

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073047.D
 Acq On : 16 May 2022 21:02
 Operator : VA/SY
 Sample : N2792-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-371

Quant Time: May 17 03:31:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

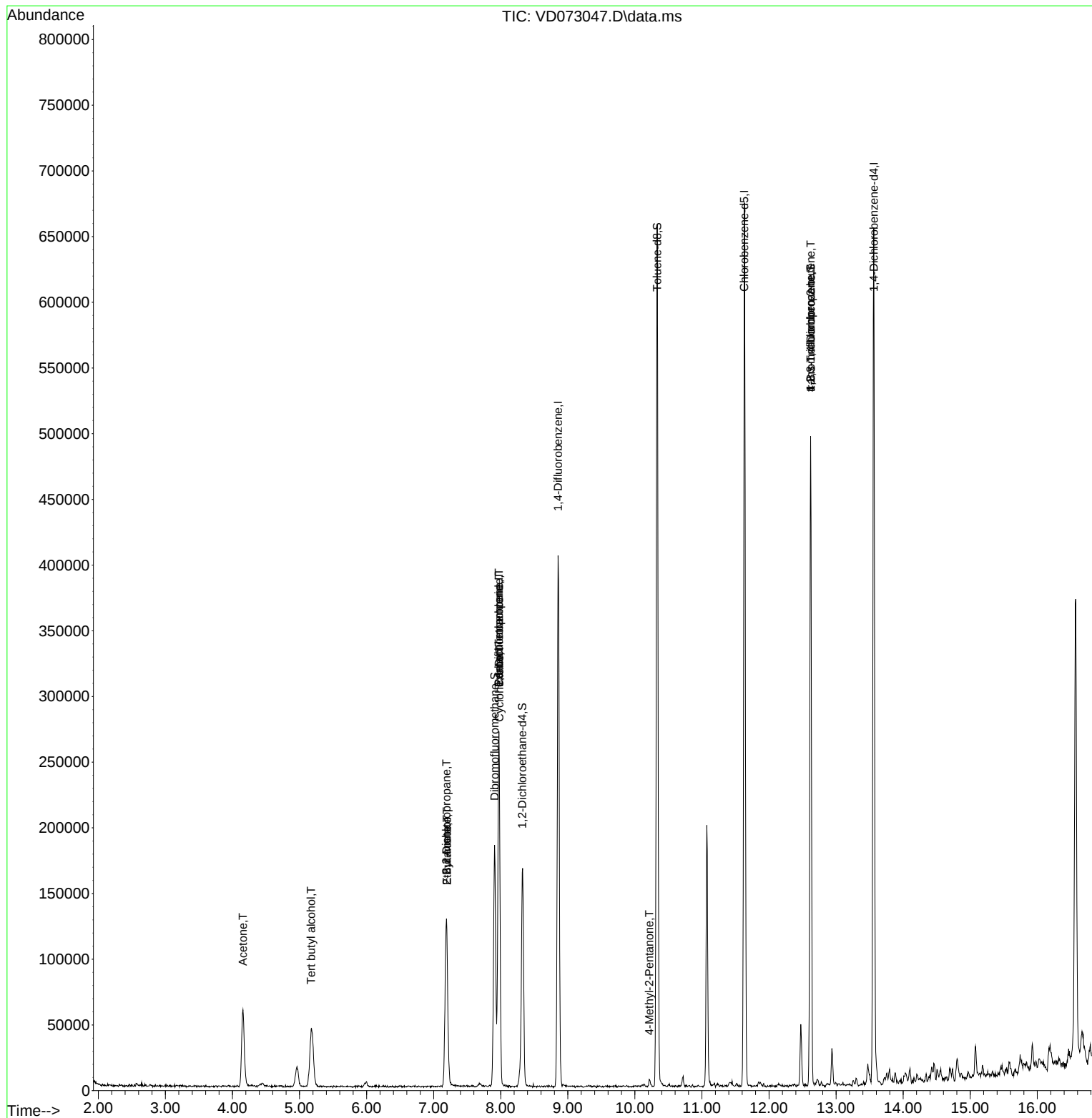
Internal Standards						
1) Pentafluorobenzene	7.973	168	191749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	342651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	373408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	170528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	129263	51.933	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.860%			
35) Dibromofluoromethane	7.909	113	129216	53.695	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.400%			
50) Toluene-d8	10.332	98	431637	50.003	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.000%			
62) 4-Bromofluorobenzene	12.620	95	163718	50.864	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.720%			
Target Compounds						
5) Bromomethane	2.779	94	612	Below Cal		86
11) Tert butyl alcohol	5.173	59	41873	194.437 ug/l #		76
16) Acetone	4.156	43	105116	224.190 ug/l		93
18) Methyl Acetate	4.703	43	331	Below Cal #		55
20) Methylene Chloride	4.956	84	11991	Below Cal		88
25) 2-Butanone	7.197	43	6798	9.374 ug/l #		74
26) 2,2-Dichloropropane	7.191	77	8858	2.124 ug/l #		54
31) Cyclohexane	7.979	56	4497	1.034 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	17270	4.413 ug/l #		52
37) Ethyl Acetate	7.197	43	6798	3.779 ug/l #		1
38) Carbon Tetrachloride	7.973	117	20642	5.082 ug/l #		20
51) 4-Methyl-2-Pentanone	10.214	43	3877	2.247 ug/l		88
76) 1,2,3-Trichloropropane	12.620	75	86356	45.415 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	86356	104.435 ug/l #		7

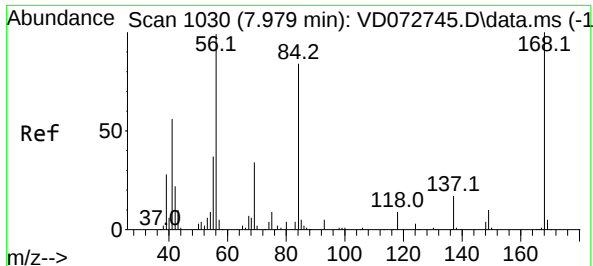
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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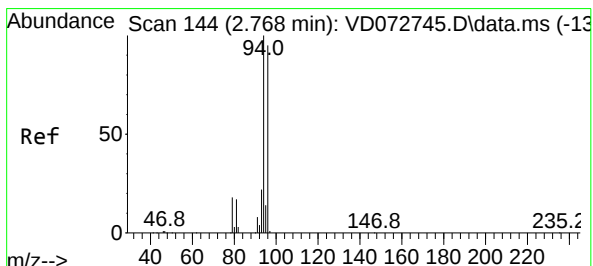
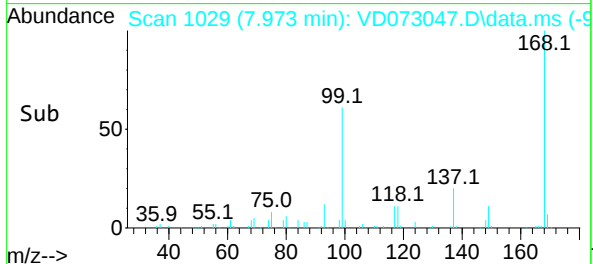
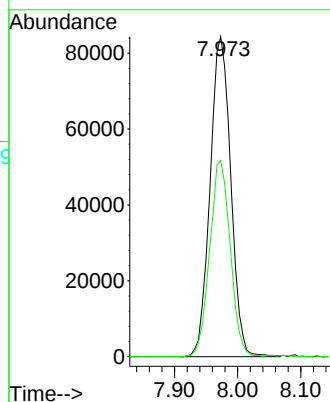
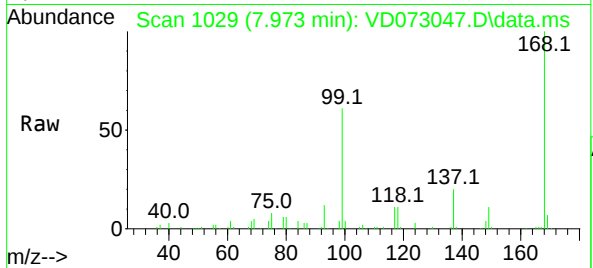




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

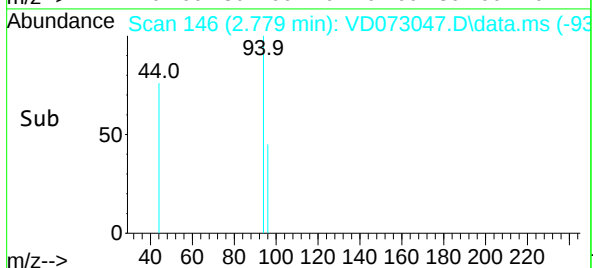
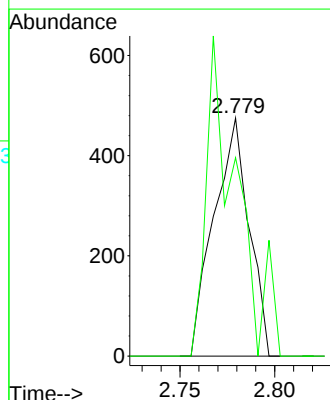
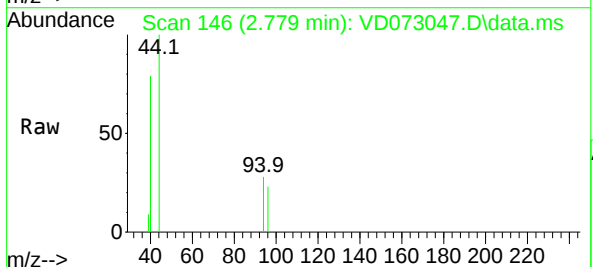
Instrument :
MSVOA_D
ClientSampleId :
RO-371

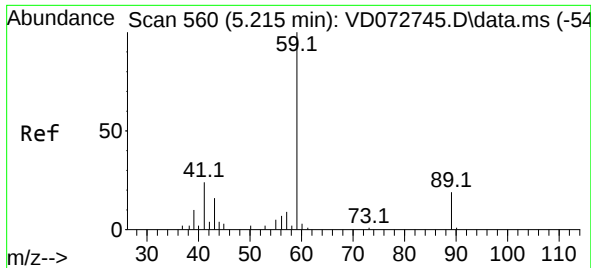
Tgt Ion:168 Resp: 191749
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 83.4 77.6 116.4

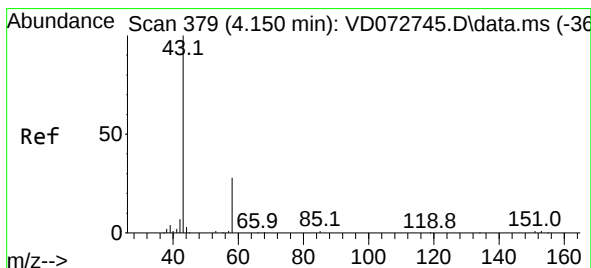
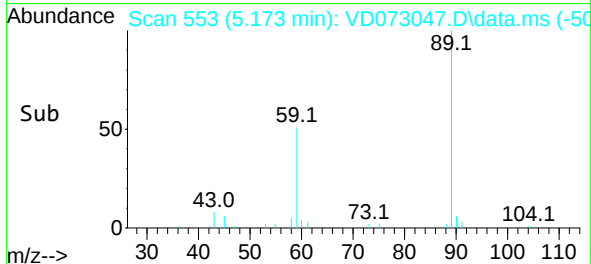
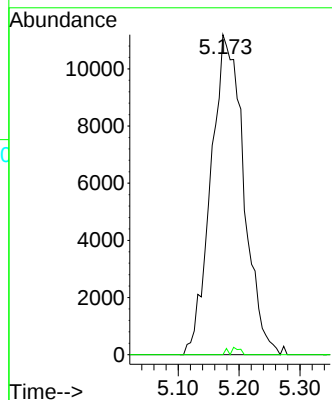
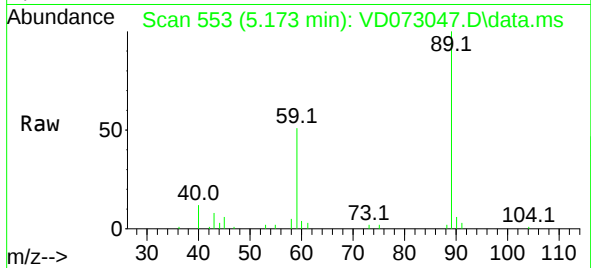




#11
Tert butyl alcohol
Concen: 194.437 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

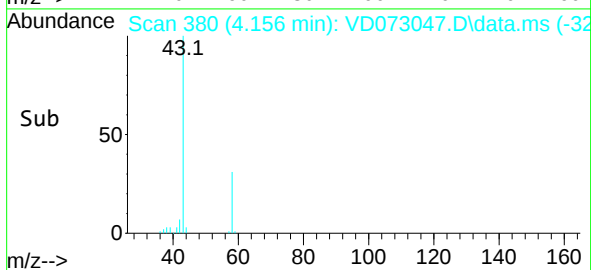
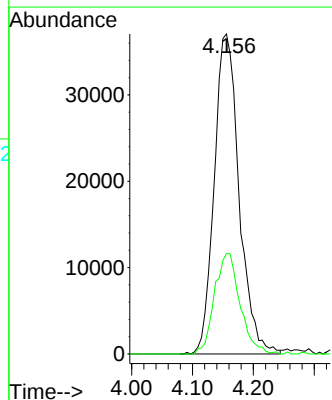
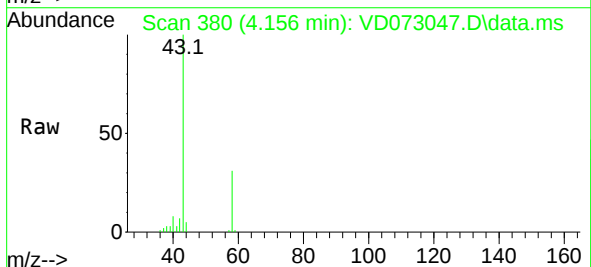
Instrument :
MSVOA_D
ClientSampleId :
RO-371

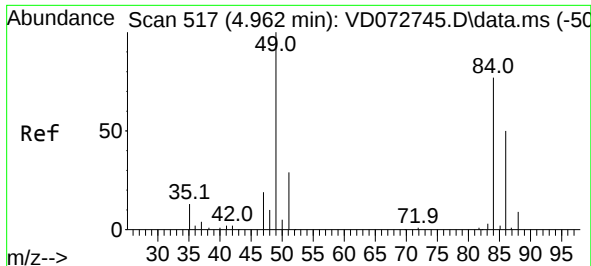
Tgt Ion: 59 Resp: 41873
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.6#



#16
Acetone
Concen: 224.190 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

Tgt Ion: 43 Resp: 105116
Ion Ratio Lower Upper
43 100
58 31.4 22.1 33.1



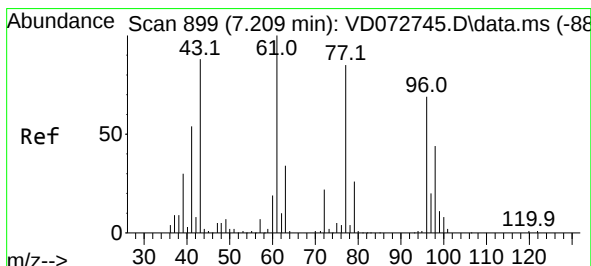
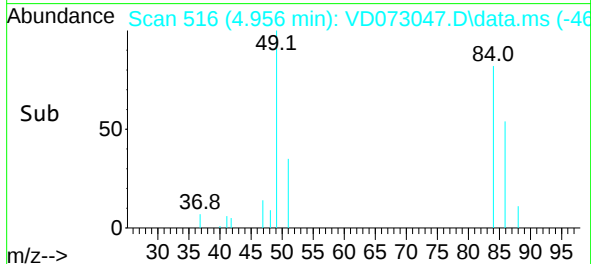
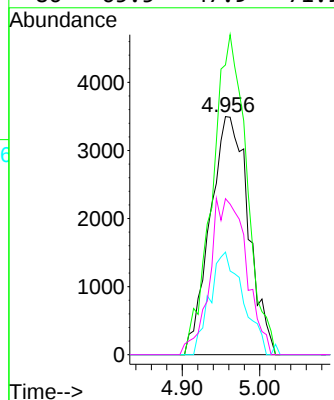
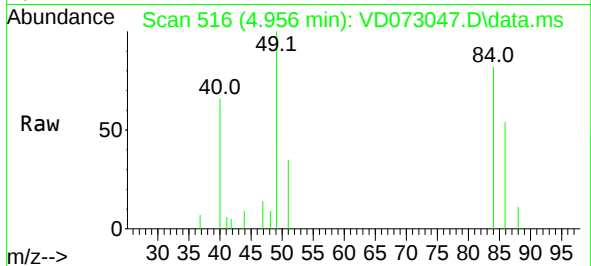


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

Instrument :
MSVOA_D
ClientSampleId :
RO-371

Tgt Ion: 84 Resp: 11991

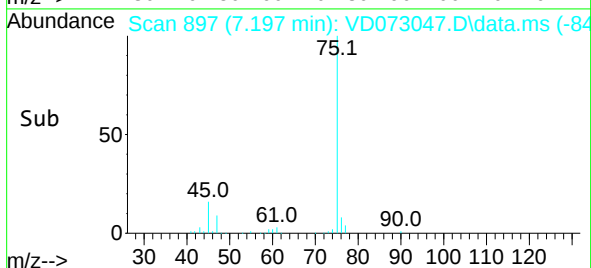
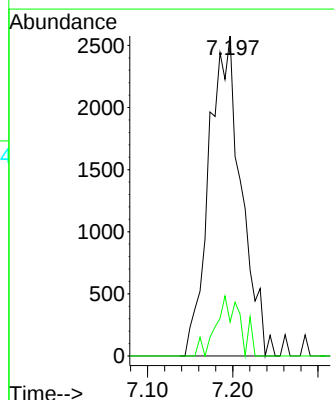
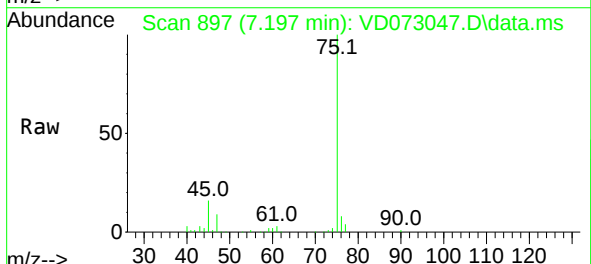
Ion	Ratio	Lower	Upper
84	100		
49	121.8	112.8	169.2
51	43.1	32.6	48.8
86	65.5	47.9	71.9

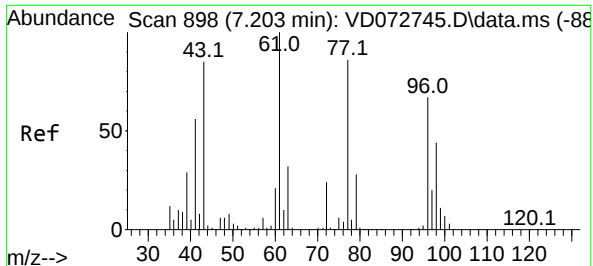


#25
2-Butanone
Concen: 9.374 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

Tgt Ion: 43 Resp: 6798

Ion	Ratio	Lower	Upper
43	100		
72	10.6	18.6	27.8





#26

2,2-Dichloropropane

Concen: 2.124 ug/l

RT: 7.191 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

Instrument :

MSVOA_D

ClientSampleId :

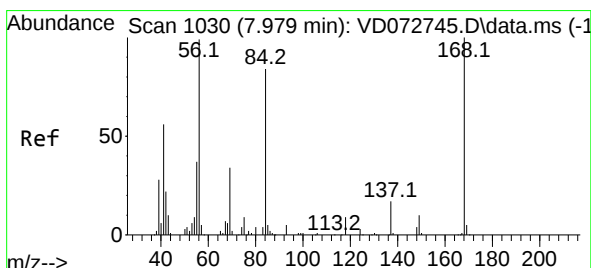
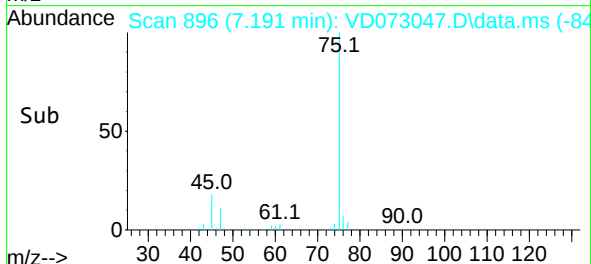
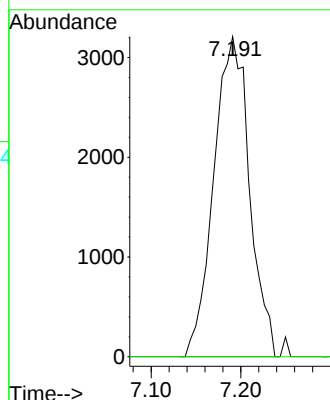
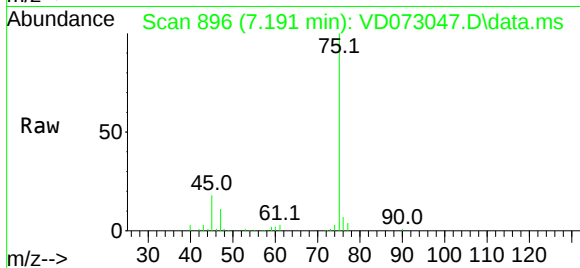
RO-371

Tgt Ion: 77 Resp: 8858

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.034 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

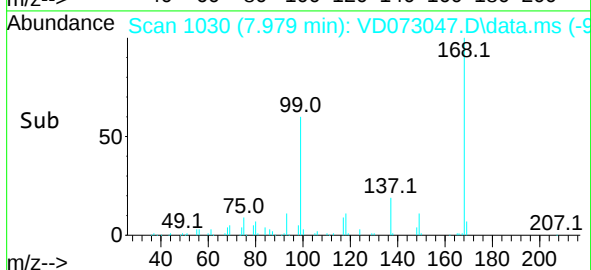
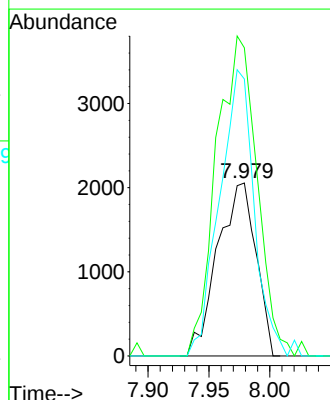
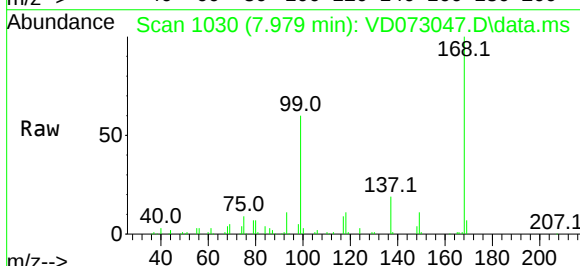
Tgt Ion: 56 Resp: 4497

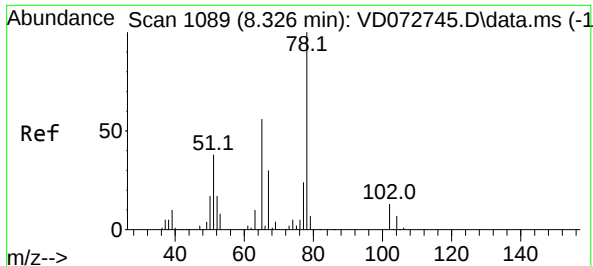
Ion Ratio Lower Upper

56 100

69 178.2 25.4 38.2#

84 160.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.933 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

Instrument :

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ClientSampleId :

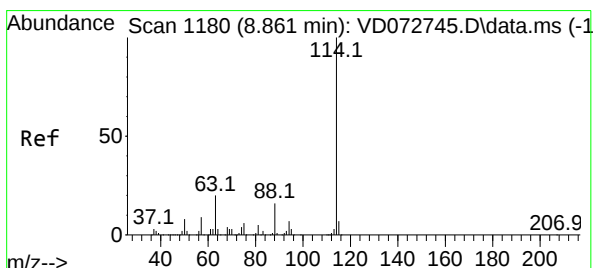
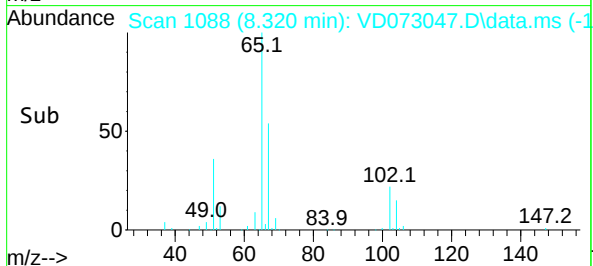
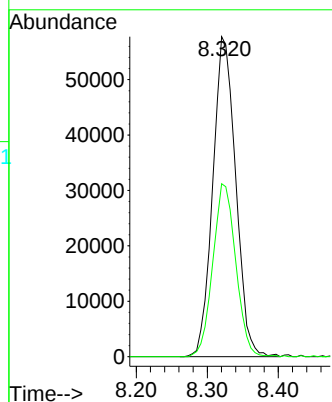
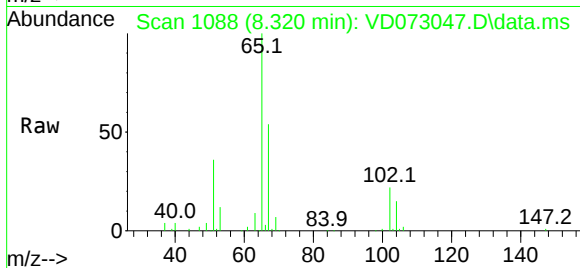
RO-371

Tgt Ion: 65 Resp: 129263

Ion Ratio Lower Upper

65 100

67 54.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

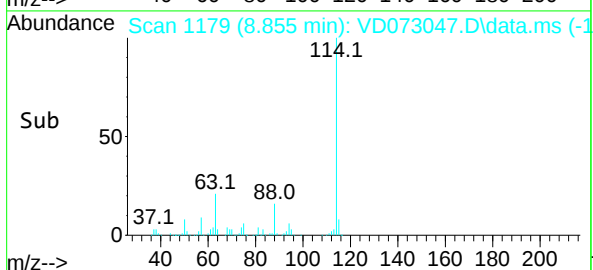
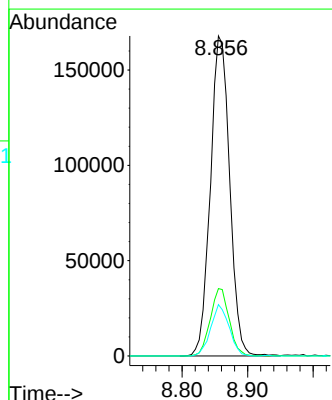
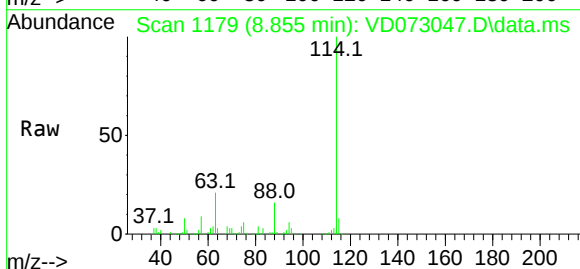
Tgt Ion: 114 Resp: 342651

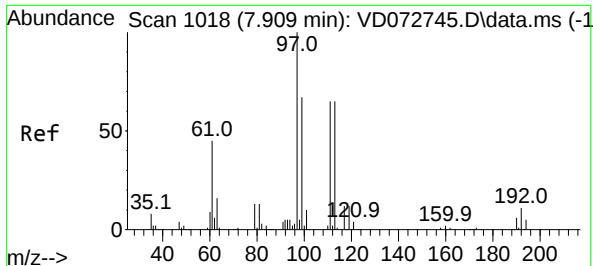
Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.695 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

Instrument :

MSVOA_D

ClientSampleId :

RO-371

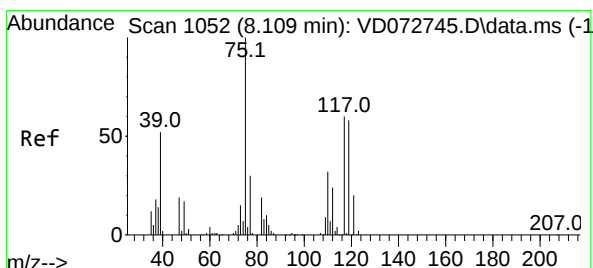
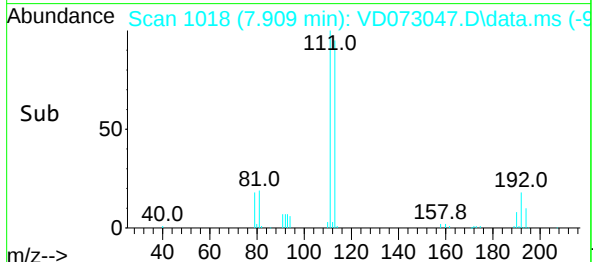
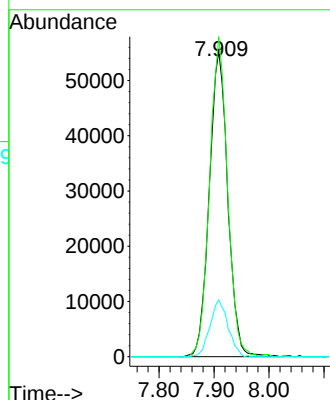
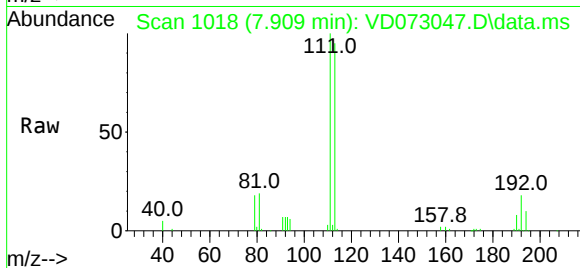
Tgt Ion:113 Resp: 129216

Ion Ratio Lower Upper

113 100

111 101.4 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.413 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

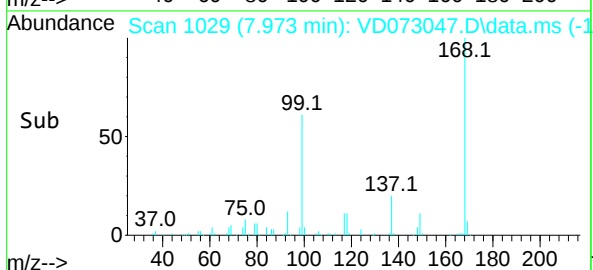
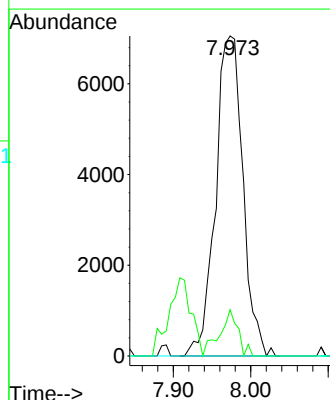
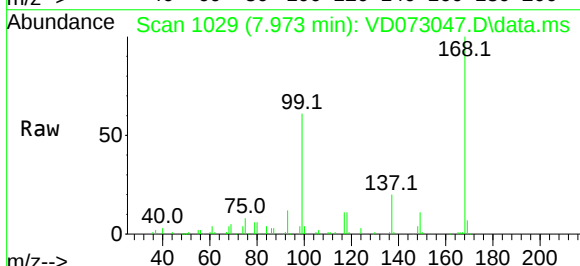
Tgt Ion: 75 Resp: 17270

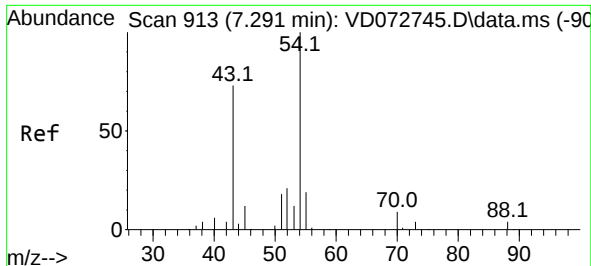
Ion Ratio Lower Upper

75 100

110 9.8 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 3.779 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

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RO-371

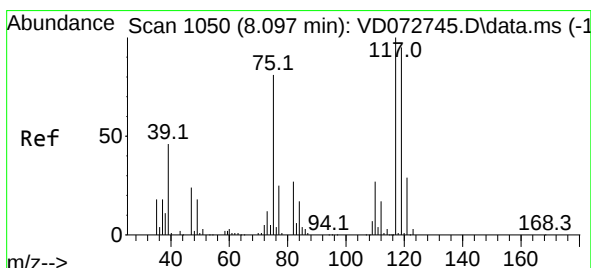
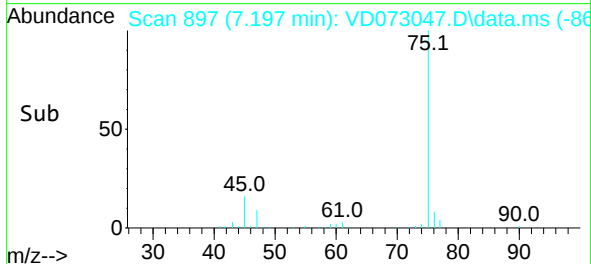
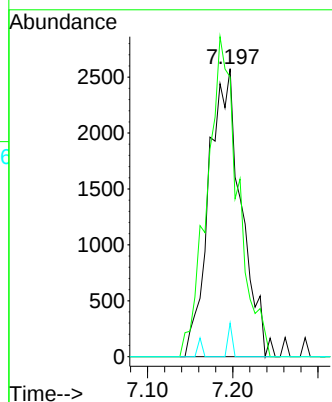
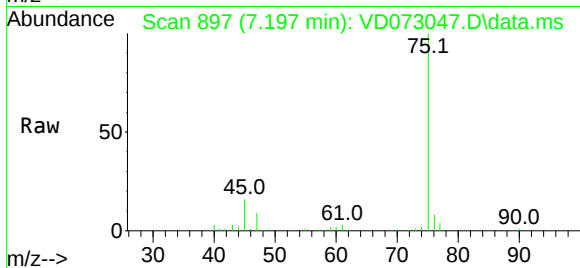
Tgt Ion: 43 Resp: 6798

Ion Ratio Lower Upper

43 100

61 106.4 9.8 14.8#

70 1.6 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.082 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD073047.D

Acq: 16 May 2022 21:02

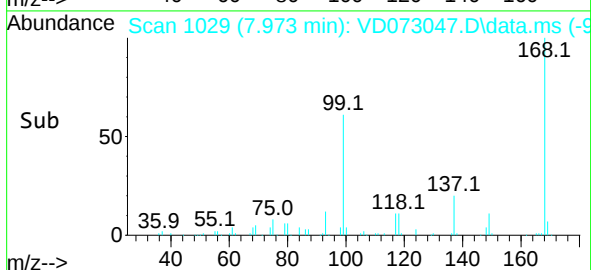
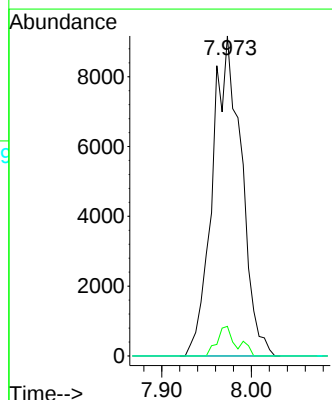
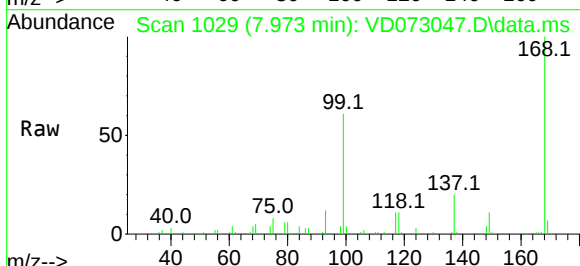
Tgt Ion: 117 Resp: 20642

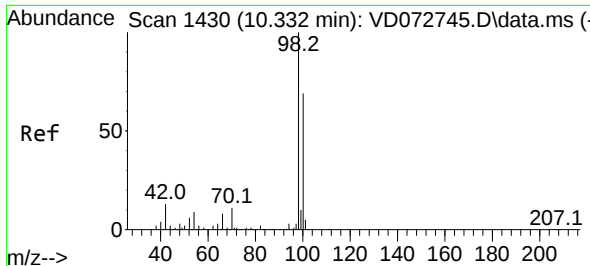
Ion Ratio Lower Upper

117 100

119 9.2 75.8 113.6#

121 0.0 24.5 36.7#

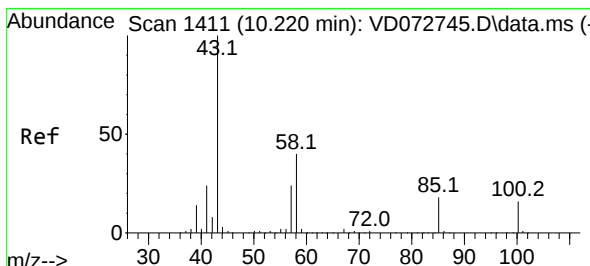
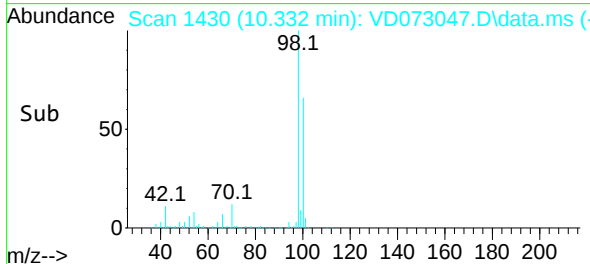
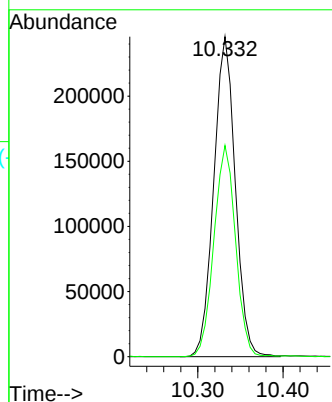
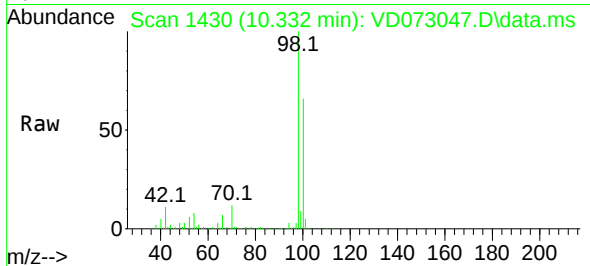




#50
Toluene-d8
Concen: 50.003 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

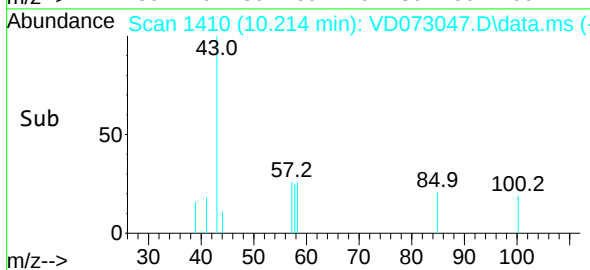
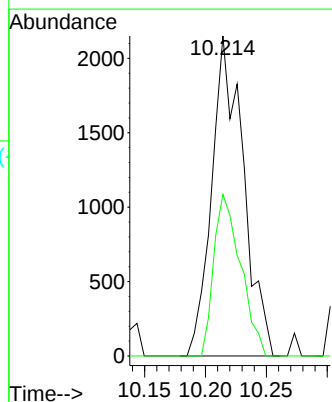
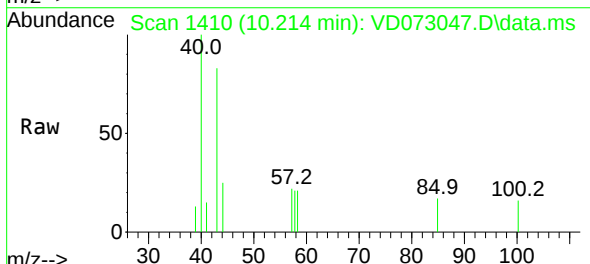
Instrument :
MSVOA_D
ClientSampleId :
RO-371

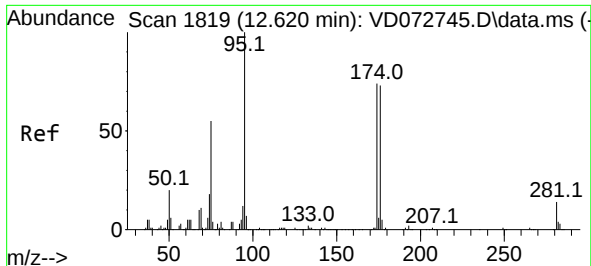
Tgt Ion: 98 Resp: 431637
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.247 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

Tgt Ion: 43 Resp: 3877
Ion Ratio Lower Upper
43 100
58 42.8 28.6 43.0

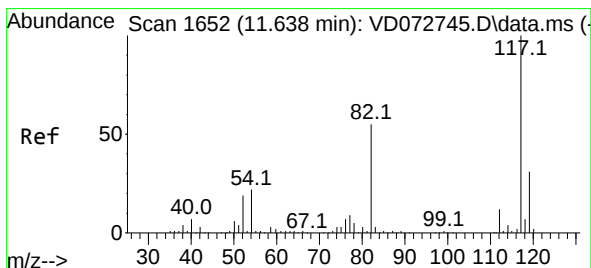
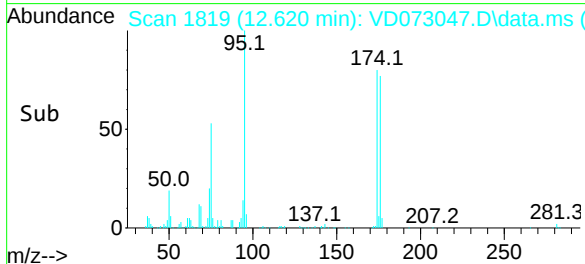
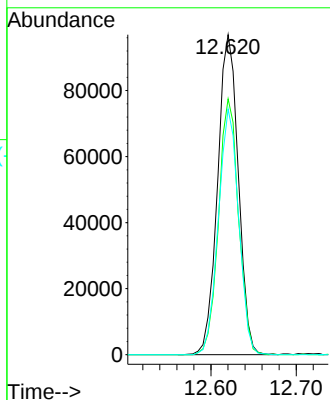
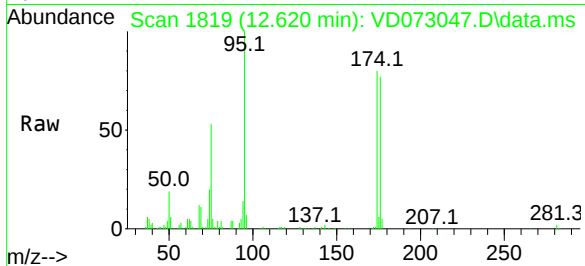




#62
4-Bromofluorobenzene
Concen: 50.864 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

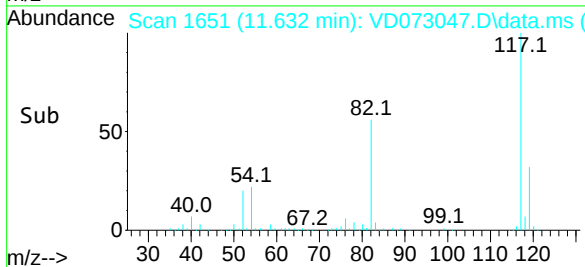
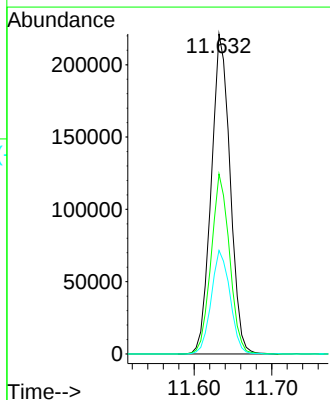
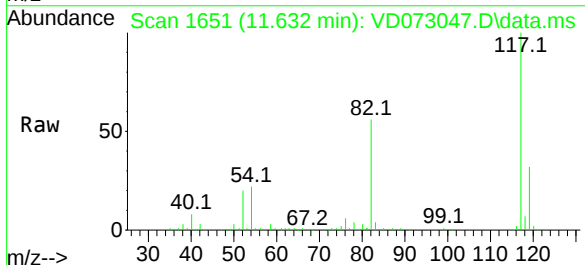
Instrument :
MSVOA_D
ClientSampleId :
RO-371

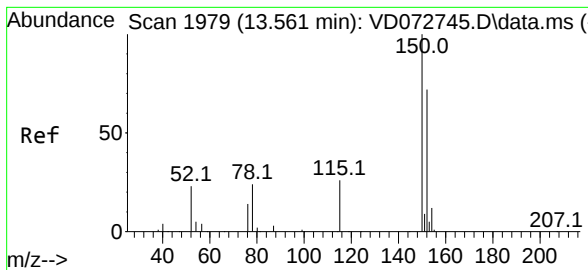
Tgt Ion: 95 Resp: 163718
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 75.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073047.D
Acq: 16 May 2022 21:02

Tgt Ion: 117 Resp: 373408
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 32.4 26.6 40.0

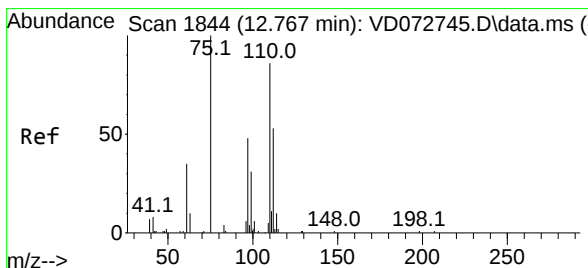
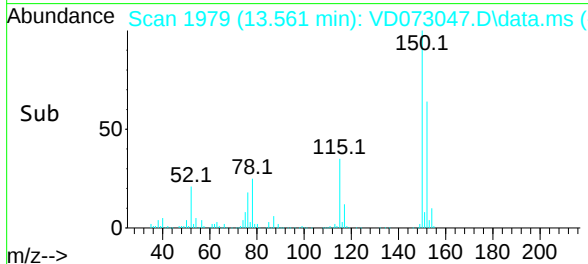
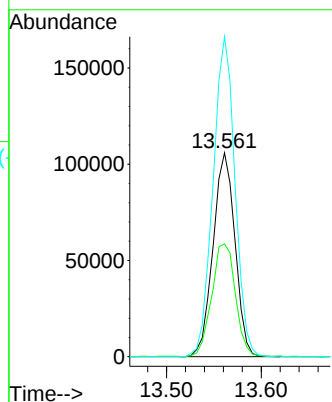
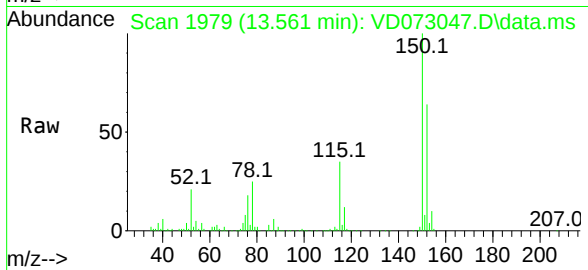




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073047.D
 Acq: 16 May 2022 21:02

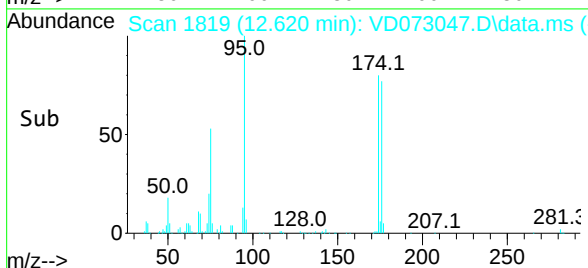
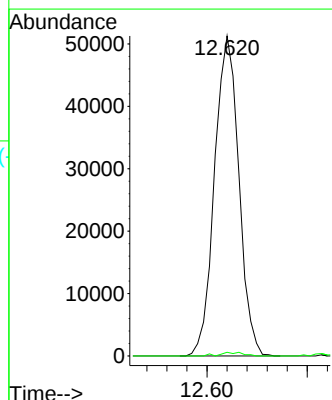
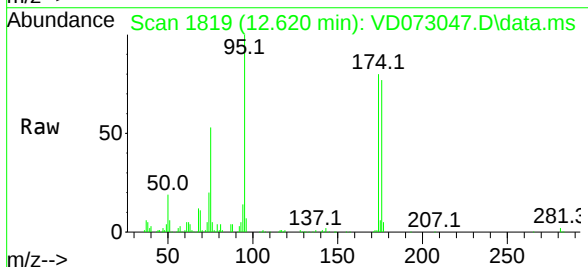
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-371

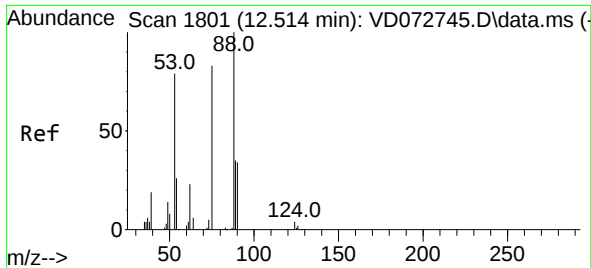
Tgt Ion:152 Resp: 170528
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.3 93.8
 150 157.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.415 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073047.D
 Acq: 16 May 2022 21:02

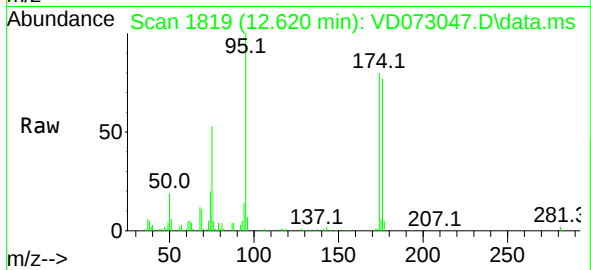
Tgt Ion: 75 Resp: 86356
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.435 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073047.D
 Acq: 16 May 2022 21:02

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-371



Tgt Ion: 75 Resp: 86356
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

