

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061322\
 Data File : VD073546.D
 Acq On : 13 Jun 2022 15:13
 Operator : VA/SY
 Sample : N3234-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RB-21499RE

Quant Time: Jun 14 01:28:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

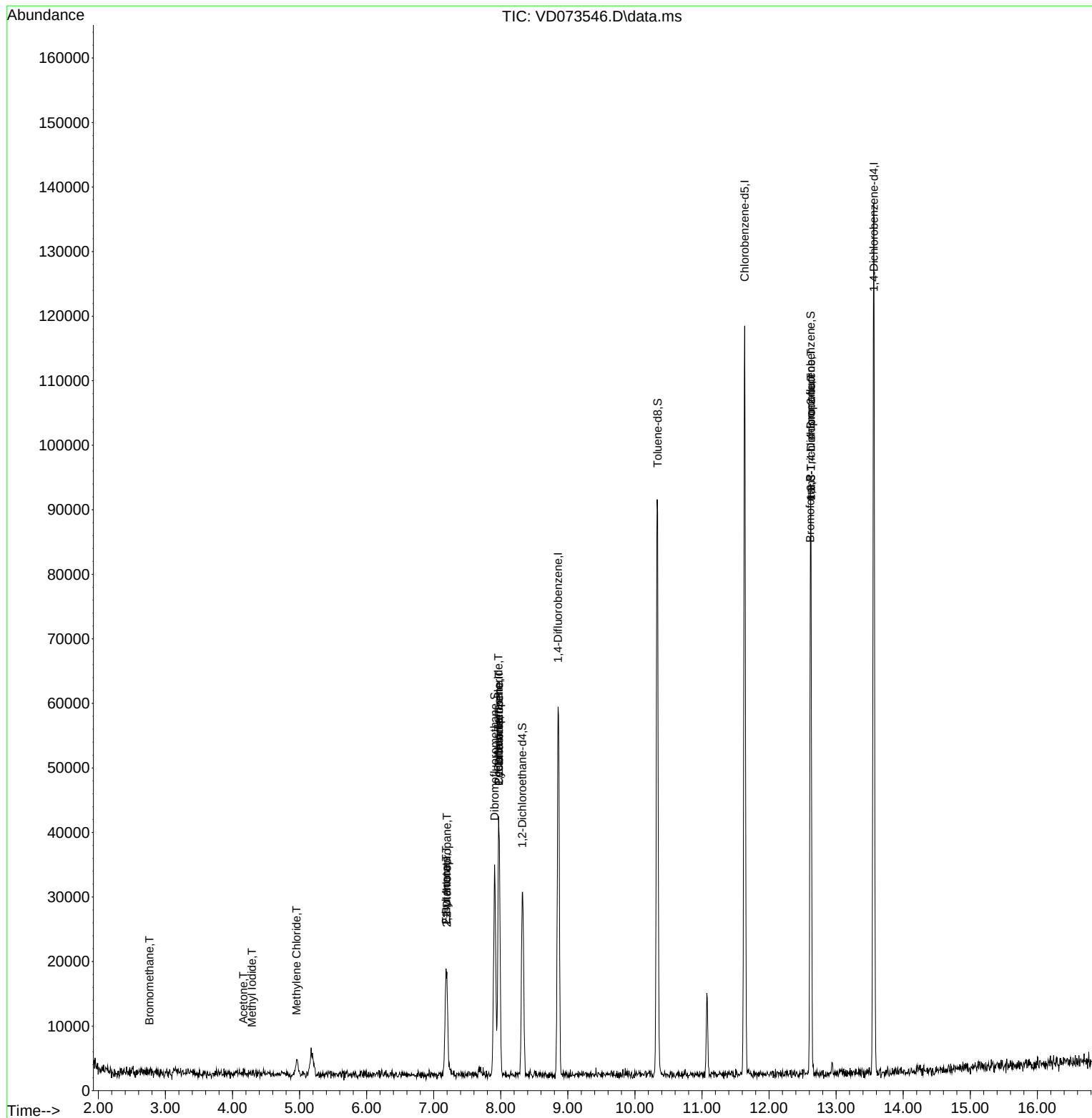
Internal Standards						
1) Pentafluorobenzene	7.973	168	30428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	50667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	68136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	35526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	24995	76.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.100%	
35) Dibromofluoromethane	7.908	113	22518	69.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 138.220%	
50) Toluene-d8	10.337	98	63748	51.750	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.500%	
62) 4-Bromofluorobenzene	12.620	95	30271	67.691	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 135.380%	
Target Compounds						Qvalue
5) Bromomethane	2.761	94	456	2.280	ug/l	85
10) Methyl Iodide	4.291	142	267	4.825	ug/l #	67
11) Tert butyl alcohol	5.167	59	1696	Below Cal	#	74
16) Acetone	4.161	43	874	15.201	ug/l #	47
20) Methylene Chloride	4.955	84	1932	2.242	ug/l #	67
25) 2-Butanone	7.185	43	446	5.272	ug/l #	52
26) 2,2-Dichloropropane	7.196	77	1331	2.428	ug/l #	54
31) Cyclohexane	7.973	56	570	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	2375	4.853	ug/l #	43
37) Ethyl Acetate	7.185	43	446	2.256	ug/l #	61
38) Carbon Tetrachloride	7.967	117	3544	6.923	ug/l #	13
71) Bromoform	12.614	173	426	1.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.625	75	15327	44.410	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	15327	104.239	ug/l #	7

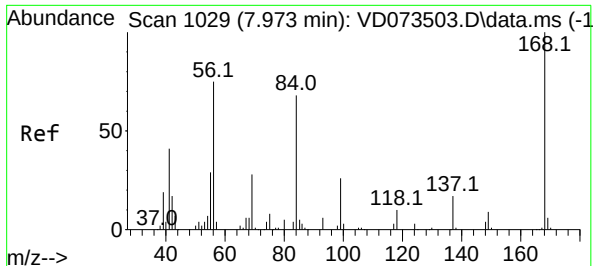
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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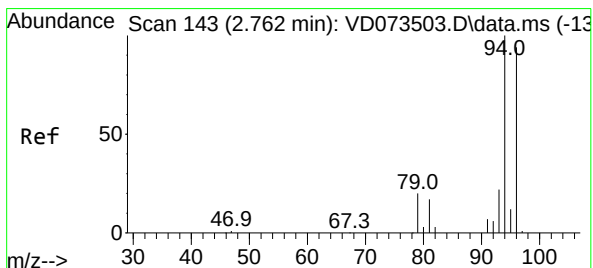
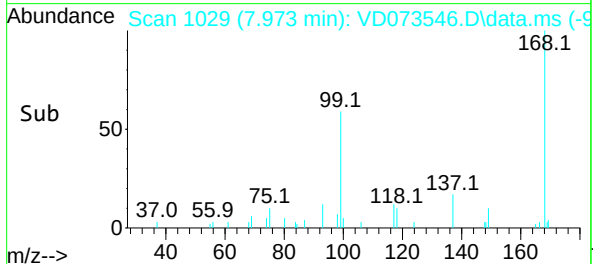
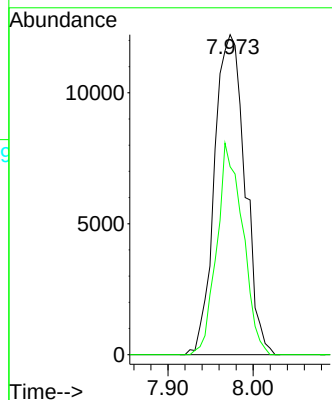
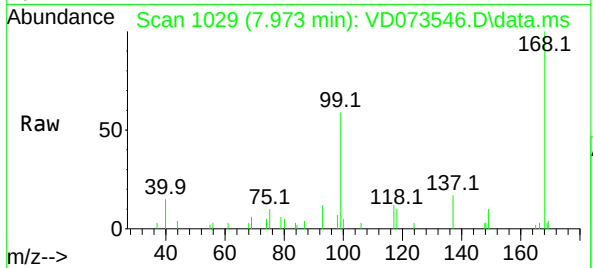




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

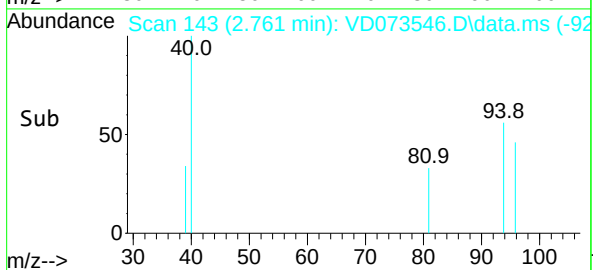
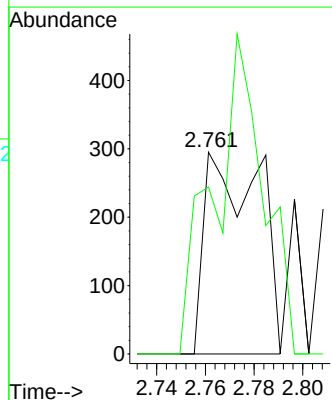
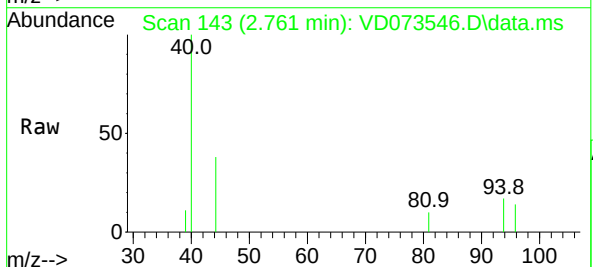
Instrument :
MSVOA_D
ClientSampleId :
RB-21499RE

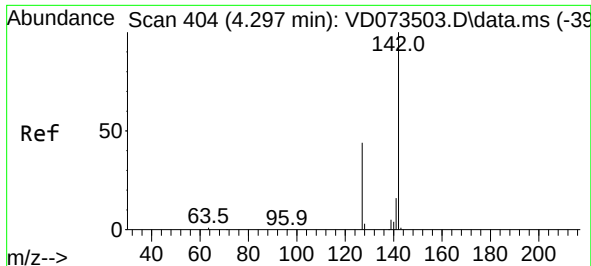
Tgt Ion:168 Resp: 30428
Ion Ratio Lower Upper
168 100
99 58.8 49.8 74.6



#5
Bromomethane
Concen: 2.280 ug/l
RT: 2.761 min Scan# 143
Delta R.T. -0.001 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

Tgt Ion: 94 Resp: 456
Ion Ratio Lower Upper
94 100
96 82.7 77.6 116.4

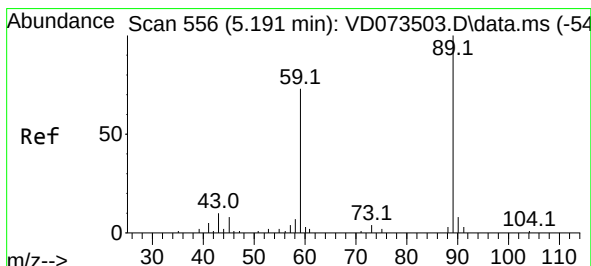
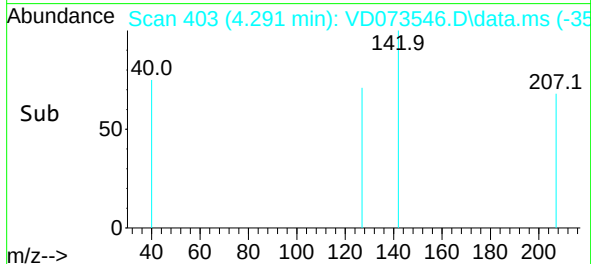
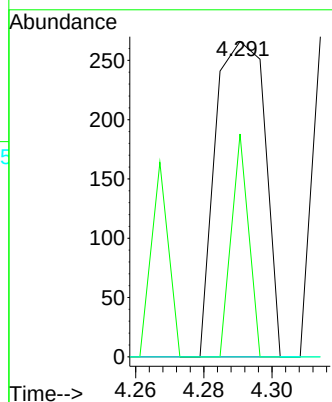
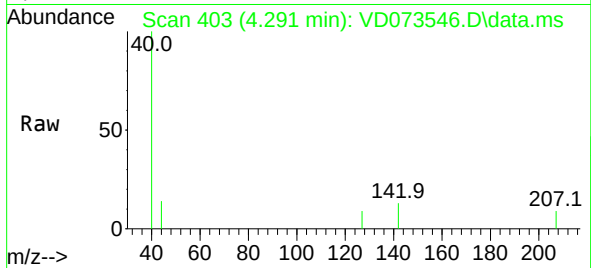




#10
Methyl Iodide
Concen: 4.825 ug/l
RT: 4.291 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

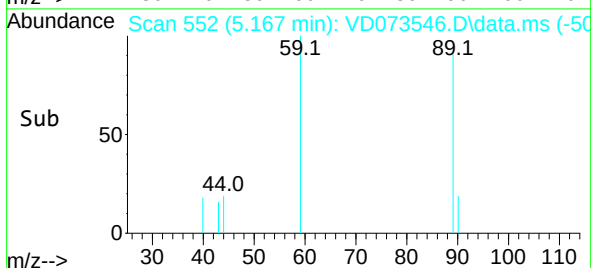
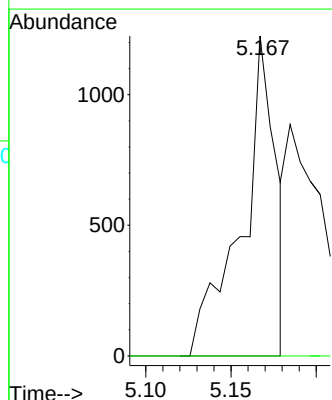
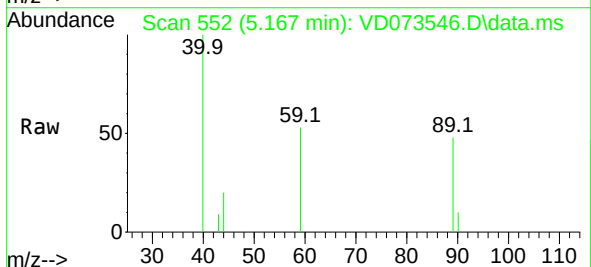
Instrument :
MSVOA_D
ClientSampleId :
RB-21499RE

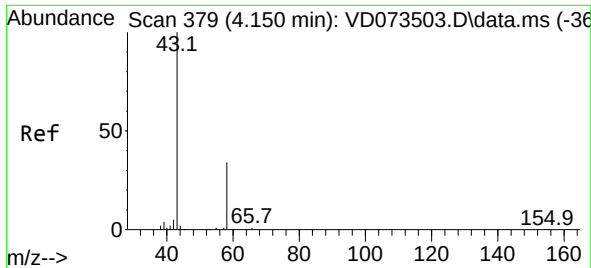
Tgt Ion:142 Resp: 267
Ion Ratio Lower Upper
142 100
127 24.7 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 552
Delta R.T. -0.024 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

Tgt Ion: 59 Resp: 1696
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

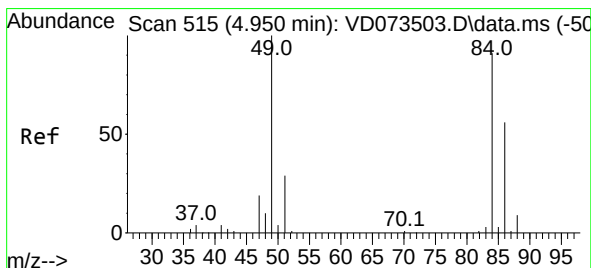
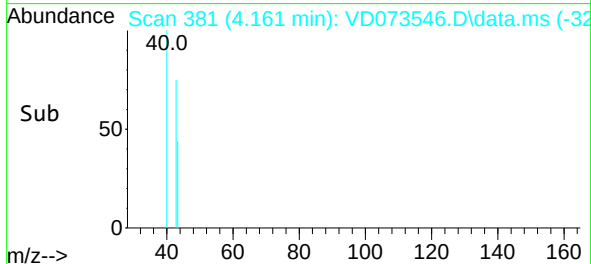
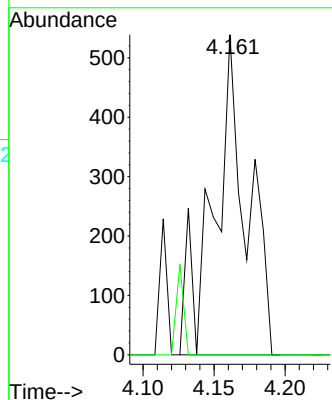
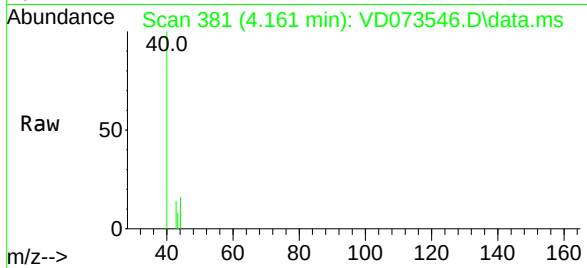




#16
Acetone
Concen: 15.201 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

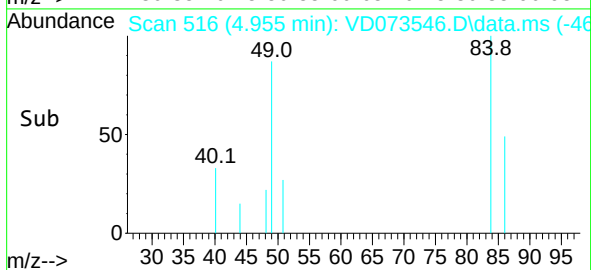
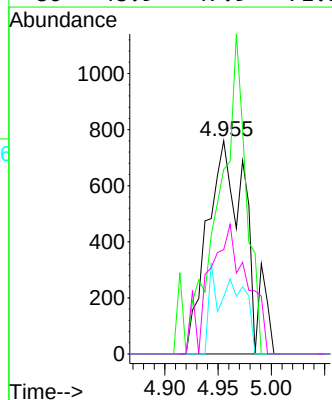
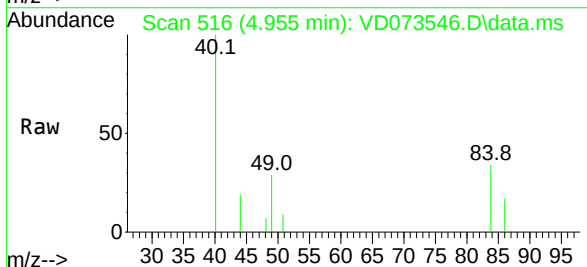
Instrument :
MSVOA_D
ClientSampleId :
RB-21499RE

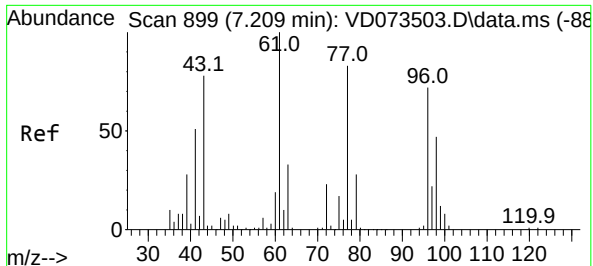
Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 2.242 ug/l
RT: 4.955 min Scan# 516
Delta R.T. 0.005 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

Tgt Ion: 84 Resp: 1932
Ion Ratio Lower Upper
84 100
49 86.6 112.8 169.2#
51 26.8 32.6 48.8#
86 48.9 47.9 71.9

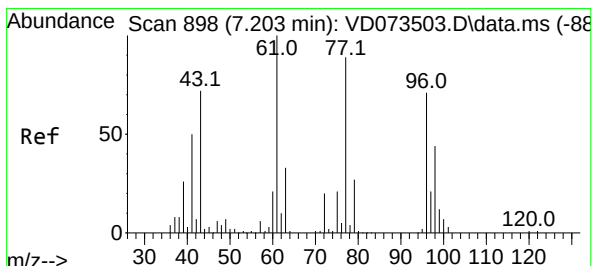
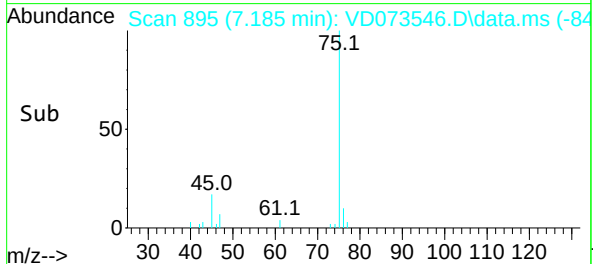
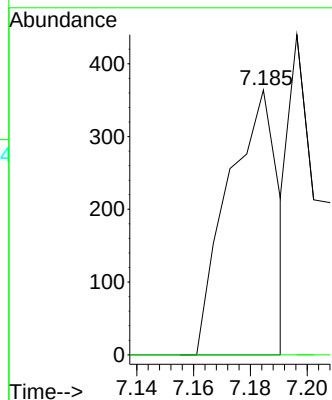
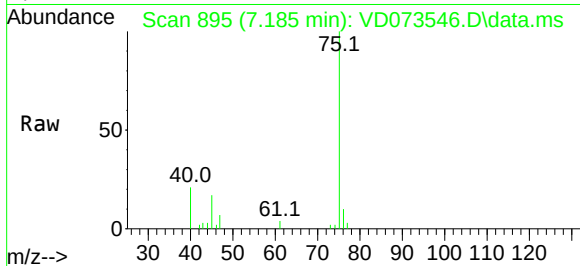




#25
2-Butanone
Concen: 5.272 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

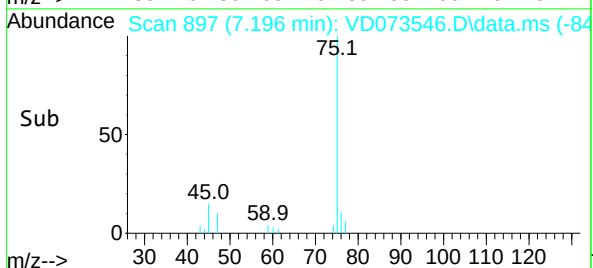
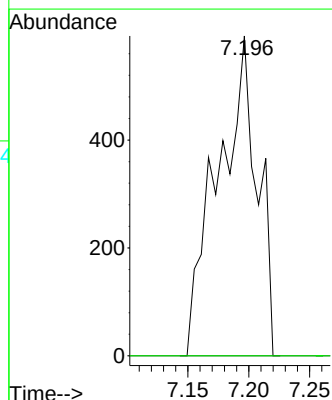
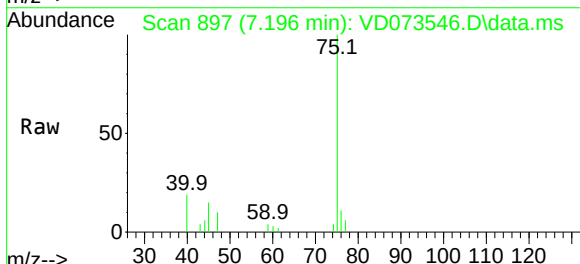
Instrument :
MSVOA_D
ClientSampleId :
RB-21499RE

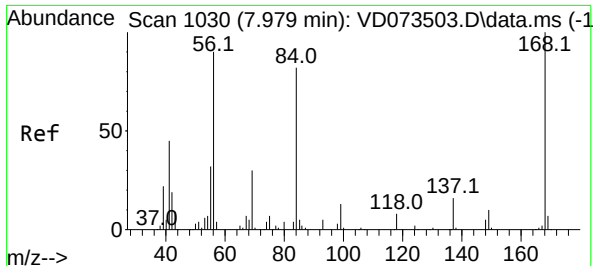
Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 2.428 ug/l
RT: 7.196 min Scan# 897
Delta R.T. -0.007 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

Tgt Ion: 77 Resp: 1331
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073546.D

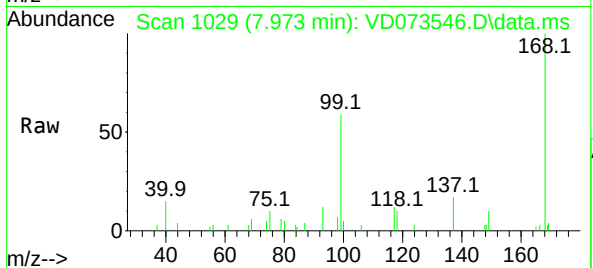
Acq: 13 Jun 2022 15:13

Instrument :

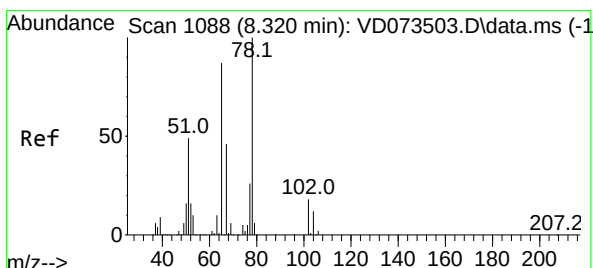
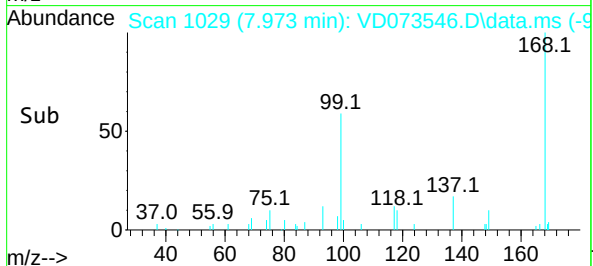
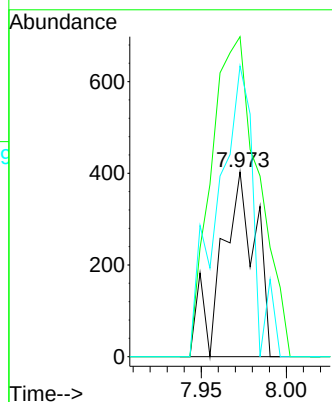
MSVOA_D

ClientSampleId :

RB-21499RE



Tgt Ion:	56	Resp:	570
Ion Ratio	Lower	Upper	
56	100		
69	173.2	25.4	38.2#
84	157.3	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 76.547 ug/l

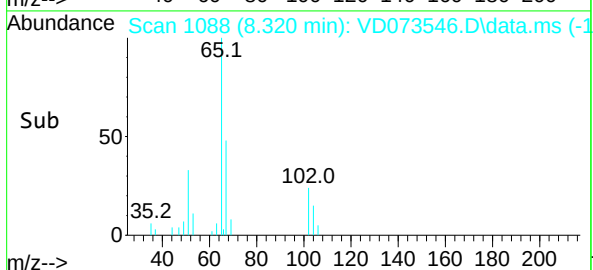
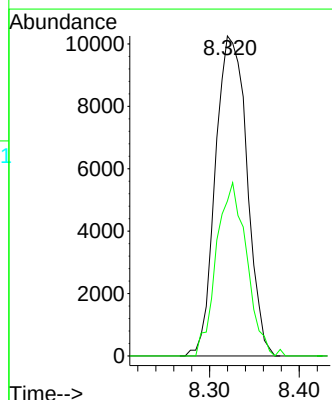
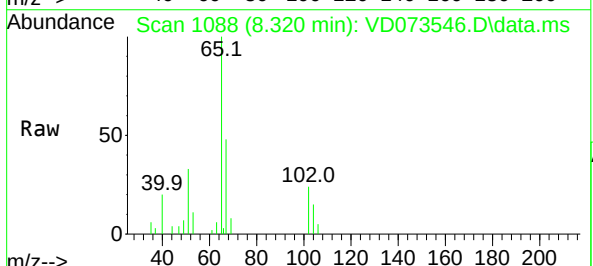
RT: 8.320 min Scan# 1088

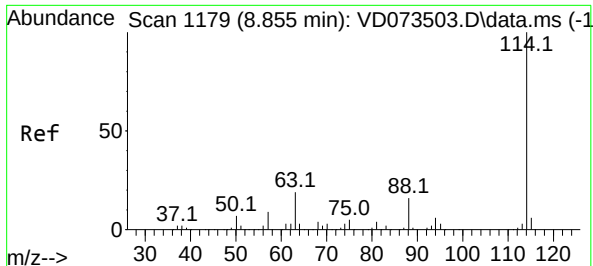
Delta R.T. -0.000 min

Lab File: VD073546.D

Acq: 13 Jun 2022 15:13

Tgt Ion:	65	Resp:	24995
Ion Ratio	Lower	Upper	
65	100		
67	51.8	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073546.D

Acq: 13 Jun 2022 15:13

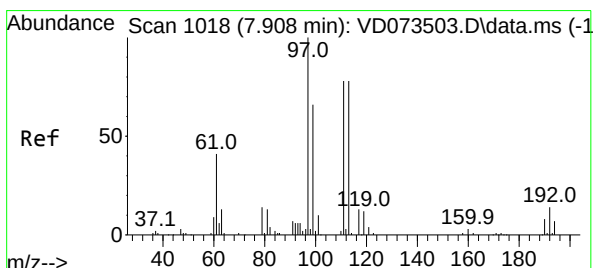
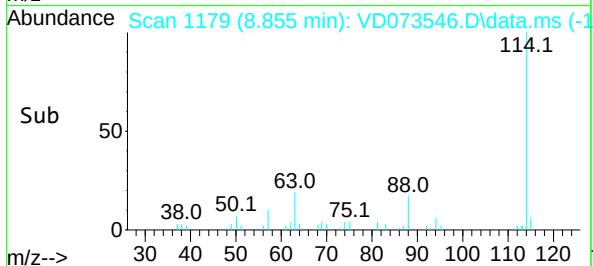
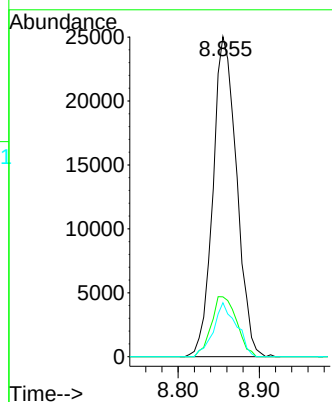
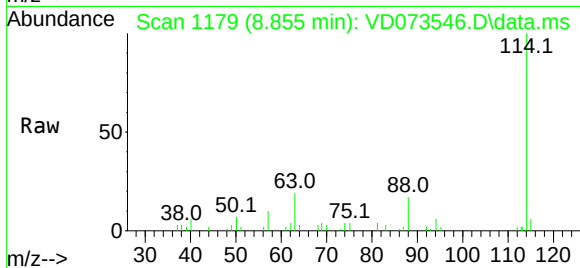
Instrument :

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RB-21499RE

Tgt Ion:114	Resp:	50667
Ion Ratio	Lower	Upper
114	100	
63	18.7	0.0 46.6
88	16.9	0.0 33.2



#35

Dibromofluoromethane

Concen: 69.114 ug/l

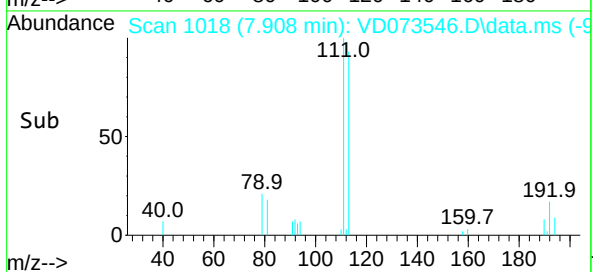
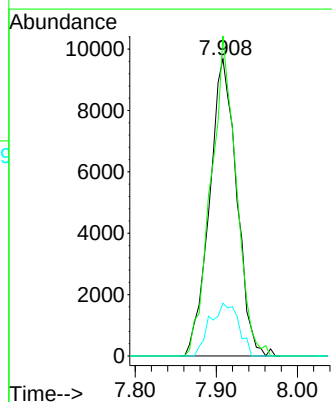
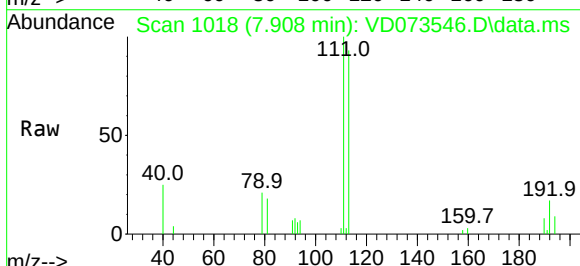
RT: 7.908 min Scan# 1018

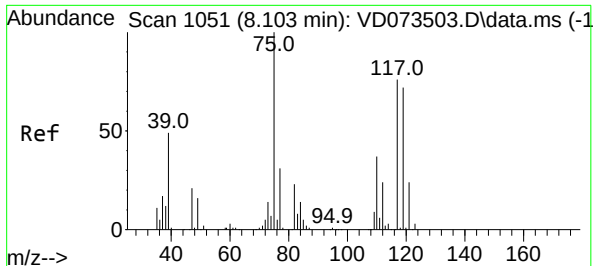
Delta R.T. 0.000 min

Lab File: VD073546.D

Acq: 13 Jun 2022 15:13

Tgt Ion:113	Resp:	22518
Ion Ratio	Lower	Upper
113	100	
111	100.4	83.8 125.6
192	18.7	14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073546.D

Acq: 13 Jun 2022 15:13

Instrument :

MSVOA_D

ClientSampleId :

RB-21499RE

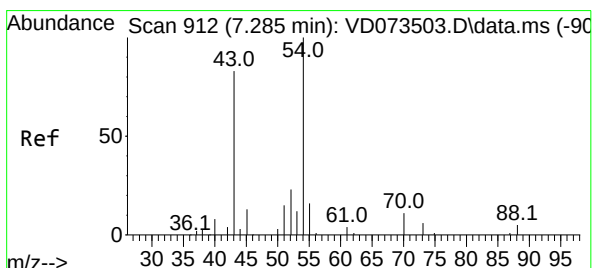
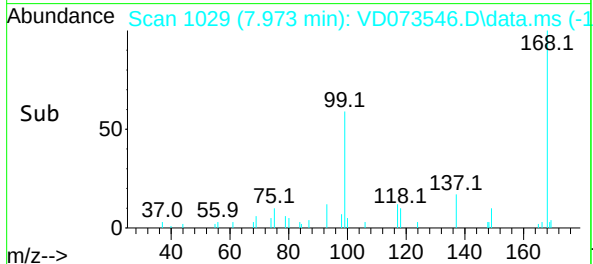
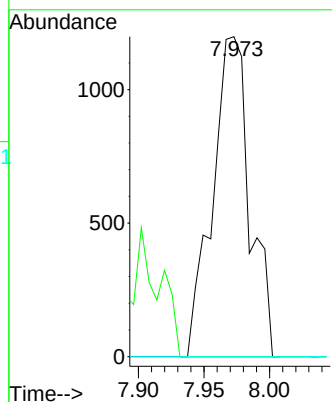
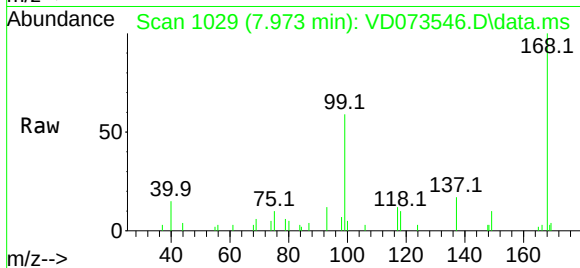
Tgt Ion: 75 Resp: 2375

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 2.256 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.100 min

Lab File: VD073546.D

Acq: 13 Jun 2022 15:13

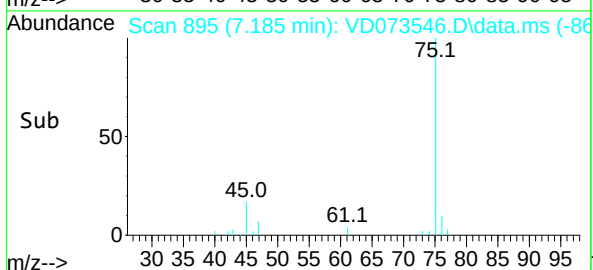
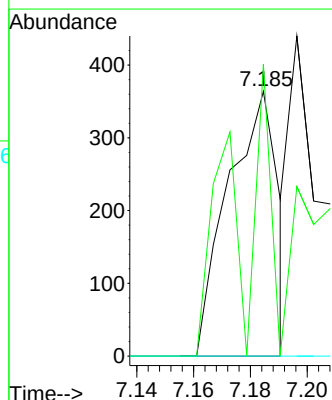
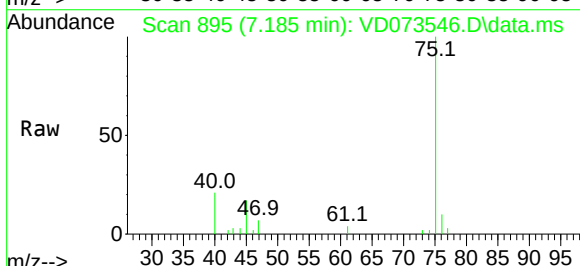
Tgt Ion: 43 Resp: 446

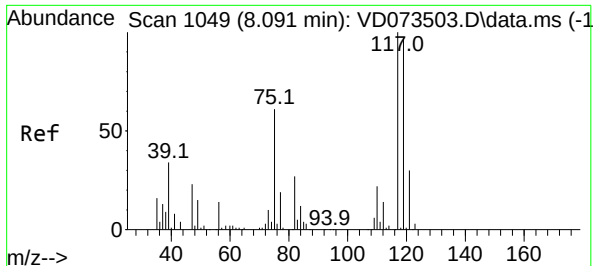
Ion Ratio Lower Upper

43 100

61 31.8 9.8 14.8#

70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 6.923 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073546.D

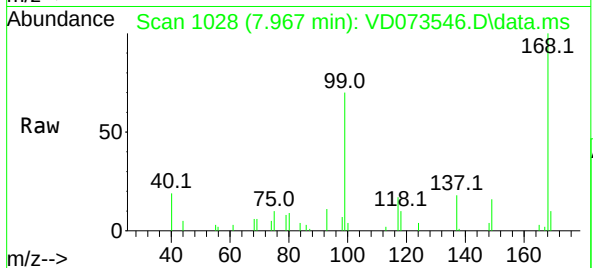
Acq: 13 Jun 2022 15:13

Instrument :

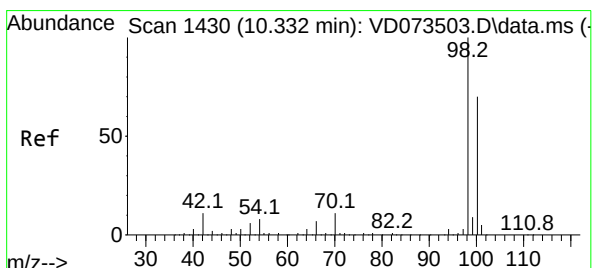
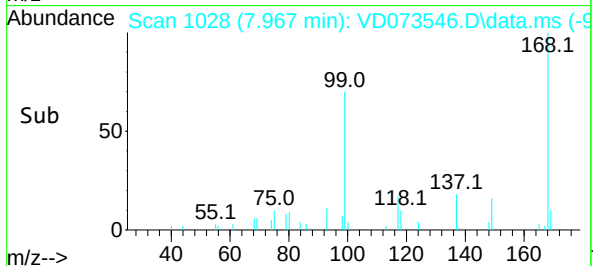
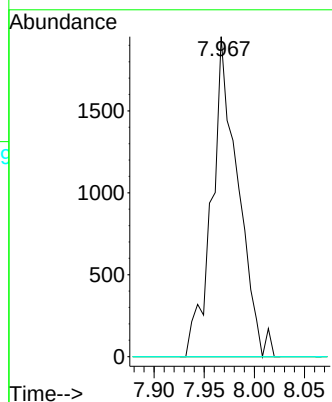
MSVOA_D

ClientSampleId :

RB-21499RE



Tgt Ion:117	Resp:	3544
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.5 36.7#



#50

Toluene-d8

Concen: 51.750 ug/l

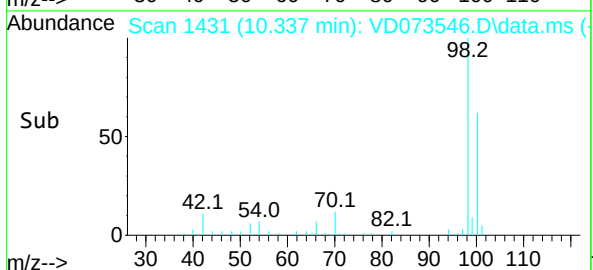
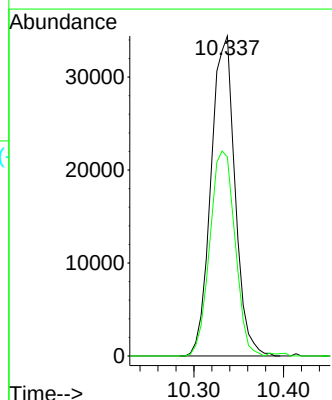
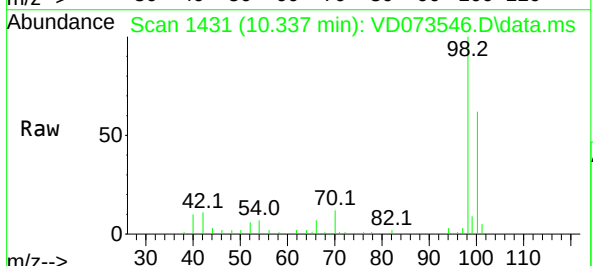
RT: 10.337 min Scan# 1431

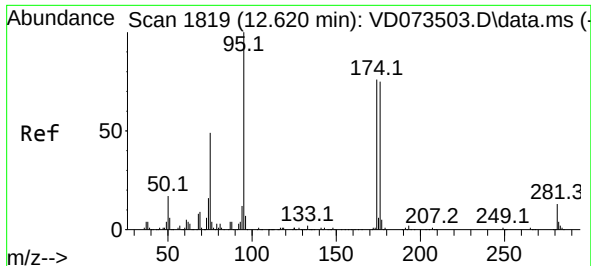
Delta R.T. 0.005 min

Lab File: VD073546.D

Acq: 13 Jun 2022 15:13

Tgt Ion: 98	Resp:	63748
Ion	Ratio	Lower Upper
98	100	
100	67.2	52.4 78.6

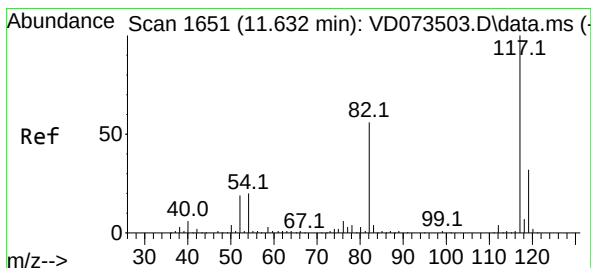
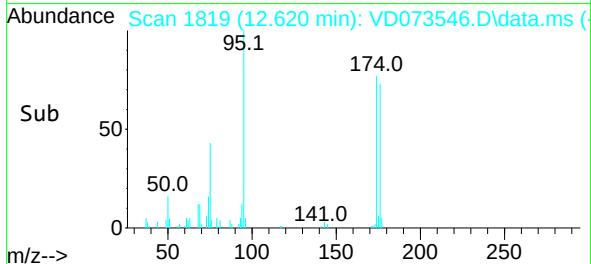
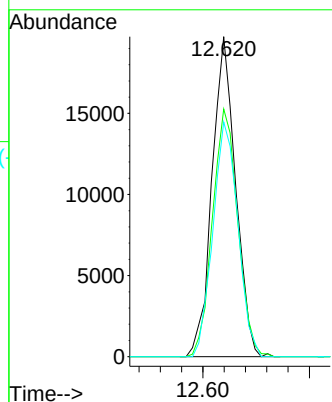
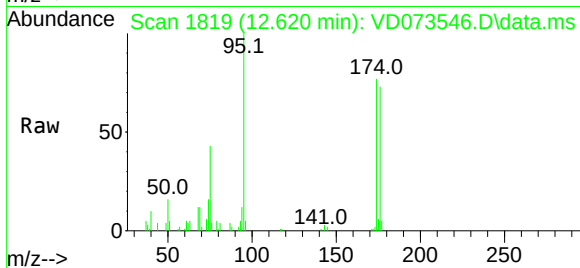




#62
4-Bromofluorobenzene
Concen: 67.691 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

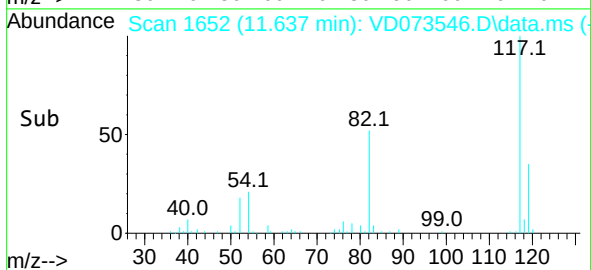
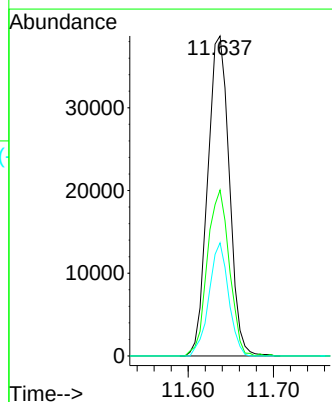
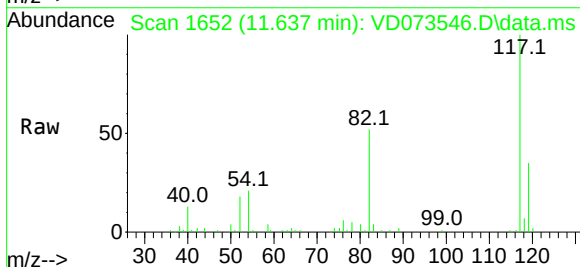
Instrument :
MSVOA_D
ClientSampleId :
RB-21499RE

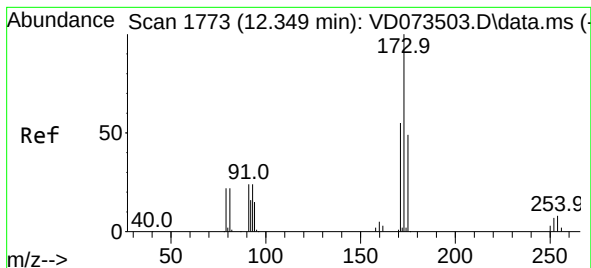
Tgt Ion: 95	Resp: 30271
Ion Ratio	Lower Upper
95 100	
174 82.7	0.0 152.8
176 77.5	0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. 0.005 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

Tgt Ion: 117	Resp: 68136
Ion Ratio	Lower Upper
117 100	
82 51.9	45.3 67.9
119 35.4	26.6 40.0





#71

Bromoform

Concen: 1.465 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. 0.265 min

Lab File: VD073546.D

Acq: 13 Jun 2022 15:13

Instrument :

MSVOA_D

ClientSampleId :

RB-21499RE

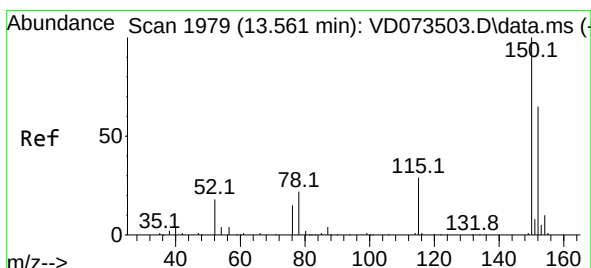
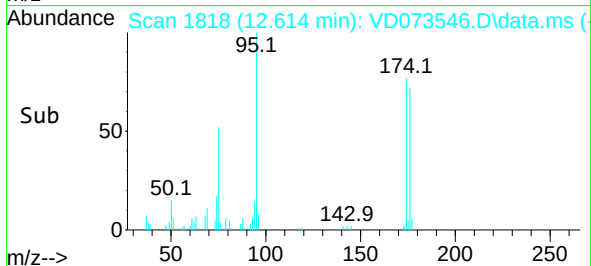
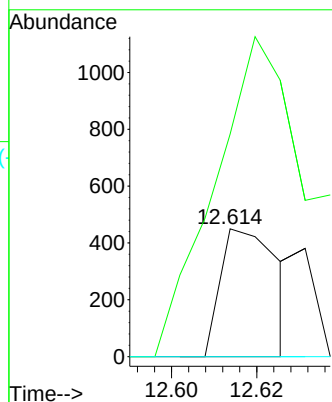
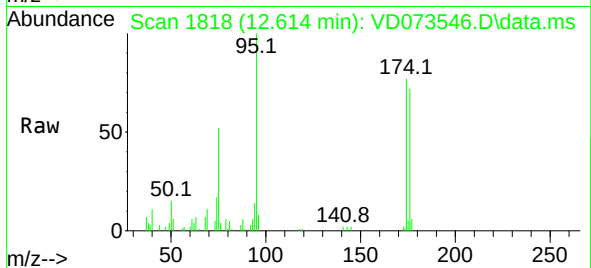
Tgt Ion:173 Resp: 426

Ion Ratio Lower Upper

173 100

175 303.1 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: VD073546.D

Acq: 13 Jun 2022 15:13

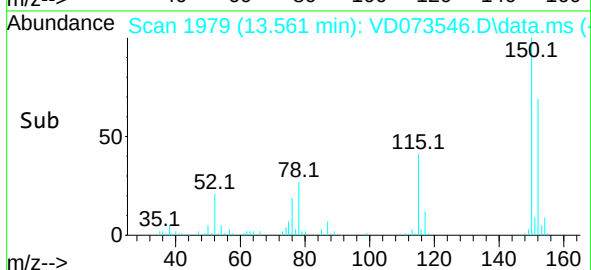
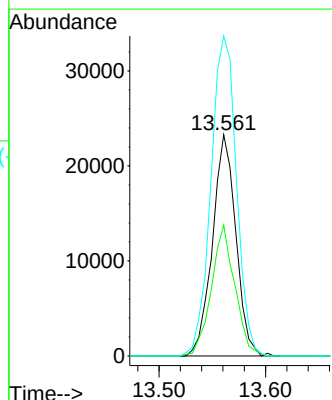
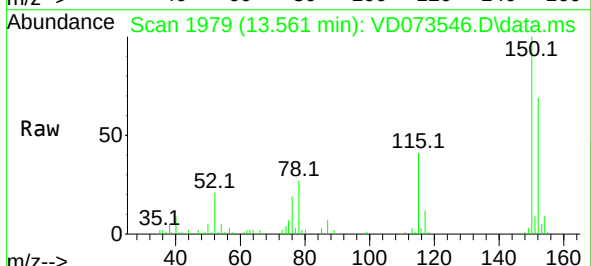
Tgt Ion:152 Resp: 35526

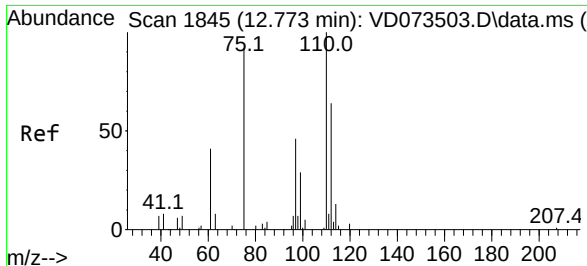
Ion Ratio Lower Upper

152 100

115 59.3 31.3 93.8

150 157.8 0.0 348.6

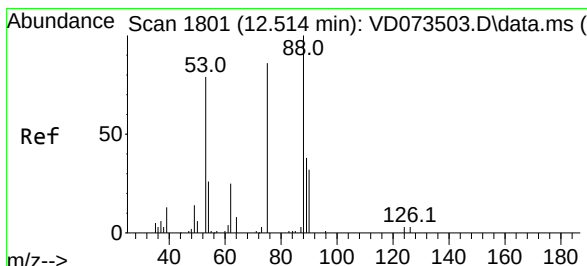
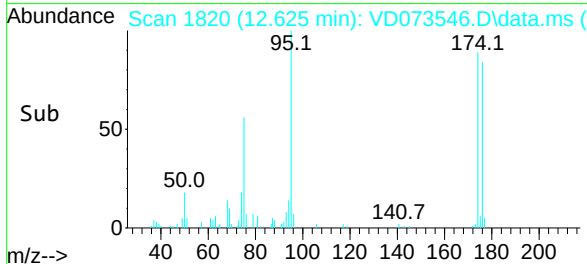
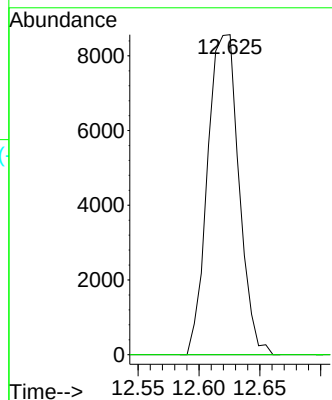
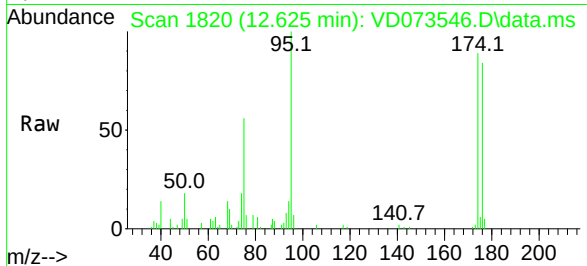




#76
1,2,3-Trichloropropane
Concen: 44.410 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

Instrument :
MSVOA_D
ClientSampleId :
RB-21499RE

Tgt Ion: 75 Resp: 15327
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 104.239 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.111 min
Lab File: VD073546.D
Acq: 13 Jun 2022 15:13

Tgt Ion: 75 Resp: 15327
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.5 33.9 50.9#

