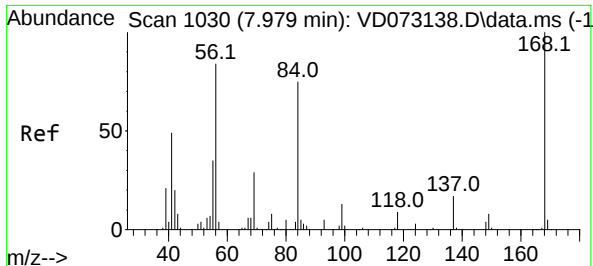
Tgt Ion: 43 Resp: 2724
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.052 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Tgt Ion: 42 Resp: 562
Ion Ratio Lower Upper
42 100
72 24.2 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.358 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073234.D

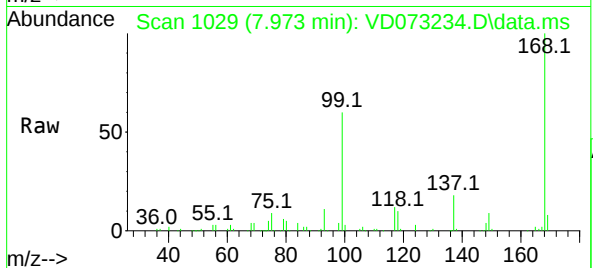
Acq: 21 May 2022 17:23

Instrument :

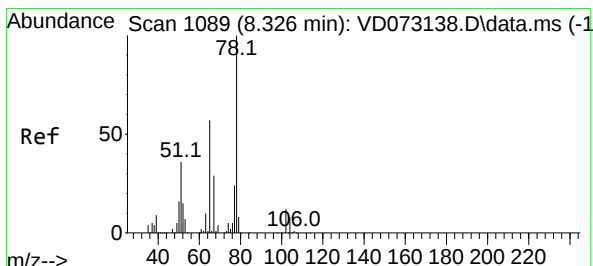
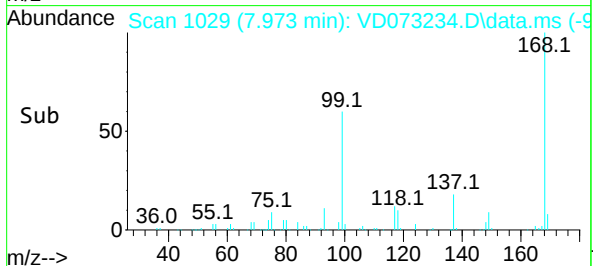
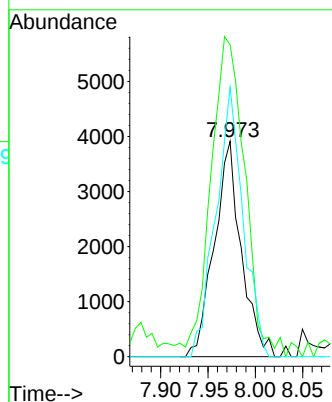
MSVOA_D

ClientSampleId :

P033-SS001-2430-01



Tgt Ion:	56	Resp:	7738
Ion Ratio	100	Lower	Upper
56	100		
69	138.5	25.4	38.2#
84	125.1	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 53.270 ug/l

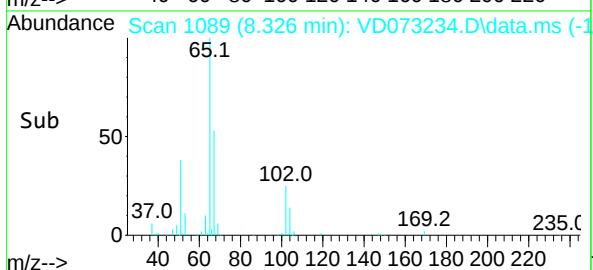
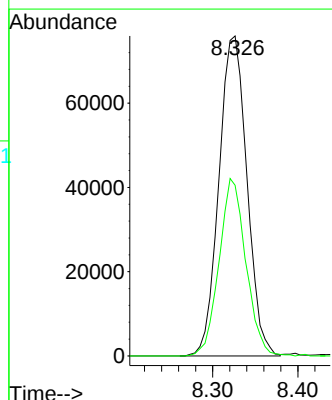
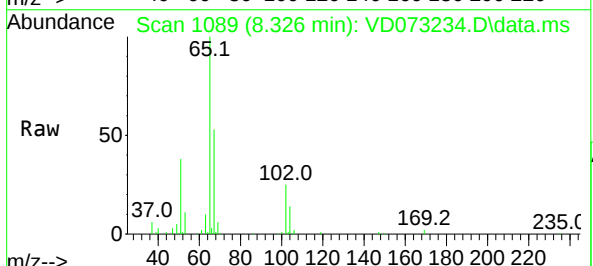
RT: 8.326 min Scan# 1089

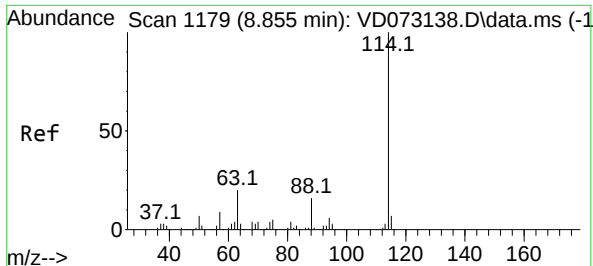
Delta R.T. 0.000 min

Lab File: VD073234.D

Acq: 21 May 2022 17:23

Tgt Ion:	65	Resp:	173662
Ion Ratio	100	Lower	Upper
65	100		
67	53.1	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073234.D

Acq: 21 May 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

P033-SS001-2430-01

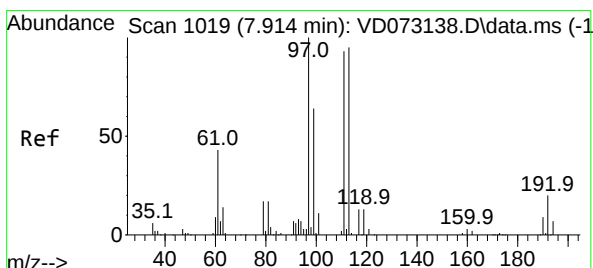
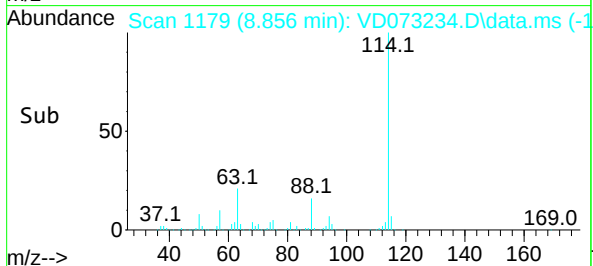
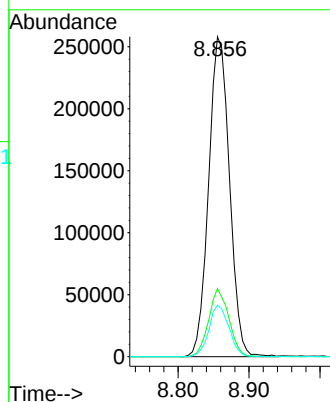
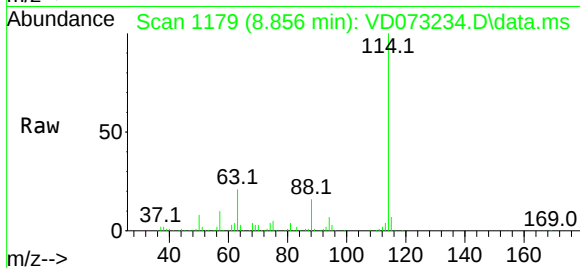
Tgt Ion:114 Resp: 526355

Ion Ratio Lower Upper

114 100

63 21.3 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.237 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073234.D

Acq: 21 May 2022 17:23

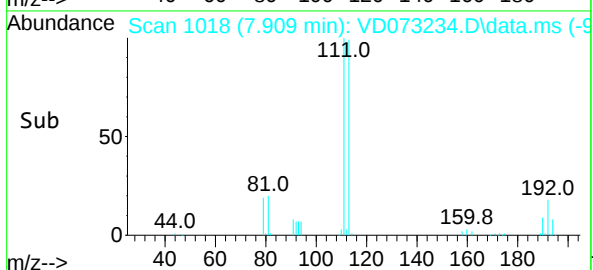
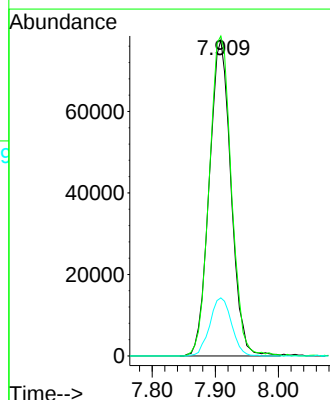
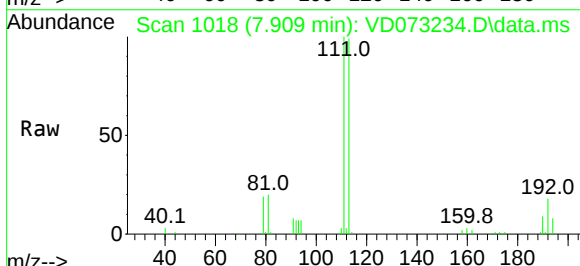
Tgt Ion:113 Resp: 184904

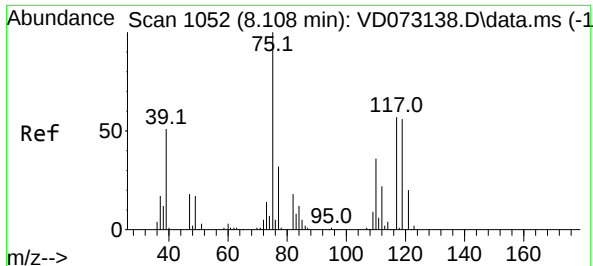
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073234.D

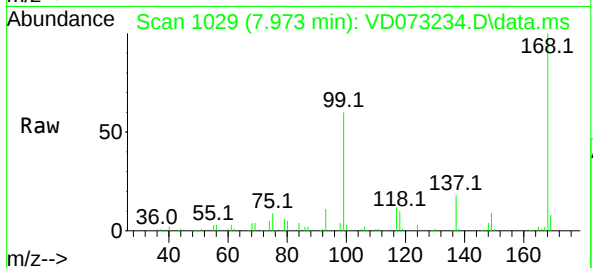
Acq: 21 May 2022 17:23

Instrument :

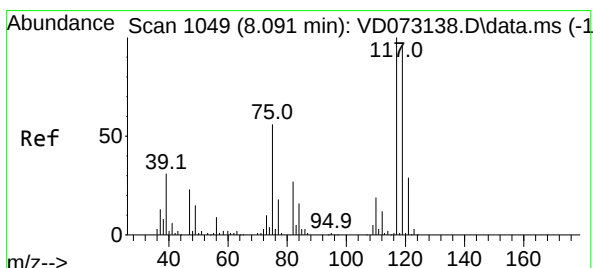
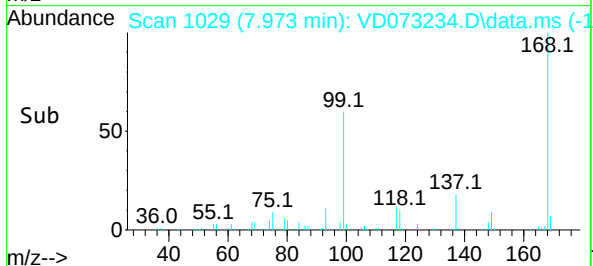
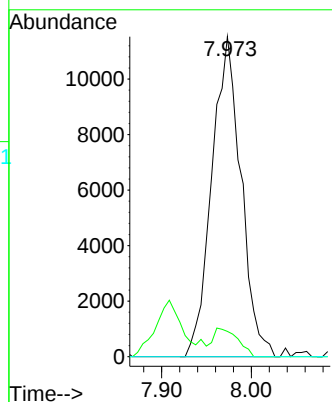
MSVOA_D

ClientSampleId :

P033-SS001-2430-01



Tgt Ion: 75	Resp: 26028
Ion Ratio	Lower Upper
75	100
110	7.5 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.101 ug/l

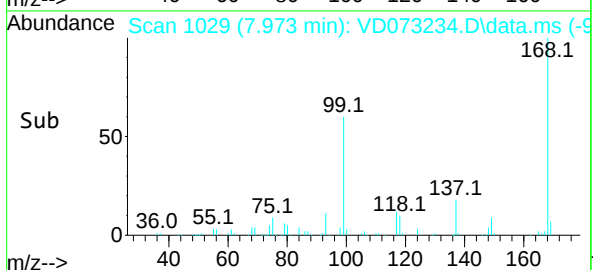
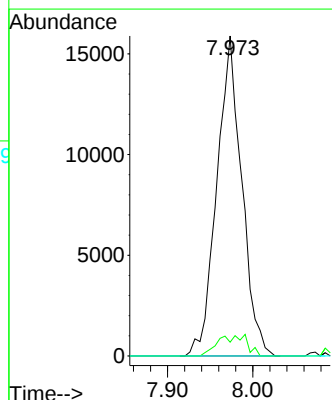
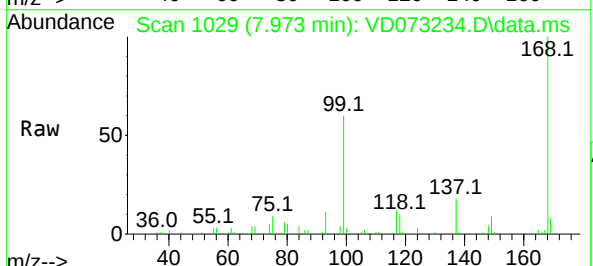
RT: 7.973 min Scan# 1029

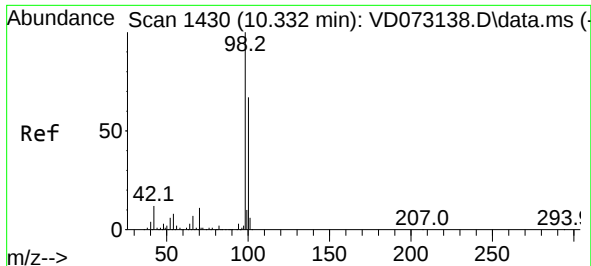
Delta R.T. -0.118 min

Lab File: VD073234.D

Acq: 21 May 2022 17:23

Tgt Ion: 117	Resp: 32308
Ion Ratio	Lower Upper
117	100
119	4.3 75.8 113.6#
121	0.0 24.5 36.7#

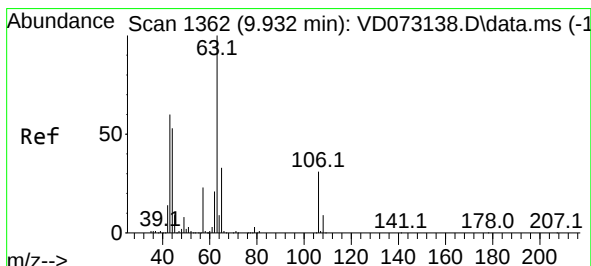
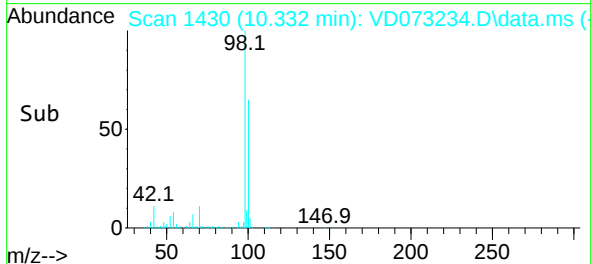
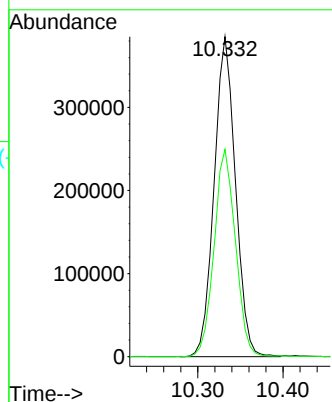
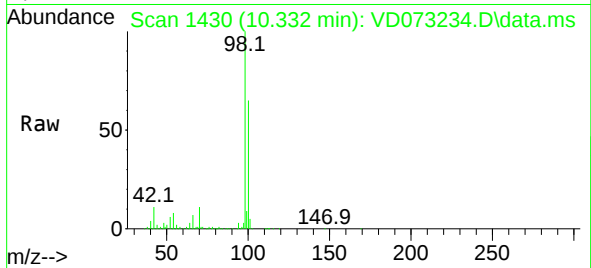




#50
Toluene-d8
Concen: 52.250 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

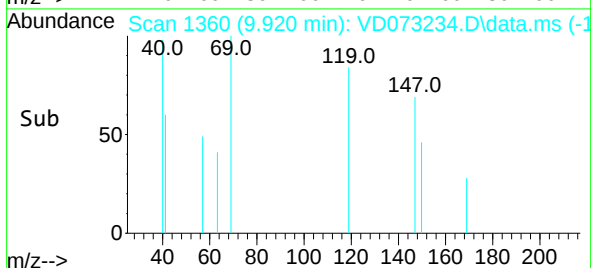
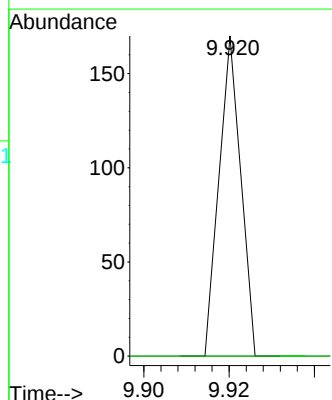
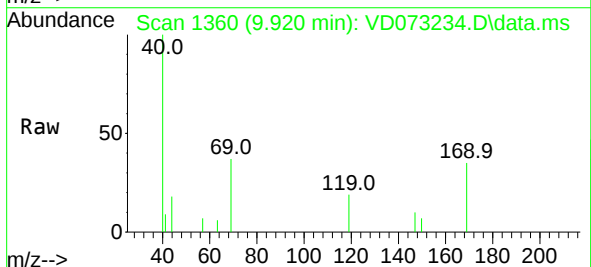
Instrument : MSVOA_D
ClientSampleId : P033-SS001-2430-01

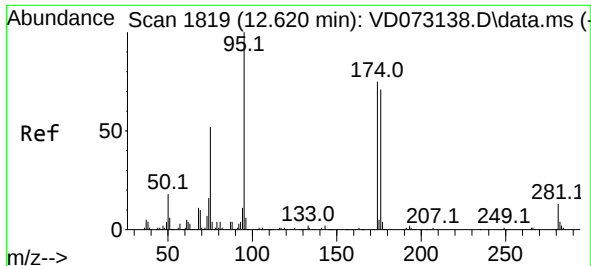
Tgt Ion: 98 Resp: 668962
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#58
2-Chloroethyl Vinyl ether
Concen: 21.658 ug/l
RT: 9.920 min Scan# 1360
Delta R.T. -0.012 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#

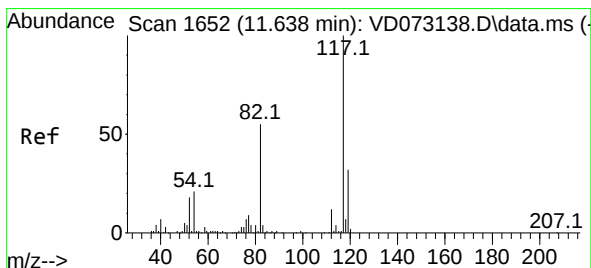
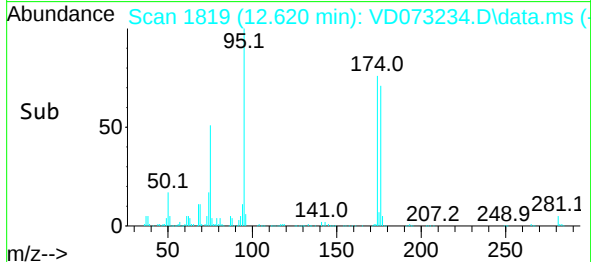
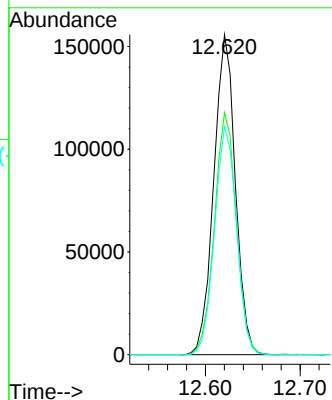
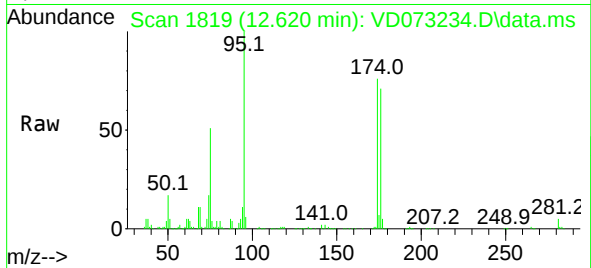




#62
4-Bromofluorobenzene
Concen: 54.833 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

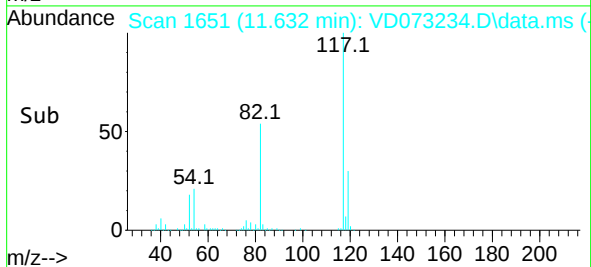
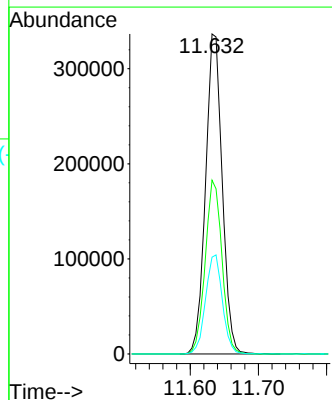
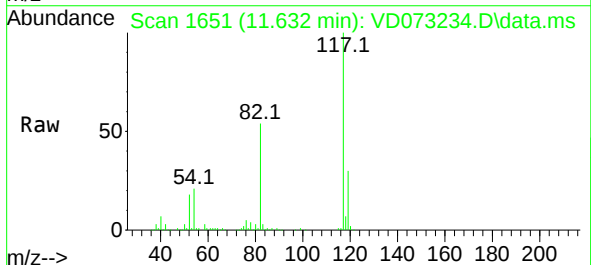
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-2430-01

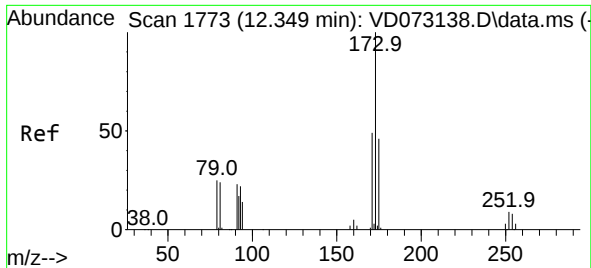
Tgt Ion: 95 Resp: 246374
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.8
176 73.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Tgt Ion: 117 Resp: 571834
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 30.3 26.6 40.0

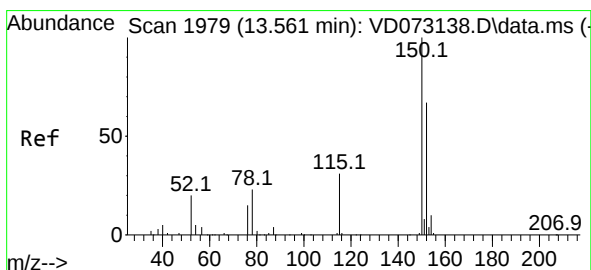
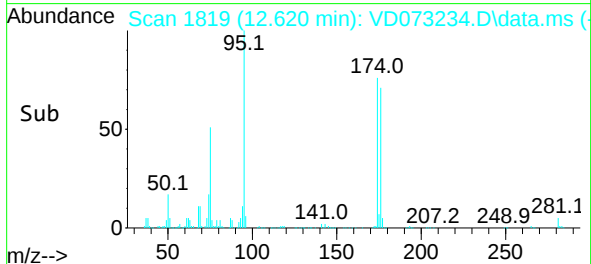
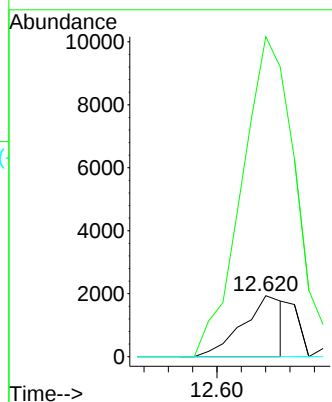
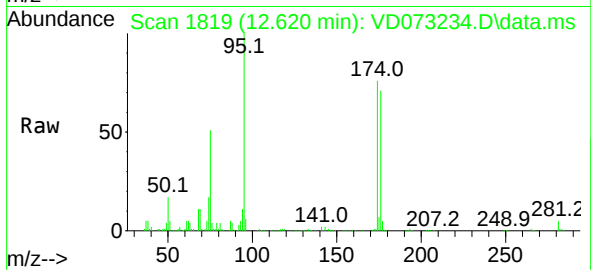




#71
Bromoform
Concen: 1.007 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

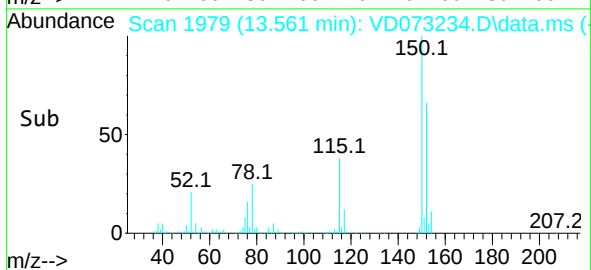
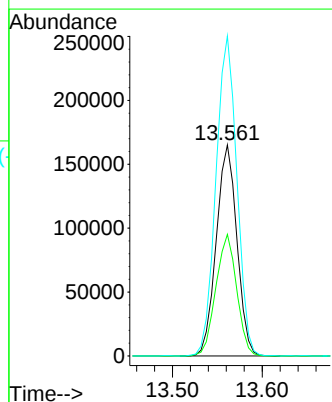
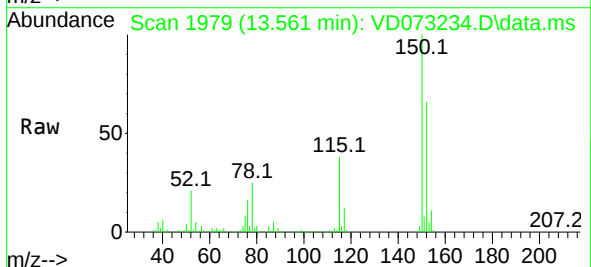
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-2430-01

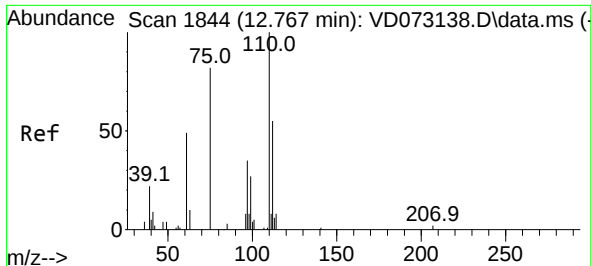
Tgt Ion:173 Resp: 2255
Ion Ratio Lower Upper
173 100
175 538.1 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Tgt Ion:152 Resp: 263917
Ion Ratio Lower Upper
152 100
115 58.1 31.3 93.8
150 153.6 0.0 348.6

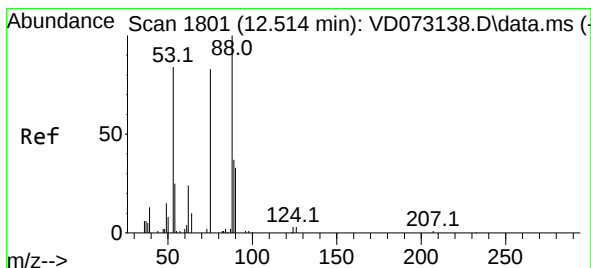
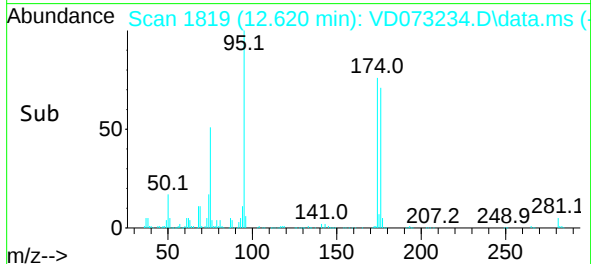
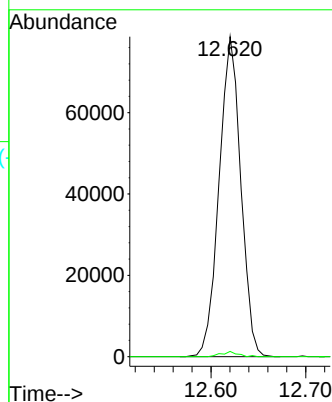
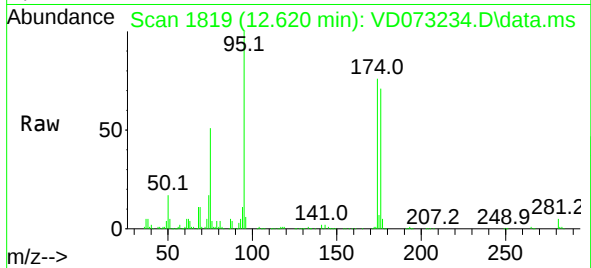




#76
1,2,3-Trichloropropane
Concen: 48.394 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

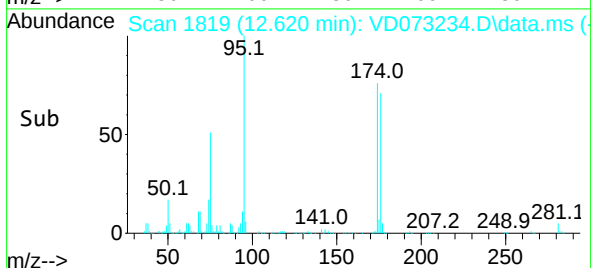
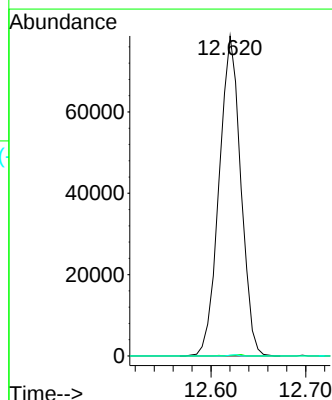
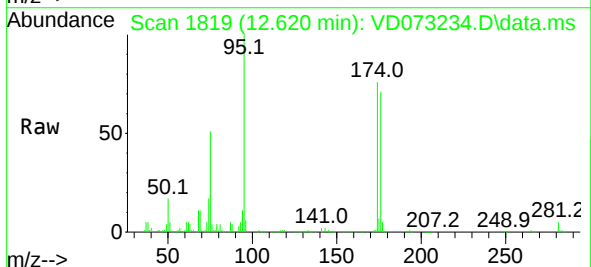
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-2430-01

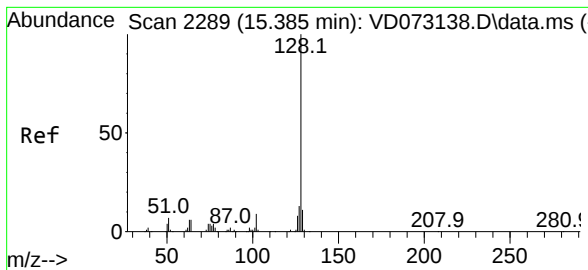
Tgt Ion: 75 Resp: 125316
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.180 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

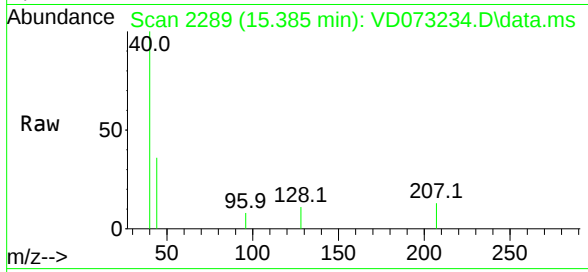
Tgt Ion: 75 Resp: 125316
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.561 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073234.D
Acq: 21 May 2022 17:23

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-2430-01



Tgt Ion:	128	Resp:	178
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

