

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061322\
 Data File : VD073542.D
 Acq On : 13 Jun 2022 13:15
 Operator : VA/SY
 Sample : N3233-03
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CR-2

Quant Time: Jun 13 15:32:47 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)

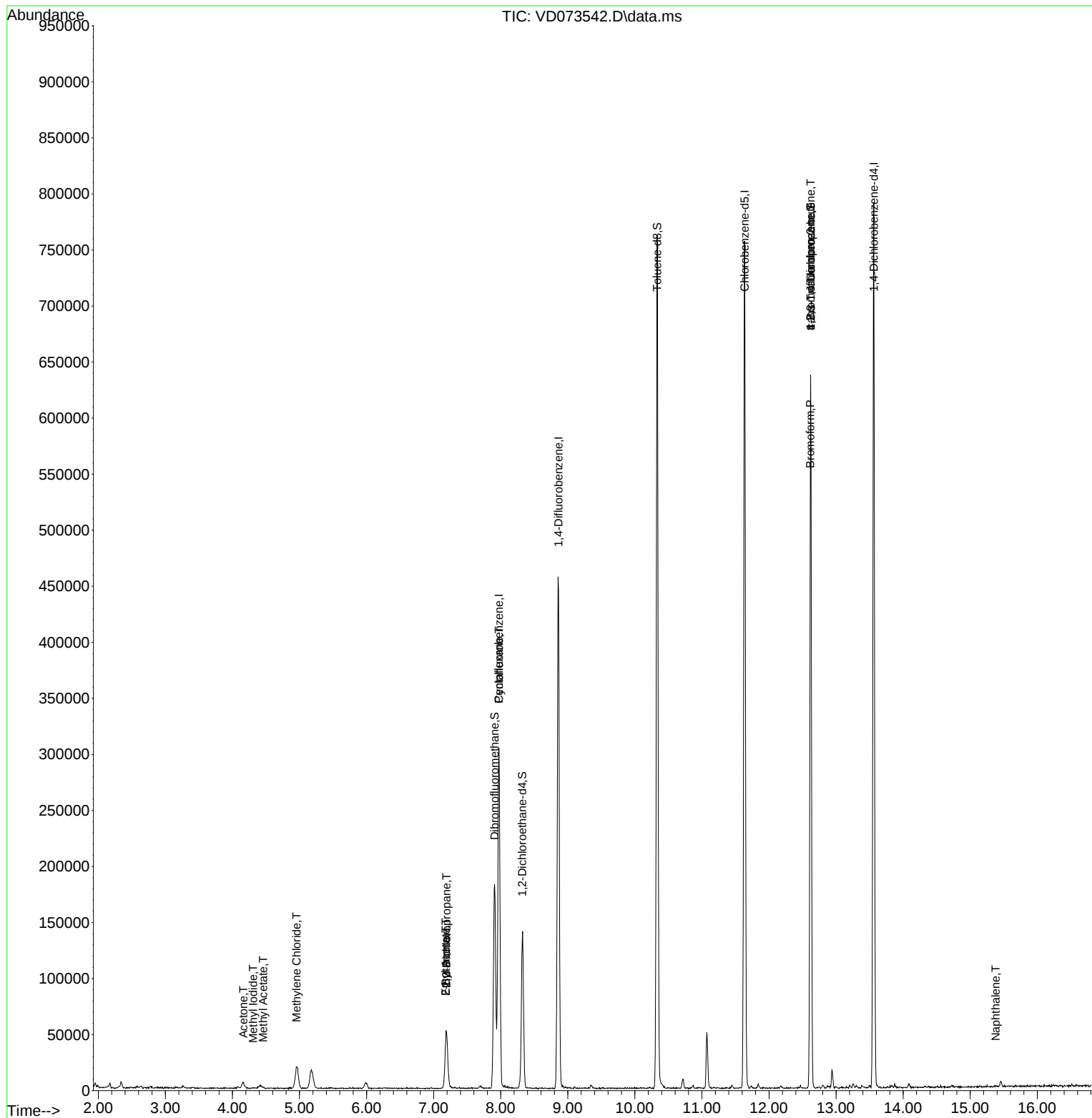
Internal Standards						
1) Pentafluorobenzene	7.973	168	221591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	399484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	454653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	210789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	109391	46.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.000%
35) Dibromofluoromethane	7.908	113	134084	52.196	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.400%
50) Toluene-d8	10.332	98	500681	51.550	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.100%
62) 4-Bromofluorobenzene	12.620	95	206517	58.572	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.140%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	810	4.444	ug/l #	48
11) Tert butyl alcohol	5.173	59	9050	Below Cal	#	74
16) Acetone	4.162	43	9642	23.028	ug/l #	89
18) Methyl Acetate	4.456	43	231	1.560	ug/l #	55
20) Methylene Chloride	4.956	84	16422	3.201	ug/l #	90
25) 2-Butanone	7.179	43	3092	5.019	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	4632	1.160	ug/l #	54
31) Cyclohexane	7.973	56	5591	1.396	ug/l #	16
37) Ethyl Acetate	7.179	43	3092	1.984	ug/l #	1
71) Bromoform	12.614	173	2191	1.129	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	103156	50.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	103156	118.240	ug/l #	7
95) Naphthalene	15.379	128	905	4.313	ug/l #	70

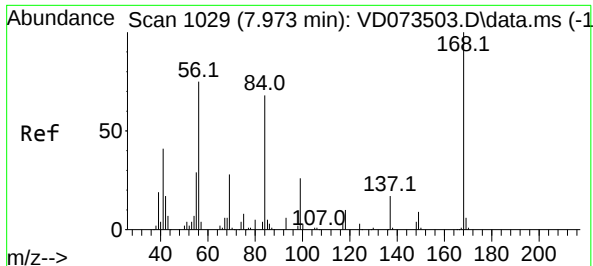
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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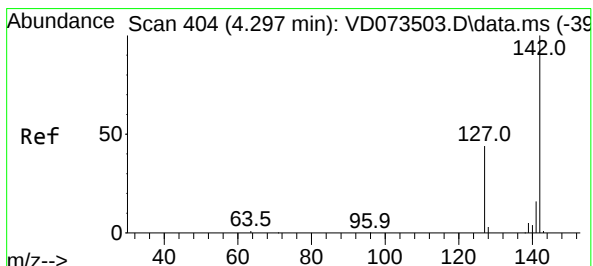
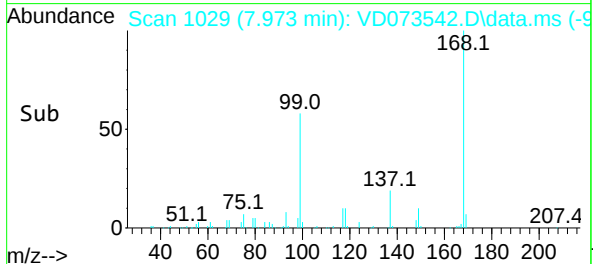
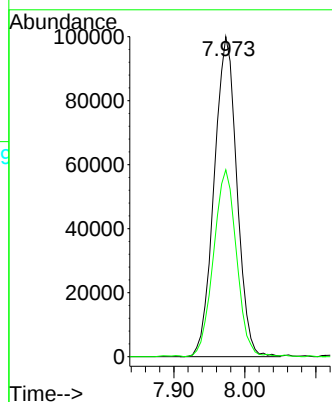
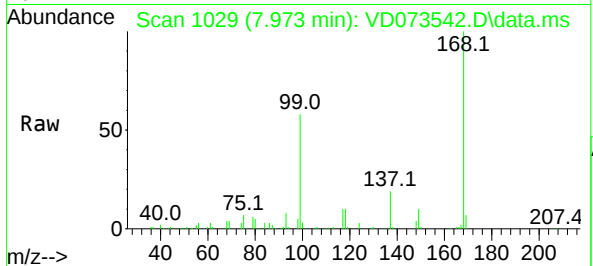




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

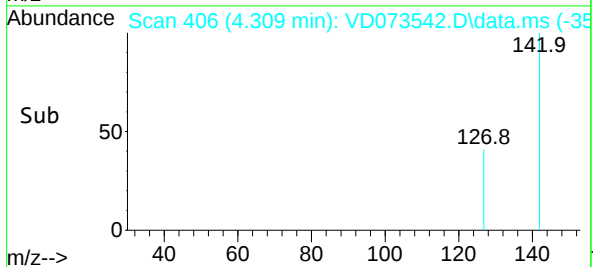
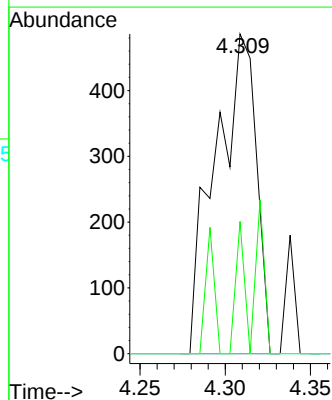
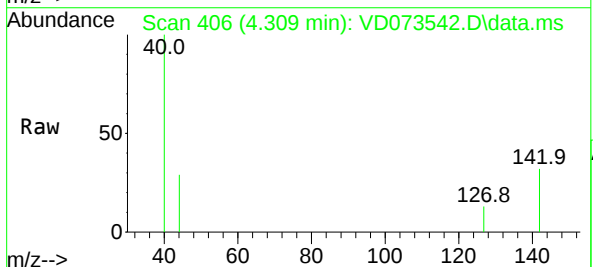
Instrument :
MSVOA_D
ClientSampleId :
CR-2

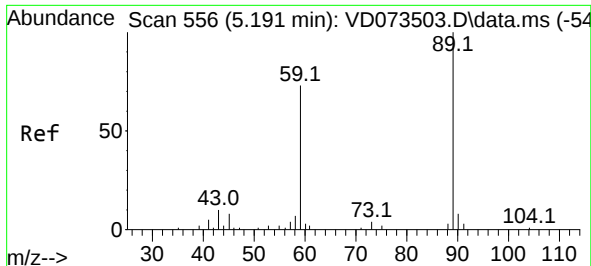
Tgt Ion:168 Resp: 221591
Ion Ratio Lower Upper
168 100
99 58.1 49.8 74.6



#10
Methyl Iodide
Concen: 4.444 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

Tgt Ion:142 Resp: 810
Ion Ratio Lower Upper
142 100
127 8.8 37.3 55.9#
141 0.0 11.7 17.5#

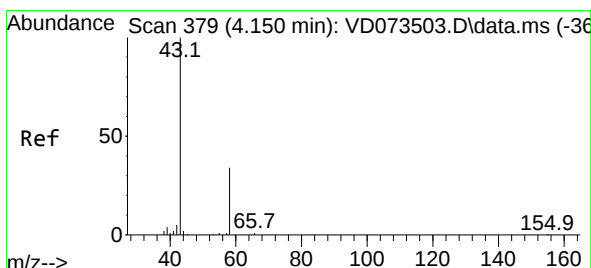
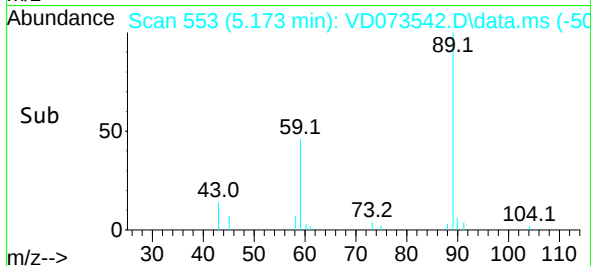
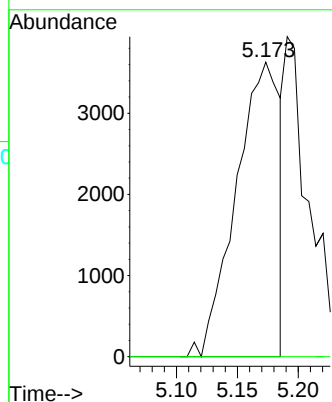
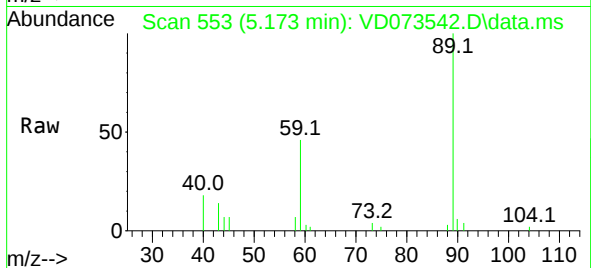




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 511
Delta R.T. -0.018 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

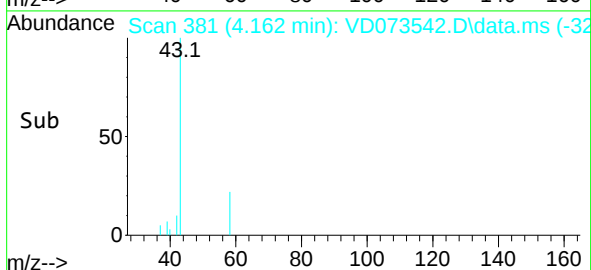
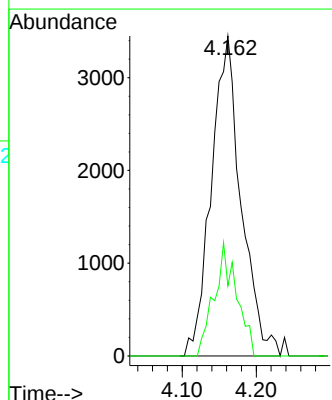
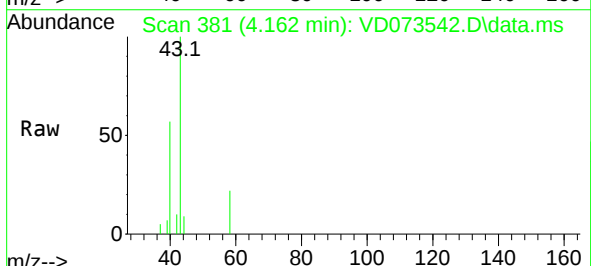
Instrument :
MSVOA_D
ClientSampleId :
CR-2

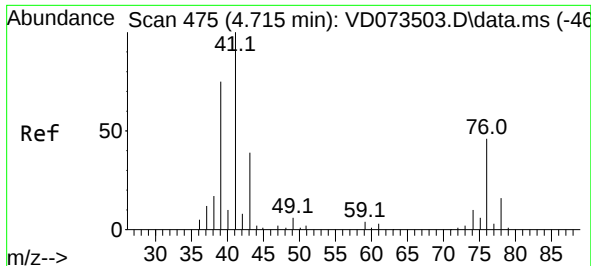
Tgt Ion: 59 Resp: 9050
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 23.028 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

Tgt Ion: 43 Resp: 9642
Ion Ratio Lower Upper
43 100
58 21.9 22.1 33.1#





#18

Methyl Acetate

Concen: 1.560 ug/l

RT: 4.456 min Scan# 41

Delta R.T. -0.259 min

Lab File: VD073542.D

Acq: 13 Jun 2022 13:15

Instrument :

MSVOA_D

ClientSampleId :

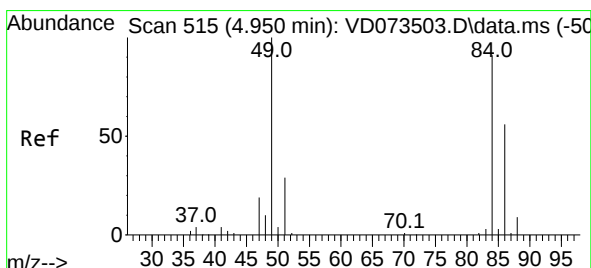
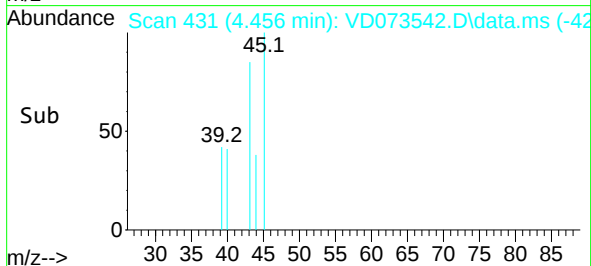
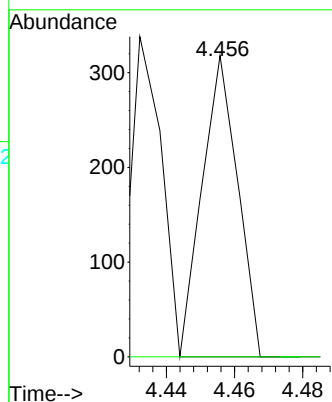
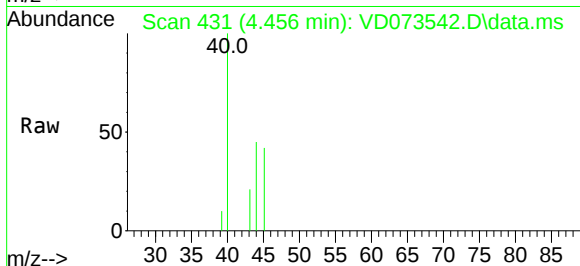
CR-2

Tgt Ion: 43 Resp: 231

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 3.201 ug/l

RT: 4.956 min Scan# 516

Delta R.T. 0.006 min

Lab File: VD073542.D

Acq: 13 Jun 2022 13:15

Tgt Ion: 84 Resp: 16422

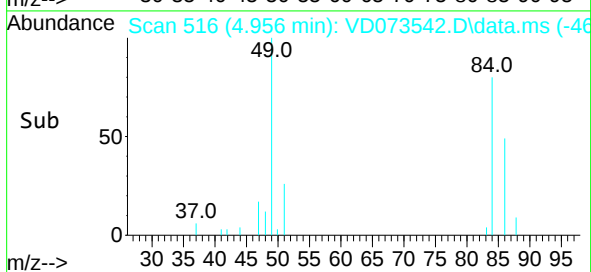
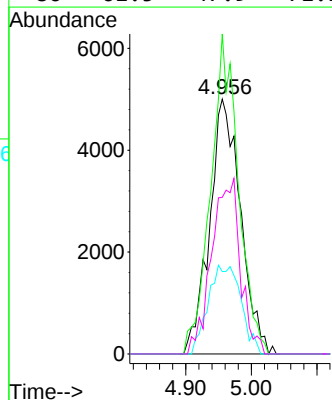
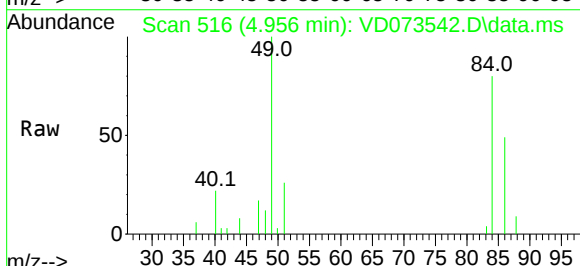
Ion Ratio Lower Upper

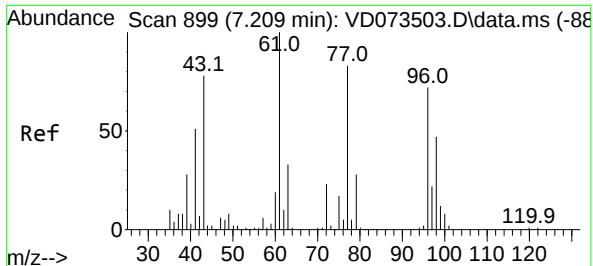
84 100

49 125.6 112.8 169.2

51 32.3 32.6 48.8#

86 61.5 47.9 71.9





#25

2-Butanone

Concen: 5.019 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.030 min

Lab File: VD073542.D

Acq: 13 Jun 2022 13:15

Instrument :

MSVOA_D

ClientSampleId :

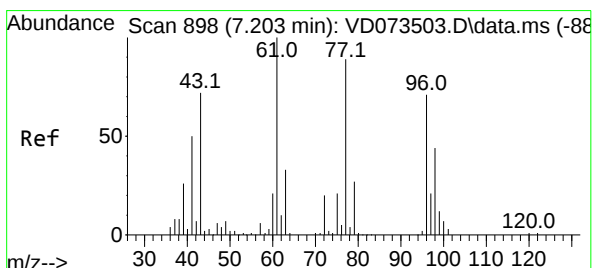
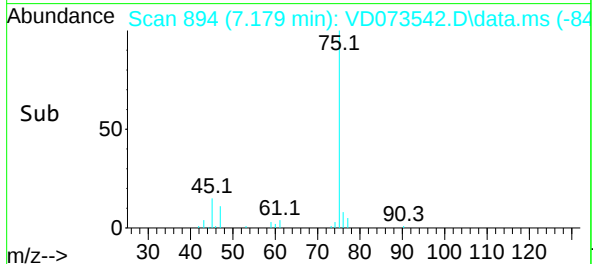
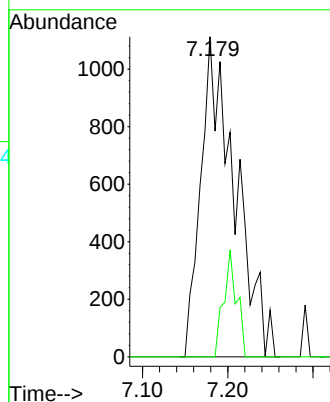
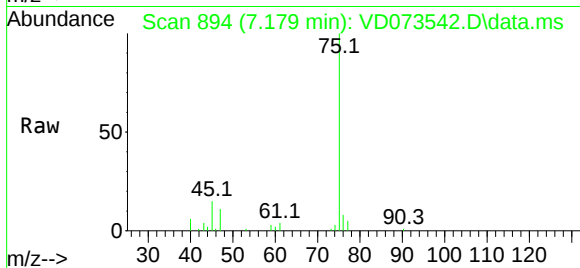
CR-2

Tgt Ion: 43 Resp: 3092

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 1.160 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.012 min

Lab File: VD073542.D

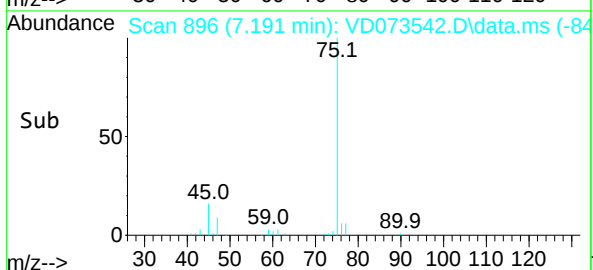
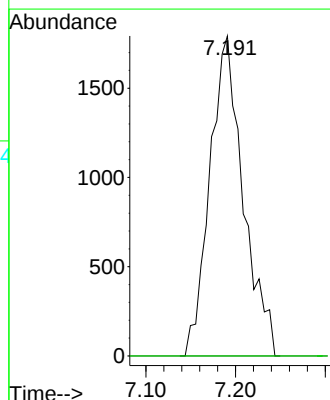
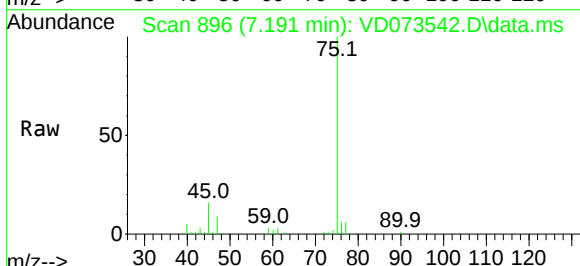
Acq: 13 Jun 2022 13:15

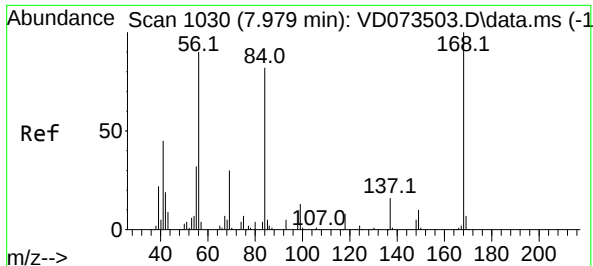
Tgt Ion: 77 Resp: 4632

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#





#31

Cyclohexane

Concen: 1.396 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073542.D

Acq: 13 Jun 2022 13:15

Instrument :

MSVOA_D

ClientSampleId :

CR-2

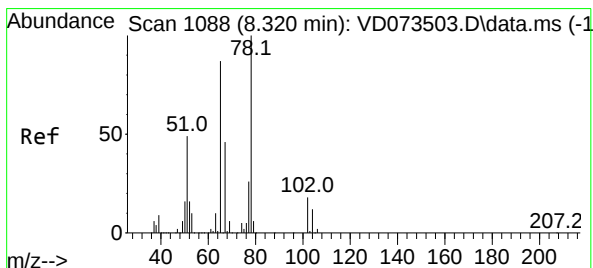
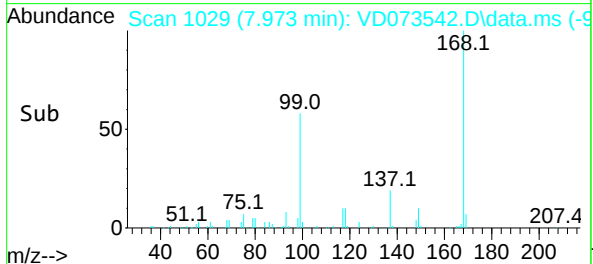
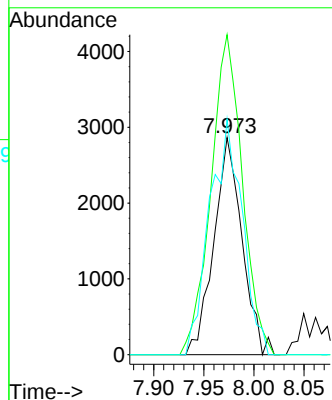
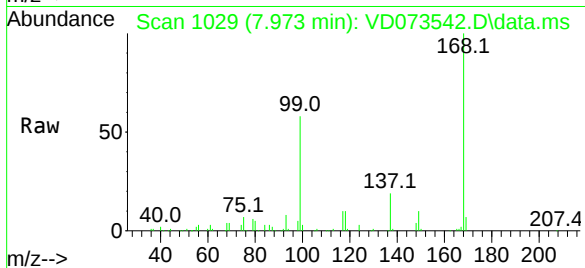
Tgt Ion: 56 Resp: 5591

Ion Ratio Lower Upper

56 100

69 147.4 25.4 38.2#

84 108.5 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 46.002 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073542.D

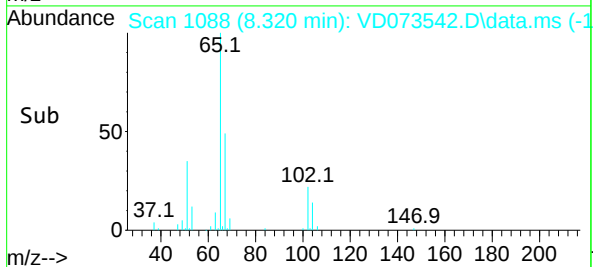
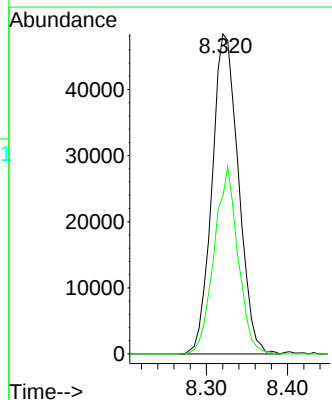
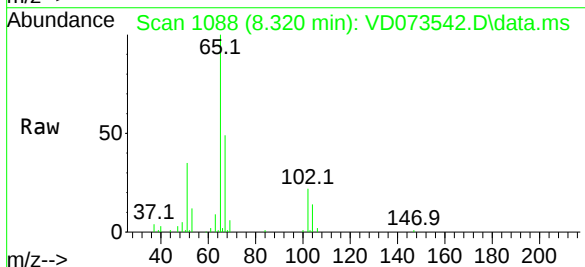
Acq: 13 Jun 2022 13:15

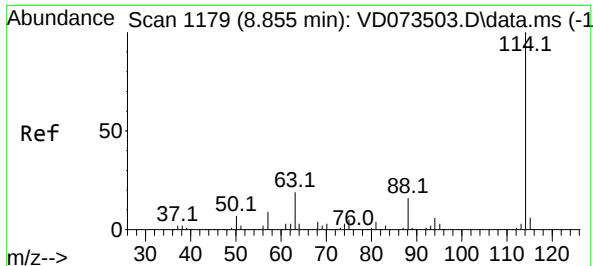
Tgt Ion: 65 Resp: 109391

Ion Ratio Lower Upper

65 100

67 52.7 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: VD073542.D

Acq: 13 Jun 2022 13:15

Instrument :

MSVOA_D

ClientSampleId :

CR-2

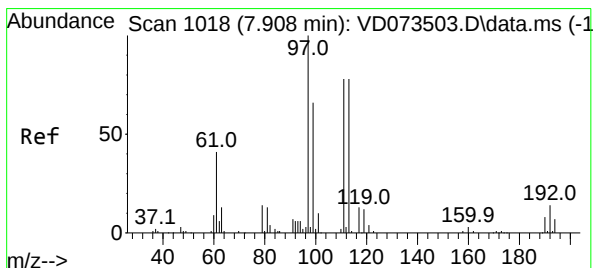
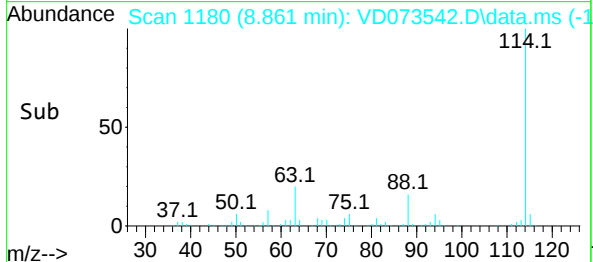
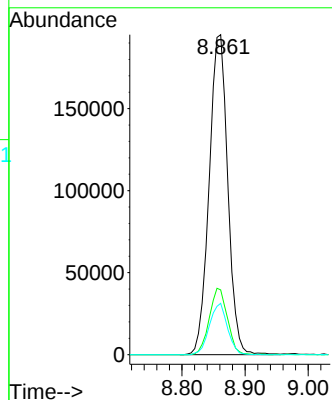
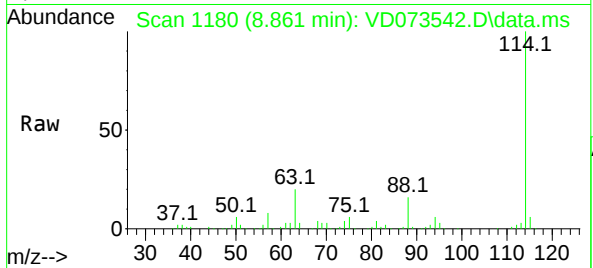
Tgt Ion:114 Resp: 399484

Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.196 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073542.D

Acq: 13 Jun 2022 13:15

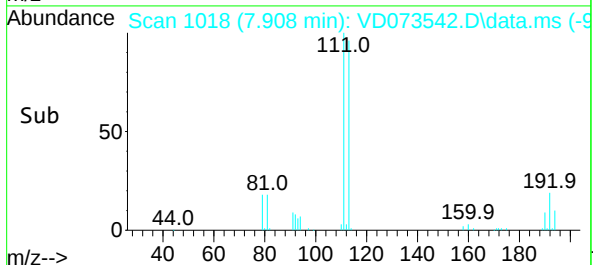
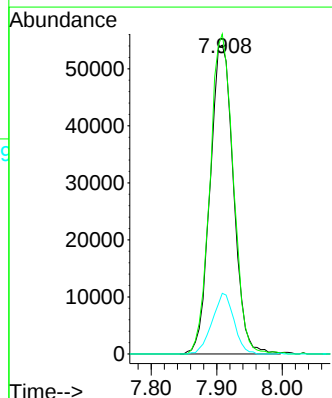
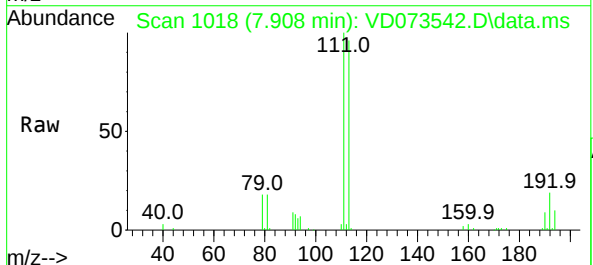
Tgt Ion:113 Resp: 134084

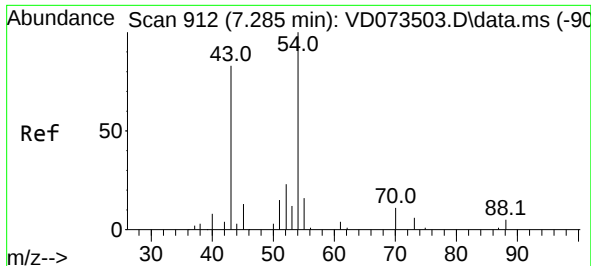
Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 18.2 14.6 21.8





#37

Ethyl Acetate

Concen: 1.984 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.106 min

Lab File: VD073542.D

Acq: 13 Jun 2022 13:15

Instrument :

MSVOA_D

ClientSampleId :

CR-2

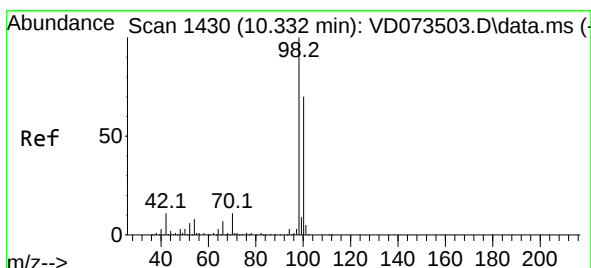
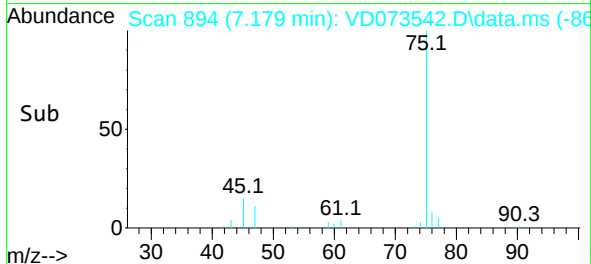
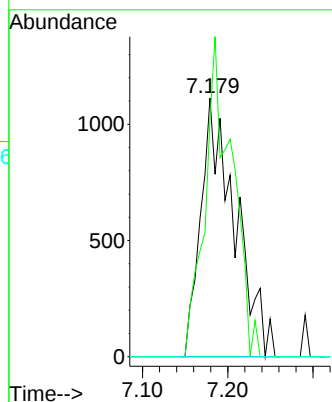
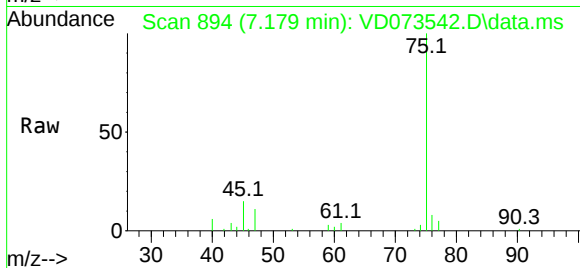
Tgt Ion: 43 Resp: 3092

Ion Ratio Lower Upper

43 100

61 98.3 9.8 14.8#

70 0.0 6.9 10.3#



#50

Toluene-d8

Concen: 51.550 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073542.D

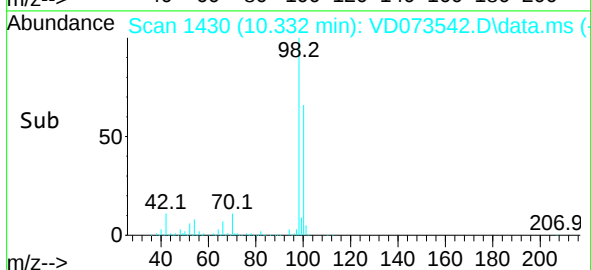
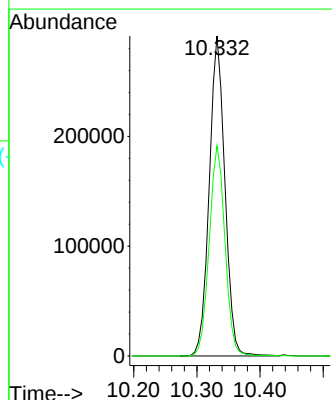
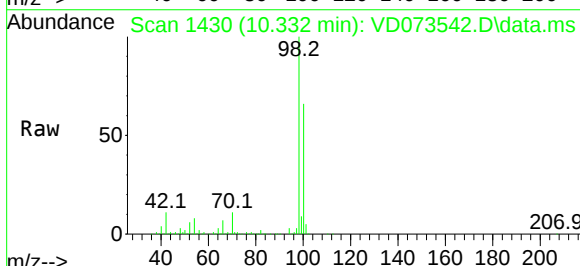
Acq: 13 Jun 2022 13:15

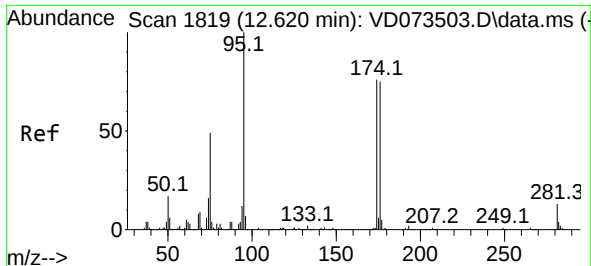
Tgt Ion: 98 Resp: 500681

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6

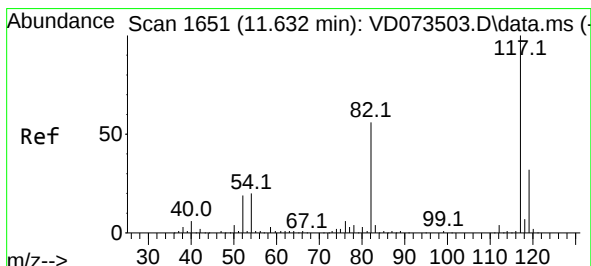
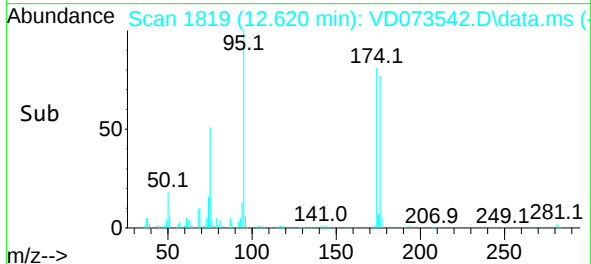
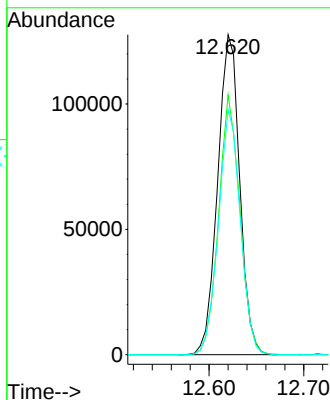
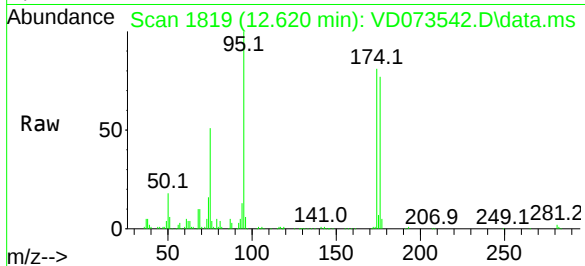




#62
4-Bromofluorobenzene
Concen: 58.572 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

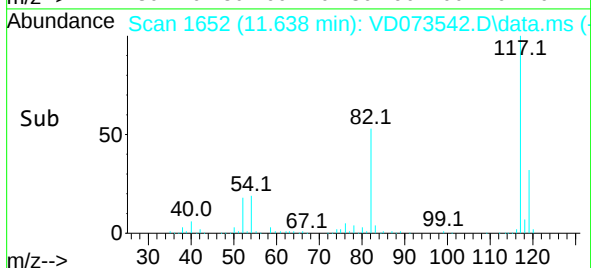
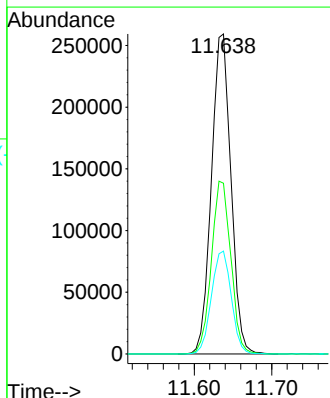
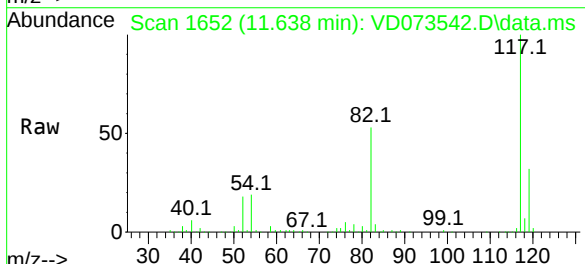
Instrument :
MSVOA_D
ClientSampleId :
CR-2

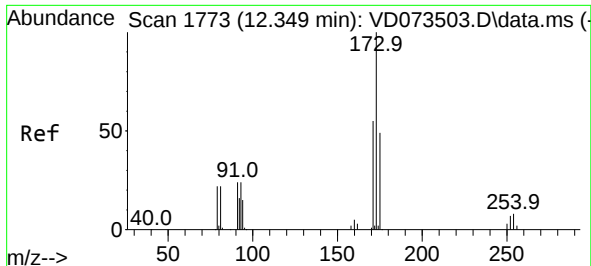
Tgt Ion: 95 Resp: 206517
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 76.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

Tgt Ion: 117 Resp: 454653
Ion Ratio Lower Upper
117 100
82 53.3 45.3 67.9
119 32.2 26.6 40.0

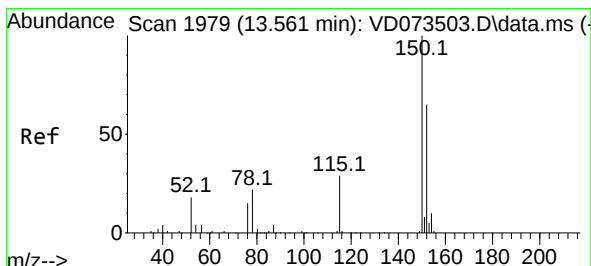
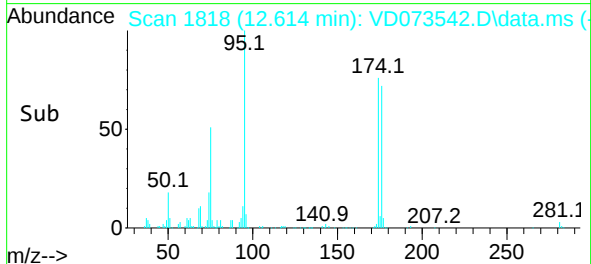
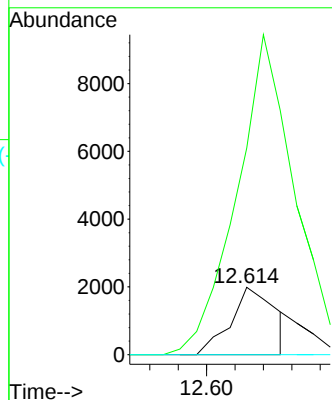
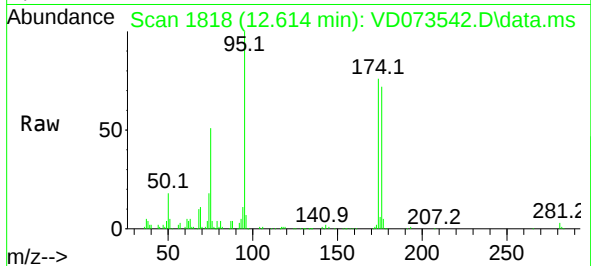




#71
Bromoform
Concen: 1.129 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

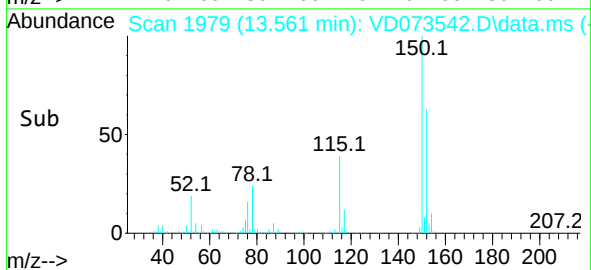
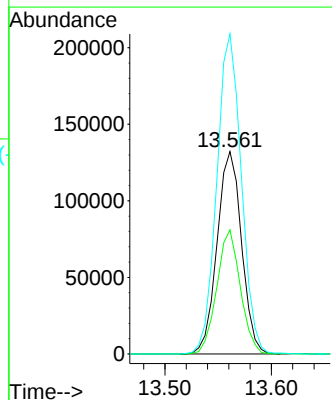
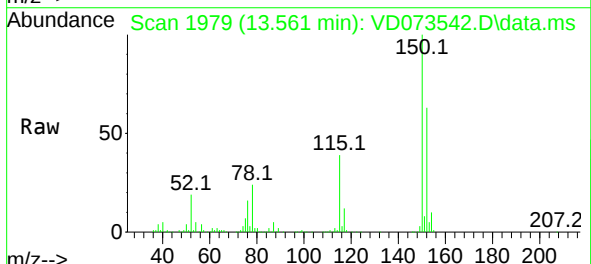
Instrument :
MSVOA_D
ClientSampleId :
CR-2

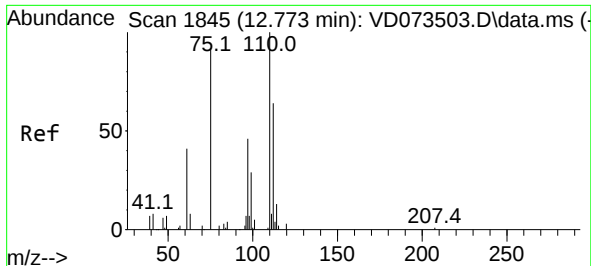
Tgt Ion:173 Resp: 2191
Ion Ratio Lower Upper
173 100
175 474.2 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

Tgt Ion:152 Resp: 210789
Ion Ratio Lower Upper
152 100
115 58.9 31.3 93.8
150 158.5 0.0 348.6

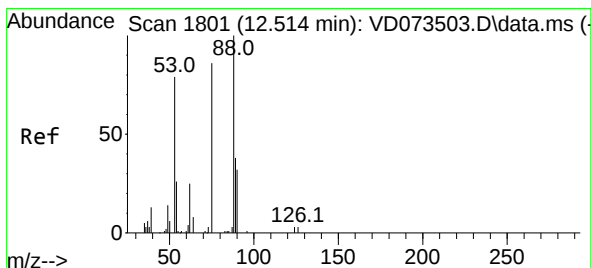
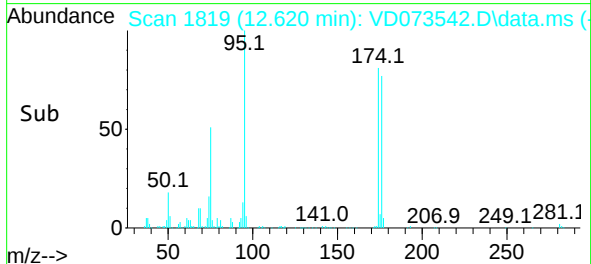
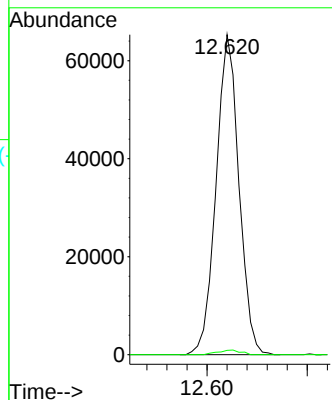
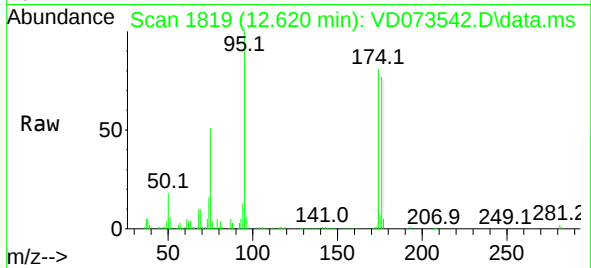




#76
1,2,3-Trichloropropane
Concen: 50.376 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

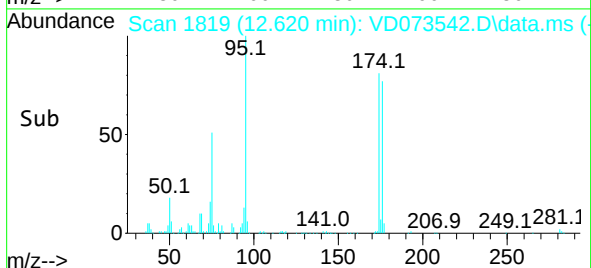
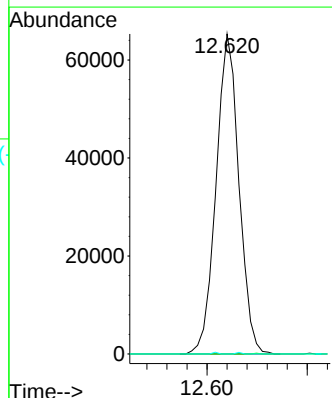
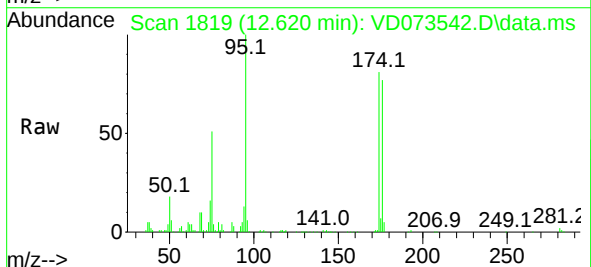
Instrument :
MSVOA_D
ClientSampleId :
CR-2

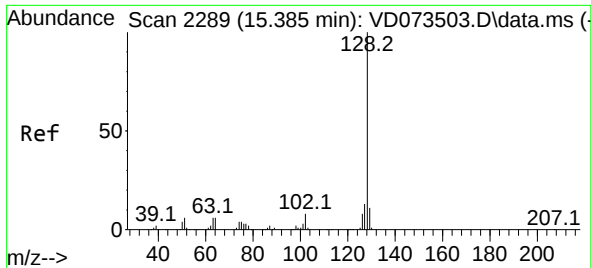
Tgt Ion: 75 Resp: 103156
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.240 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073542.D
Acq: 13 Jun 2022 13:15

Tgt Ion: 75 Resp: 103156
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 4.313 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD073542.D

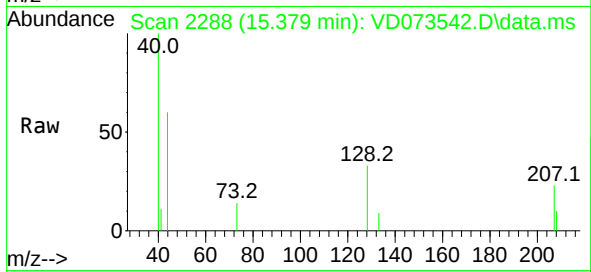
Acq: 13 Jun 2022 13:15

Instrument :

MSVOA_D

ClientSampleId :

CR-2



Tgt Ion:128 Resp: 905

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.4 12.6#

