

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063591.D
 Acq On : 14 Aug 2019 23:02
 Operator : JC/SY
 Sample : K4339-02
 Misc : 5.70µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:03:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	911813	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1302640	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	902227	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	272039	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	448489	46.02	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	92.04%	
35) Dibromofluoromethane	6.93	113	486961	44.39	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	88.78%	
50) Toluene-d8	10.41	98	856539	35.51	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	71.02%	
62) 4-Bromofluorobenzene	13.55	95	272070	24.89	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	49.78%	

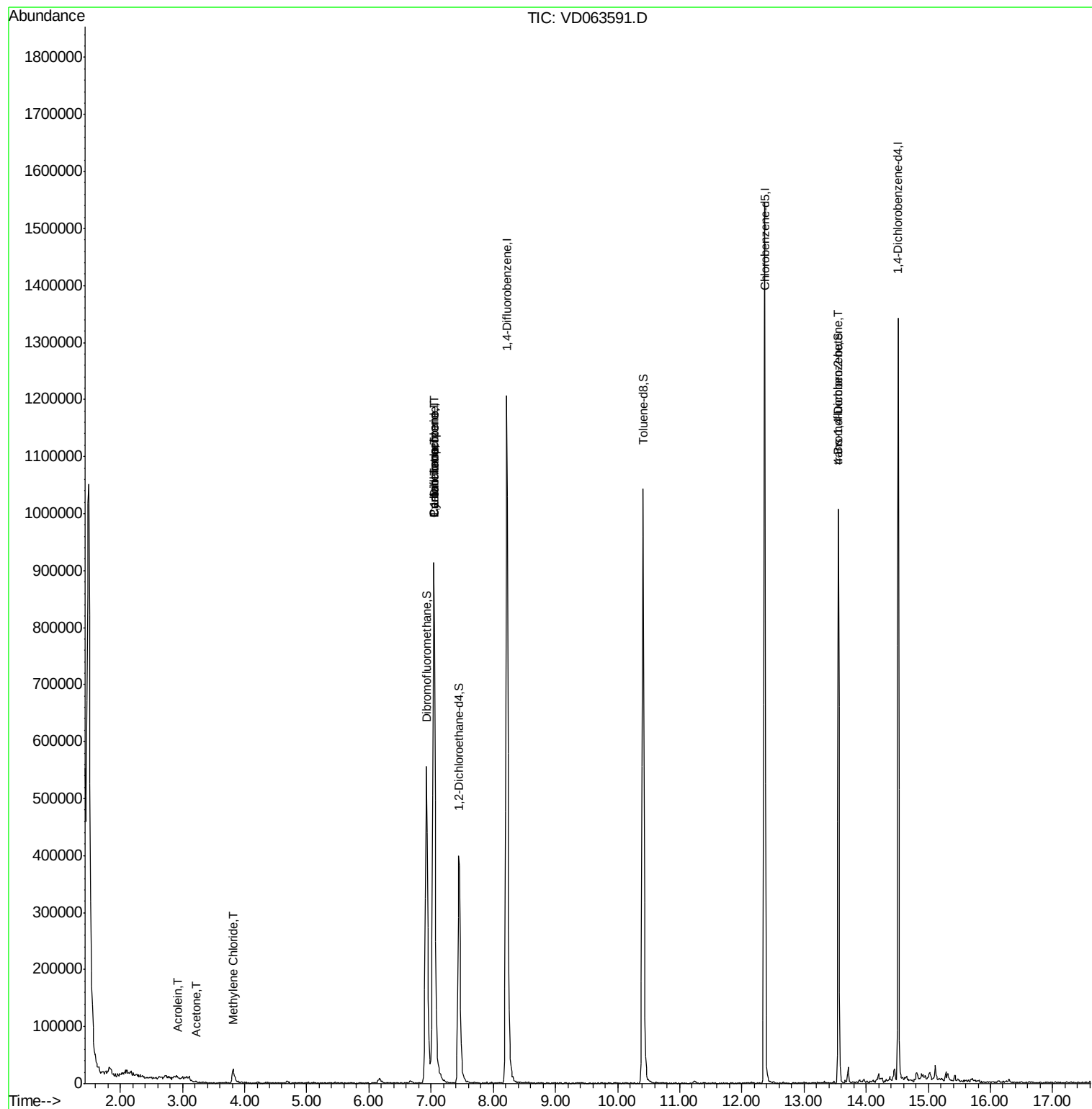
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.93	56	631	1.511	ug/l #	18
16) Acetone	3.22	43	2689	1.357	ug/l #	65
20) Methylene Chloride	3.82	84	15385	1.796	ug/l #	88
31) Cyclohexane	7.04	56	18513	2.104	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	66474	5.773	ug/l #	47
38) Carbon Tetrachloride	7.04	117	85703	4.938	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	127209	151.595	ug/l #	1

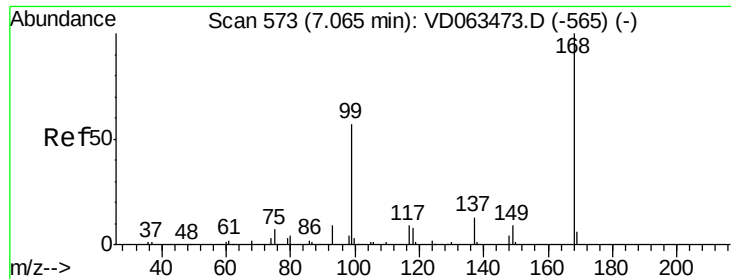
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063591.D

Acq: 14 Aug 2019 23:02

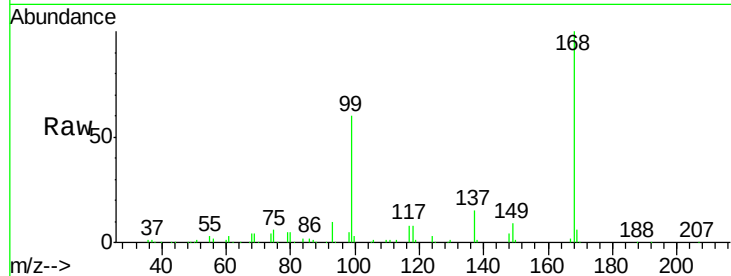
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 911813

Ion Ratio Lower Upper

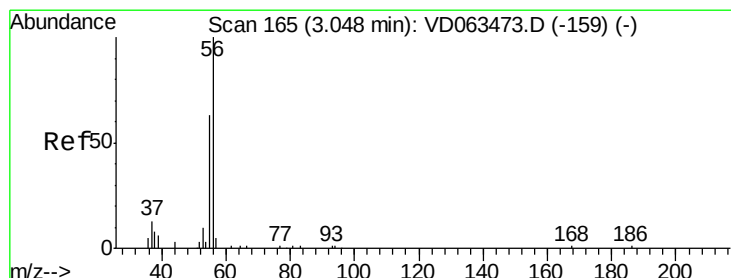
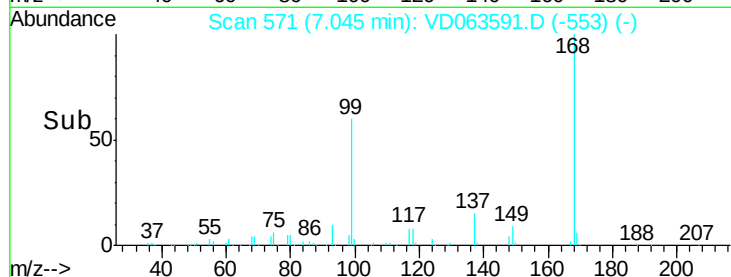
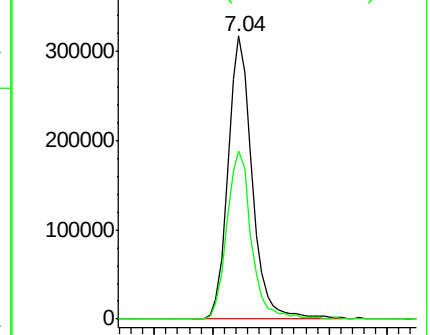
168 100

99 59.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 1.511 ug/l

RT: 2.93 min Scan# 153

Delta R.T. -0.12 min

Lab File: VD063591.D

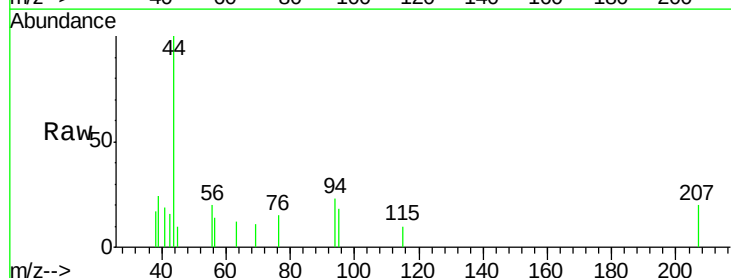
Acq: 14 Aug 2019 23:02

Tgt Ion: 56 Resp: 631

Ion Ratio Lower Upper

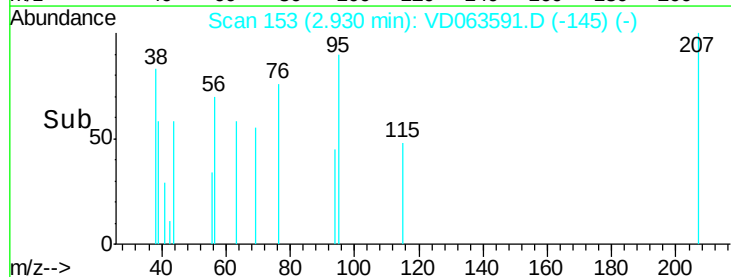
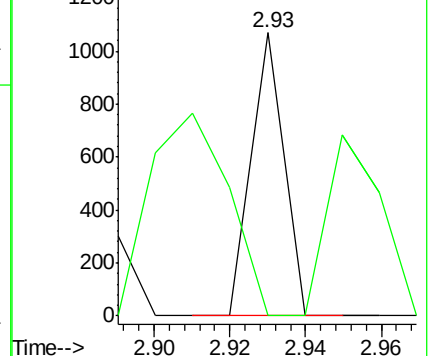
56 100

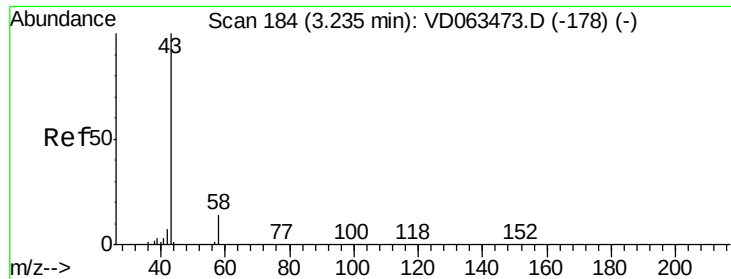
55 0.0 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.357 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063591.D

Acq: 14 Aug 2019 23:02

Instrument :

MSVOA_D

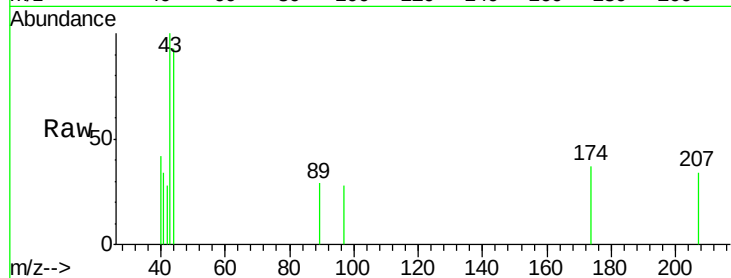
ClientSampleId :

Tot Ion: 43 Resp: 2689

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

1200

1000

800

600

400

200

0

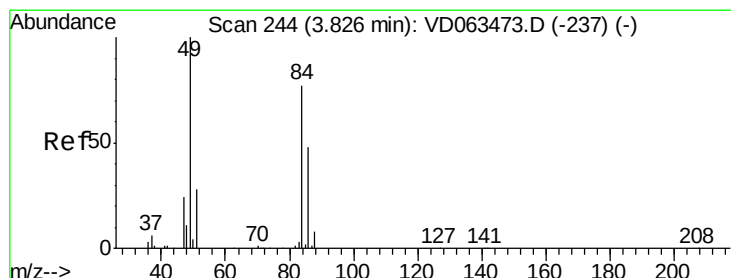
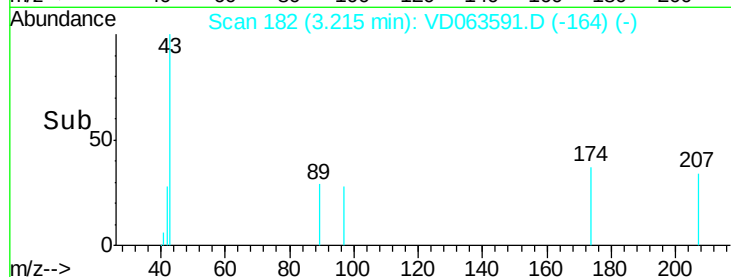
Time-->

3.15

3.20

3.25

3.30



#20

Methylene Chloride

Concen: 1.796 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD063591.D

Acq: 14 Aug 2019 23:02

Tgt Ion: 84 Resp: 15385

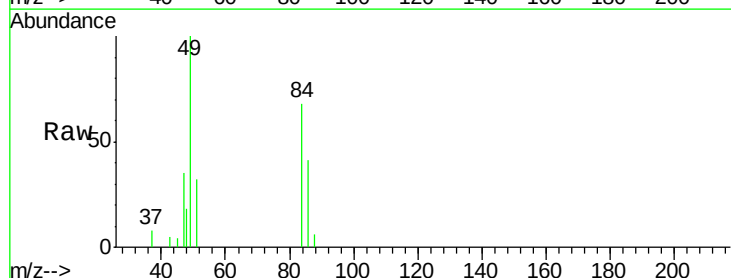
Ion Ratio Lower Upper

84 100

49 147.5 103.4 155.2

51 47.1 28.5 42.7#

86 60.9 49.4 74.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

12000

10000

8000

6000

4000

2000

0

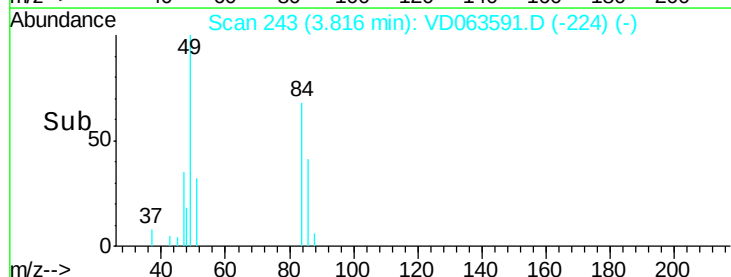
Time-->

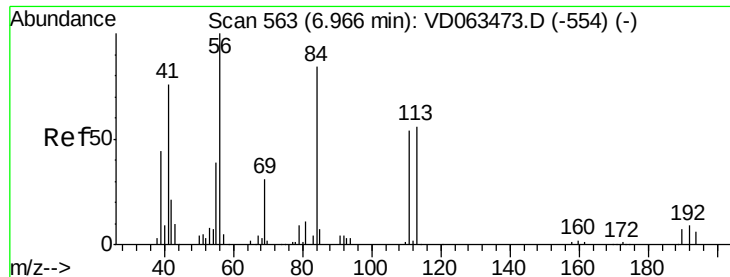
3.75

3.80

3.85

3.90

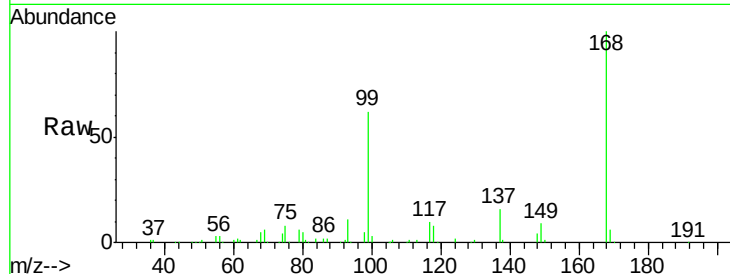




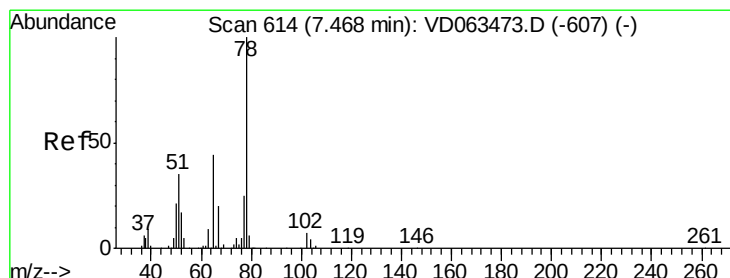
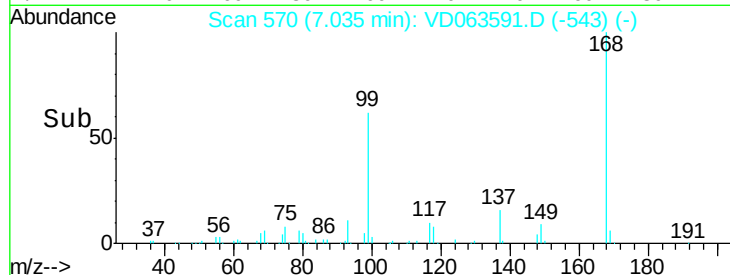
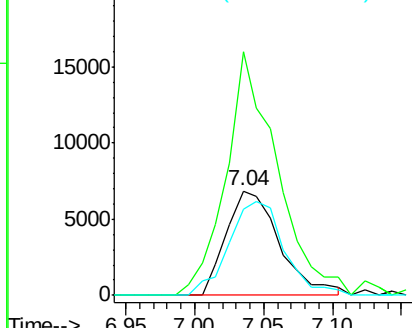
#31
Cyclohexane
Concen: 2.104 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063591.D
Acq: 14 Aug 2019 23:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 18513
Ion Ratio Lower Upper
56 100
69 240.6 25.0 37.6#
84 82.8 69.7 104.5

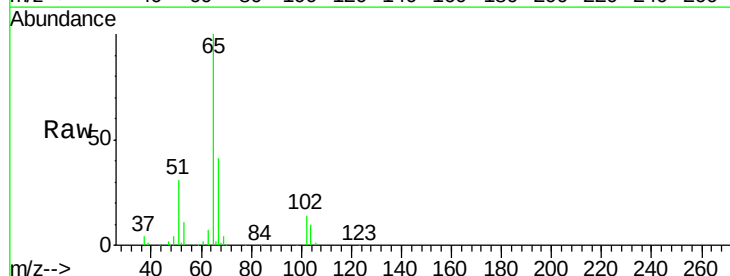


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

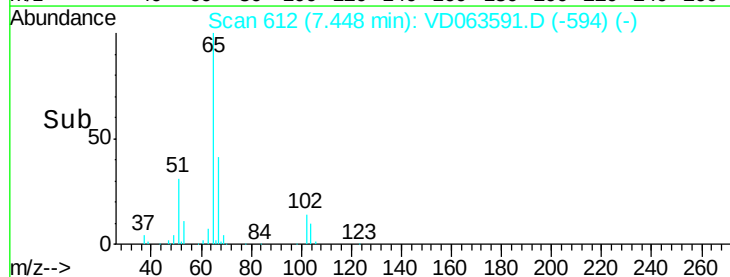
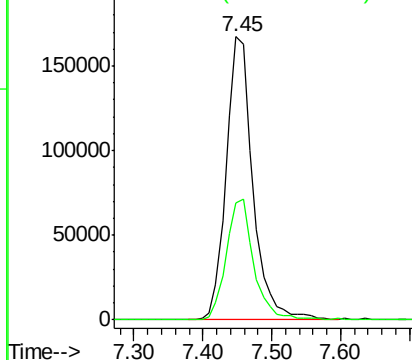


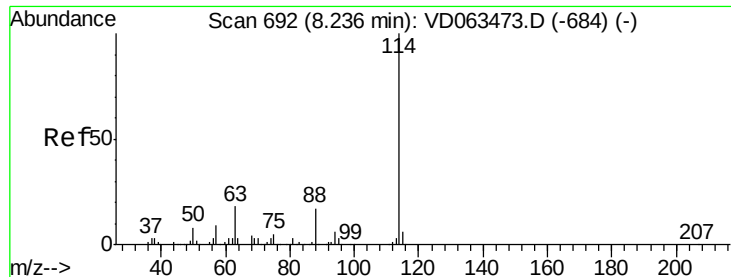
#33
1,2-Dichloroethane-d4
Concen: 46.015 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063591.D
Acq: 14 Aug 2019 23:02

Tgt Ion: 65 Resp: 448489
Ion Ratio Lower Upper
65 100
67 41.5 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063591.D

Acq: 14 Aug 2019 23:02

Instrument :

MSVOA_D

ClientSampleId :

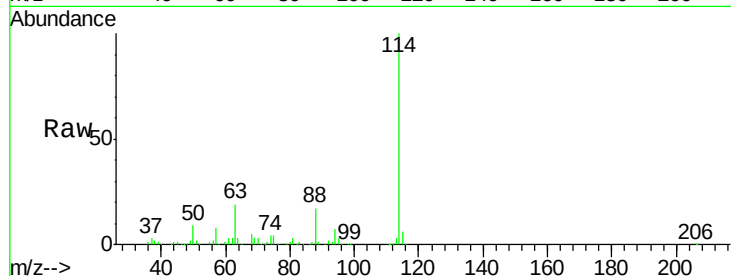
Tot Ion:114 Resp: 1302640

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.2

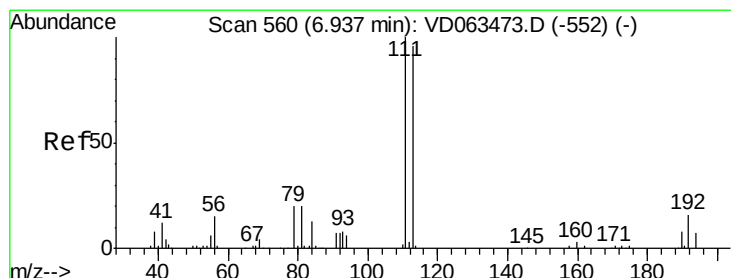
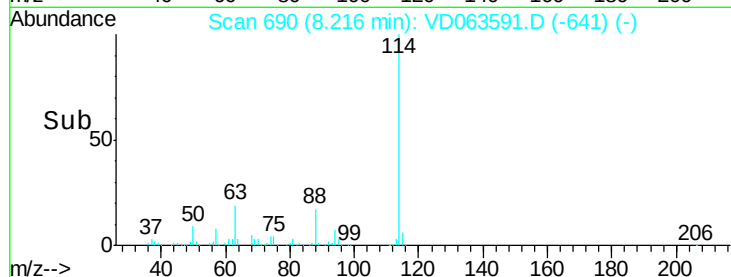
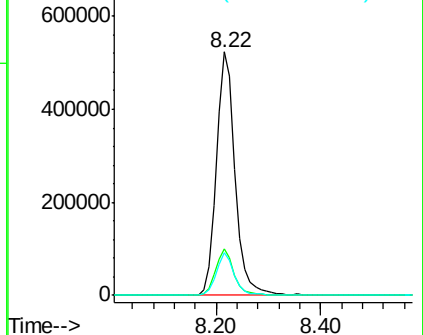
88 17.3 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 44.387 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063591.D

Acq: 14 Aug 2019 23:02

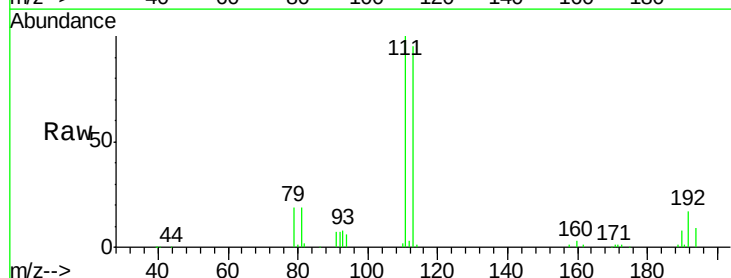
Tgt Ion:113 Resp: 486961

Ion Ratio Lower Upper

113 100

111 105.1 83.1 124.7

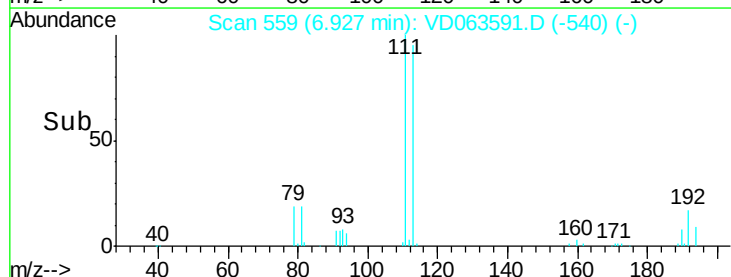
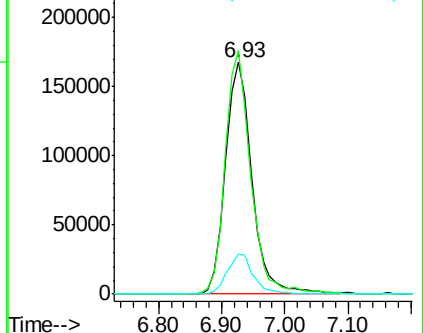
192 17.4 13.1 19.7

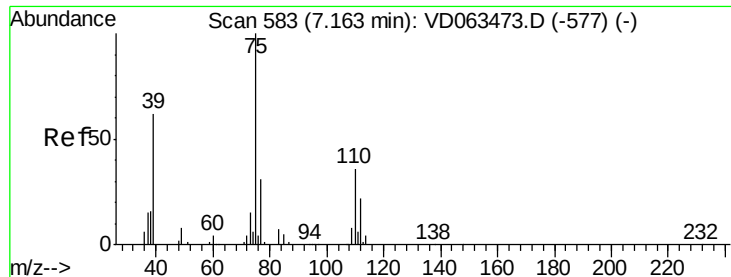


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

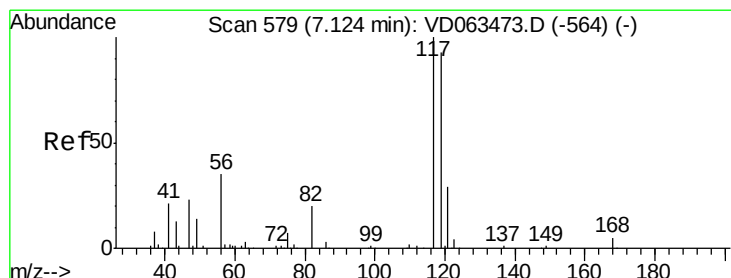
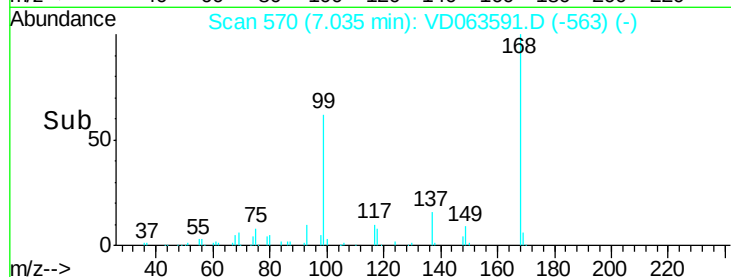
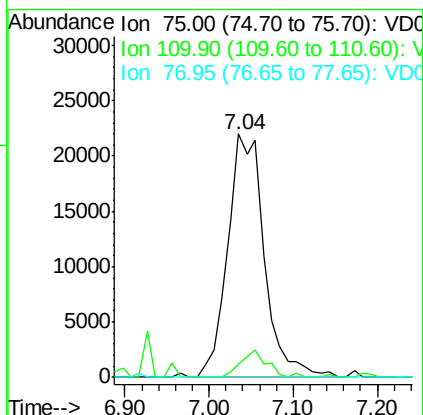
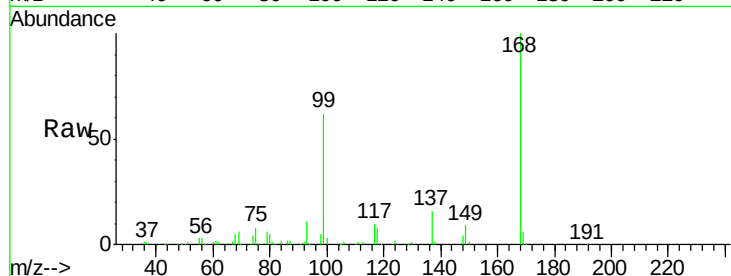




#36
 1,1-Dichloropropene
 Concen: 5.773 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063591.D
 Acq: 14 Aug 2019 23:02

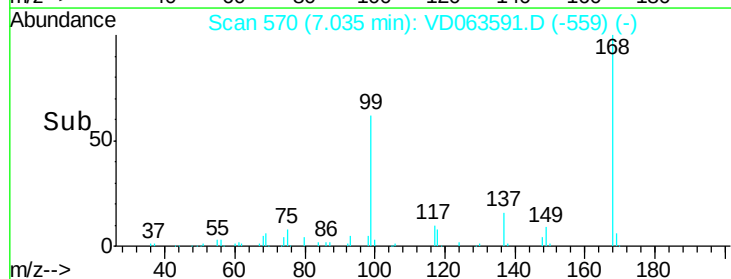
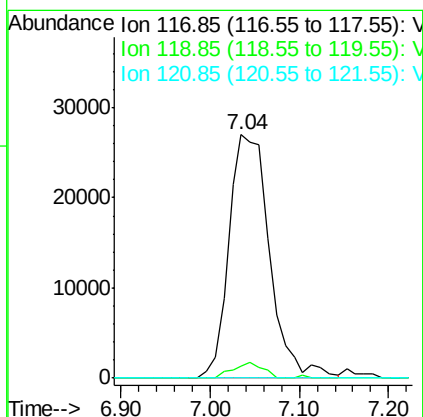
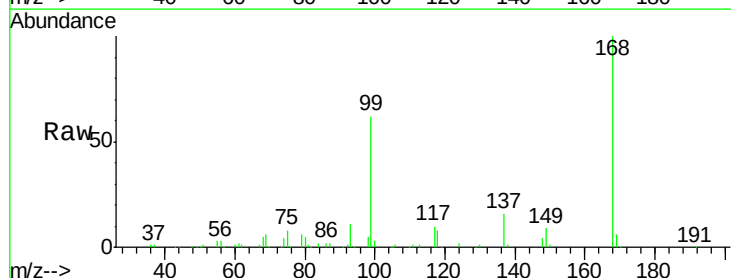
Instrument :
 MSVOA_D
 ClientSampleId :

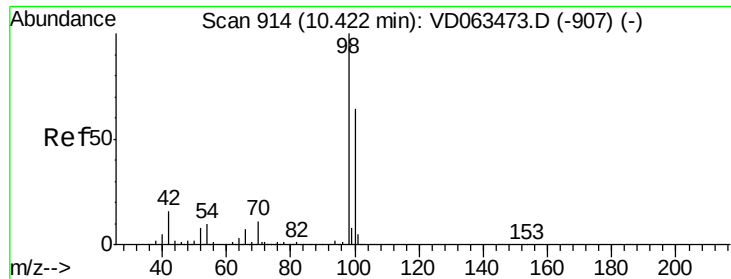
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.6	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 4.938 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063591.D
 Acq: 14 Aug 2019 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	74.2	111.2#
121	0.0	23.1	34.7#

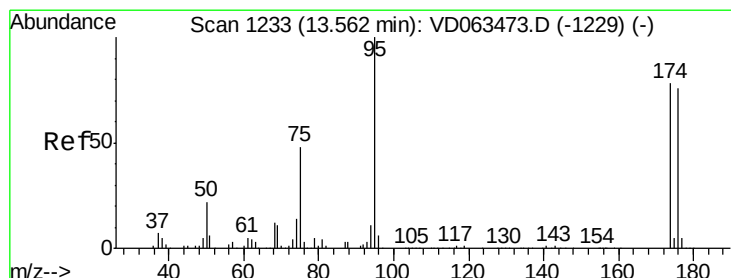
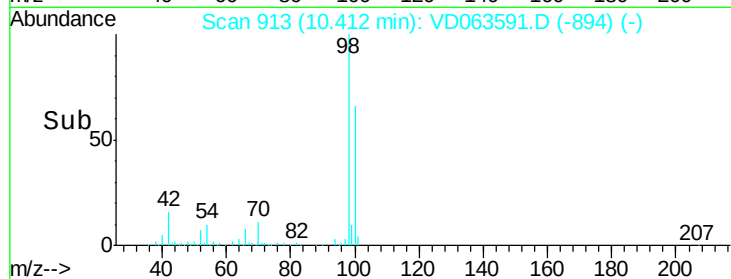
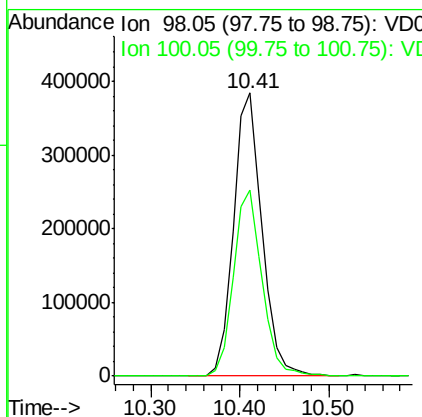
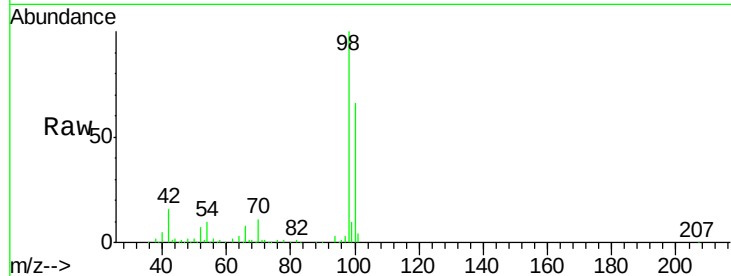




#50
Toluene-d8
Concen: 35.511 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063591.D
Acq: 14 Aug 2019 23:02

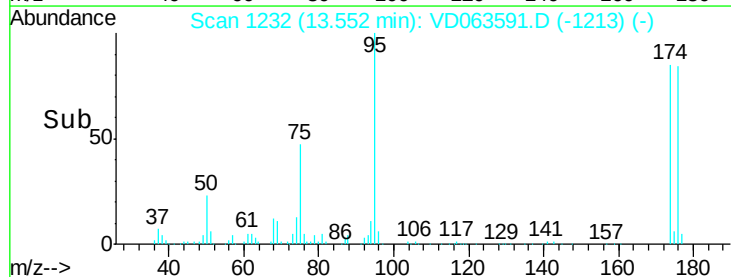
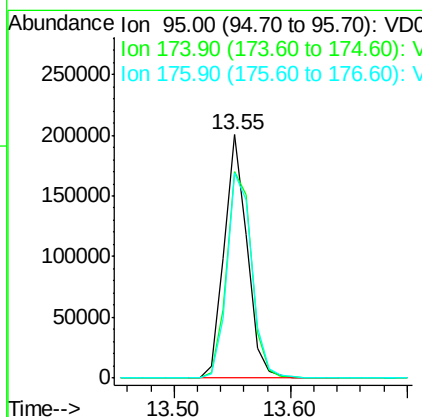
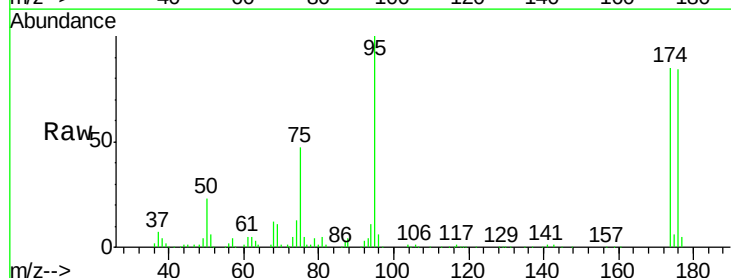
Instrument :
MSVOA_D
ClientSampleId :

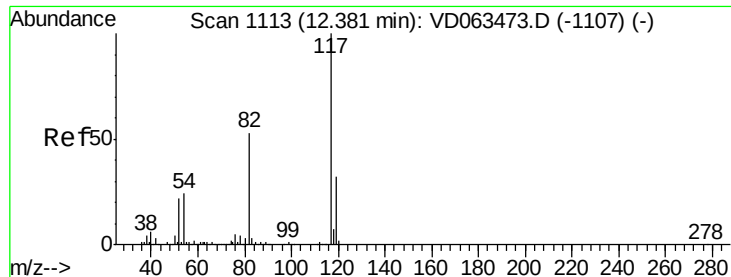
Tot Ion: 98 Resp: 856539
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 24.887 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063591.D
Acq: 14 Aug 2019 23:02

Tgt Ion: 95 Resp: 272070
Ion Ratio Lower Upper
95 100
174 84.9 0.0 155.4
176 84.3 0.0 152.4

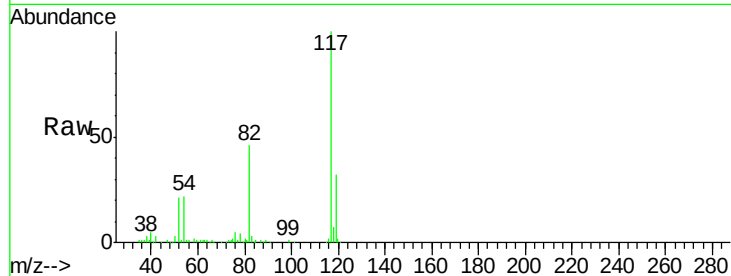




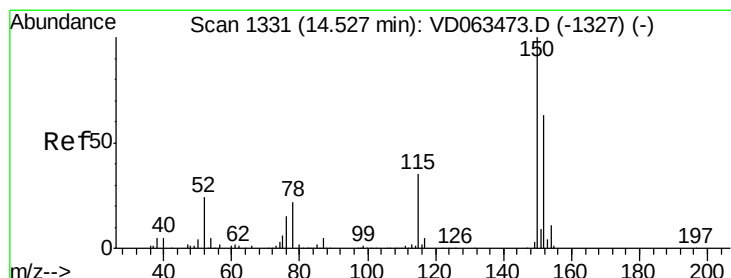
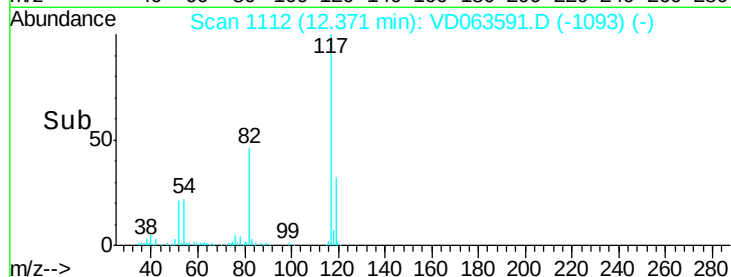
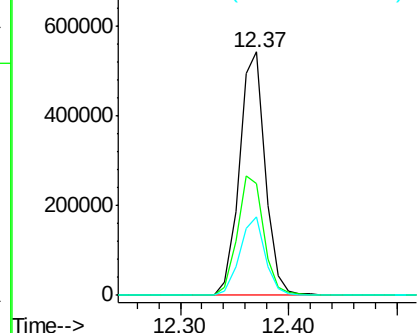
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063591.D
Acq: 14 Aug 2019 23:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 902227
Ion Ratio Lower Upper
117 100
82 45.7 42.0 63.0
119 32.4 25.4 38.0

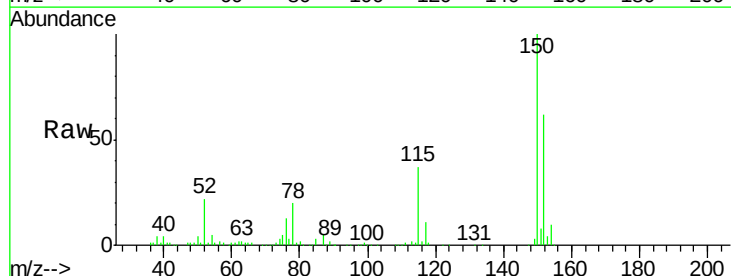


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

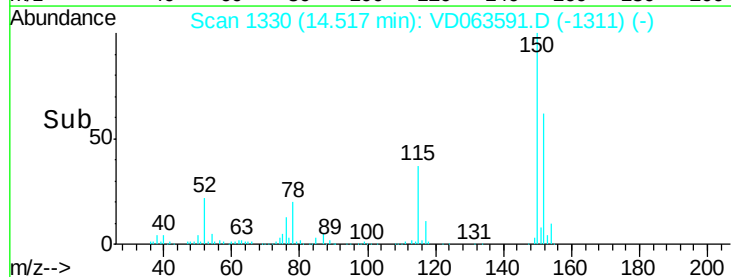
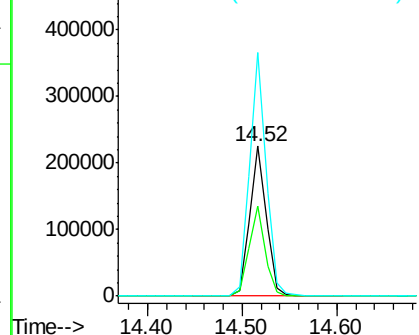


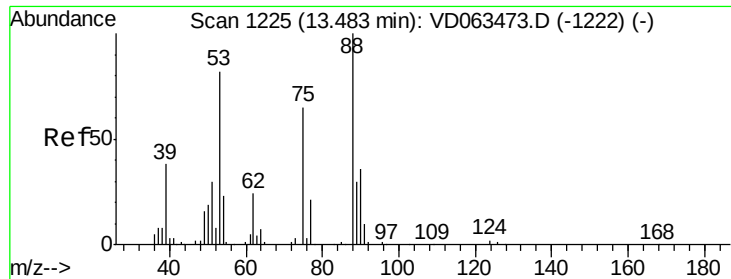
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063591.D
Acq: 14 Aug 2019 23:02

Tgt Ion:152 Resp: 272039
Ion Ratio Lower Upper
152 100
115 60.0 30.9 92.7
150 162.3 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 151.595 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063591.D

Acq: 14 Aug 2019 23:02

Instrument :

MSVOA_D

ClientSampleId :

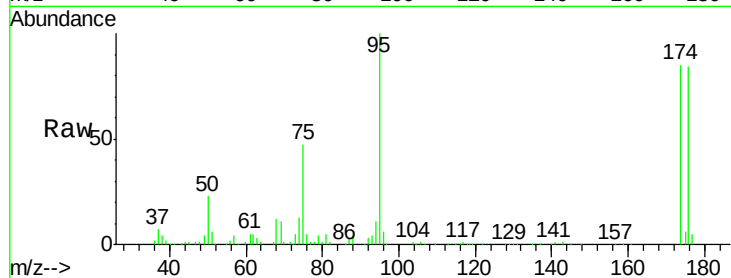
Tot Ion: 75 Resp: 127209

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

