

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073434.D
 Acq On : 31 May 2022 19:42
 Operator : VA/SY
 Sample : N3109-03
 Misc : 5.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 01 01:39:32 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)

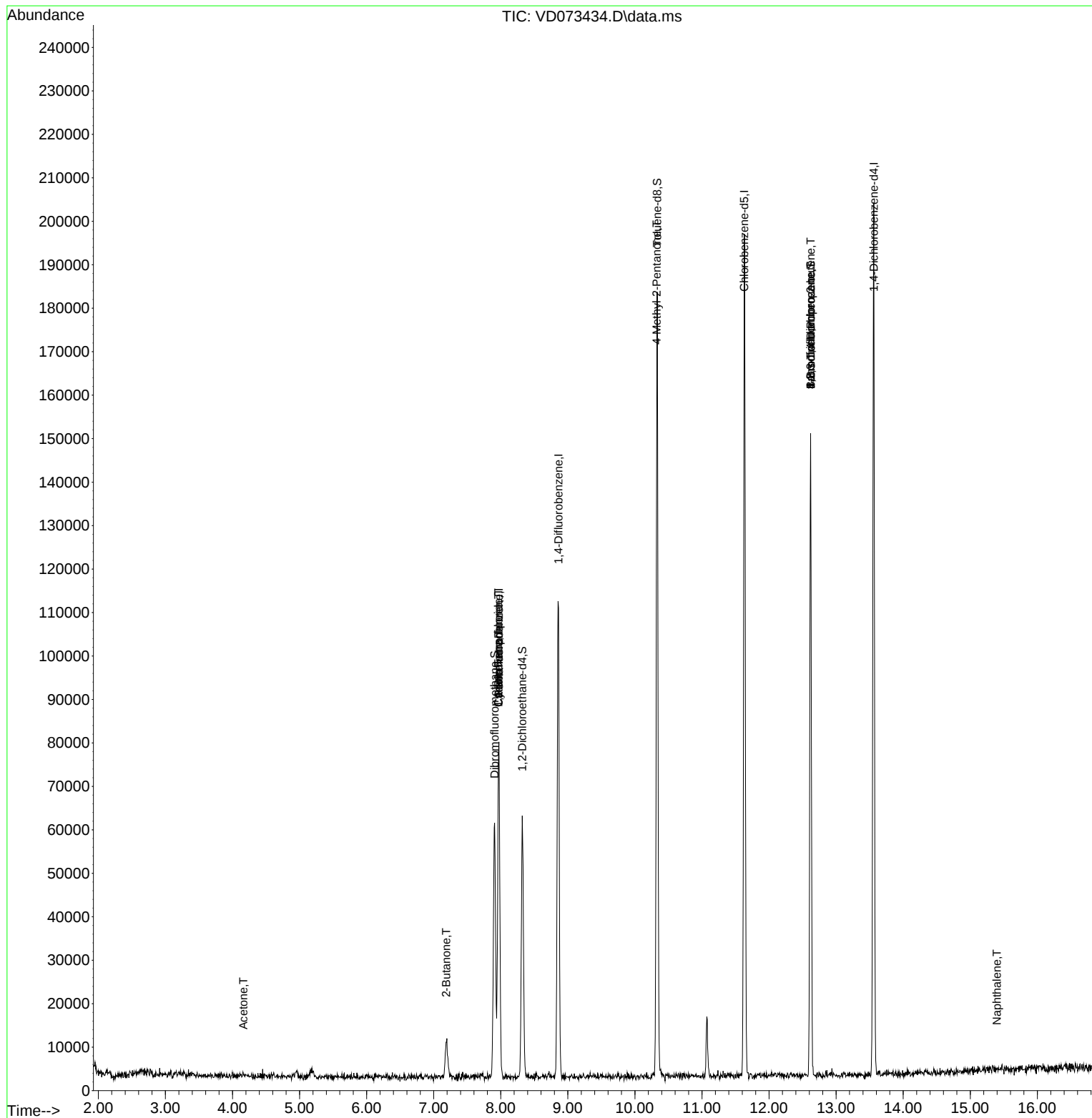
Internal Standards						
1) Pentafluorobenzene	7.973	168	57565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	94928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	113786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	54592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	46927	73.764	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.520%	
35) Dibromofluoromethane	7.908	113	42221	67.403	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.800%	
50) Toluene-d8	10.332	98	119167	51.608	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.620	95	49209	60.726	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.460%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	678	Below Cal	#	62
16) Acetone	4.162	43	471	4.274	ug/l #	47
20) Methylene Chloride	4.962	84	865	Below Cal	#	35
25) 2-Butanone	7.185	43	445	2.760	ug/l #	52
31) Cyclohexane	7.967	56	1327	1.194	ug/l #	42
36) 1,1-Dichloropropene	7.967	75	4715	5.005	ug/l #	47
38) Carbon Tetrachloride	7.967	117	5408	5.663	ug/l #	20
51) 4-Methyl-2-Pentanone	10.326	43	587	1.643	ug/l #	1
71) Bromoform	12.620	173	545	1.223	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	24355	45.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	24355	109.157	ug/l #	7
95) Naphthalene	15.396	128	61	3.573	ug/l #	70

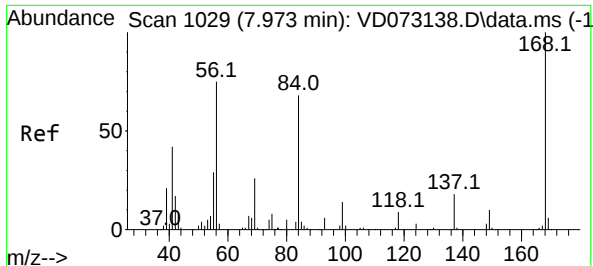
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

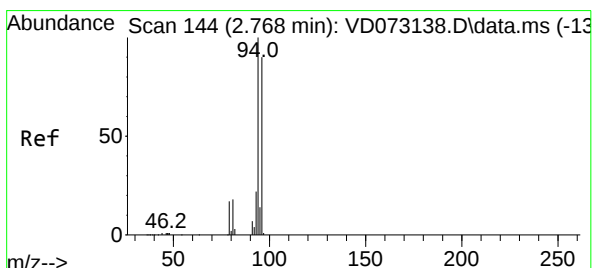
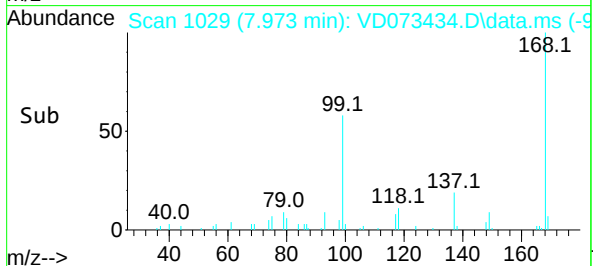
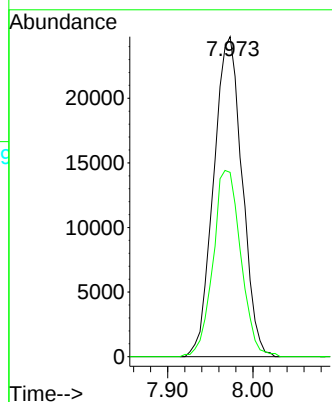
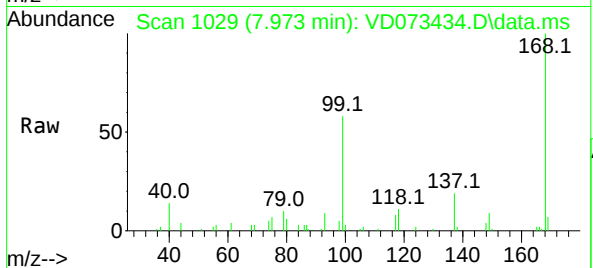




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

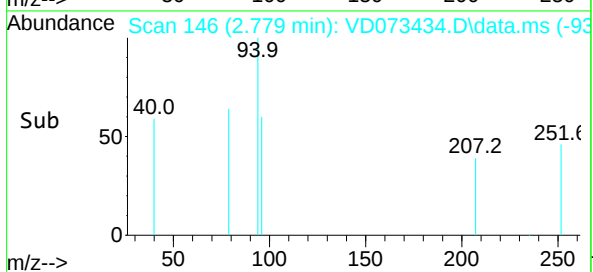
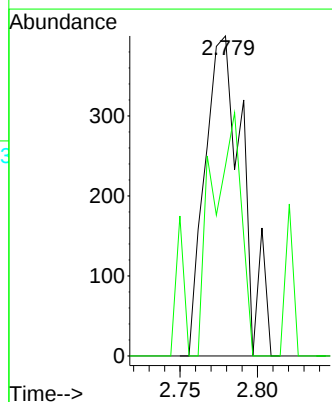
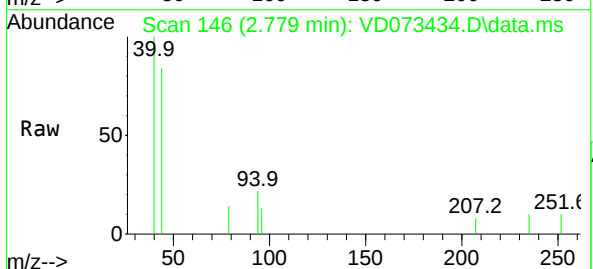
Instrument :
MSVOA_D
ClientSampleId :

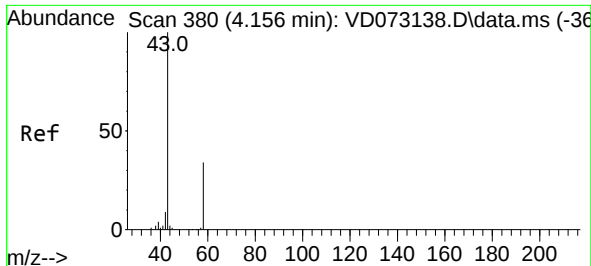
Tgt Ion:168 Resp: 57565
Ion Ratio Lower Upper
168 100
99 57.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Tgt Ion: 94 Resp: 678
Ion Ratio Lower Upper
94 100
96 59.5 77.6 116.4#

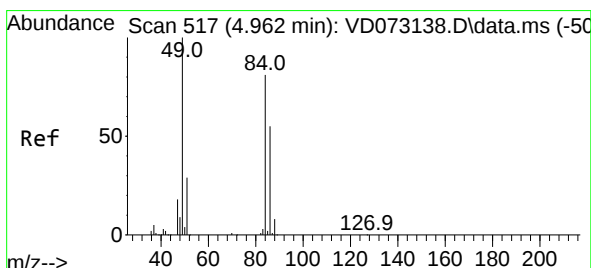
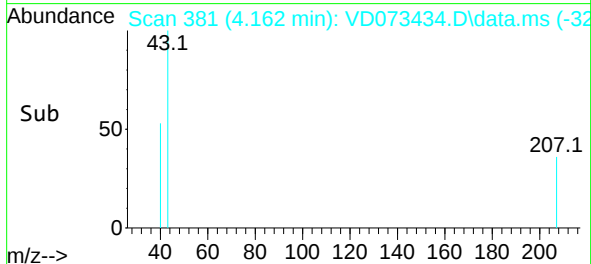
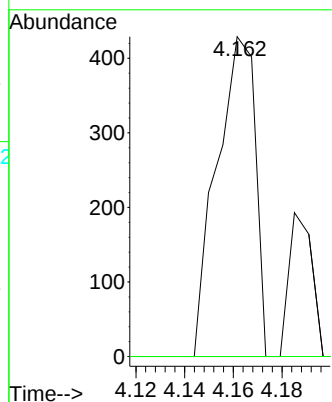
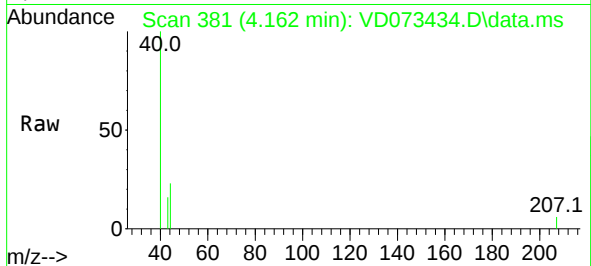




#16
Acetone
Concen: 4.274 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

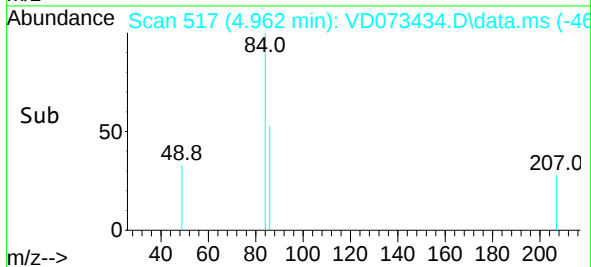
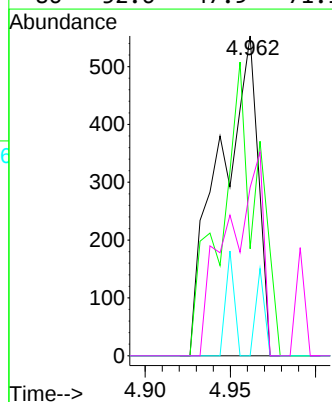
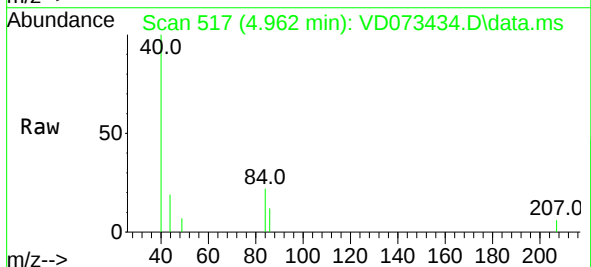
Instrument :
MSVOA_D
ClientSampleId :

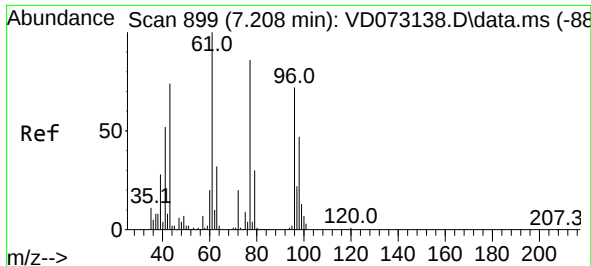
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

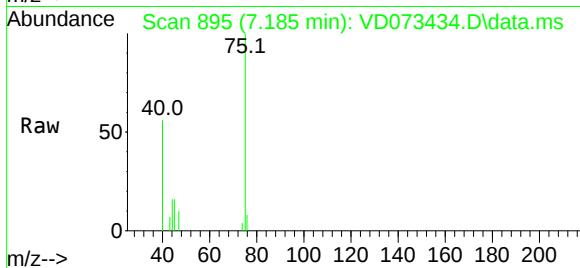
Tgt Ion: 84 Resp: 865
Ion Ratio Lower Upper
84 100
49 33.5 112.8 169.2#
51 0.0 32.6 48.8#
86 52.6 47.9 71.9



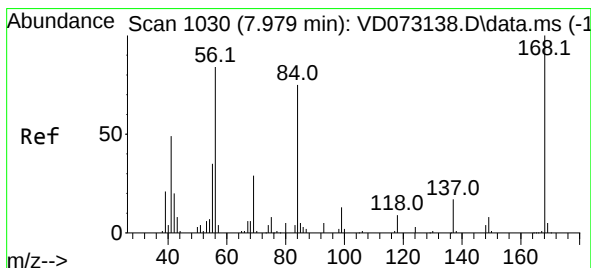
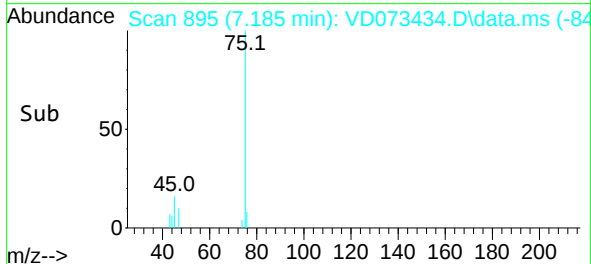
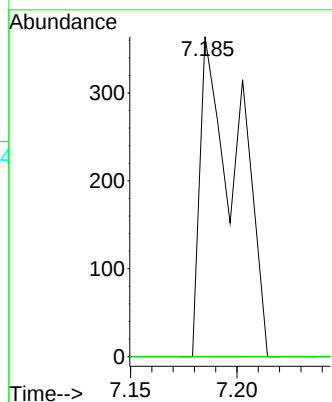


#25
2-Butanone
Concen: 2.760 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.023 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Instrument :
MSVOA_D
ClientSampleId :

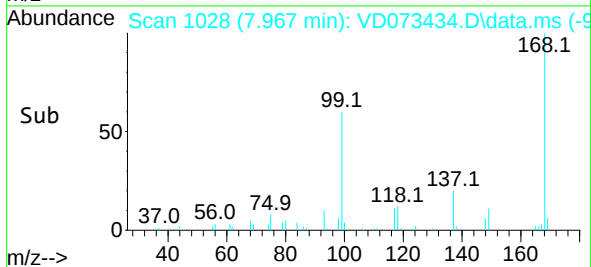
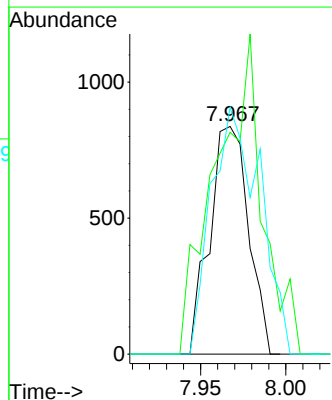
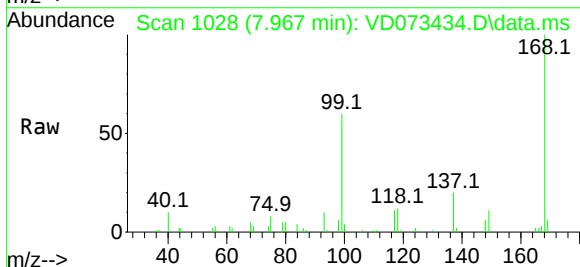


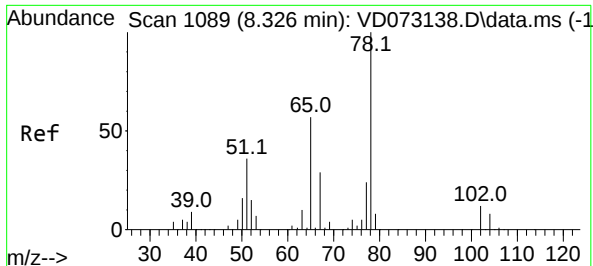
Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Tgt Ion: 56 Resp: 1327
Ion Ratio Lower Upper
56 100
69 97.4 25.4 38.2#
84 108.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 73.764 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073434.D

Acq: 31 May 2022 19:42

Instrument :

MSVOA_D

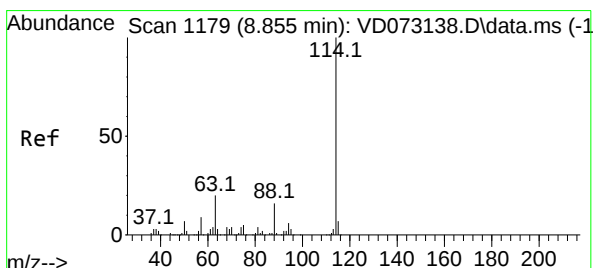
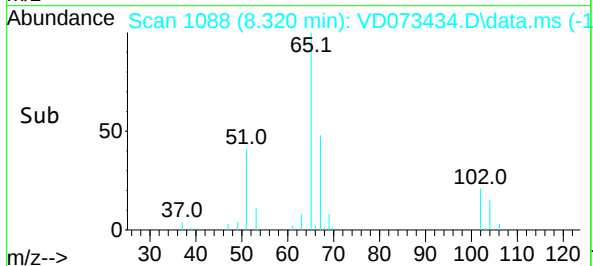
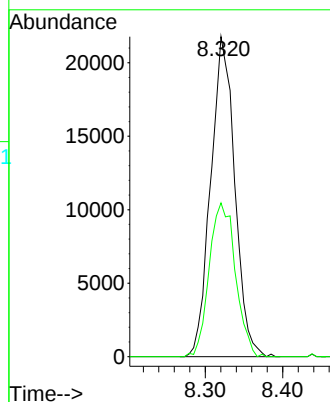
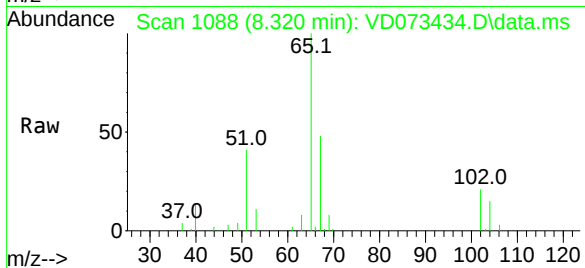
ClientSampleId :

Tgt Ion: 65 Resp: 46927

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073434.D

Acq: 31 May 2022 19:42

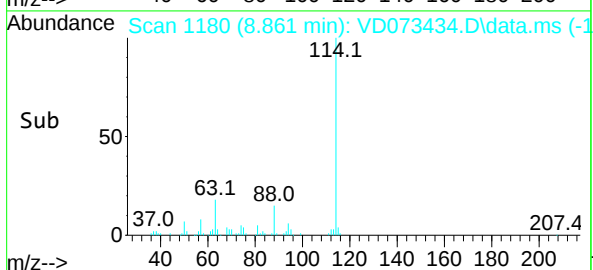
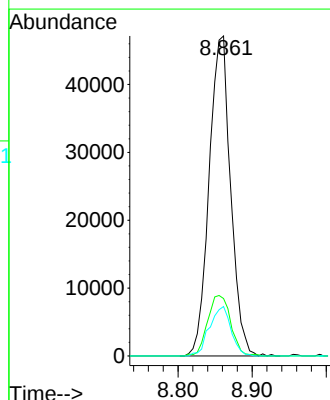
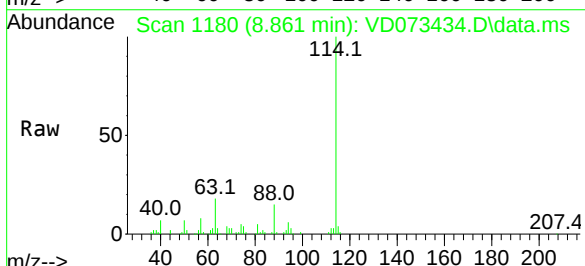
Tgt Ion: 114 Resp: 94928

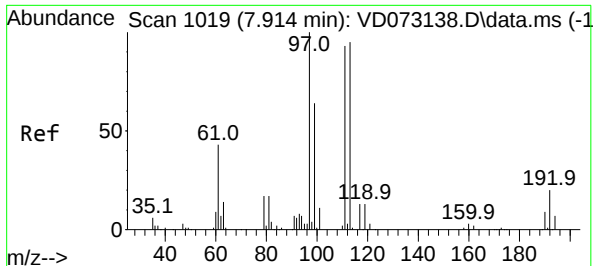
Ion Ratio Lower Upper

114 100

63 17.9 0.0 46.6

88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 67.403 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

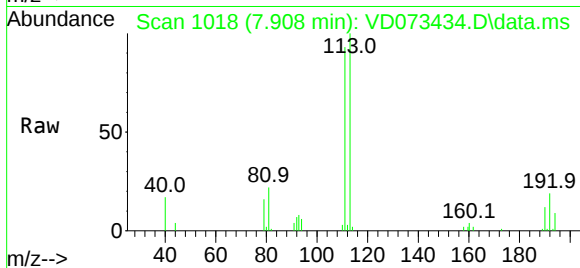
Lab File: VD073434.D

Acq: 31 May 2022 19:42

Instrument :

MSVOA_D

ClientSampleId :



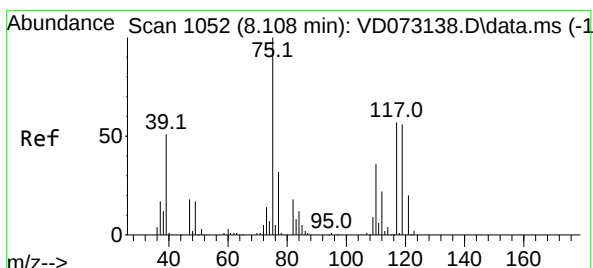
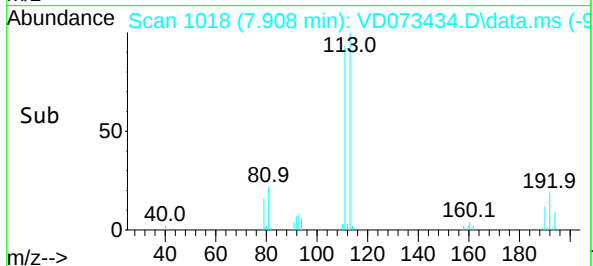
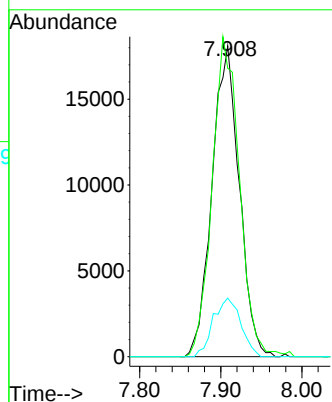
Tgt Ion:113 Resp: 42221

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 19.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073434.D

Acq: 31 May 2022 19:42

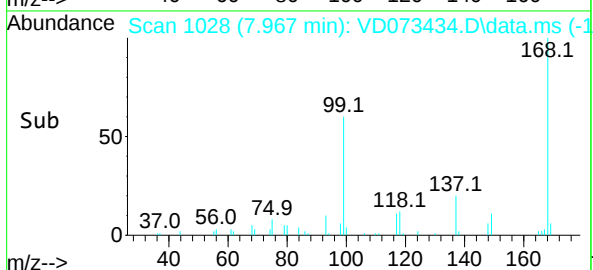
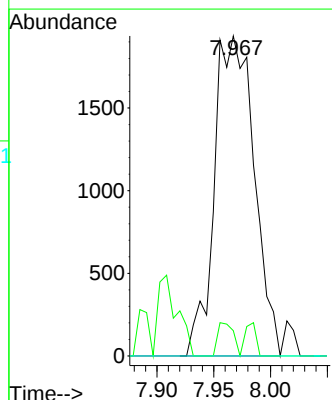
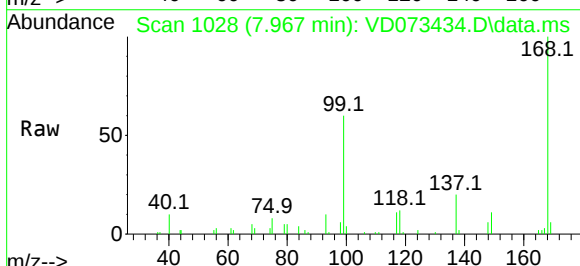
Tgt Ion: 75 Resp: 4715

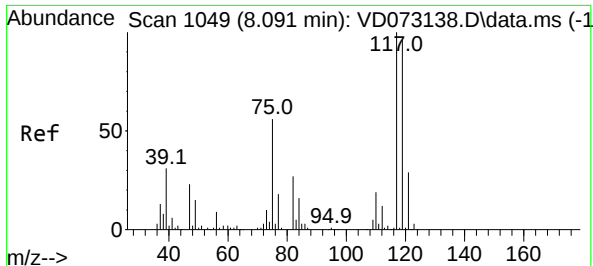
Ion Ratio Lower Upper

75 100

110 4.1 16.4 49.1#

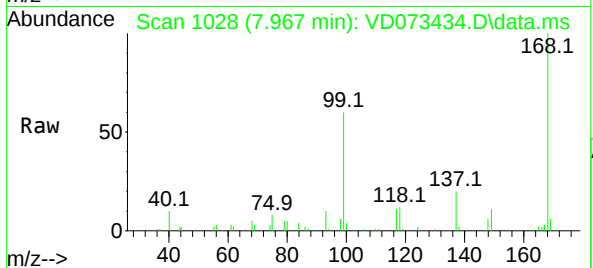
77 0.0 24.2 36.2#



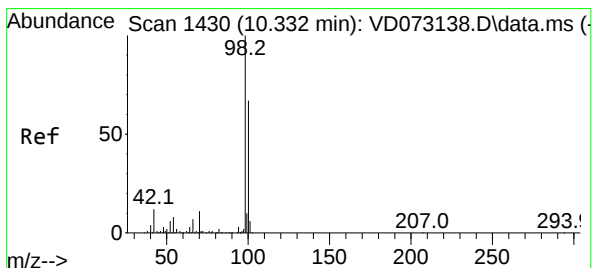
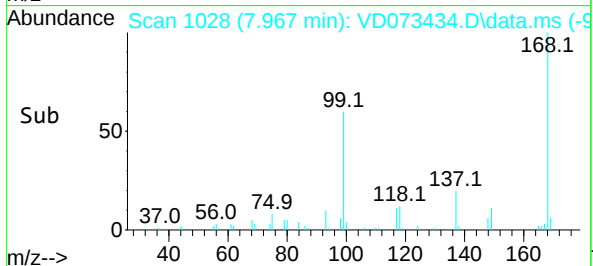
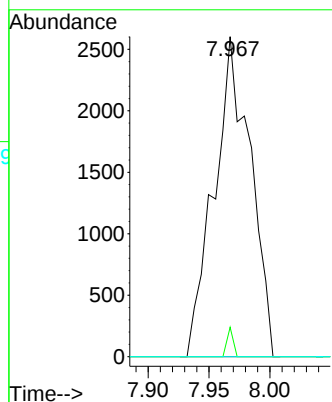


#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Instrument :
MSVOA_D
ClientSampleId :

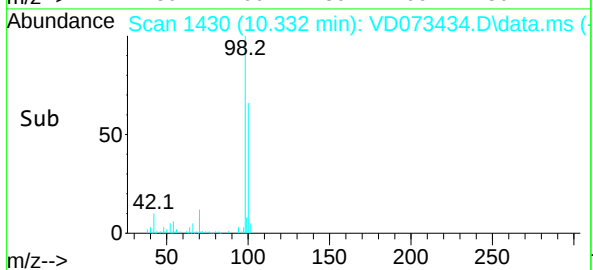
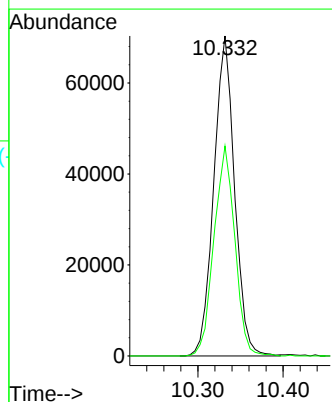
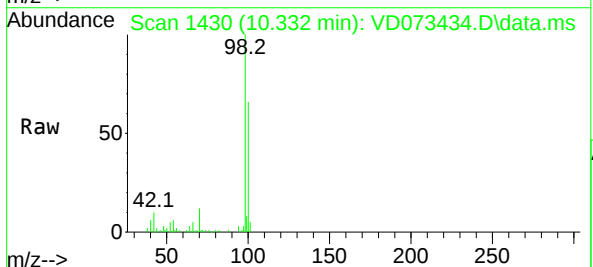


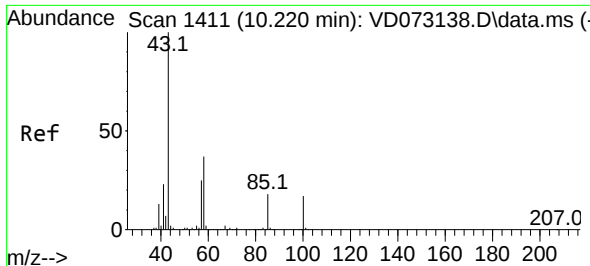
Tgt Ion:117 Resp: 5408
Ion Ratio Lower Upper
117 100
119 9.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.608 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Tgt Ion: 98 Resp: 119167
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

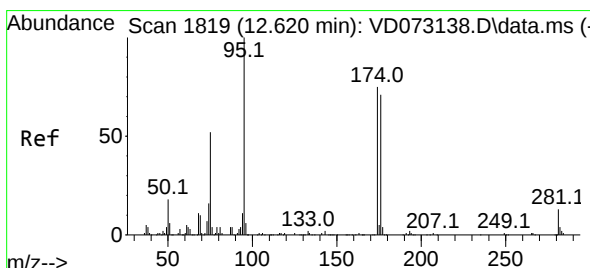
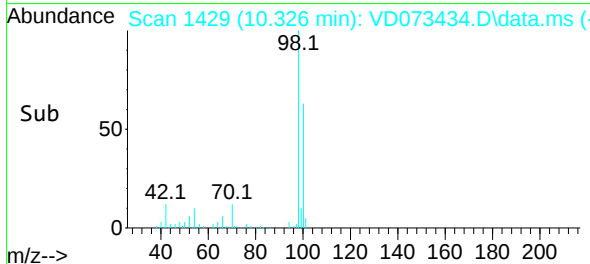
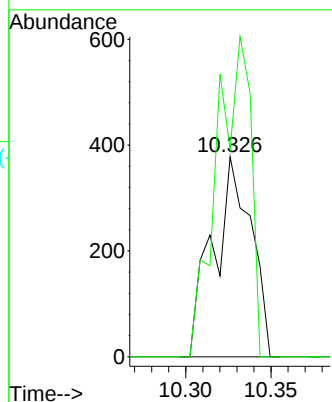
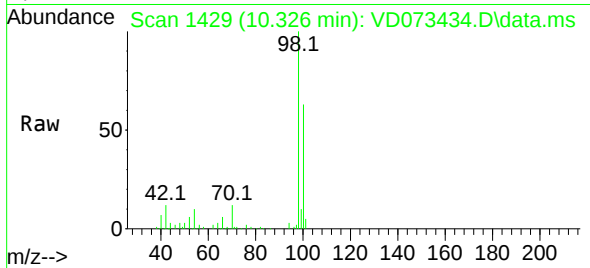




#51
4-Methyl-2-Pentanone
Concen: 1.643 ug/l
RT: 10.326 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

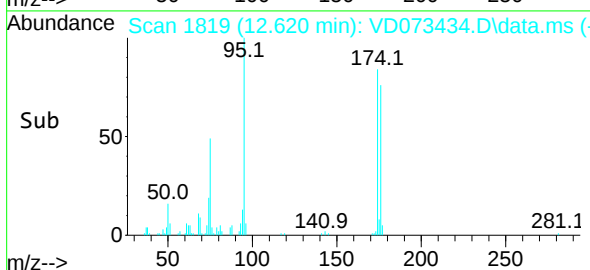
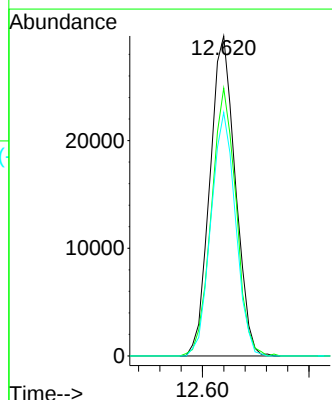
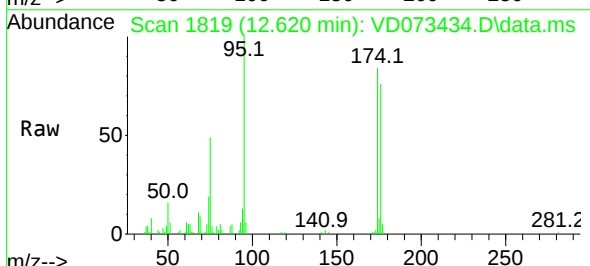
Instrument :
MSVOA_D
ClientSampleId :

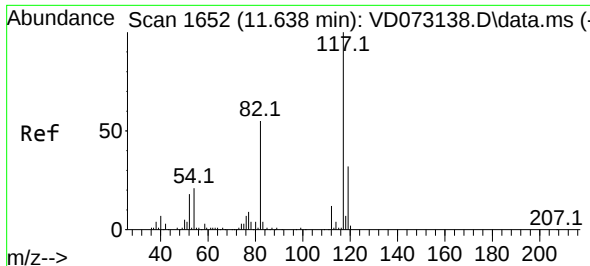
Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
58 143.3 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 60.726 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

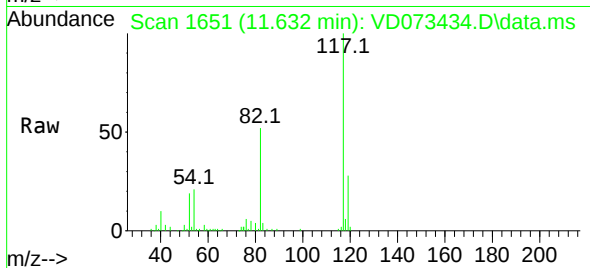
Tgt Ion: 95 Resp: 49209
Ion Ratio Lower Upper
95 100
174 81.1 0.0 152.8
176 73.5 0.0 145.4



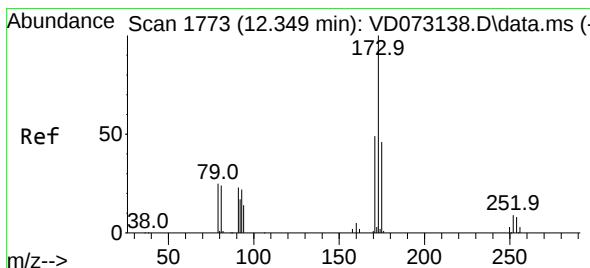
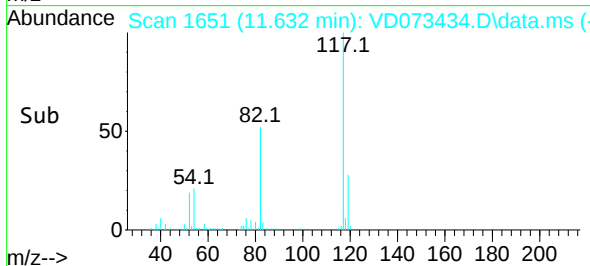
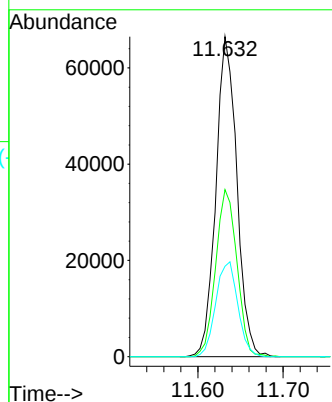


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Instrument :
MSVOA_D
ClientSampleId :

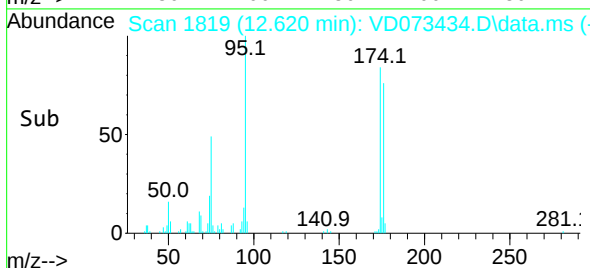
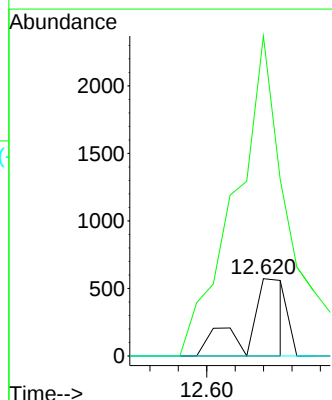
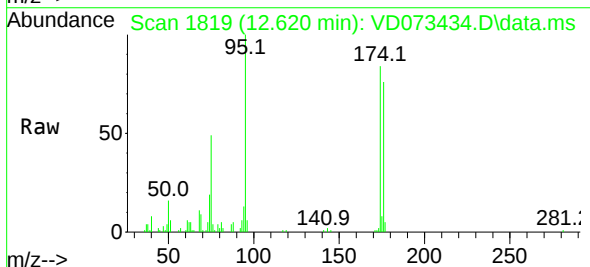


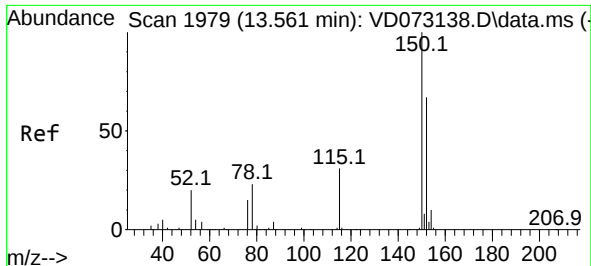
Tgt Ion:117 Resp: 113786
Ion Ratio Lower Upper
117 100
82 52.2 45.3 67.9
119 28.3 26.6 40.0



#71
Bromoform
Concen: 1.223 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

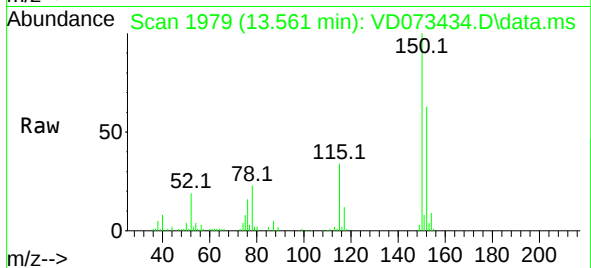
Tgt Ion:173 Resp: 545
Ion Ratio Lower Upper
173 100
175 459.1 23.9 71.8#
254 0.0 0.0 0.0



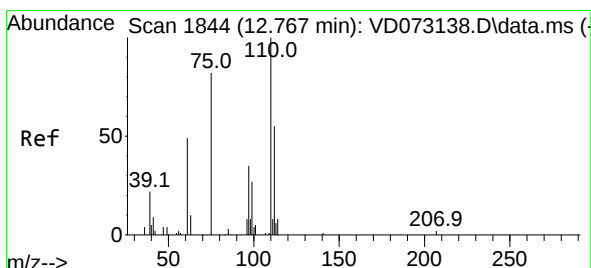
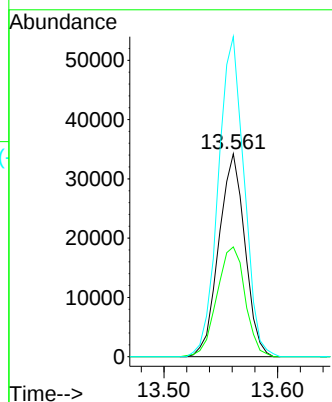
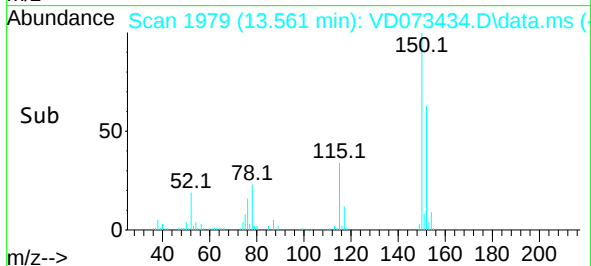


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073434.D
 Acq: 31 May 2022 19:42

Instrument :
 MSVOA_D
 ClientSampleId :

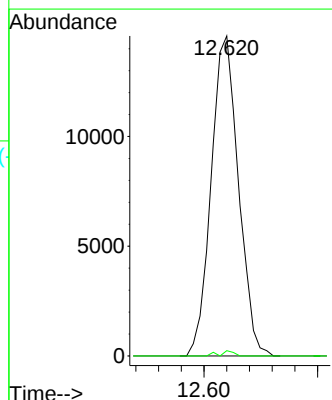
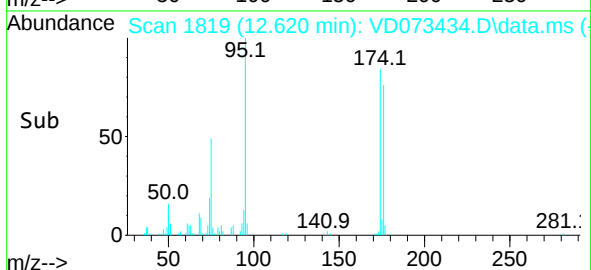
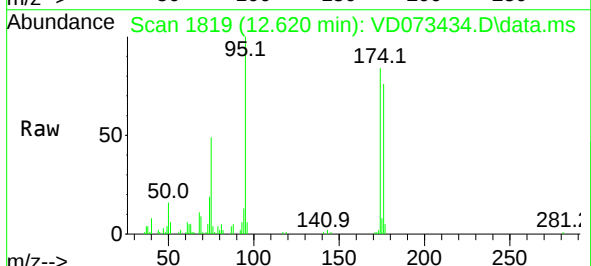


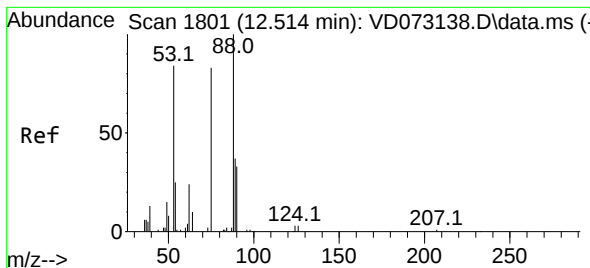
Tgt Ion:152 Resp: 54592
 Ion Ratio Lower Upper
 152 100
 115 58.5 31.3 93.8
 150 156.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.469 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073434.D
 Acq: 31 May 2022 19:42

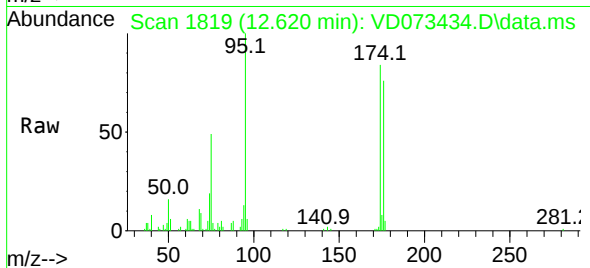
Tgt Ion: 75 Resp: 24355
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



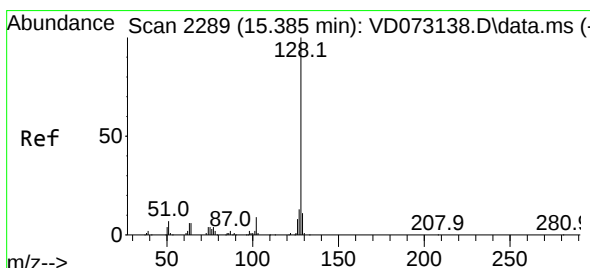
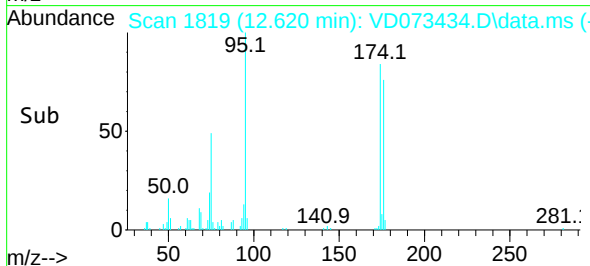
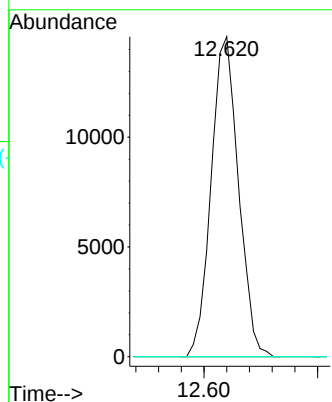


#81
trans-1,4-Dichloro-2-butene
Concen: 109.157 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 24355
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.573 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD073434.D
Acq: 31 May 2022 19:42

Tgt Ion: 128 Resp: 61
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

