

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073203.D
 Acq On : 21 May 2022 00:40
 Operator : VA/SY
 Sample : N2885-05
 Misc : 5.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-2430-01

Quant Time: May 21 03:54:06 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)

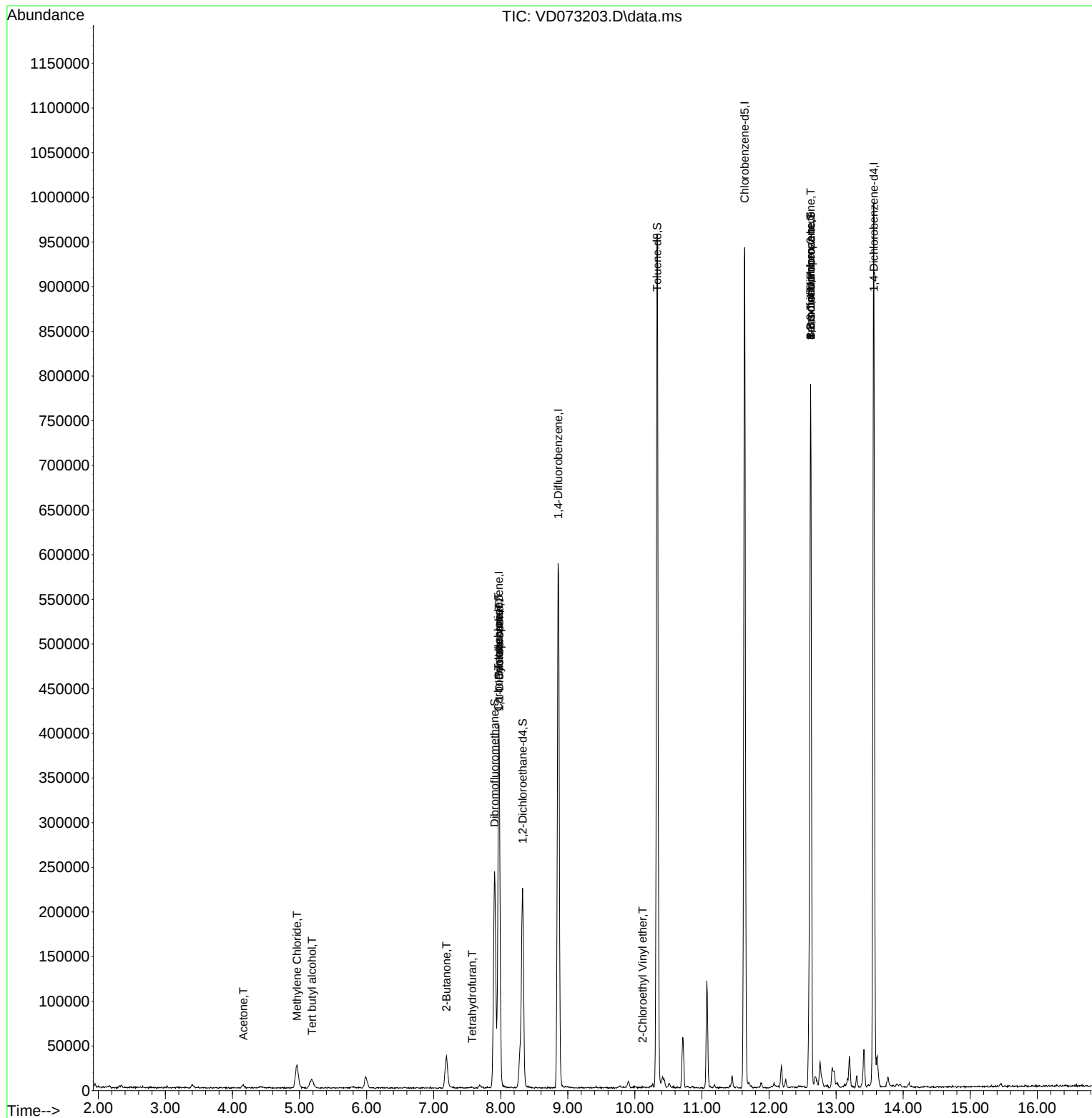
Internal Standards						
1) Pentafluorobenzene	7.973	168	278772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	505129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	551652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	256364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170921	55.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.960%			
35) Dibromofluoromethane	7.909	113	180596	54.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.360%			
50) Toluene-d8	10.332	98	635418	51.715	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.620	95	247507	57.400	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.800%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	552	Below Cal	#	58
11) Tert butyl alcohol	5.185	59	9987	20.894	ug/l #	74
16) Acetone	4.162	43	5125	9.604	ug/l #	87
20) Methylene Chloride	4.962	84	19995	2.081	ug/l #	82
25) 2-Butanone	7.191	43	2750	3.522	ug/l #	52
29) Tetrahydrofuran	7.573	42	833	1.650	ug/l #	51
31) Cyclohexane	7.973	56	6624	1.230	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	24405	4.868	ug/l #	51
38) Carbon Tetrachloride	7.967	117	30683	6.038	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.114	63	71	21.666	ug/l #	48
71) Bromoform	12.620	173	2546	1.179	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	129419	51.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	129419	123.519	ug/l #	7

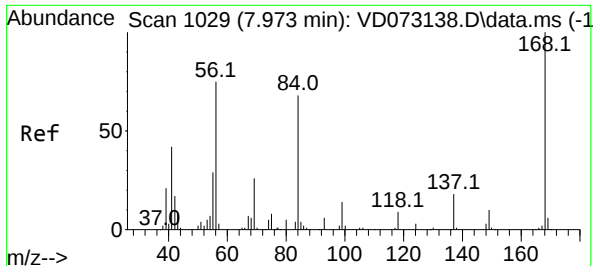
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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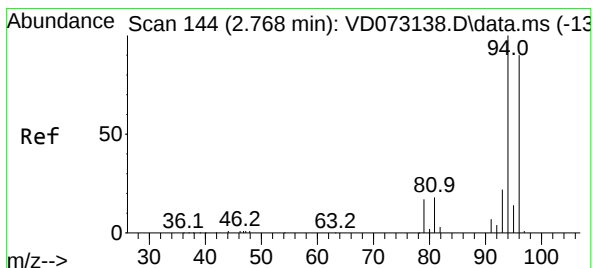
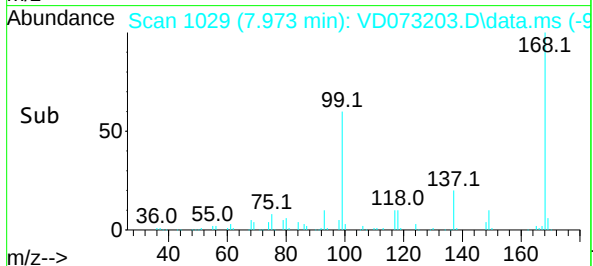
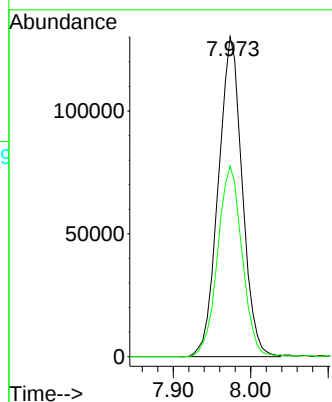
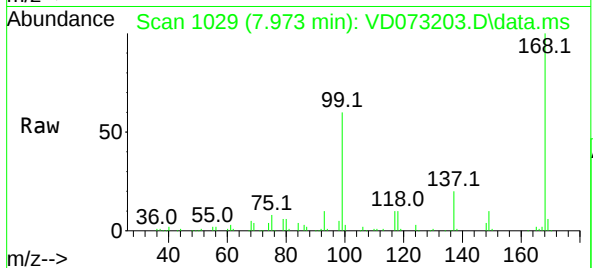




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

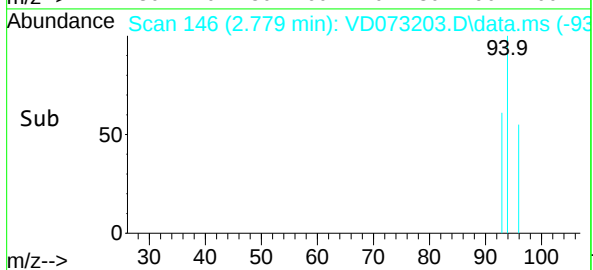
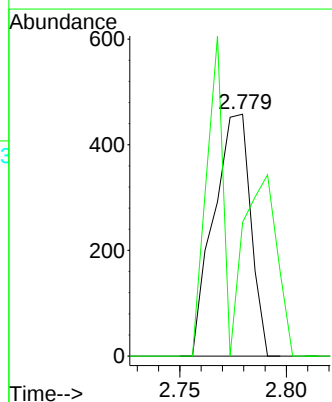
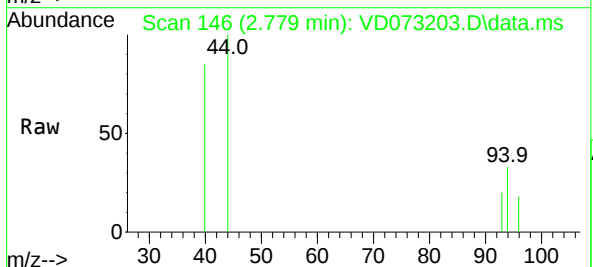
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-2430-01

Tgt Ion:168 Resp: 278772
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

Tgt Ion: 94 Resp: 552
Ion Ratio Lower Upper
94 100
96 55.2 77.6 116.4#

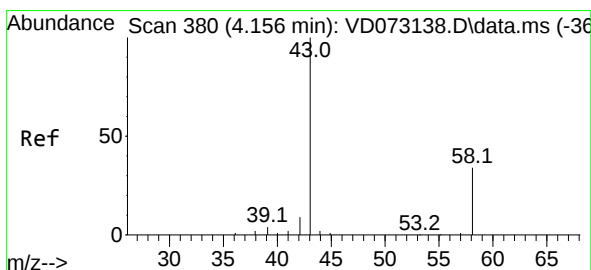
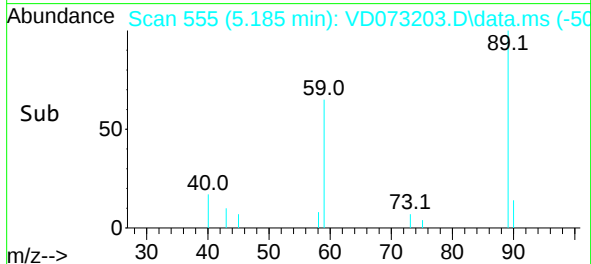
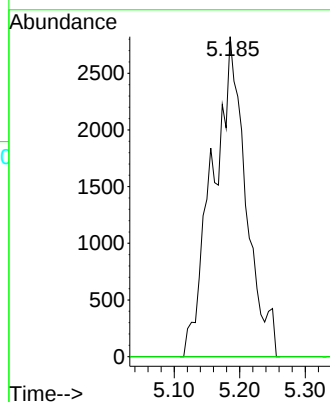
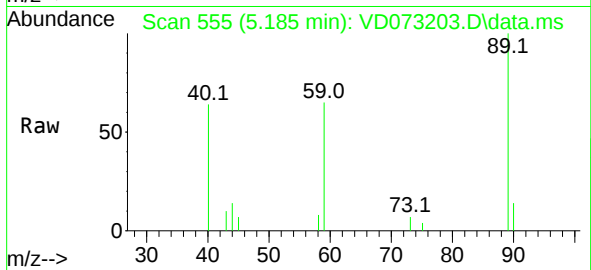




#11
Tert butyl alcohol
Concen: 20.894 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

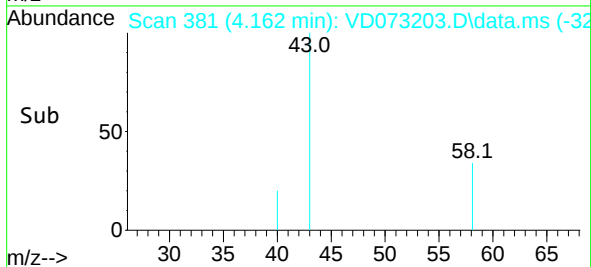
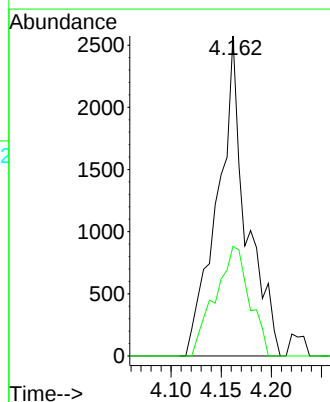
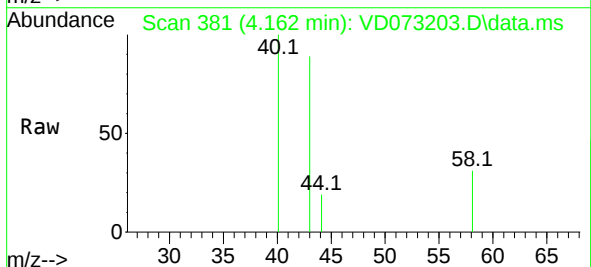
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-2430-01

Tgt Ion: 59 Resp: 9987
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 9.604 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

Tgt Ion: 43 Resp: 5125
Ion Ratio Lower Upper
43 100
58 34.3 22.1 33.1#

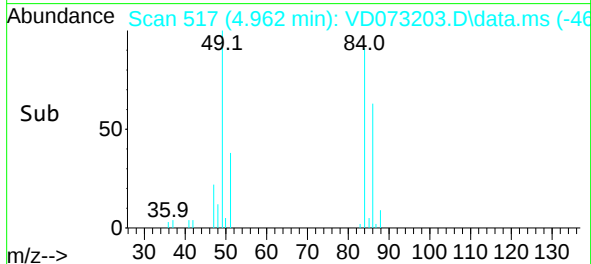
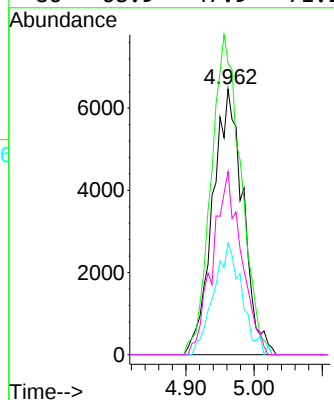
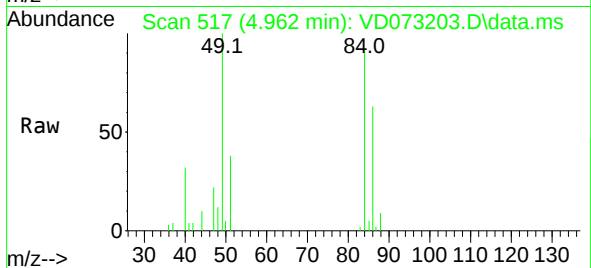




#20
Methylene Chloride
Concen: 2.081 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

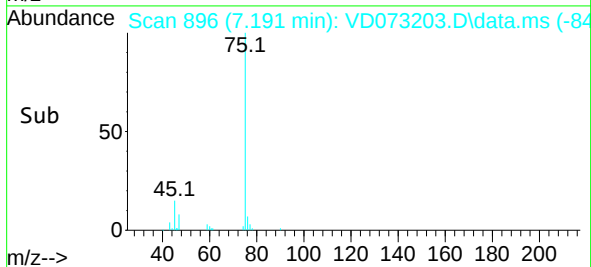
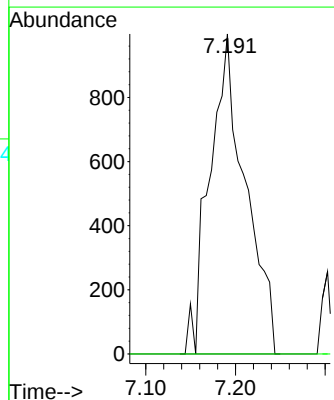
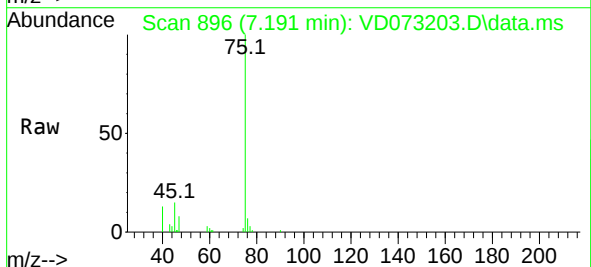
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-2430-01

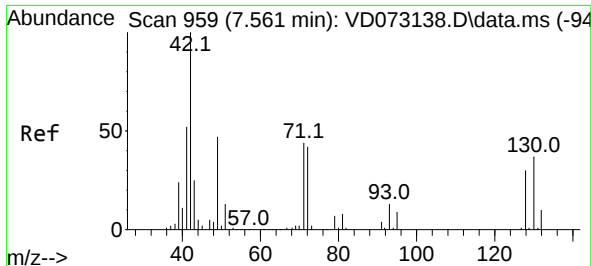
Tgt Ion:	84	Resp:	19995
Ion	Ratio	Lower	Upper
84	100		
49	109.7	112.8	169.2#
51	41.9	32.6	48.8
86	68.9	47.9	71.9



#25
2-Butanone
Concen: 3.522 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

Tgt Ion:	43	Resp:	2750
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#29

Tetrahydrofuran

Concen: 1.650 ug/l

RT: 7.573 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD073203.D

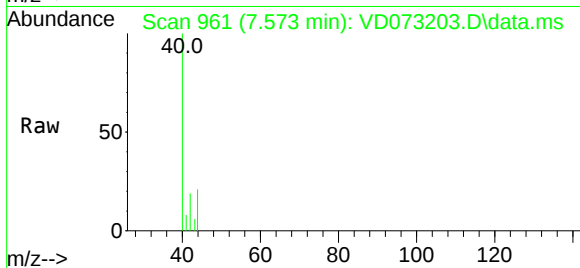
Acq: 21 May 2022 00:40

Instrument :

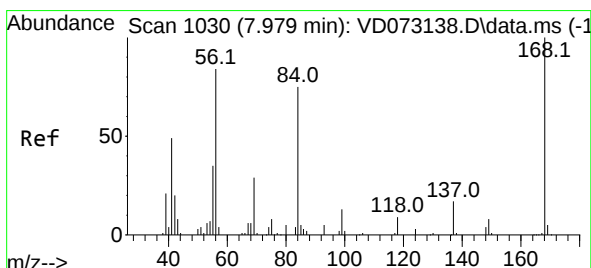
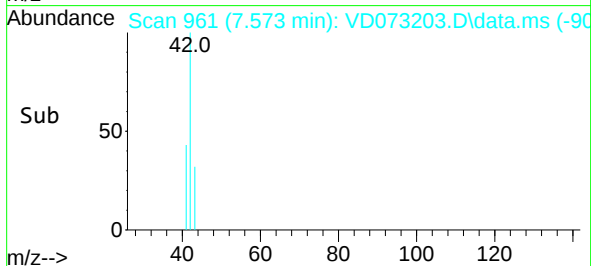
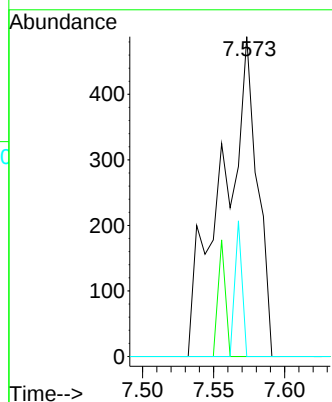
MSVOA_D

ClientSampleId :

P004-SS002-2430-01



Tgt Ion:	42	Resp:	833
Ion Ratio	Lower	Upper	
42	100		
72	7.6	30.7	46.1#
71	8.8	28.6	43.0#



#31

Cyclohexane

Concen: 1.230 ug/l

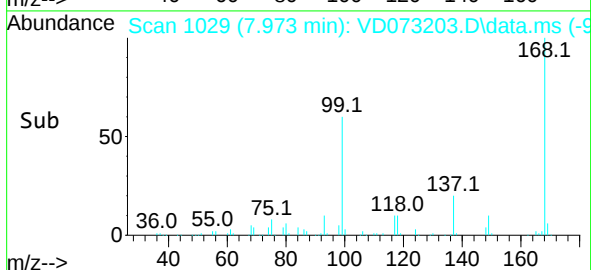
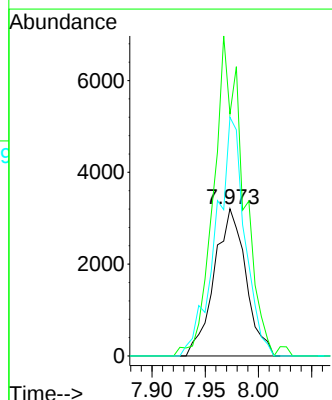
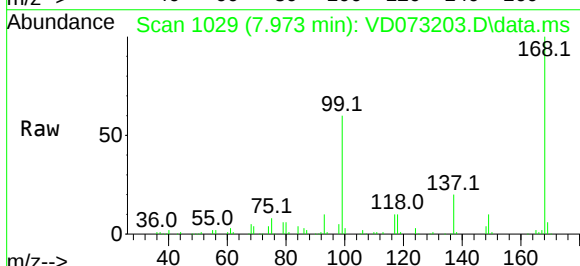
RT: 7.973 min Scan# 1029

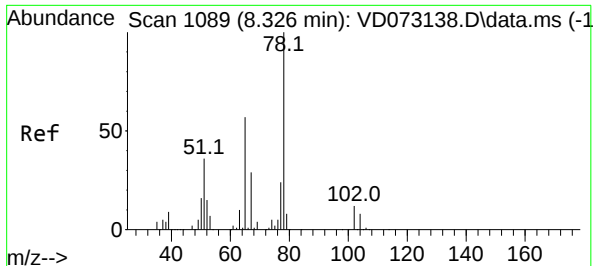
Delta R.T. -0.006 min

Lab File: VD073203.D

Acq: 21 May 2022 00:40

Tgt Ion:	56	Resp:	6624
Ion Ratio	Lower	Upper	
56	100		
69	158.5	25.4	38.2#
84	162.1	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 55.479 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073203.D

Acq: 21 May 2022 00:40

Instrument :

MSVOA_D

ClientSampleId :

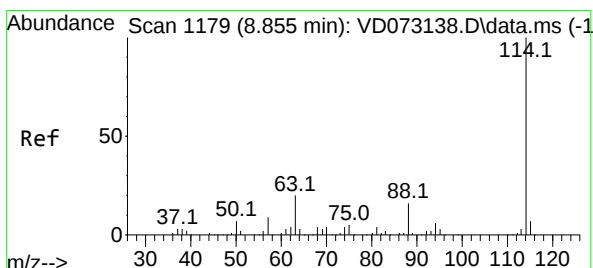
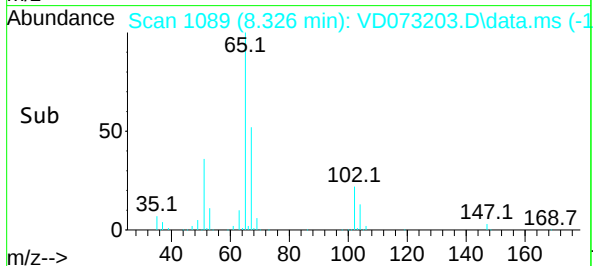
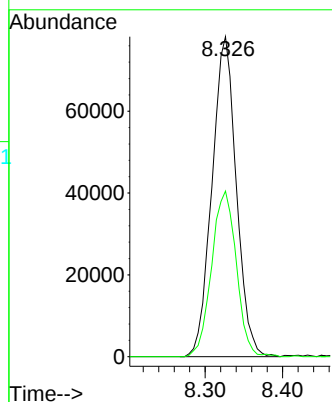
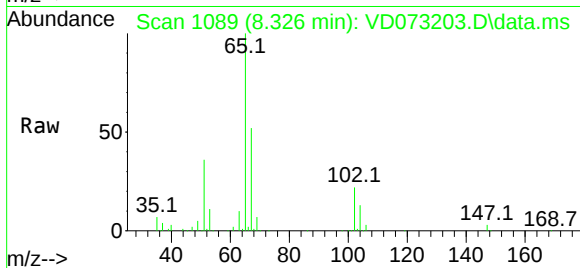
P004-SS002-2430-01

Tgt Ion: 65 Resp: 170921

Ion Ratio Lower Upper

65 100

67 52.6 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: VD073203.D

Acq: 21 May 2022 00:40

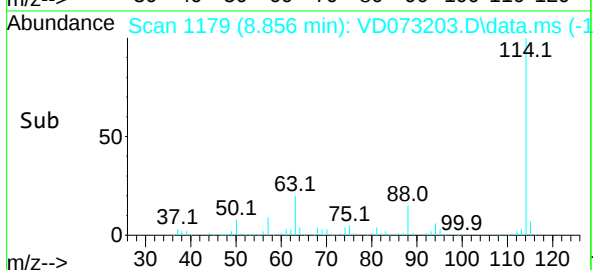
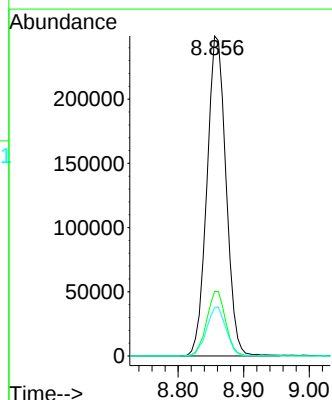
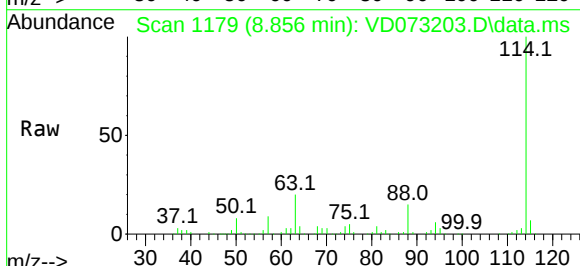
Tgt Ion: 114 Resp: 505129

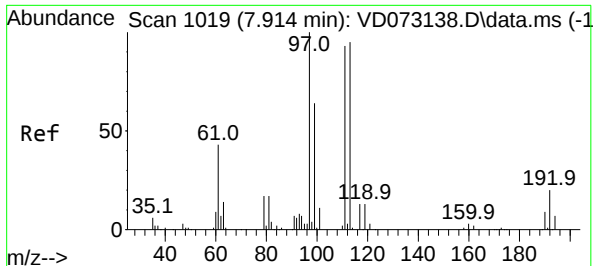
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.181 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073203.D

Acq: 21 May 2022 00:40

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-2430-01

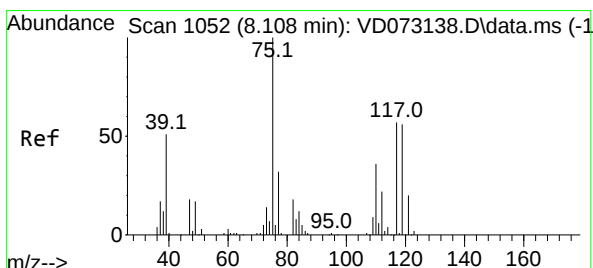
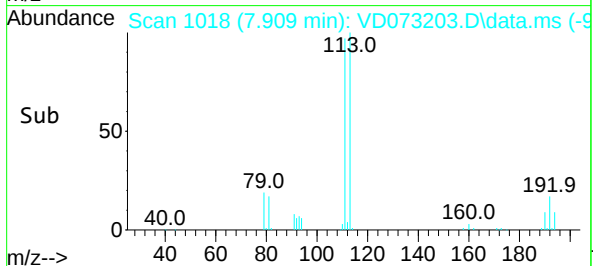
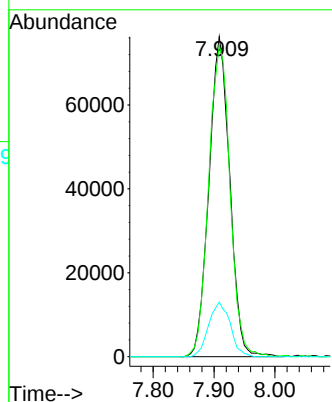
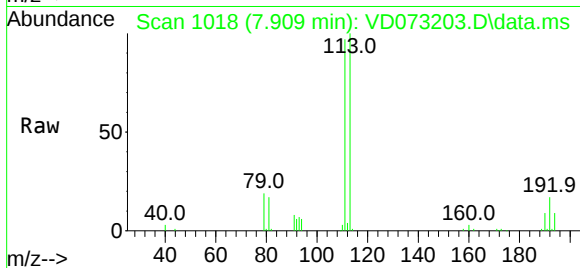
Tgt Ion:113 Resp: 180596

Ion Ratio Lower Upper

113 100

111 100.2 83.8 125.6

192 17.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.868 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073203.D

Acq: 21 May 2022 00:40

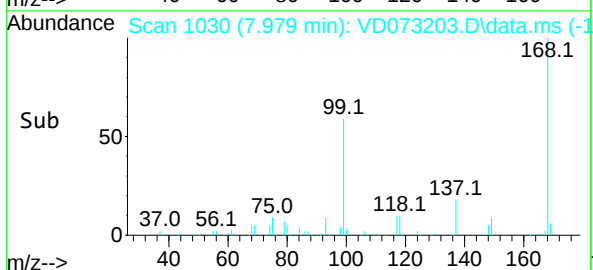
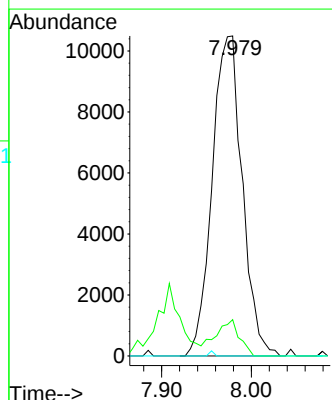
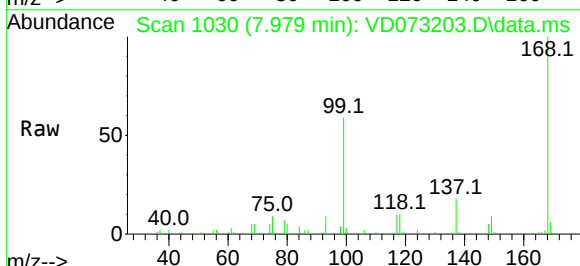
Tgt Ion: 75 Resp: 24405

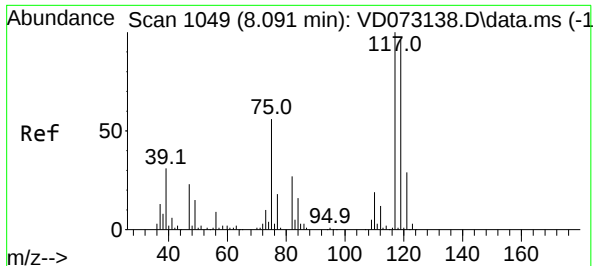
Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.1#

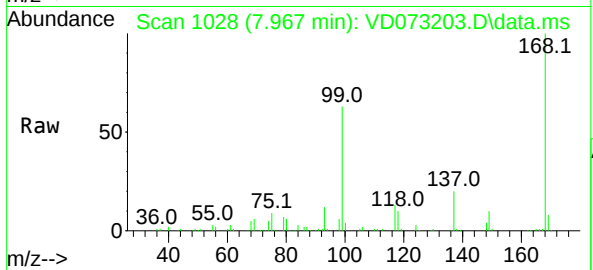
77 0.0 24.2 36.2#



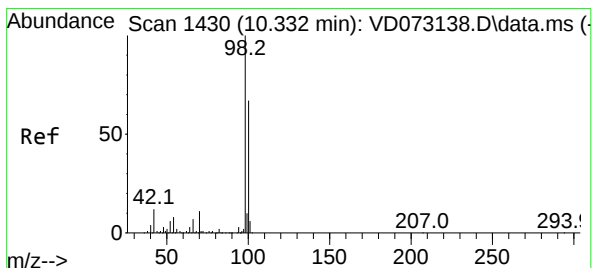
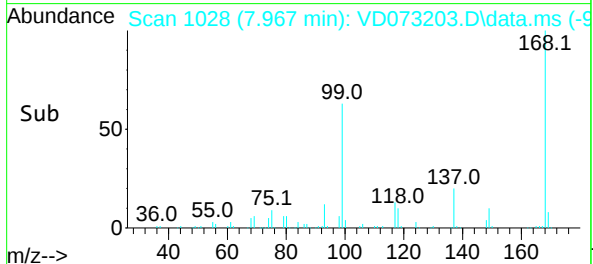
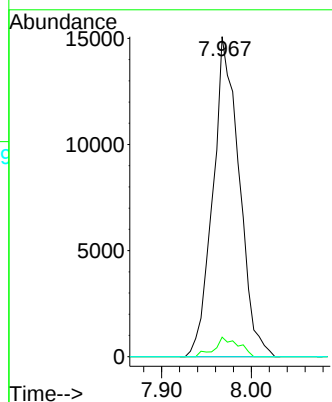


#38
Carbon Tetrachloride
Concen: 6.038 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-2430-01

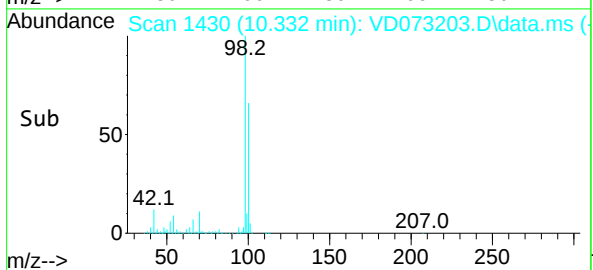
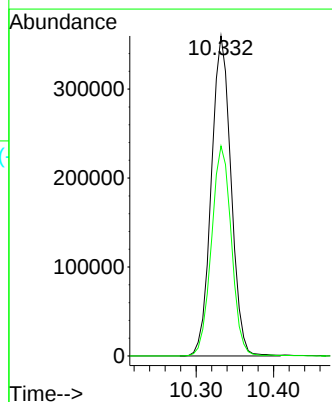
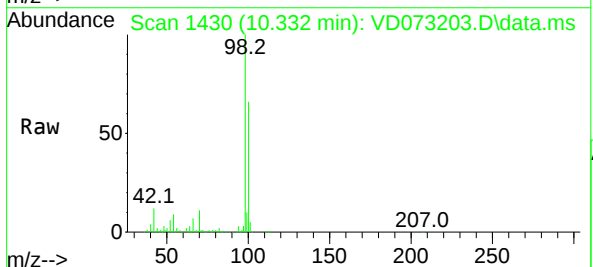


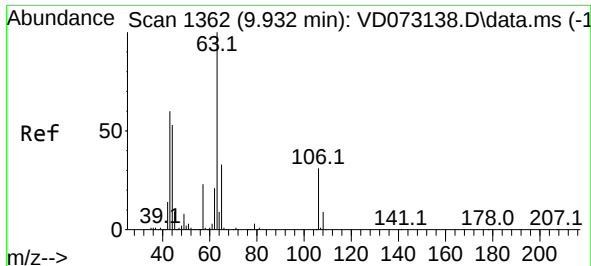
Tgt Ion:117 Resp: 30683
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.715 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

Tgt Ion: 98 Resp: 635418
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

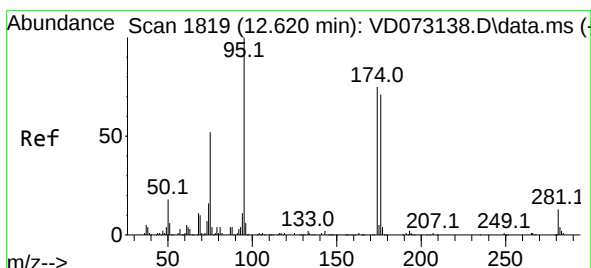
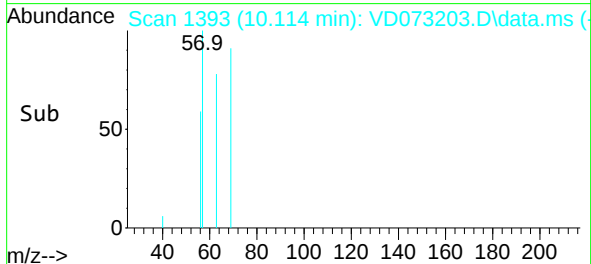
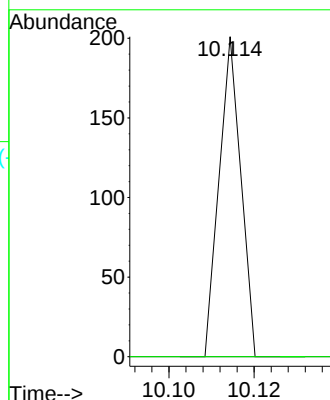
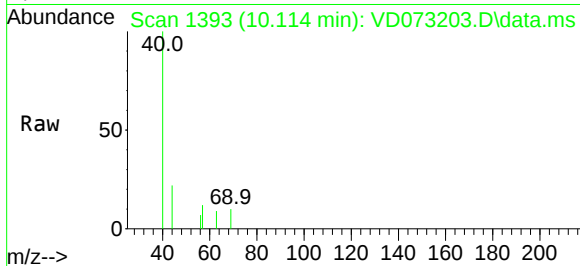




#58
2-Chloroethyl Vinyl ether
Concen: 21.666 ug/l
RT: 10.114 min Scan# 1393
Delta R.T. 0.182 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

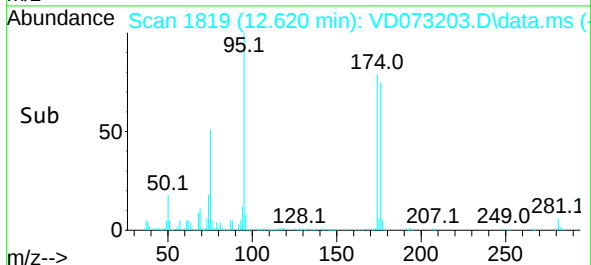
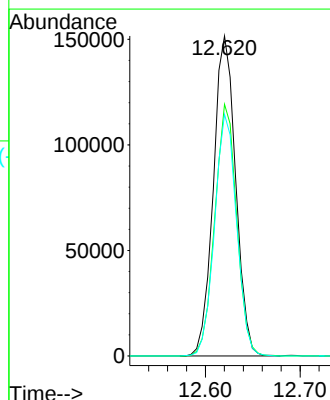
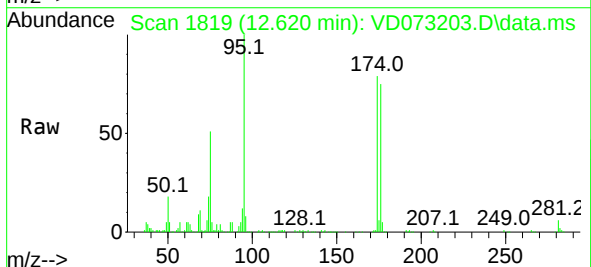
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-2430-01

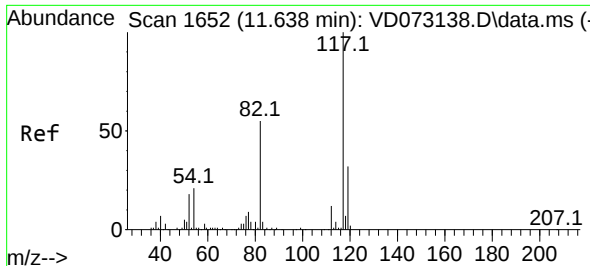
Tgt Ion: 63 Resp: 71
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#



#62
4-Bromofluorobenzene
Concen: 57.400 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

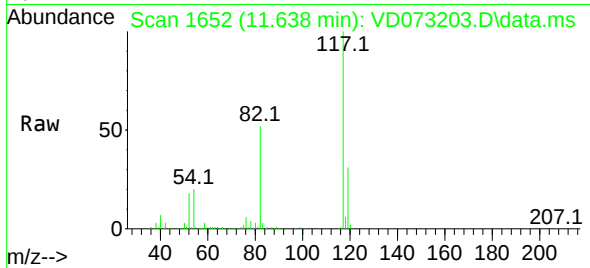
Tgt Ion: 95 Resp: 247507
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 74.7 0.0 145.4



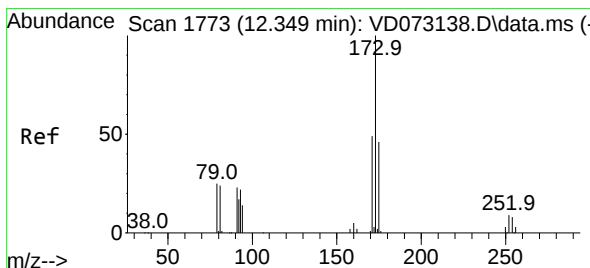
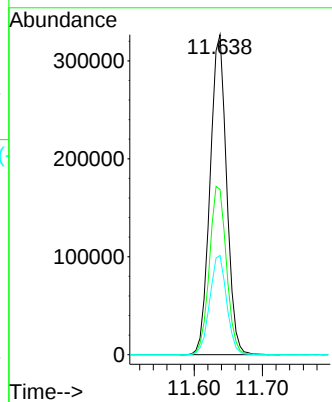
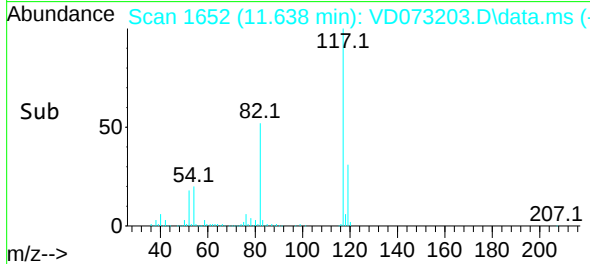


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-2430-01

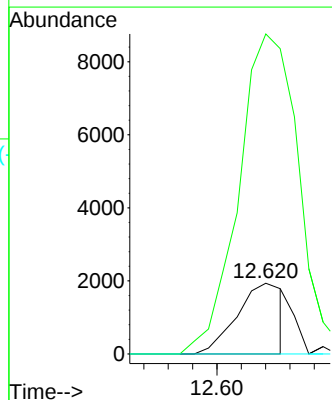
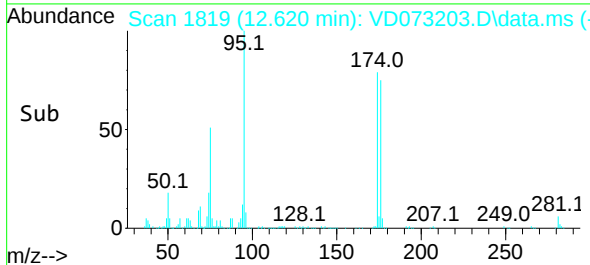
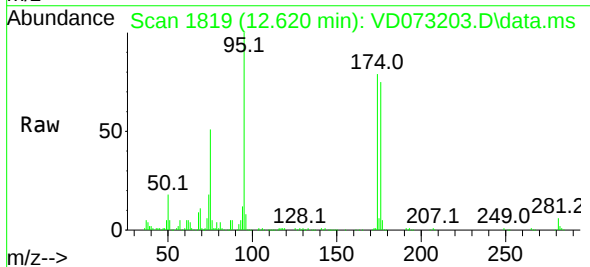


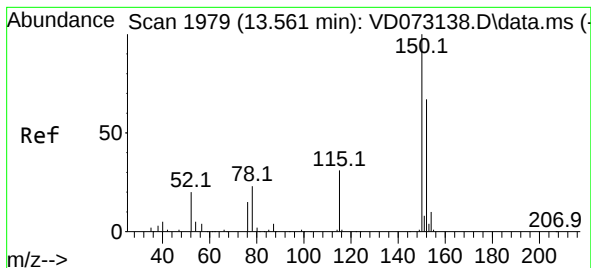
Tgt Ion:117 Resp: 551652
Ion Ratio Lower Upper
117 100
82 51.7 45.3 67.9
119 31.0 26.6 40.0



#71
Bromoform
Concen: 1.179 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073203.D
Acq: 21 May 2022 00:40

Tgt Ion:173 Resp: 2546
Ion Ratio Lower Upper
173 100
175 444.4 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: VD073203.D

Acq: 21 May 2022 00:40

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-2430-01

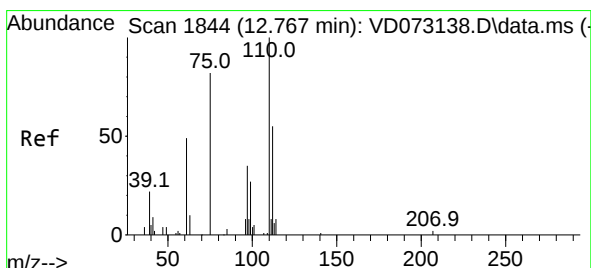
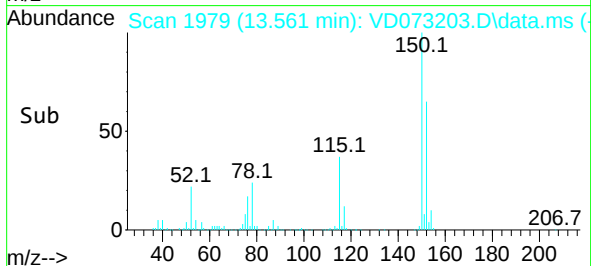
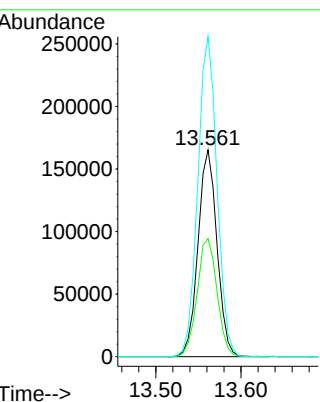
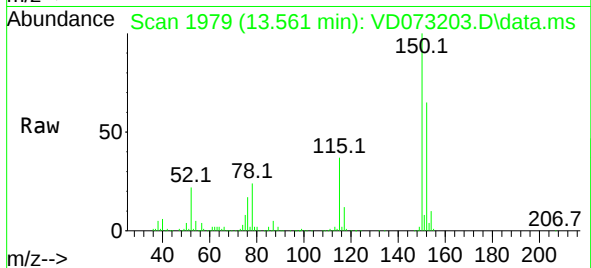
Tgt Ion:152 Resp: 256364

Ion Ratio Lower Upper

152 100

115 59.9 31.3 93.8

150 156.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 51.451 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073203.D

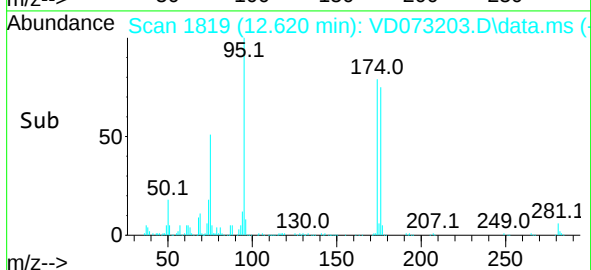
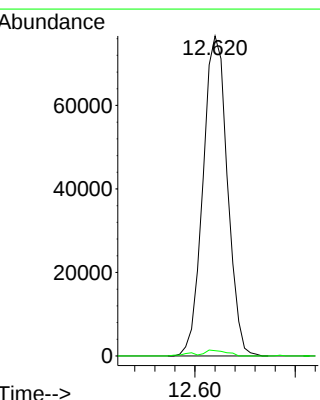
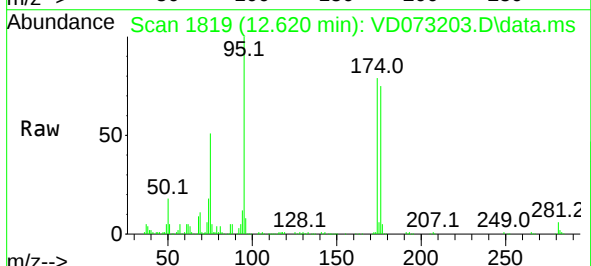
Acq: 21 May 2022 00:40

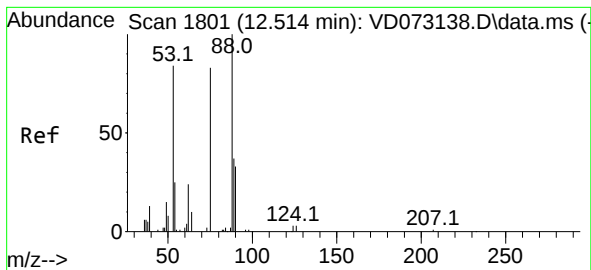
Tgt Ion: 75 Resp: 129419

Ion Ratio Lower Upper

75 100

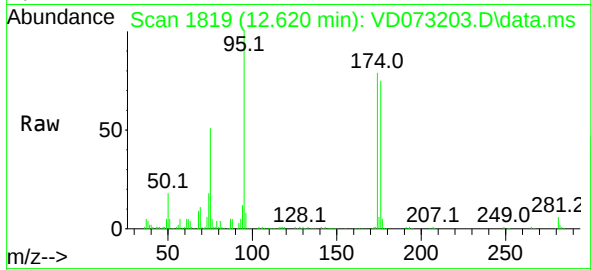
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.519 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073203.D
 Acq: 21 May 2022 00:40

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-2430-01



Tgt Ion: 75 Resp: 129419
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.1 33.9 50.9#

