

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073232.D
 Acq On : 21 May 2022 16:25
 Operator : VA/SY
 Sample : N2870-03
 Misc : 5.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-1218-01

Quant Time: May 22 01:32:32 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)

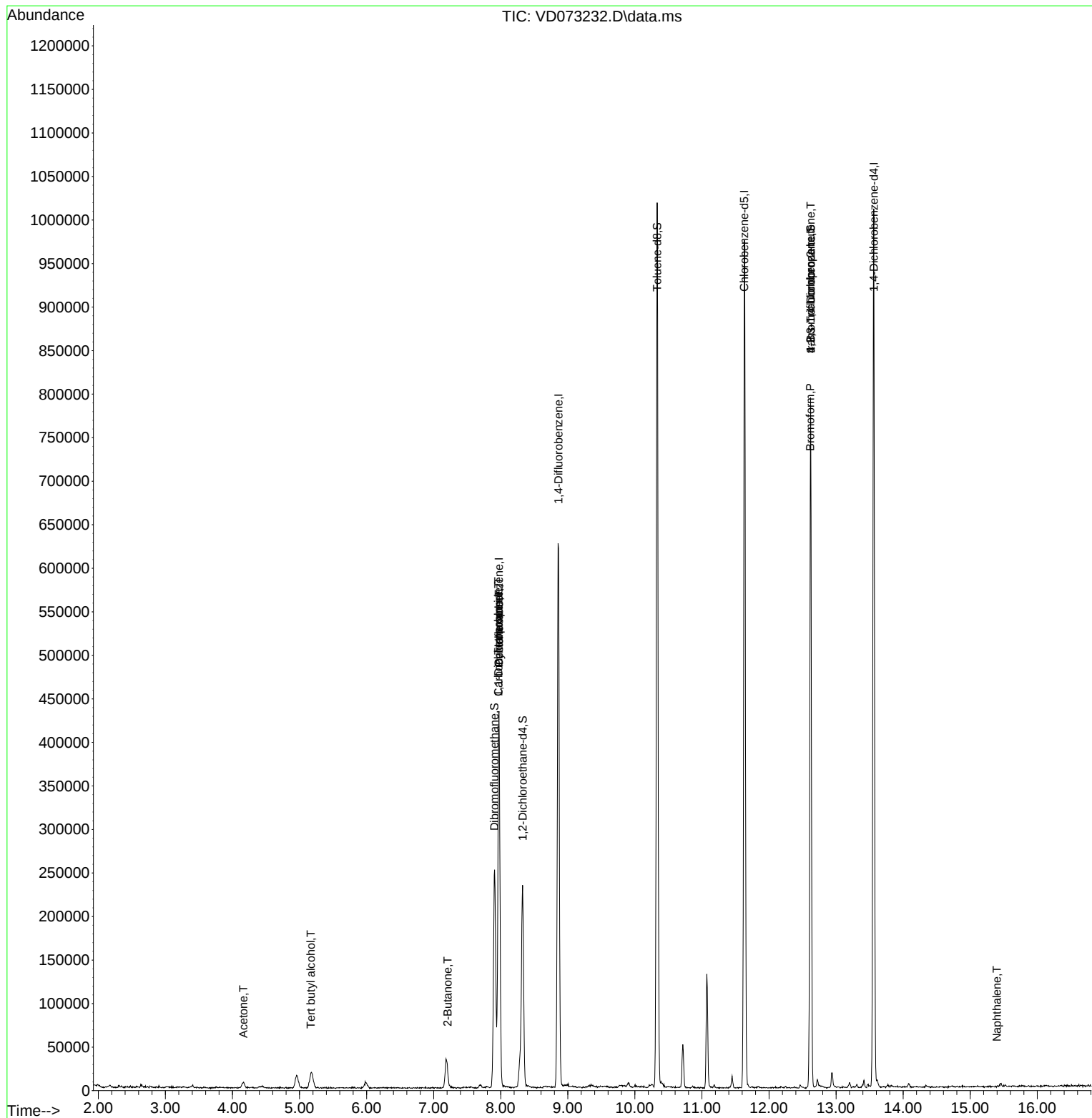
Internal Standards						
1) Pentafluorobenzene	7.973	168	301298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	534887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	570097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176761	53.085	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.180%	
35) Dibromofluoromethane	7.903	113	182383	51.673	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.340%	
50) Toluene-d8	10.332	98	662094	50.888	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.620	95	245405	53.746	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	1015	Below Cal	#	59
11) Tert butyl alcohol	5.167	59	16758	32.438	ug/l #	75
16) Acetone	4.162	43	11978	20.768	ug/l	94
20) Methylene Chloride	4.962	84	11204	Below Cal	#	72
25) 2-Butanone	7.208	43	3294	3.904	ug/l #	52
31) Cyclohexane	7.973	56	7403	1.272	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	26451	4.983	ug/l #	52
38) Carbon Tetrachloride	7.967	117	32922	6.118	ug/l #	17
71) Bromoform	12.614	173	2263	1.014	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	128702	49.740	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	128702	119.410	ug/l #	7
95) Naphthalene	15.396	128	76	3.550	ug/l #	70

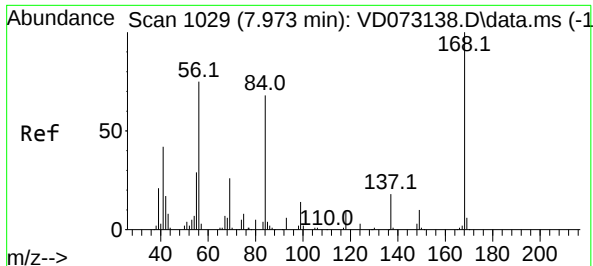
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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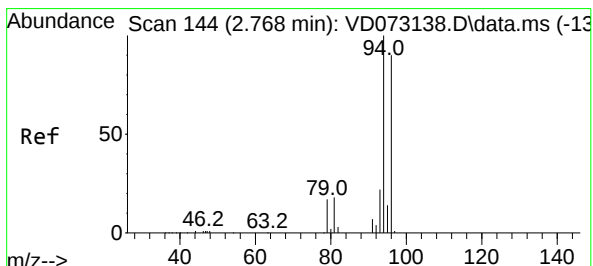
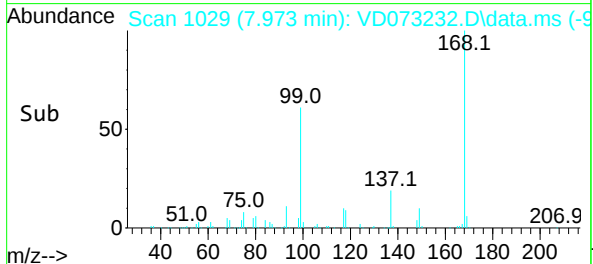
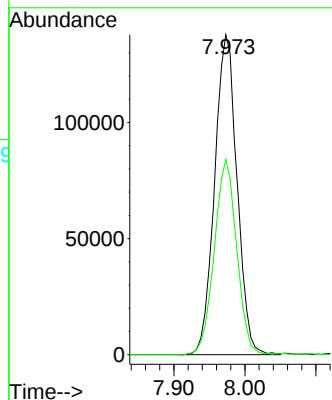
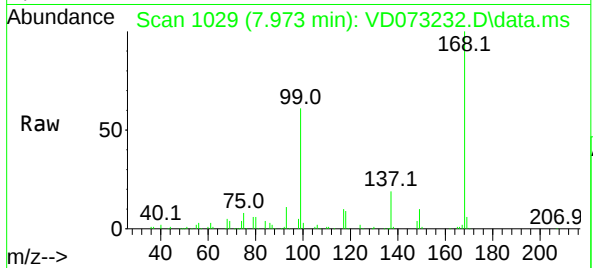




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

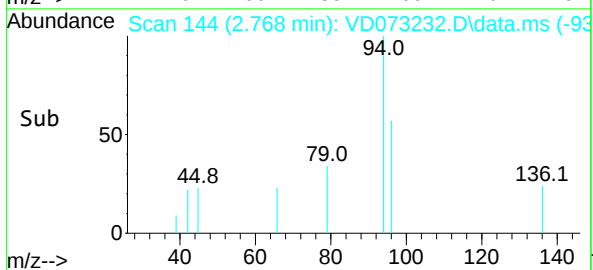
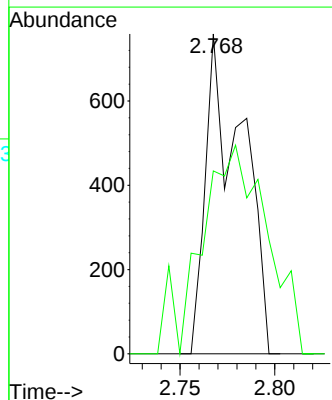
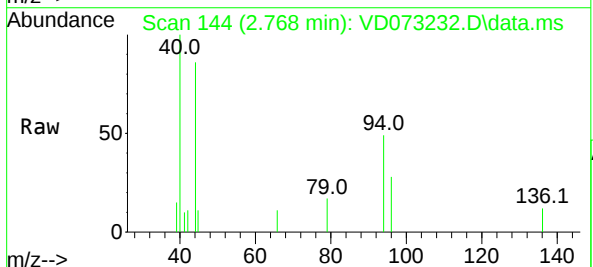
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1218-01

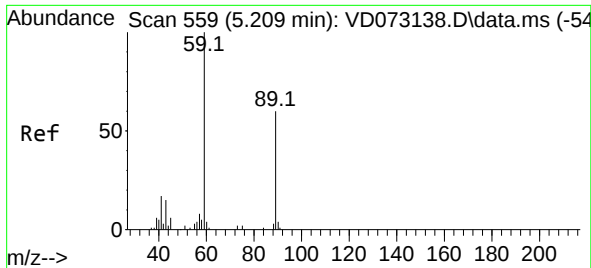
Tgt Ion:168 Resp: 301298
Ion Ratio Lower Upper
168 100
99 61.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

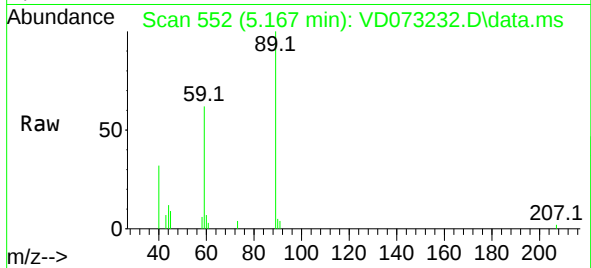
Tgt Ion: 94 Resp: 1015
Ion Ratio Lower Upper
94 100
96 57.2 77.6 116.4#



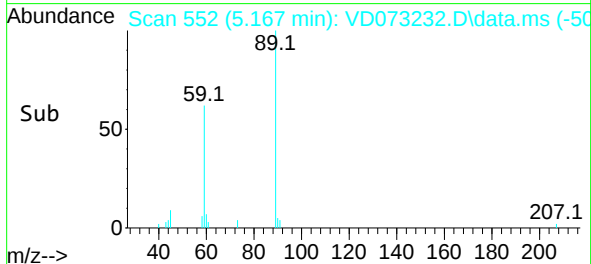
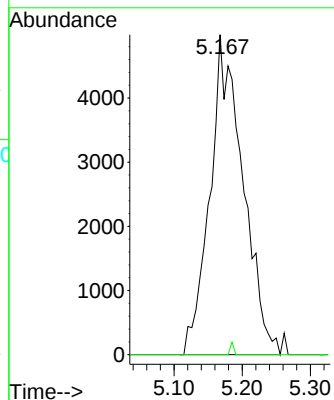


#11
Tert butyl alcohol
Concen: 32.438 ug/l
RT: 5.167 min Scan# 511
Delta R.T. -0.042 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1218-01

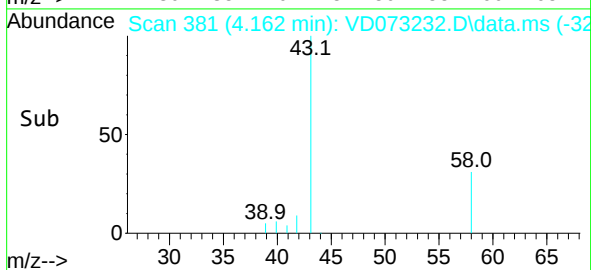
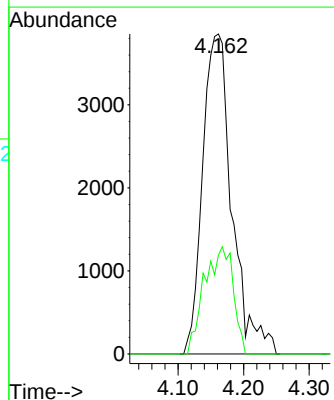
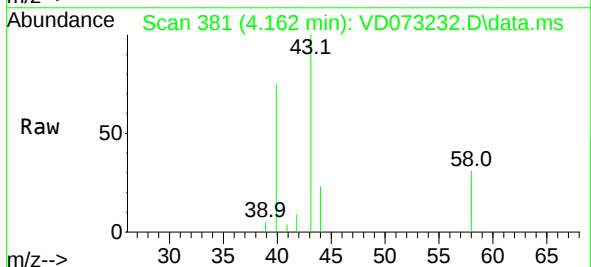


Tgt Ion: 59 Resp: 16758
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.6#



#16
Acetone
Concen: 20.768 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Tgt Ion: 43 Resp: 11978
Ion Ratio Lower Upper
43 100
58 30.9 22.1 33.1

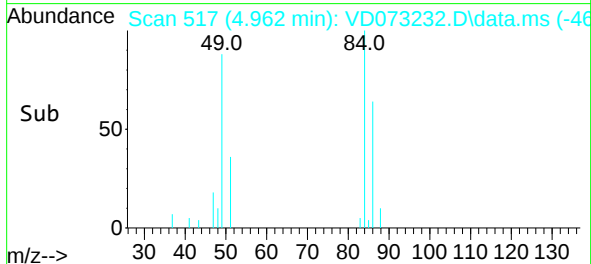
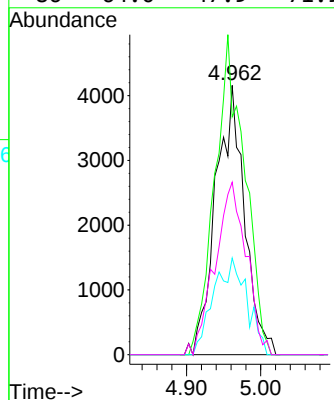
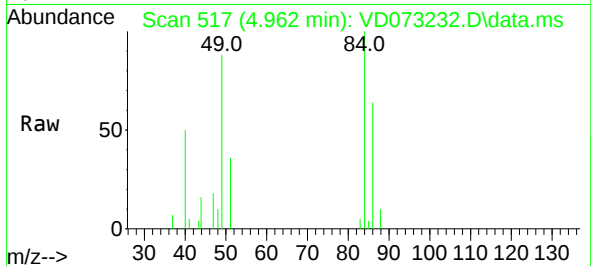




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

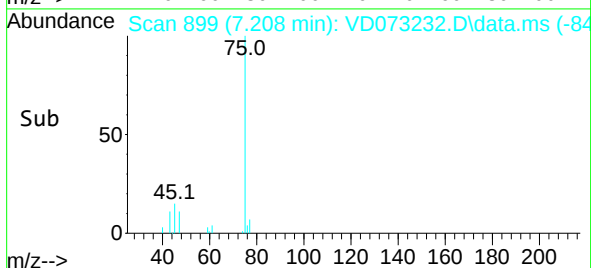
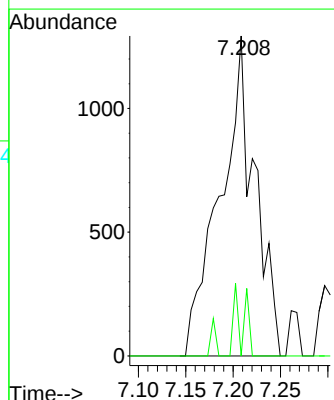
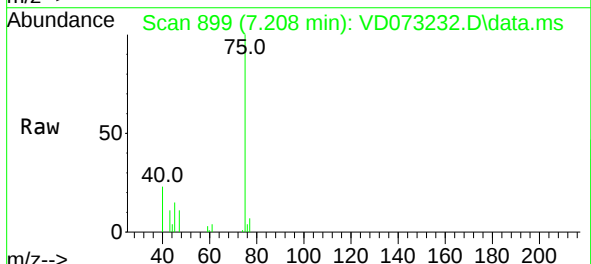
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1218-01

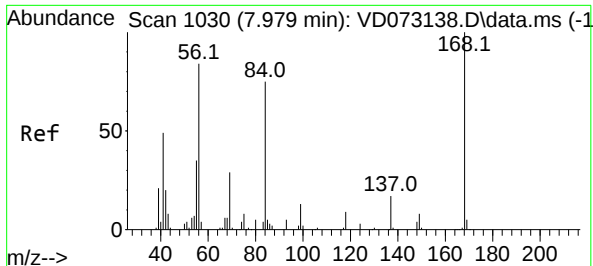
Tgt Ion:	84	Resp:	11204
Ion	Ratio	Lower	Upper
84	100		
49	88.3	112.8	169.2#
51	35.9	32.6	48.8
86	64.0	47.9	71.9



#25
2-Butanone
Concen: 3.904 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Tgt Ion:	43	Resp:	3294
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073232.D

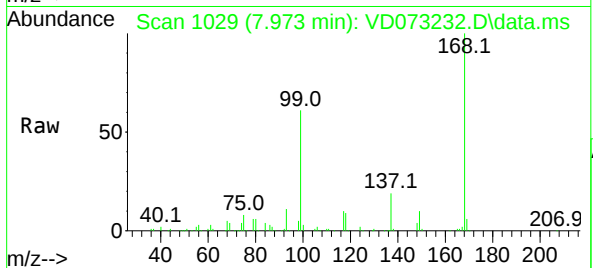
Acq: 21 May 2022 16:25

Instrument :

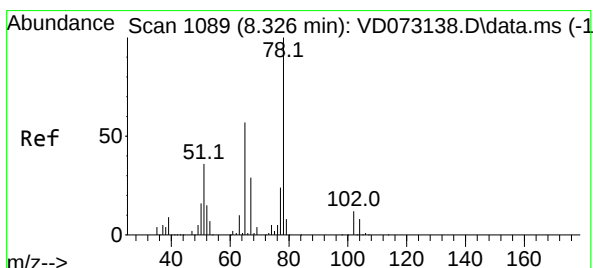
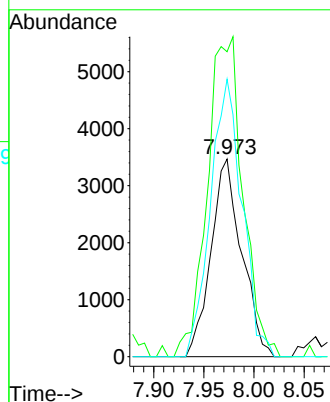
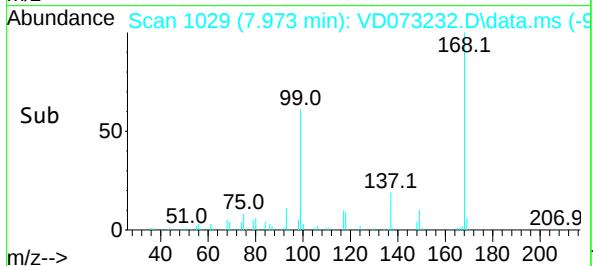
MSVOA_D

ClientSampleId :

P033-SS001-1218-01



Tgt Ion:	56	Resp:	7403
Ion Ratio	100	Lower	Upper
56	100		
69	154.3	25.4	38.2#
84	140.3	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 53.085 ug/l

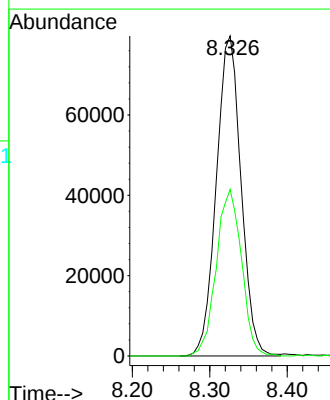
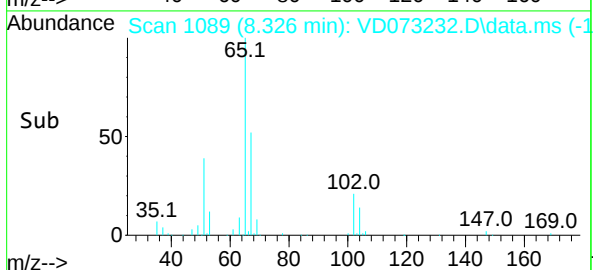
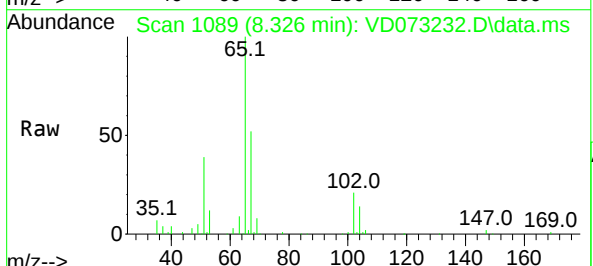
RT: 8.326 min Scan# 1089

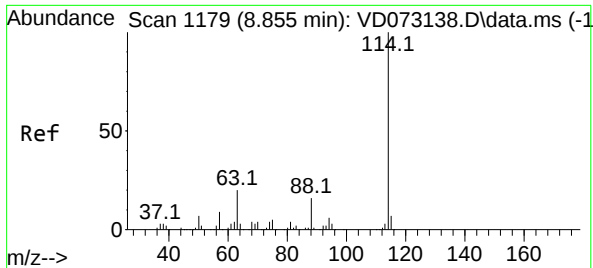
Delta R.T. 0.000 min

Lab File: VD073232.D

Acq: 21 May 2022 16:25

Tgt Ion:	65	Resp:	176761
Ion Ratio	100	Lower	Upper
65	100		
67	53.1	0.0	101.4

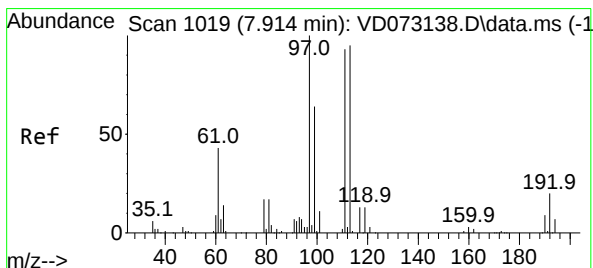
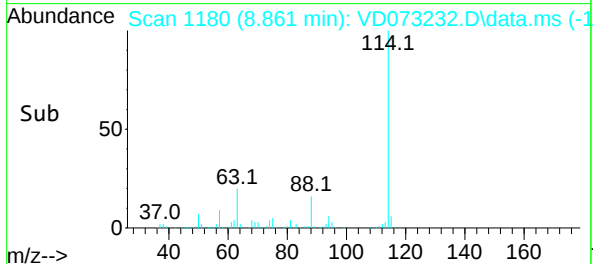
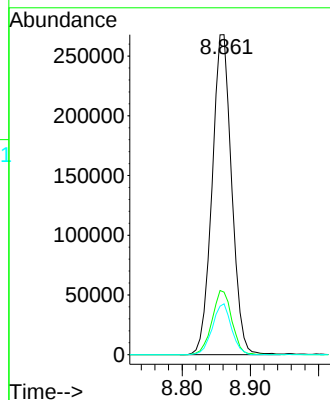
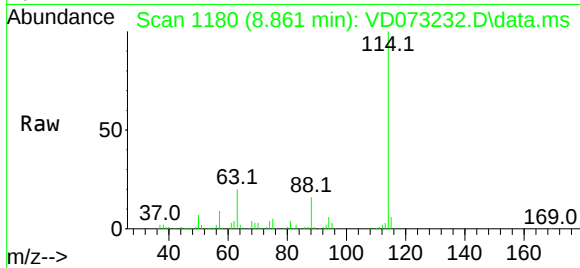




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

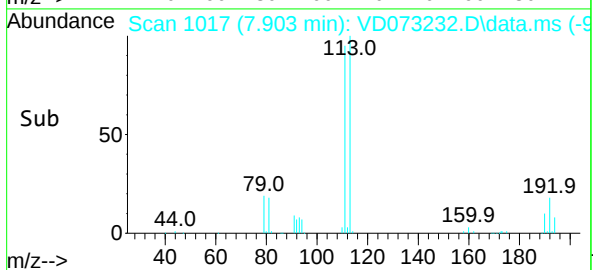
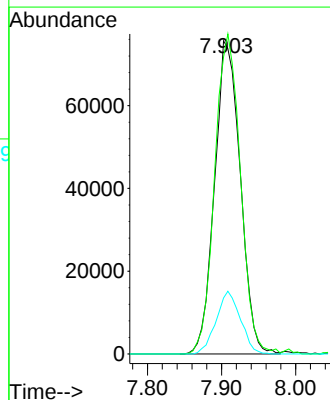
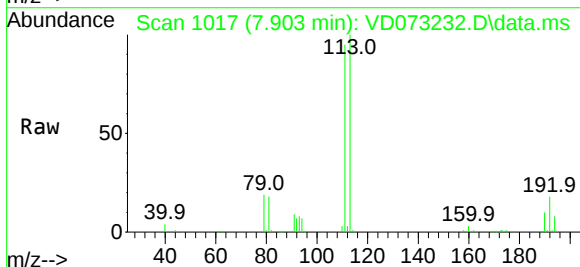
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1218-01

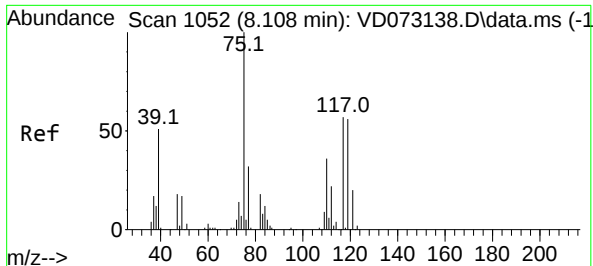
Tgt Ion:	114	Resp:	534887
Ion Ratio	Lower	Upper	
114	100		
63	19.6	0.0	46.6
88	15.9	0.0	33.2



#35
Dibromofluoromethane
Concen: 51.673 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.011 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Tgt Ion:	113	Resp:	182383
Ion Ratio	Lower	Upper	
113	100		
111	102.2	83.8	125.6
192	18.9	14.6	21.8

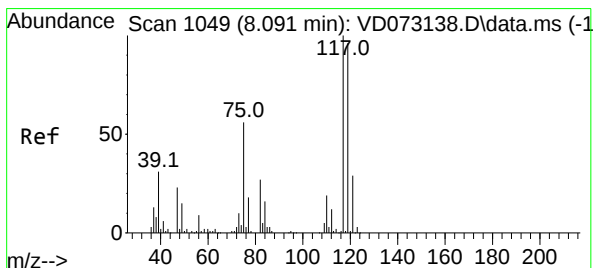
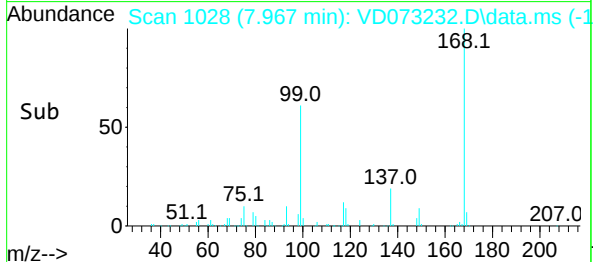
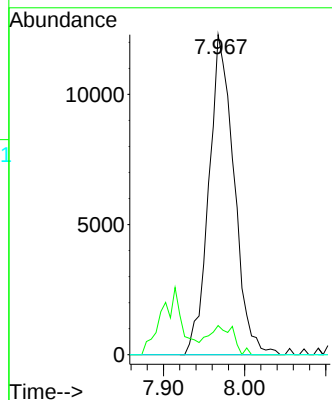
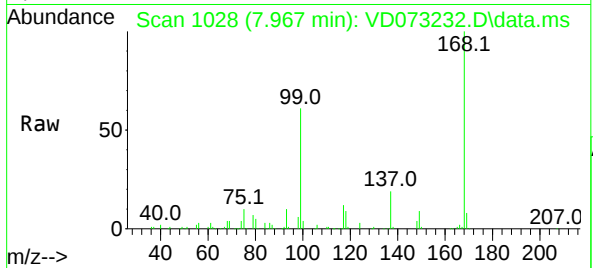




#36
1,1-Dichloropropene
Concen: 4.983 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

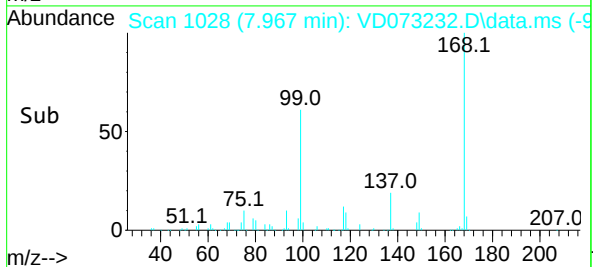
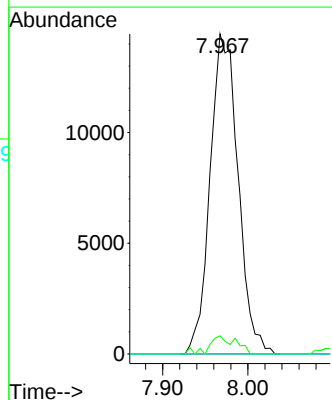
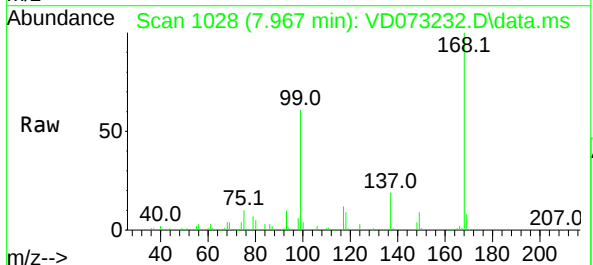
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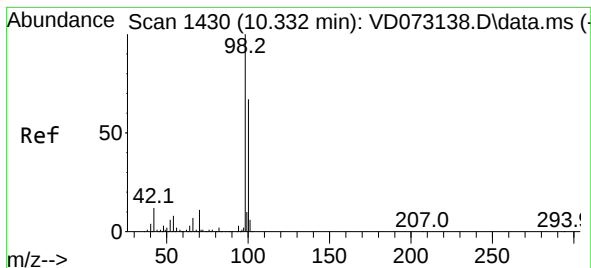
Tgt Ion: 75 Resp: 26451
Ion Ratio Lower Upper
75 100
110 9.2 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Tgt Ion: 117 Resp: 32922
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.6#
121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 50.888 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073232.D

Acq: 21 May 2022 16:25

Instrument :

MSVOA_D

ClientSampleId :

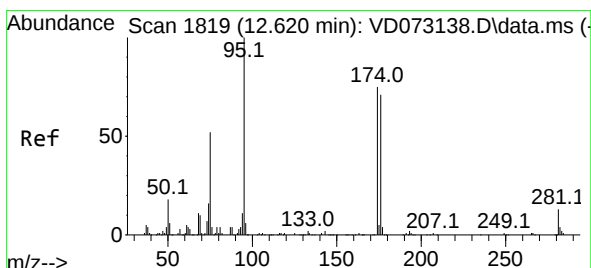
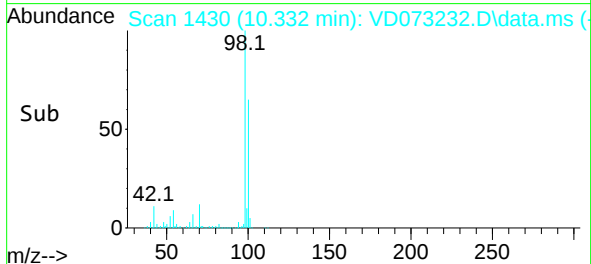
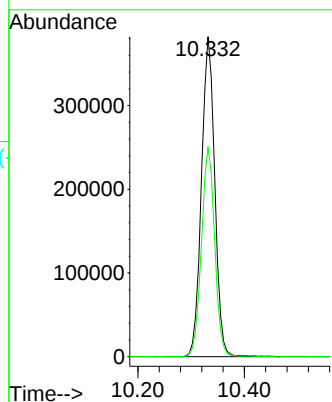
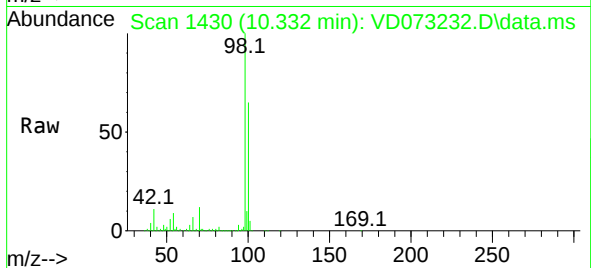
P033-SS001-1218-01

Tgt Ion: 98 Resp: 662094

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.746 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073232.D

Acq: 21 May 2022 16:25

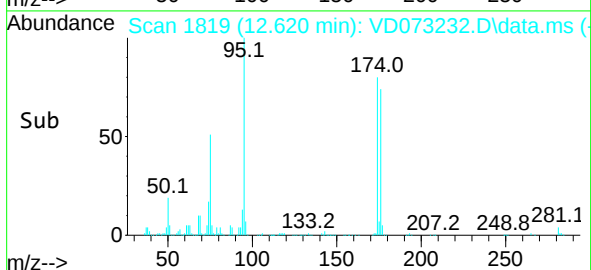
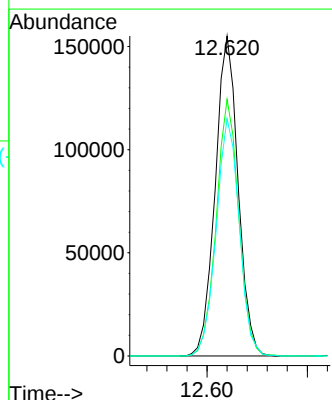
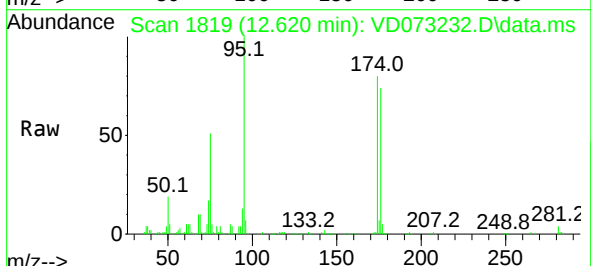
Tgt Ion: 95 Resp: 245405

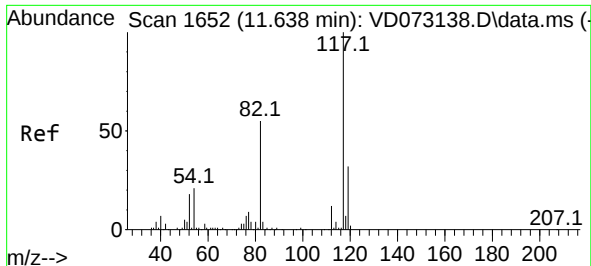
Ion Ratio Lower Upper

95 100

174 78.8 0.0 152.8

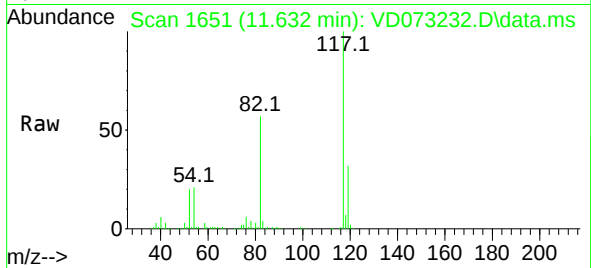
176 74.6 0.0 145.4



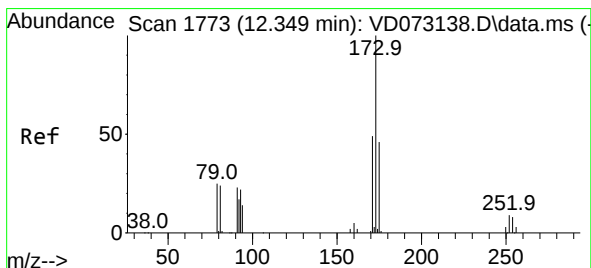
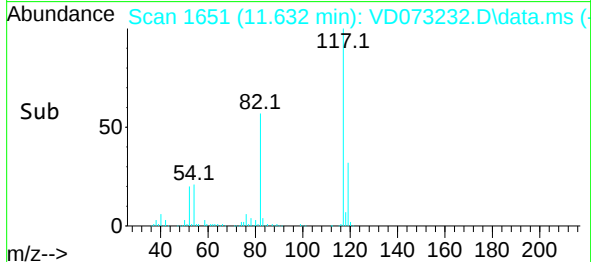
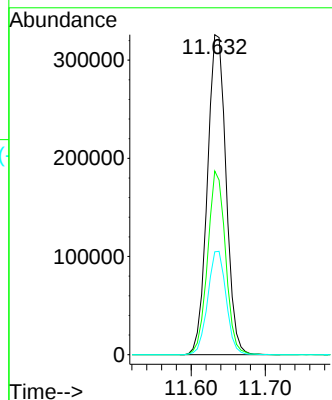


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1218-01

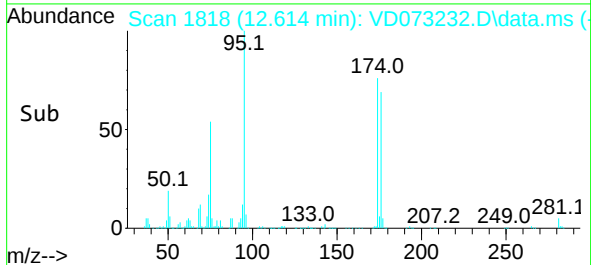
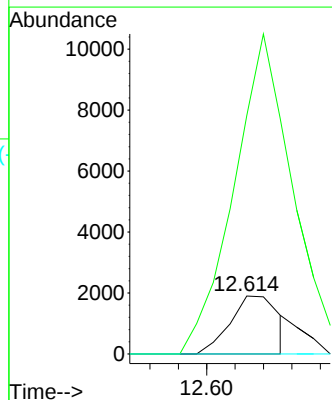
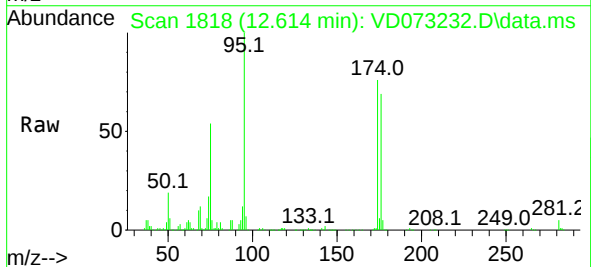


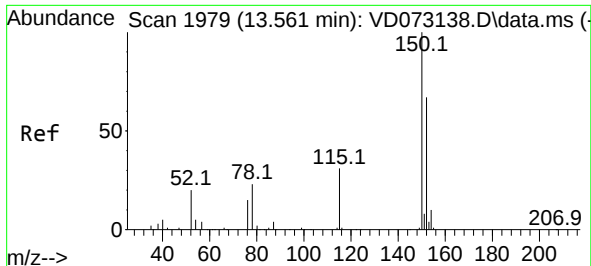
Tgt Ion:117 Resp: 570097
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 32.1 26.6 40.0



#71
Bromoform
Concen: 1.014 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Tgt Ion:173 Resp: 2263
Ion Ratio Lower Upper
173 100
175 532.6 23.9 71.8#
254 0.0 0.0 0.0

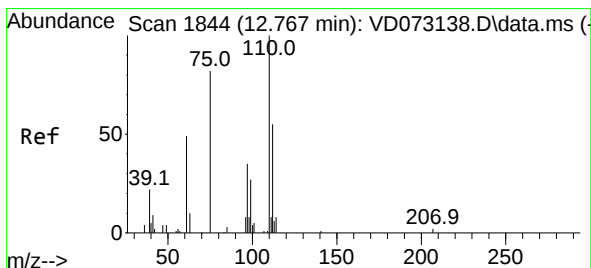
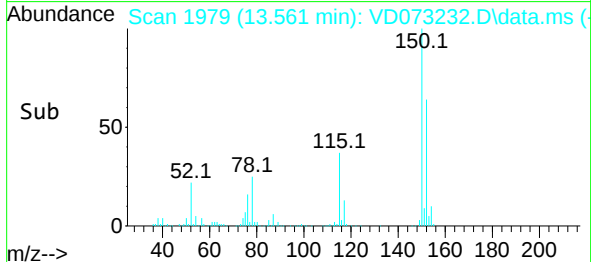
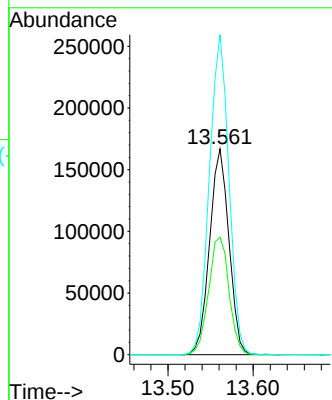
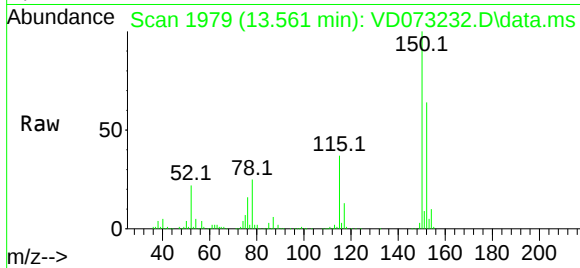




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

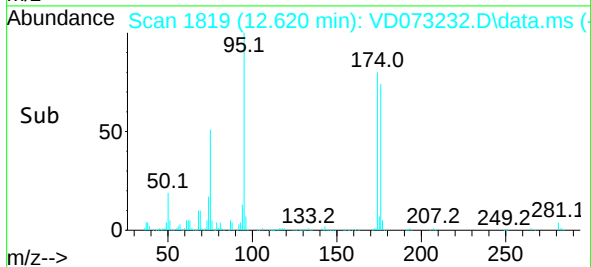
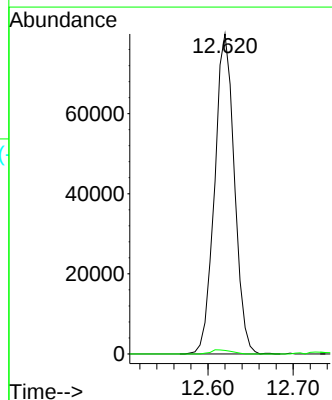
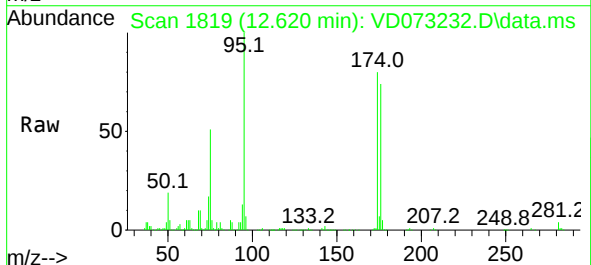
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1218-01

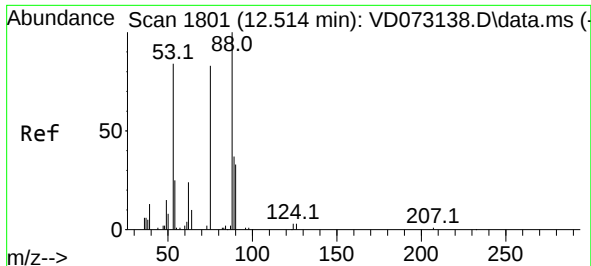
Tgt Ion:152 Resp: 263716
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 156.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 49.740 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073232.D
Acq: 21 May 2022 16:25

Tgt Ion: 75 Resp: 128702
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

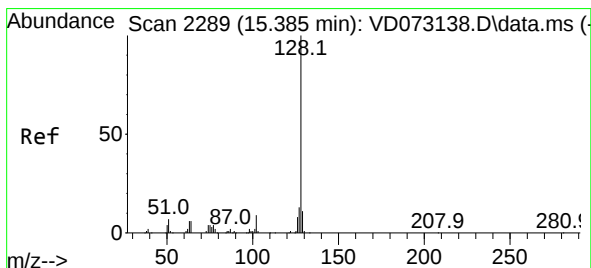
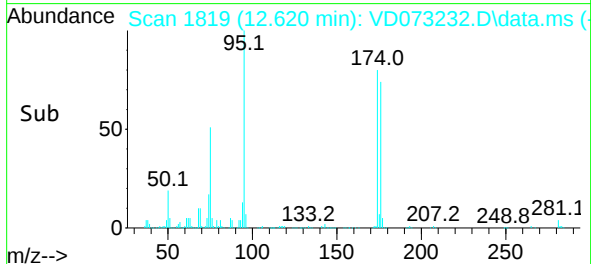
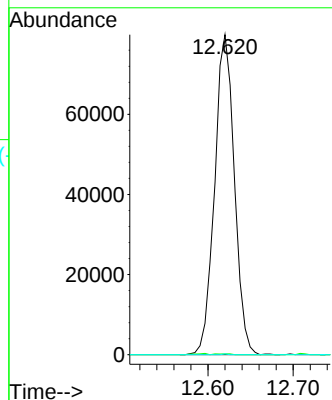
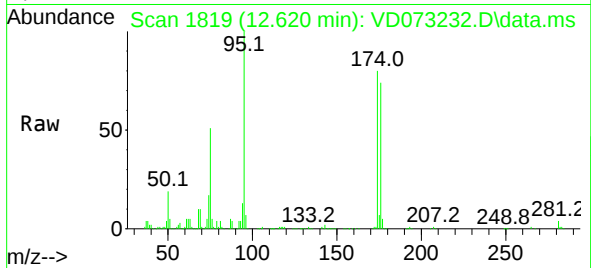




#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.410 ug/l
 RT: 12.620 min Scan# 1801
 Delta R.T. 0.106 min
 Lab File: VD073232.D
 Acq: 21 May 2022 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-1218-01

Tgt Ion: 75 Resp: 128702
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.1 33.9 50.9#



#95
 Naphthalene
 Concen: 3.550 ug/l
 RT: 15.396 min Scan# 2291
 Delta R.T. 0.011 min
 Lab File: VD073232.D
 Acq: 21 May 2022 16:25

Tgt Ion: 128 Resp: 76
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.4 12.6#

