

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063263.D
 Acq On : 31 Jul 2019 3:22
 Operator : VA/AP
 Sample : K4044-09RE
 Misc : 4.89g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Jul 31 05:01:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1131792	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1525683	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1214479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	570804	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	424053	33.77	ug/l	0.01
Spiked Amount			Recovery	=	67.54%	
35) Dibromofluoromethane	6.93	113	472320	36.26	ug/l	0.02
Spiked Amount			Recovery	=	72.52%	
50) Toluene-d8	10.40	98	1001495	34.35	ug/l	0.00
Spiked Amount			Recovery	=	68.70%	
62) 4-Bromofluorobenzene	13.55	95	437431	32.93	ug/l	0.00
Spiked Amount			Recovery	=	65.86%	

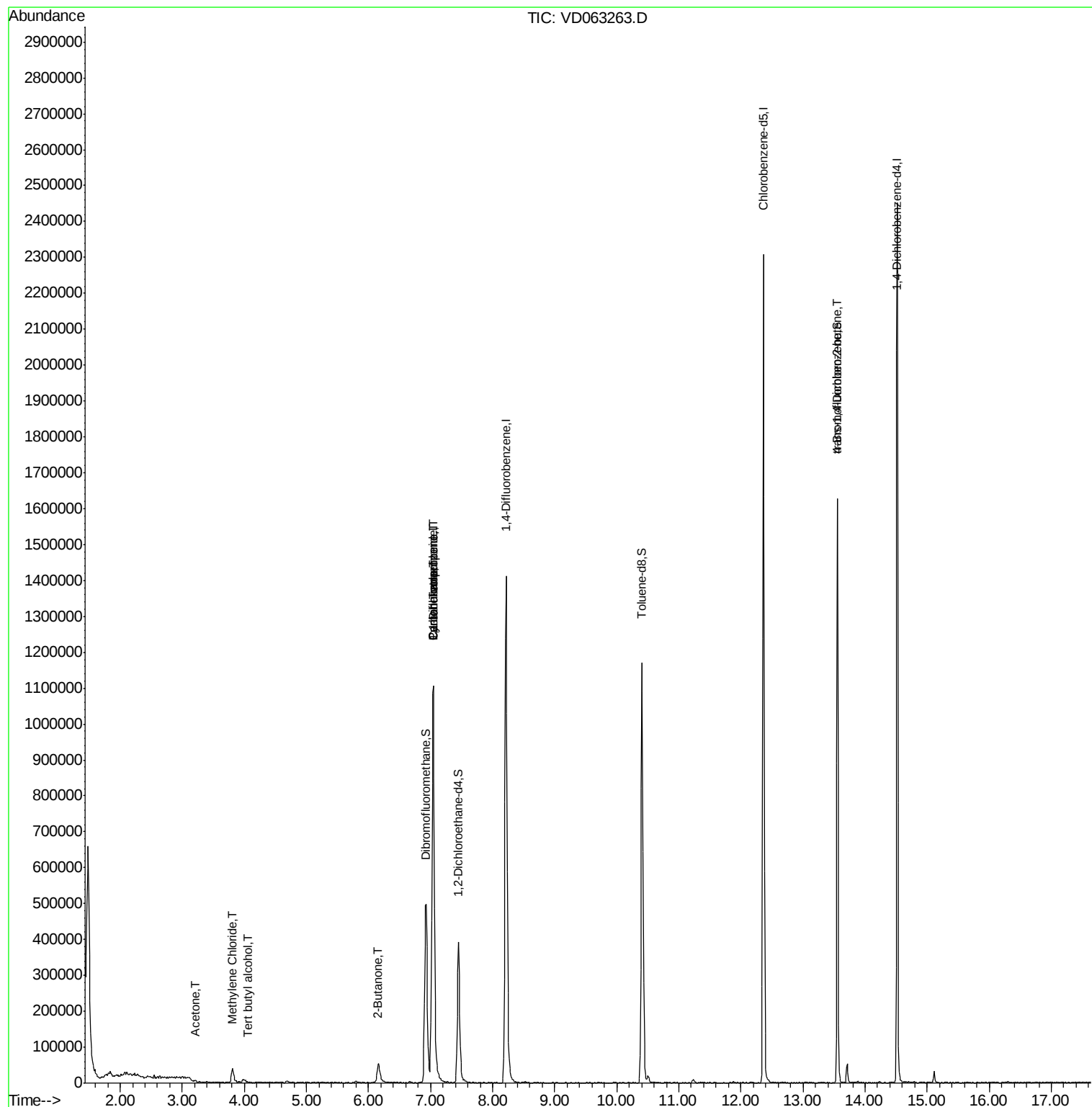
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1077	1.954	ug/l #	69
16) Acetone	3.22	43	4582	1.873	ug/l #	62
20) Methylene Chloride	3.82	84	22009	2.225	ug/l #	81
25) 2-Butanone	6.15	43	4197	1.709	ug/l #	56
31) Cyclohexane	7.05	56	25064	2.241	ug/l #	3
36) 1,1-Dichloropropene	7.04	75	86650	6.223	ug/l #	50
38) Carbon Tetrachloride	7.05	117	113369	5.408	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.55	75	200335	105.229	ug/l #	3

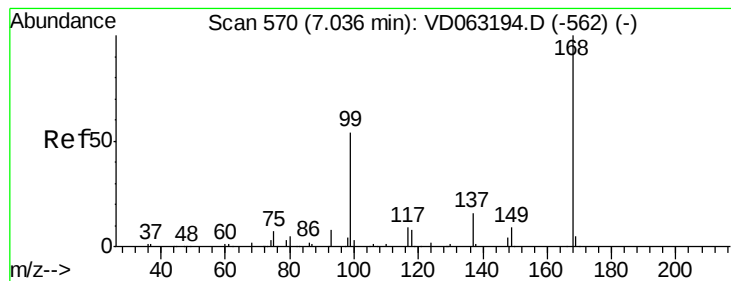
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

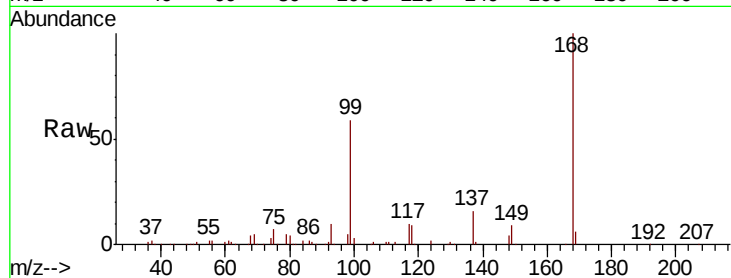
Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion:168 Resp: 1131792

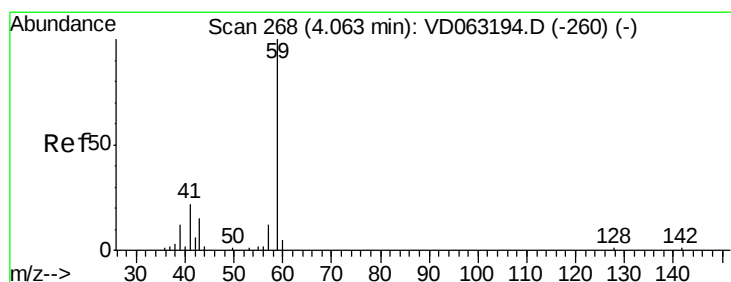
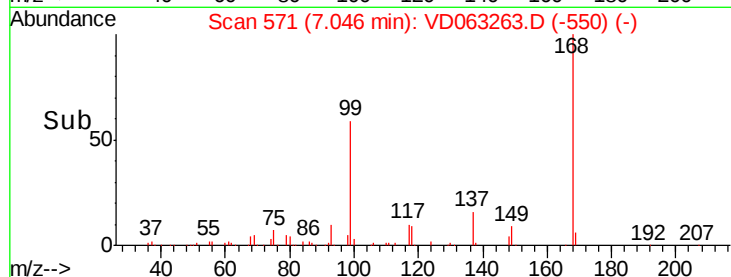
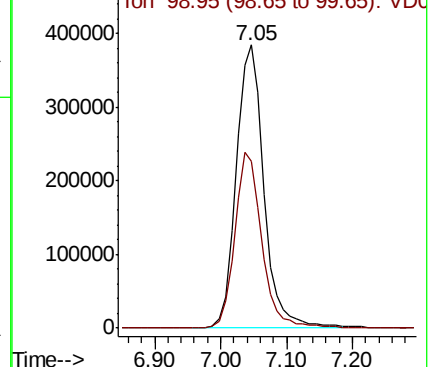
Ion Ratio Lower Upper

168 100

99 58.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V



#11

Tert butyl alcohol

Concen: 1.954 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD063263.D

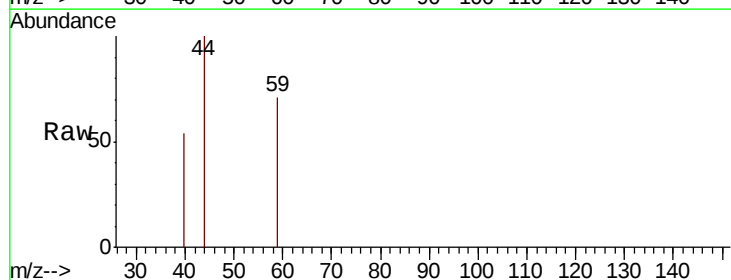
Acq: 31 Jul 2019 3:22

Tgt Ion: 59 Resp: 1077

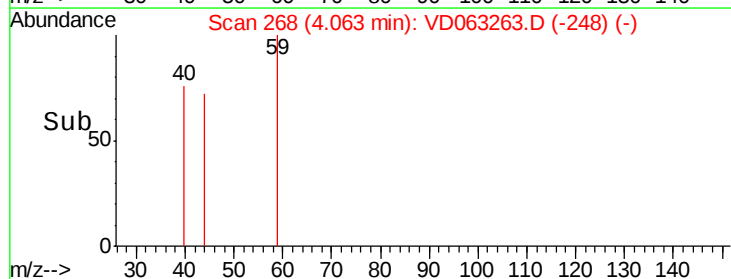
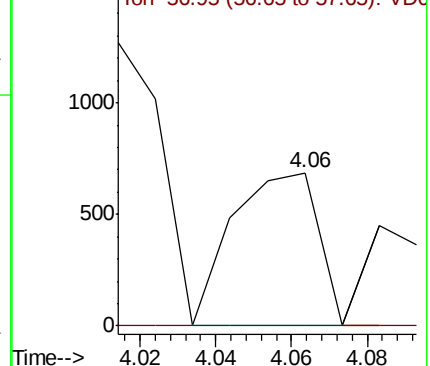
Ion Ratio Lower Upper

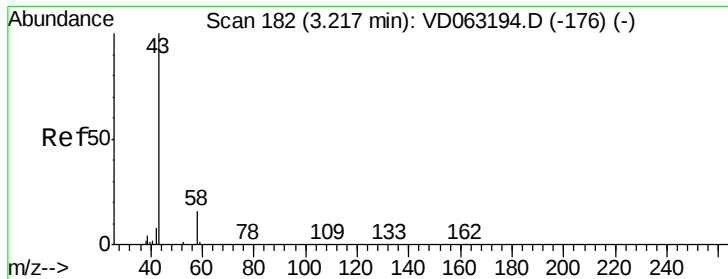
59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC





#16

Acetone

Concen: 1.873 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

Instrument :

MSVOA_D

ClientSampled :

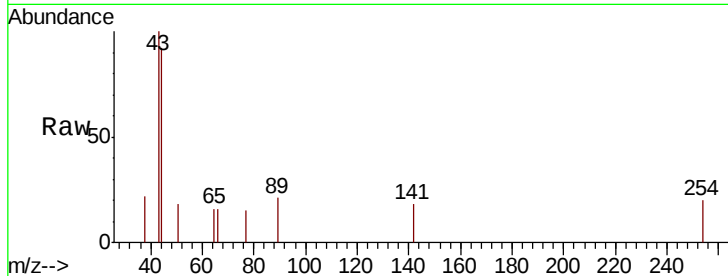
TP-1

Tot Ion: 43 Resp: 4582

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

2500

2000

1500

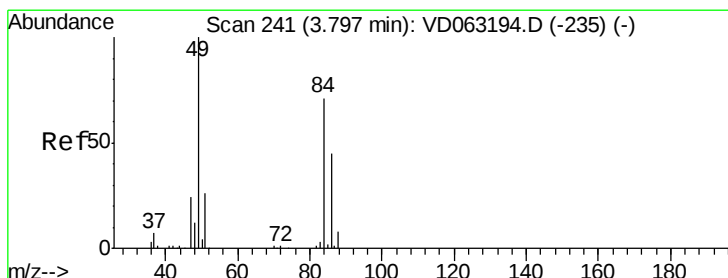
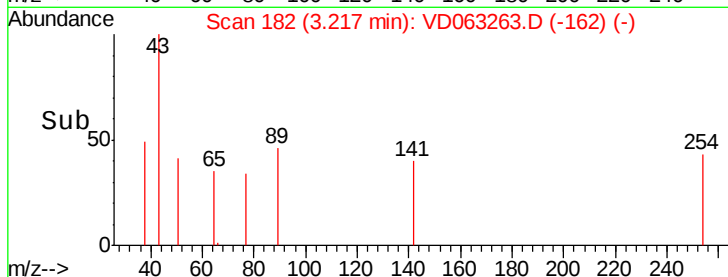
1000

500

0

Time-->

3.15 3.20 3.25



#20

Methylene Chloride

Concen: 2.225 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

Tgt Ion: 84 Resp: 22009

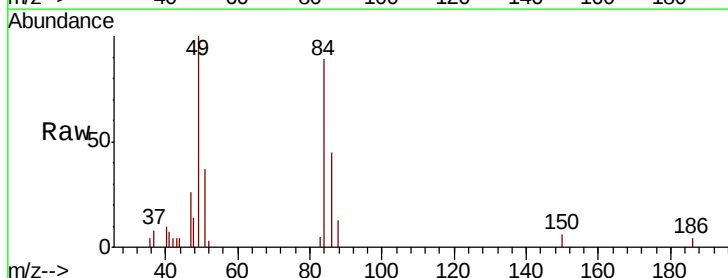
Ion Ratio Lower Upper

84 100

49 112.2 112.5 168.7#

51 41.9 29.6 44.4

86 50.3 50.4 75.6#



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

15000

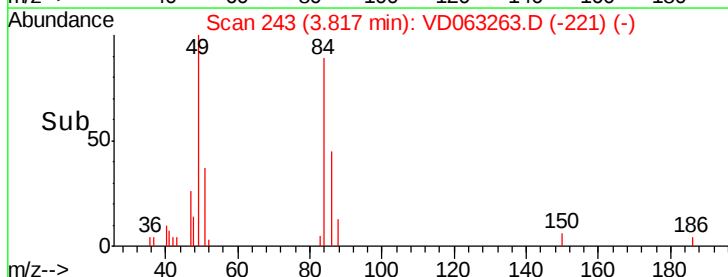
10000

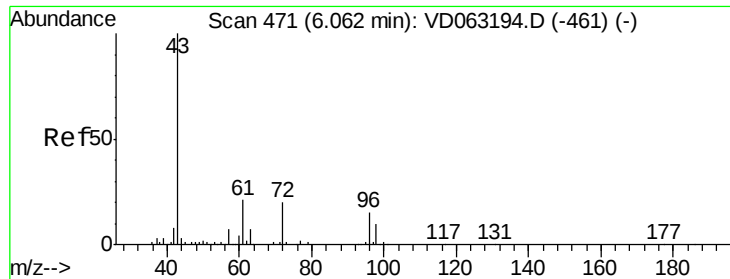
5000

0

Time-->

3.75 3.80 3.85 3.90





#25

2-Butanone

Concen: 1.709 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.09 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

Instrument :

MSVOA_D

ClientSampled :

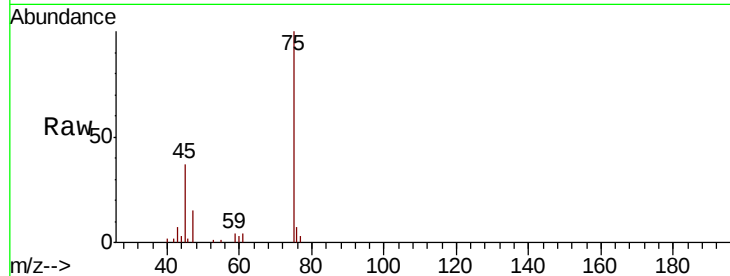
TP-1

Tot Ion: 43 Resp: 4197

Ion Ratio Lower Upper

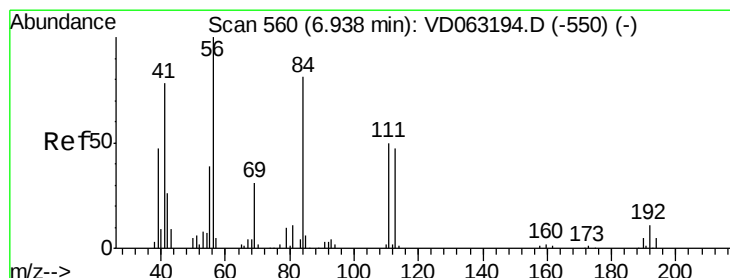
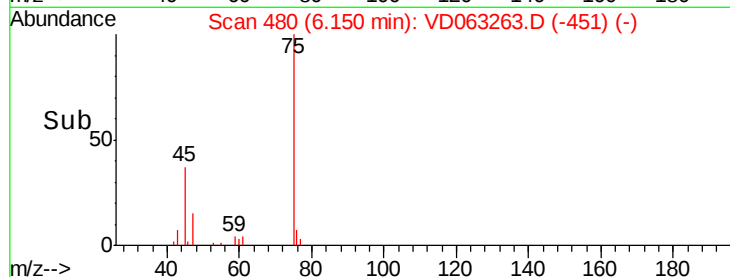
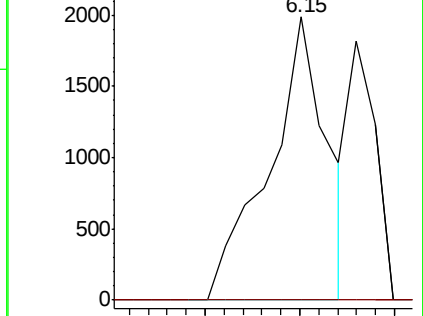
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.241 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

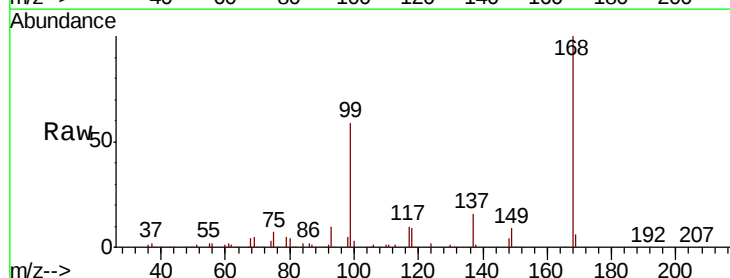
Tgt Ion: 56 Resp: 25064

Ion Ratio Lower Upper

56 100

69 222.8 24.5 36.7#

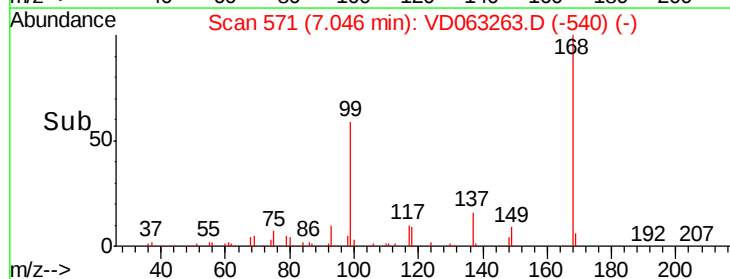
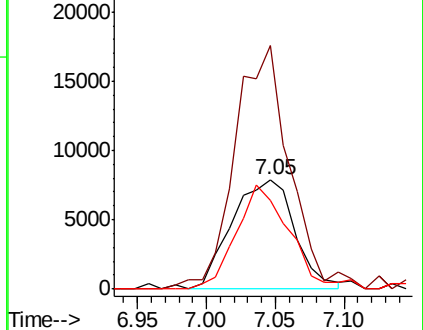
84 81.6 64.9 97.3

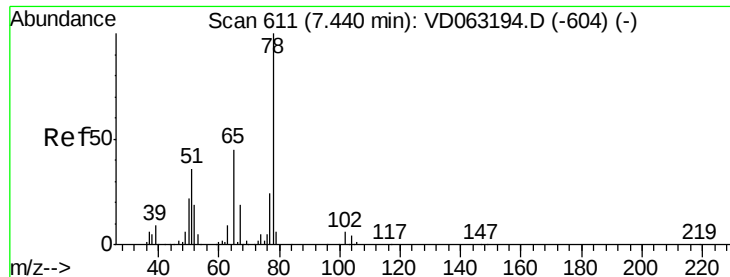


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 33.767 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

Instrument :

MSVOA_D

ClientSampleId :

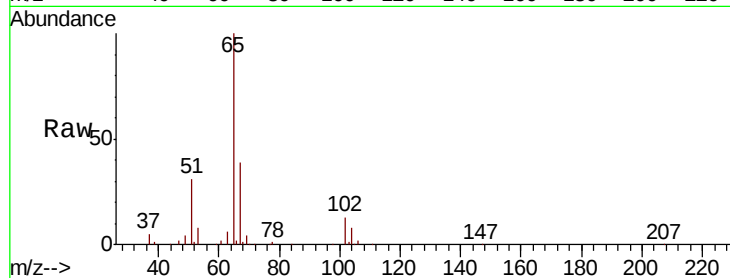
TP-1

Tot Ion: 65 Resp: 424053

Ion Ratio Lower Upper

65 100

67 39.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

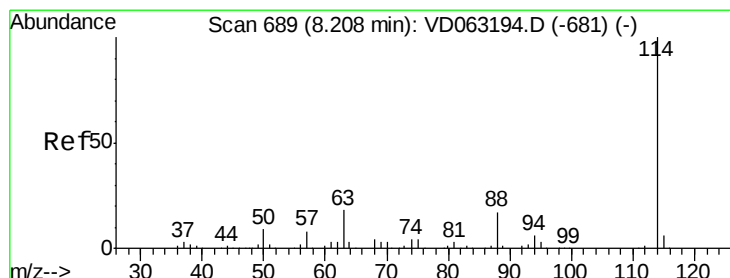
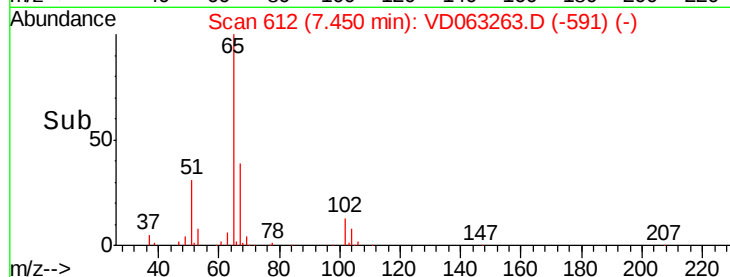
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

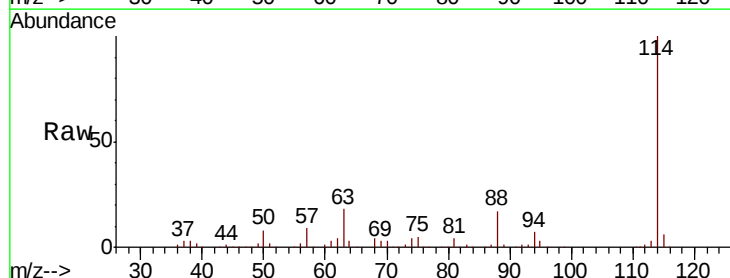
Tgt Ion: 114 Resp: 1525683

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 17.4 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

800000

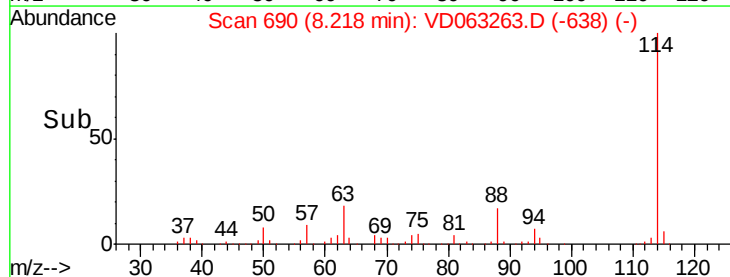
600000

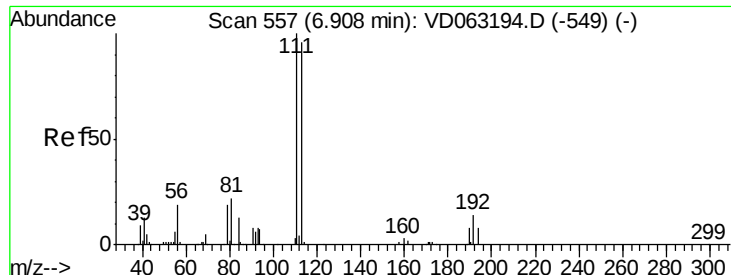
400000

200000

0

Time-->

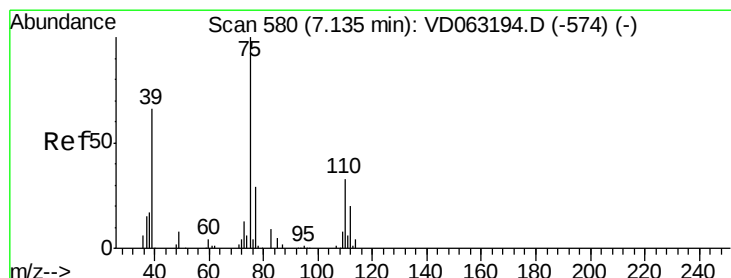
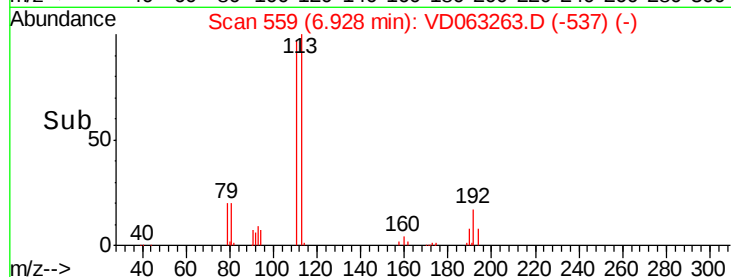
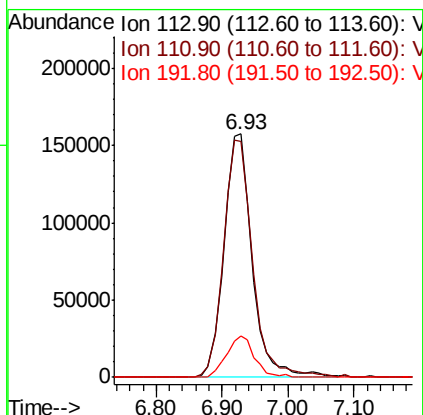
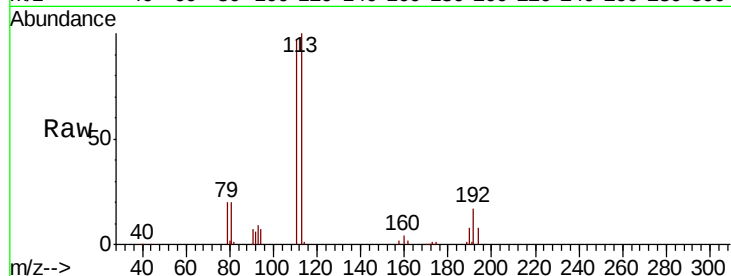




#35
 Dibromofluoromethane
 Concen: 36.260 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063263.D
 Acq: 31 Jul 2019 3:22

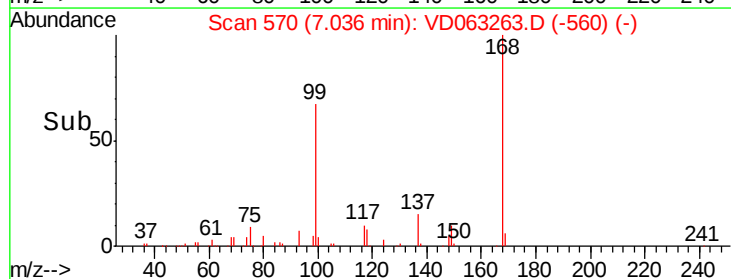
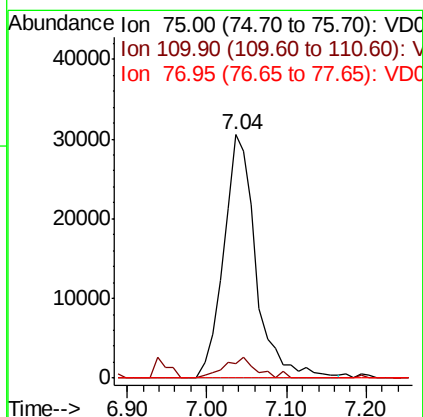
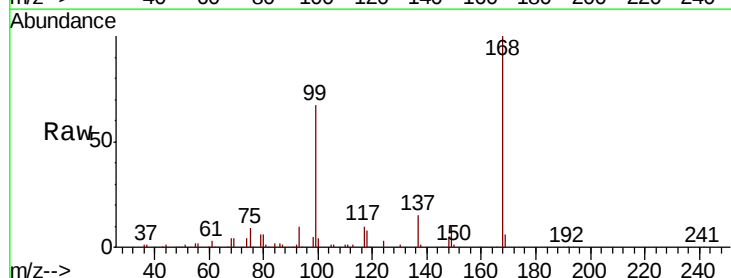
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

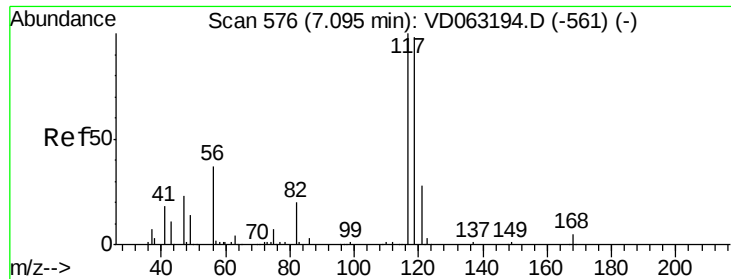
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.7	83.2	124.8
192	16.9	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.223 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063263.D
 Acq: 31 Jul 2019 3:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.9	16.1	48.2#
77	0.0	22.7	34.1#





#38

Carbon Tetrachloride

Concen: 5.408 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

Instrument :

MSVOA_D

ClientSampleId :

TP-1

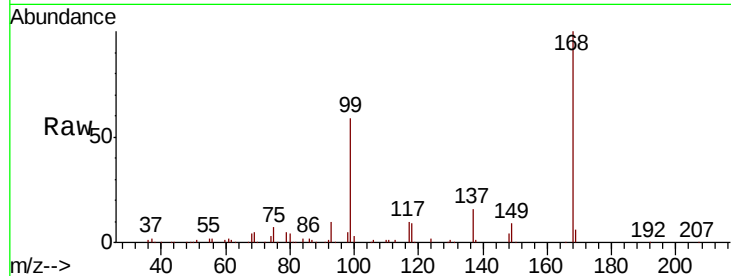
Tot Ion:117 Resp: 113369

Ion Ratio Lower Upper

117 100

119 2.1 78.2 117.2#

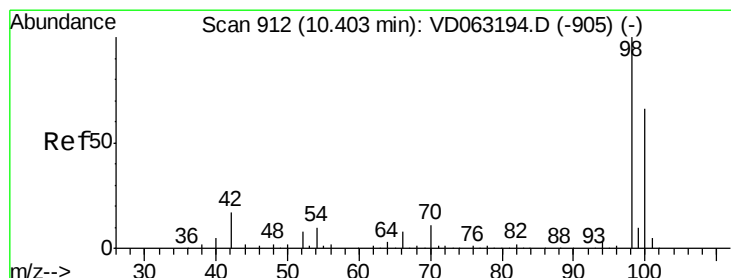
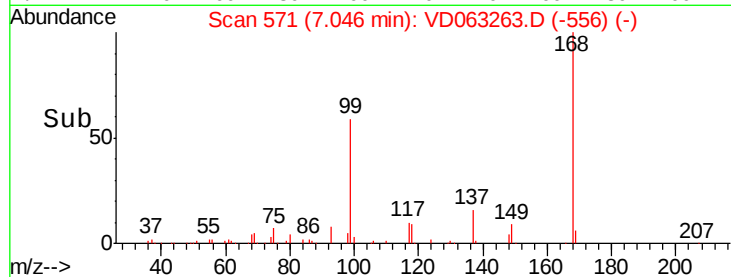
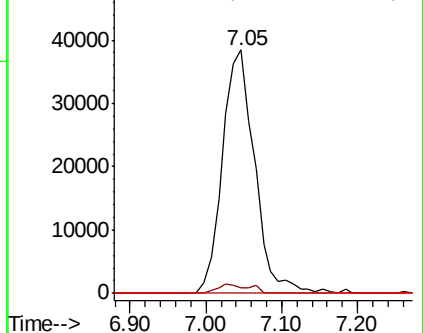
121 0.0 22.1 33.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 34.354 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063263.D

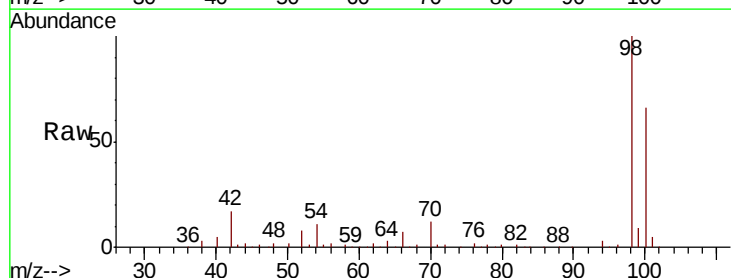
Acq: 31 Jul 2019 3:22

Tgt Ion: 98 Resp: 1001495

Ion Ratio Lower Upper

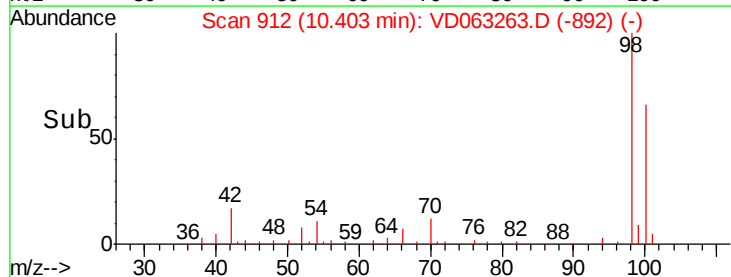
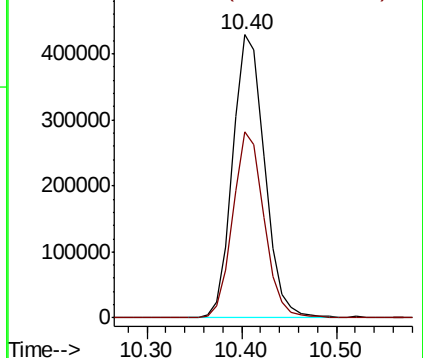
98 100

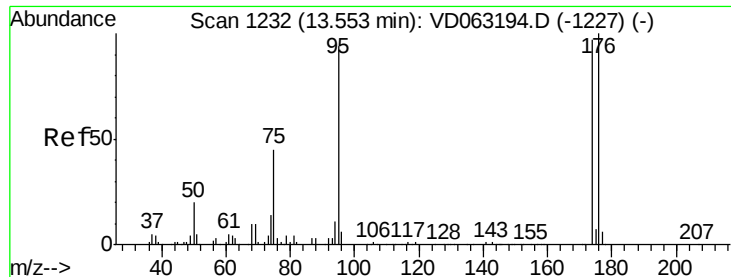
100 65.9 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

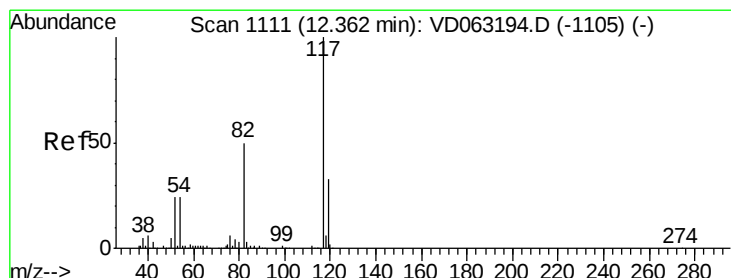
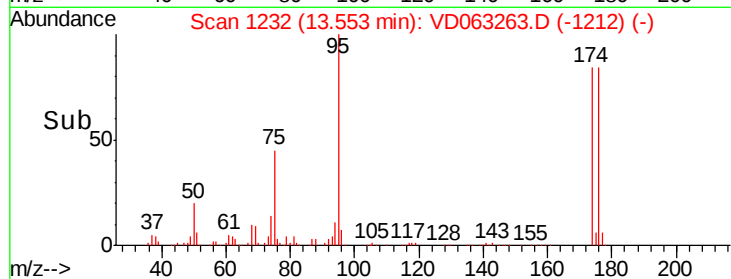
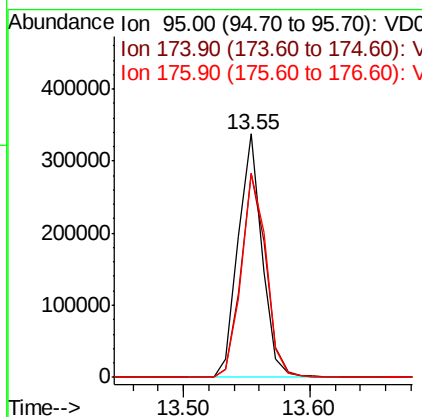
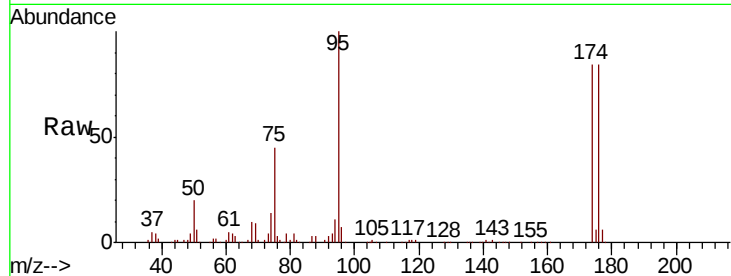




#62
4-Bromofluorobenzene
Concen: 32.928 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063263.D
Acq: 31 Jul 2019 3:22

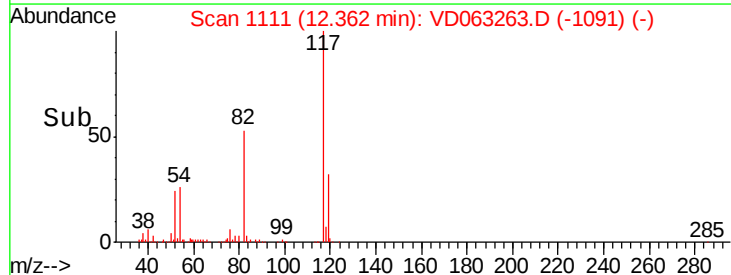
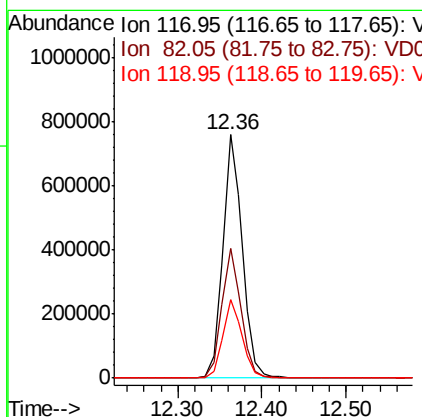
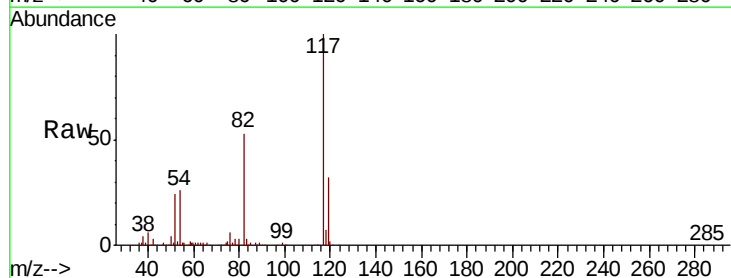
Instrument :
MSVOA_D
ClientSampleId :
TP-1

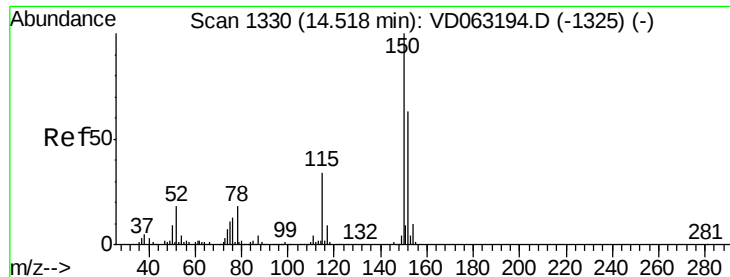
Tot Ion: 95 Resp: 437431
Ion Ratio Lower Upper
95 100
174 83.8 0.0 205.4
176 83.8 0.0 211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063263.D
Acq: 31 Jul 2019 3:22

Tgt Ion: 117 Resp: 1214479
Ion Ratio Lower Upper
117 100
82 53.5 40.1 60.1
119 32.1 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

Instrument :

MSVOA_D

ClientSampleId :

TP-1

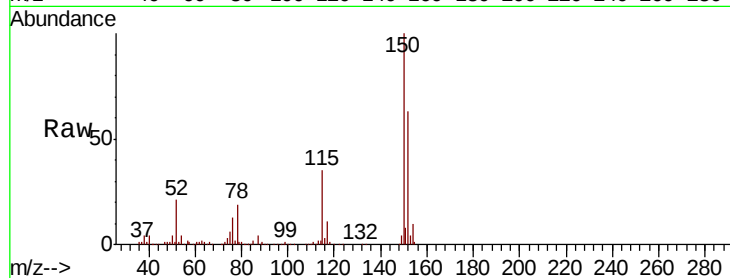
Tot Ion:152 Resp: 570804

Ion Ratio Lower Upper

152 100

115 55.8 27.5 82.4

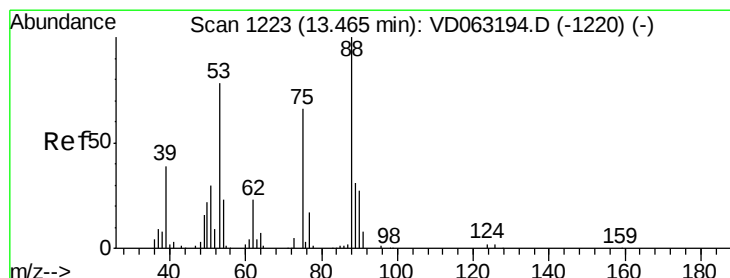
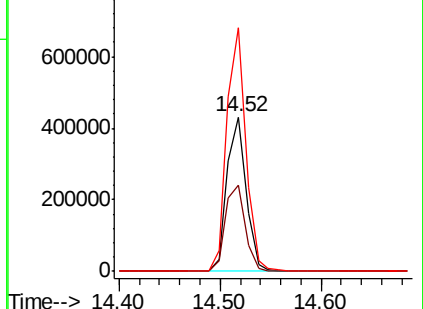
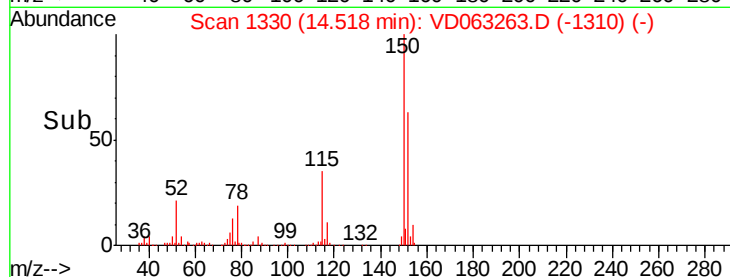
150 157.7 0.0 320.6



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: 105.229 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063263.D

Acq: 31 Jul 2019 3:22

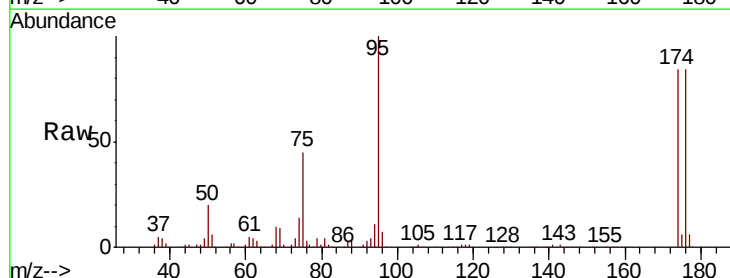
Tgt Ion: 75 Resp: 200335

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

