

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063245.D
 Acq On : 30 Jul 2019 16:48
 Operator : VA/AP
 Sample : K4049-03RE
 Misc : 4.26g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3RE

Quant Time: Jul 31 04:56:21 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	7.04	168	855004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1117914	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	777825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	265131	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	372566	39.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.54%	
35) Dibromofluoromethane	6.92	113	431758	45.24	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	90.48%	
50) Toluene-d8	10.40	98	810868	37.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.92%	
62) 4-Bromofluorobenzene	13.55	95	246479	25.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	50.64%	

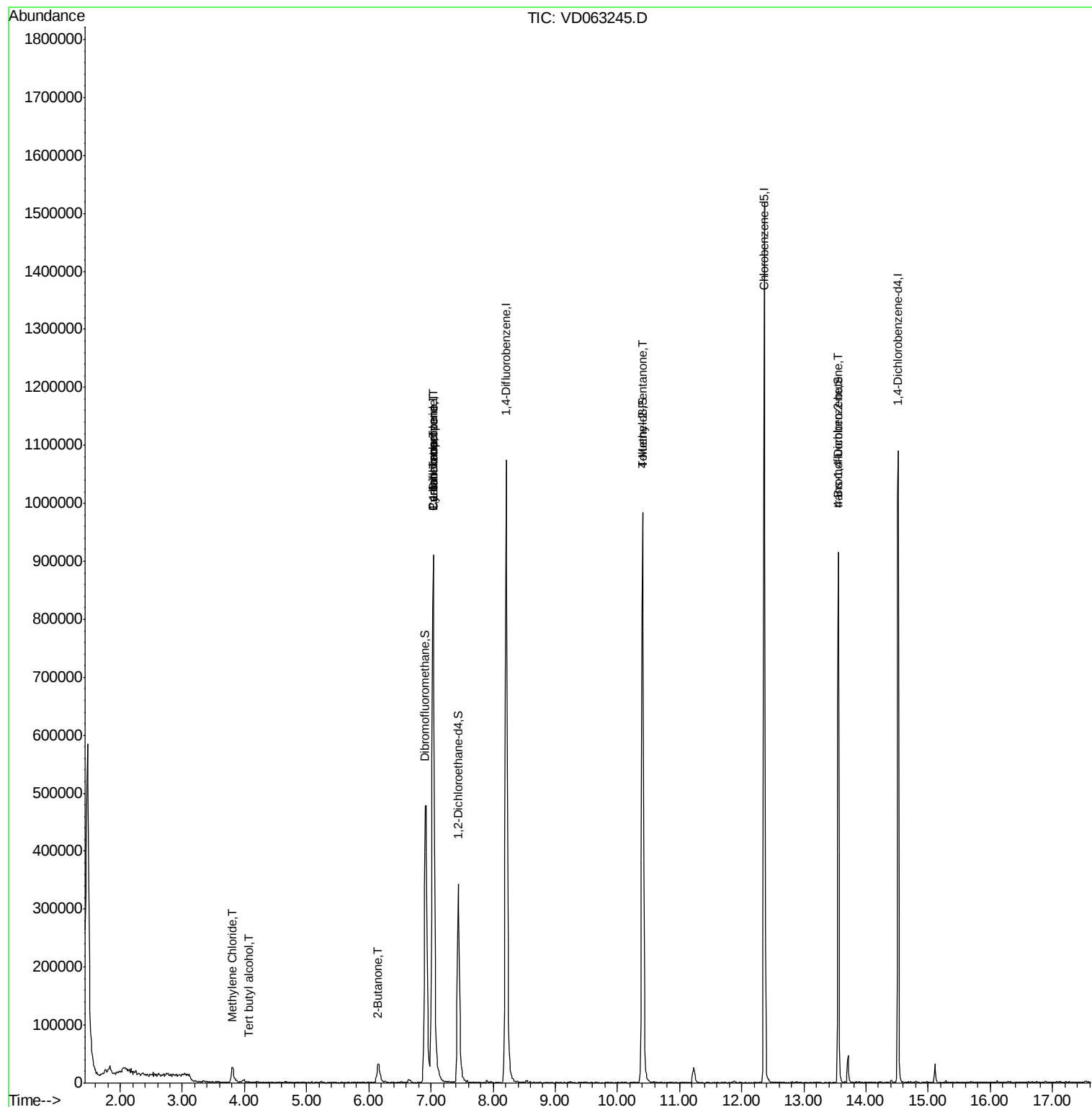
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	902	2.167	ug/l #	69
20) Methylene Chloride	3.80	84	17265	2.311	ug/l #	86
25) 2-Butanone	6.14	43	1887	1.017	ug/l #	56
31) Cyclohexane	7.04	56	19386	2.294	ug/l #	16
36) 1,1-Dichloropropene	7.03	75	64175	6.290	ug/l #	52
38) Carbon Tetrachloride	7.04	117	83075	5.409	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	4968	1.248	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	121249	137.115	ug/l #	3

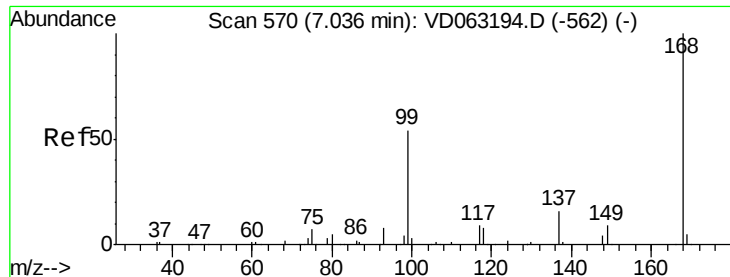
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

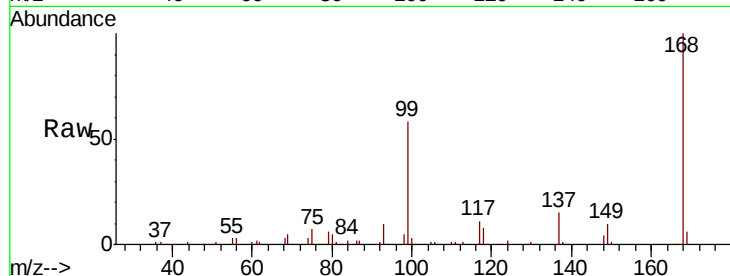
SP-3RE

Tot Ion:168 Resp: 855004

Ion Ratio Lower Upper

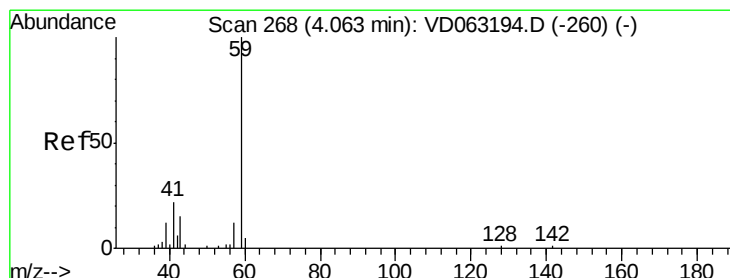
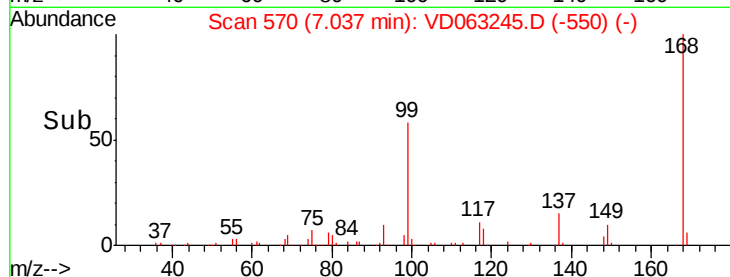
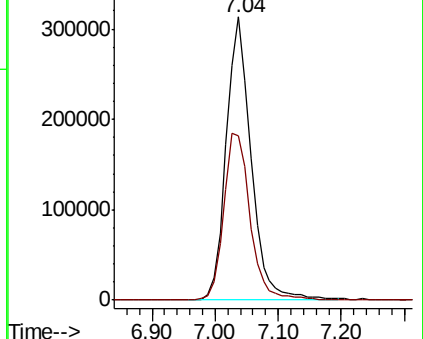
168 100

99 58.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.167 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063245.D

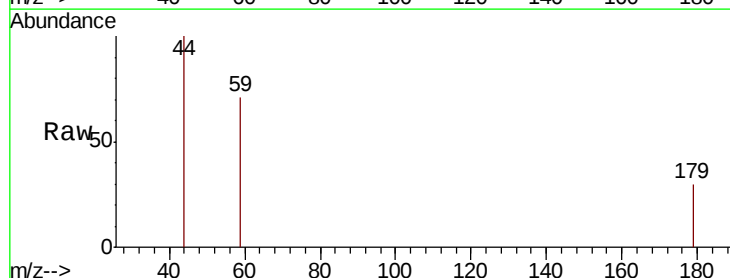
Acq: 30 Jul 2019 16:48

Tgt Ion: 59 Resp: 902

Ion Ratio Lower Upper

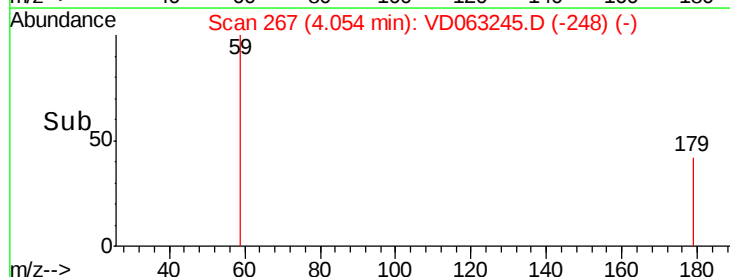
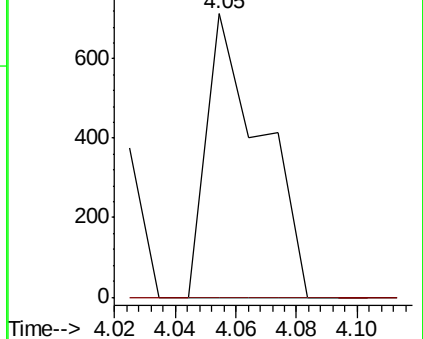
59 100

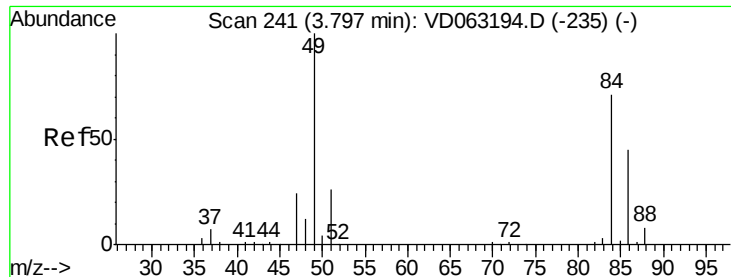
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

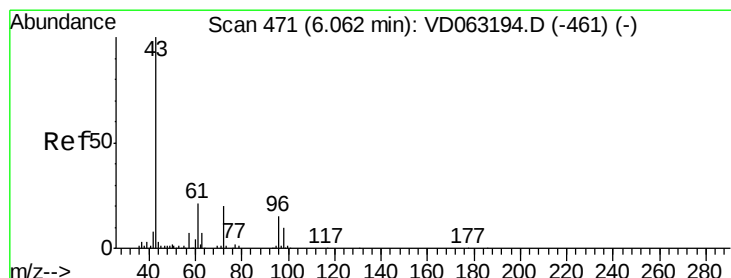
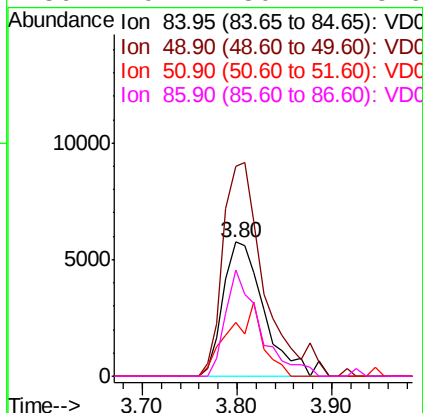
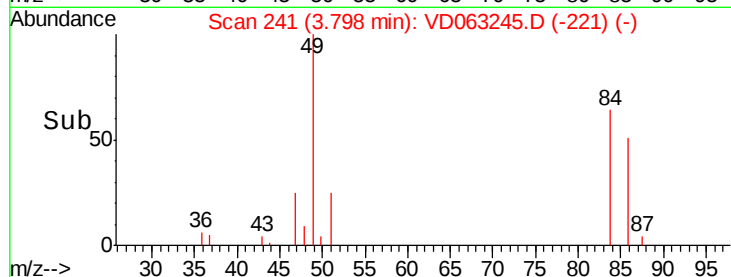
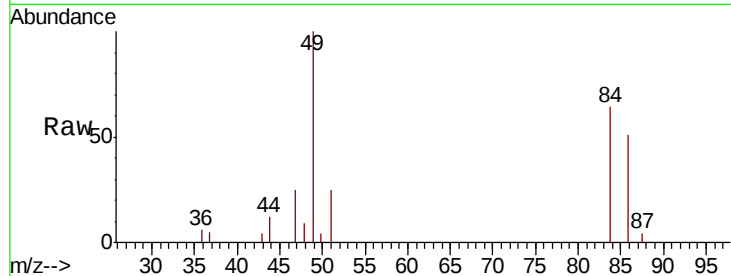




#20
Methylene Chloride
Concen: 2.311 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063245.D
Acq: 30 Jul 2019 16:48

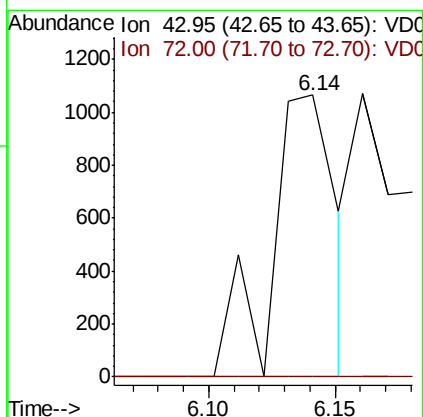
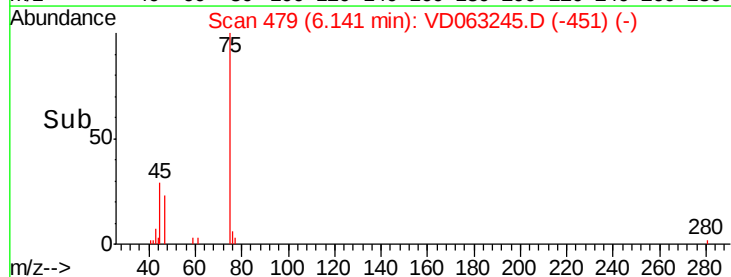
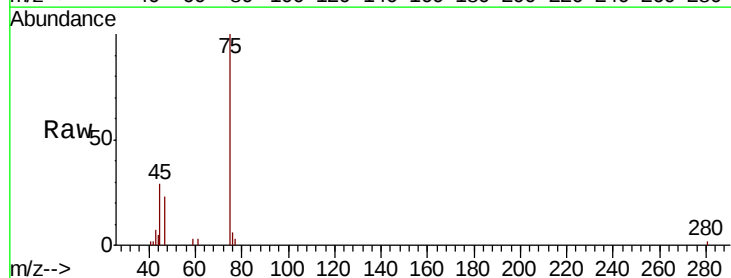
Instrument :
MSVOA_D
ClientSampleId :
SP-3RE

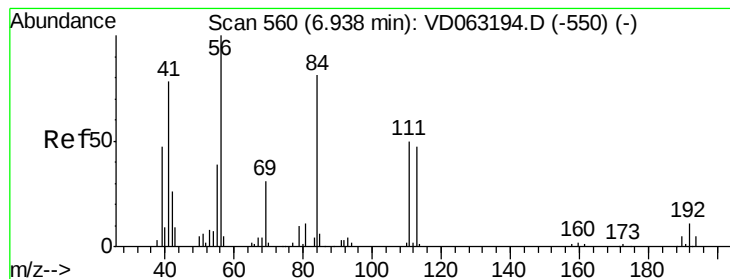
Tot Ion: 84 Resp: 17265
Ion Ratio Lower Upper
84 100
49 156.2 112.5 168.7
51 39.7 29.6 44.4
86 79.4 50.4 75.6#



#25
2-Butanone
Concen: 1.017 ug/l
RT: 6.14 min Scan# 479
Delta R.T. 0.08 min
Lab File: VD063245.D
Acq: 30 Jul 2019 16:48

Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#





#31

Cyclohexane

Concen: 2.294 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SP-3RE

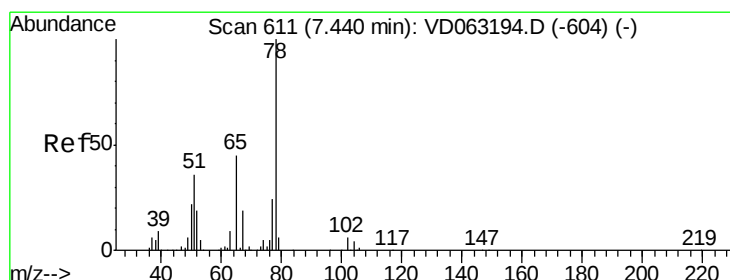
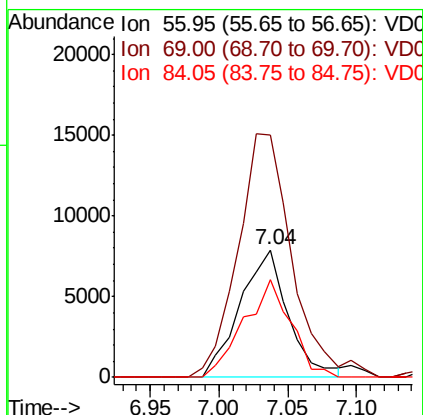
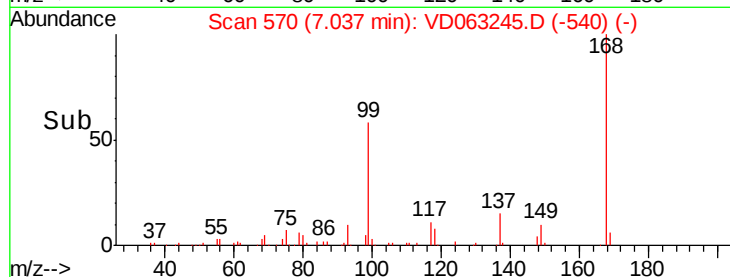
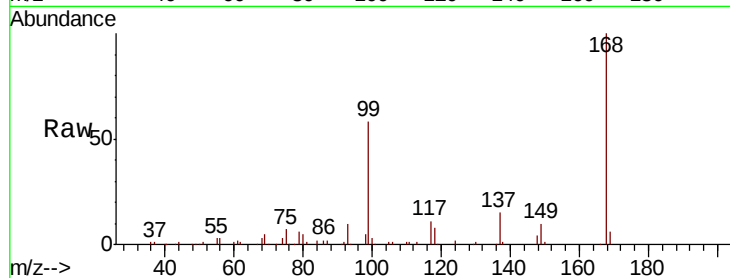
Tot Ion: 56 Resp: 19386

Ion Ratio Lower Upper

56 100

69 189.5 24.5 36.7#

84 76.2 64.9 97.3



#33

1,2-Dichloroethane-d4

Concen: 39.271 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063245.D

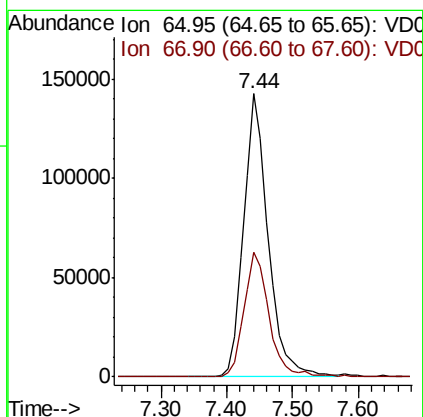
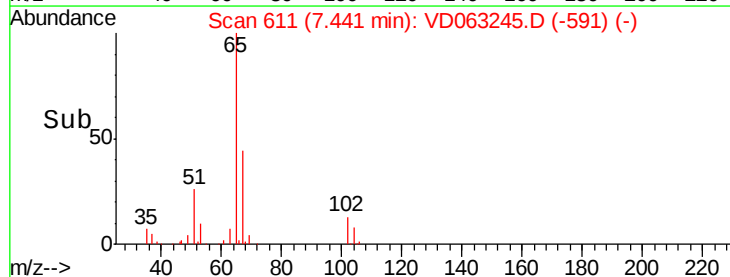
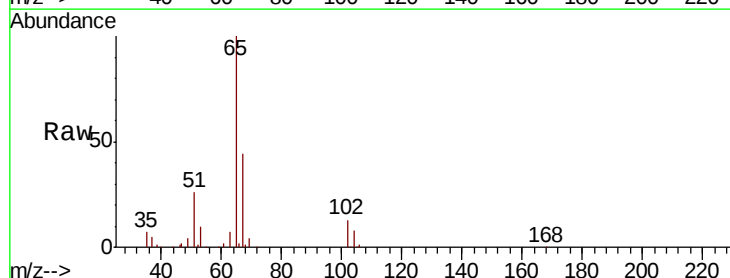
Acq: 30 Jul 2019 16:48

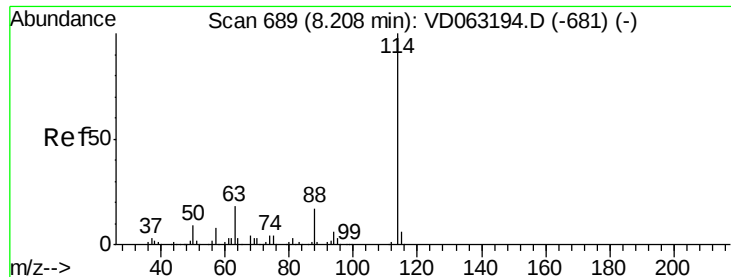
Tgt Ion: 65 Resp: 372566

Ion Ratio Lower Upper

65 100

67 44.1 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SP-3RE

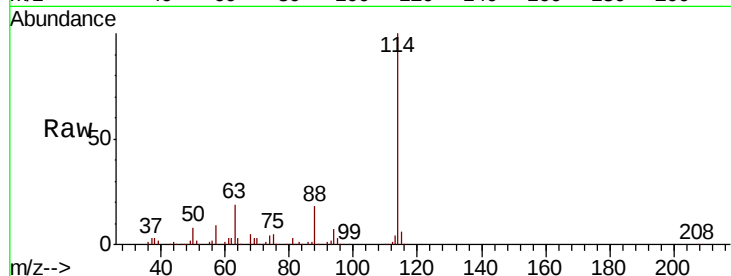
Tot Ion:114 Resp: 1117914

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

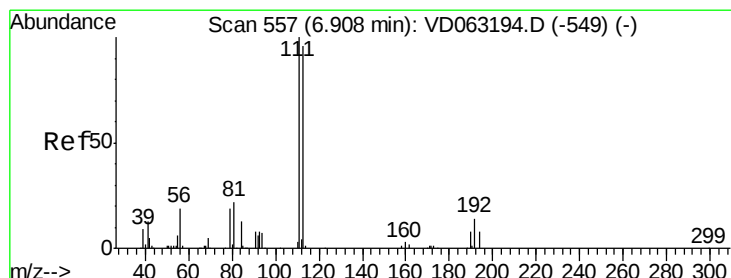
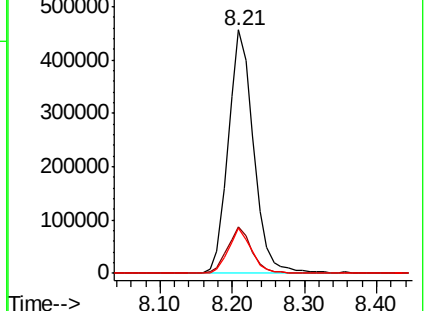
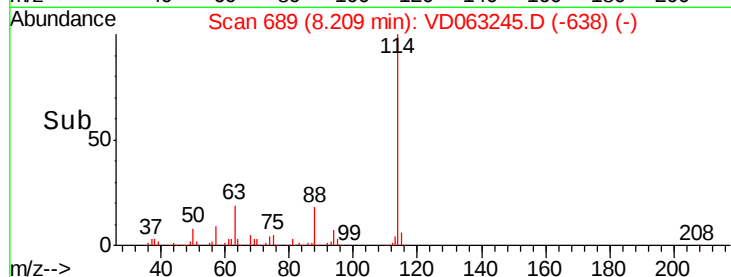
88 18.4 0.0 34.6



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: 45.236 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

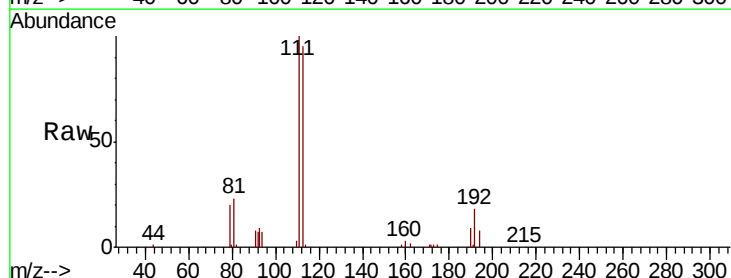
Tgt Ion:113 Resp: 431758

Ion Ratio Lower Upper

113 100

111 105.4 83.2 124.8

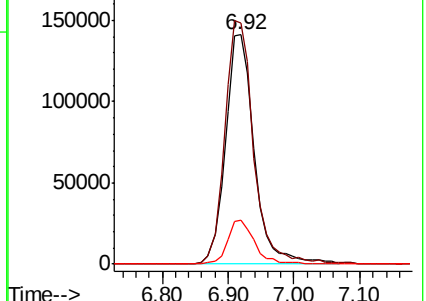
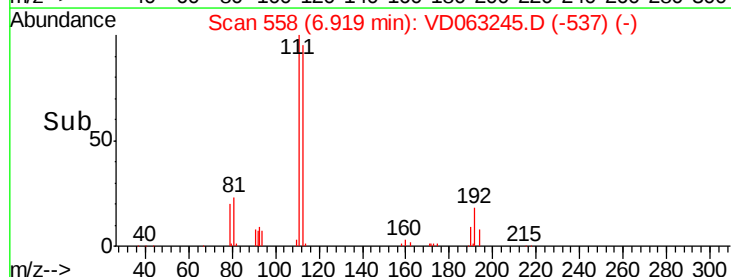
192 19.0 11.8 17.8#

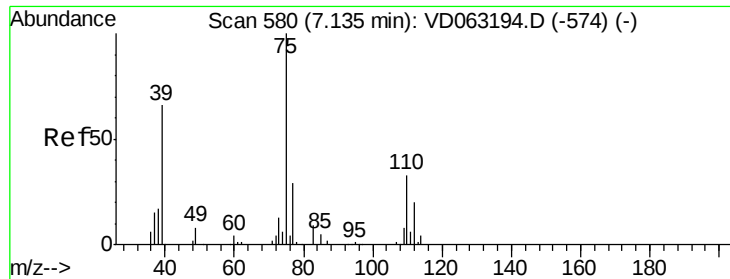


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.290 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SP-3RE

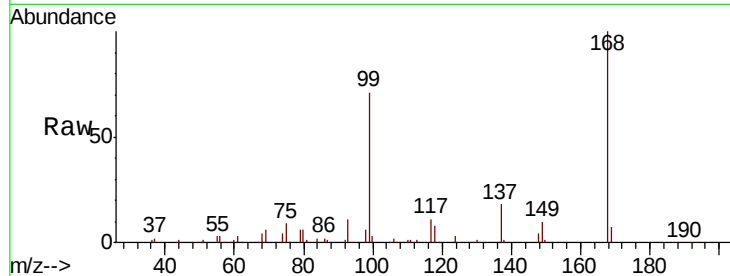
Tot Ion: 75 Resp: 64175

Ion Ratio Lower Upper

75 100

110 7.7 16.1 48.2#

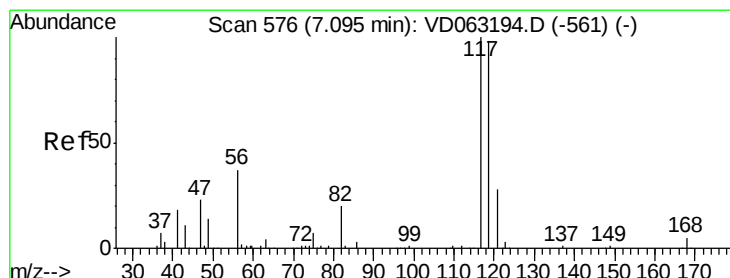
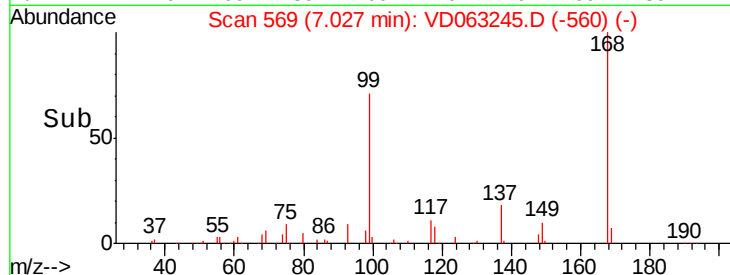
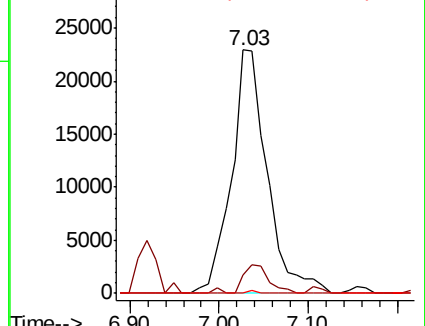
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.409 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

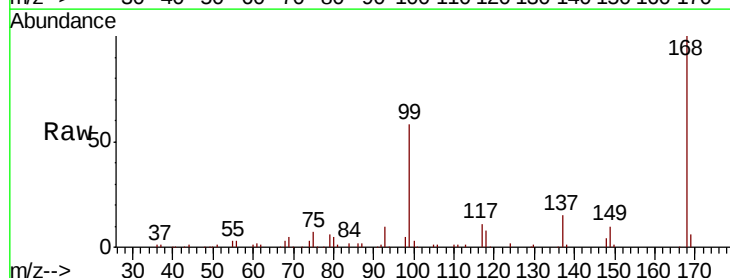
Tgt Ion: 117 Resp: 83075

Ion Ratio Lower Upper

117 100

119 3.4 78.2 117.2#

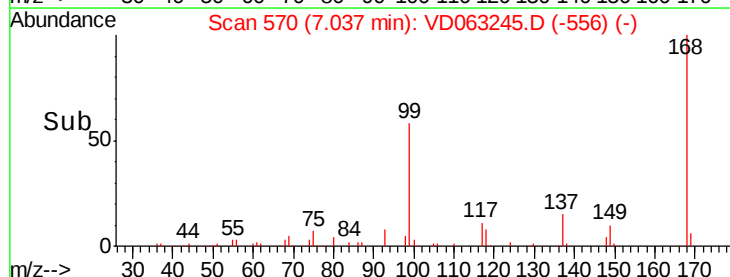
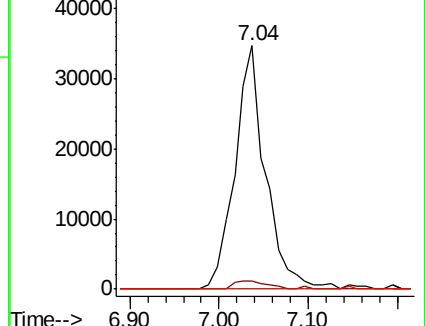
121 0.0 22.1 33.1#

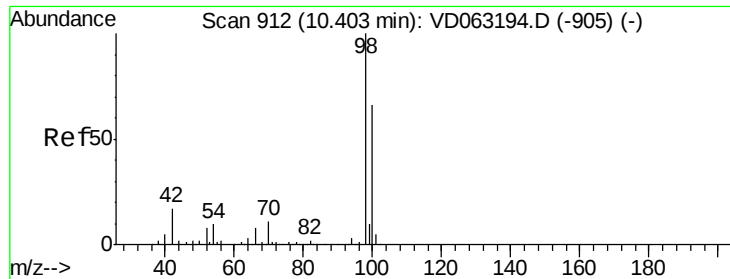


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 37.961 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

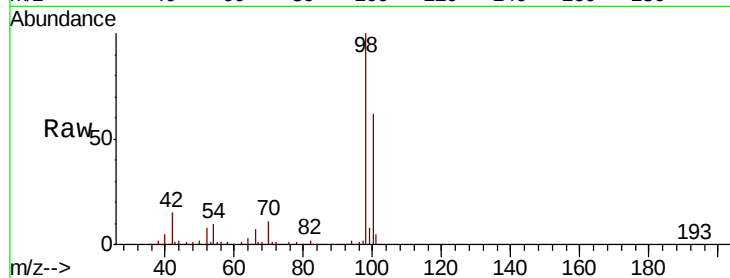
SP-3RE

Tot Ion: 98 Resp: 810868

Ion Ratio Lower Upper

98 100

100 61.5 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

10.40

400000

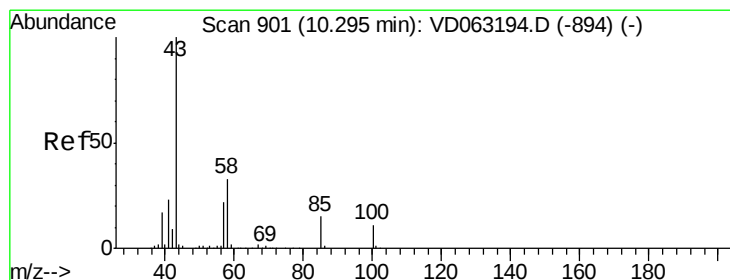
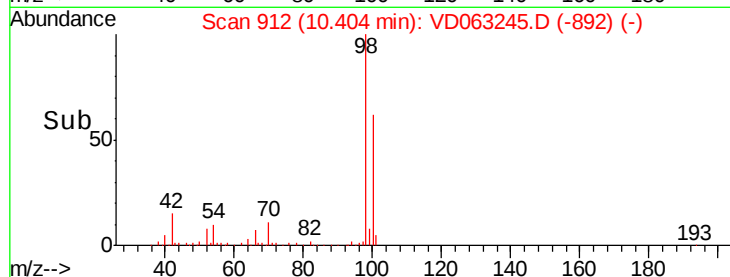
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.248 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD063245.D

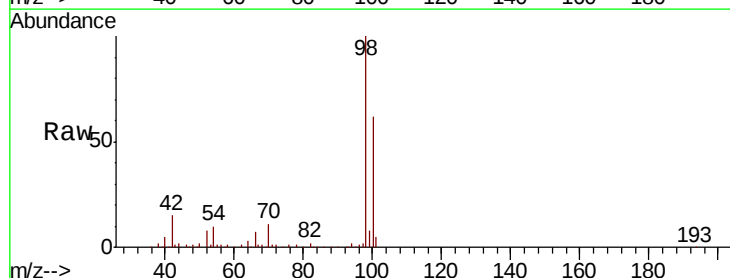
Acq: 30 Jul 2019 16:48

Tgt Ion: 43 Resp: 4968

Ion Ratio Lower Upper

43 100

58 107.2 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VD063194.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD063194.D (-894) (-)

10.40

3000

2500

2000

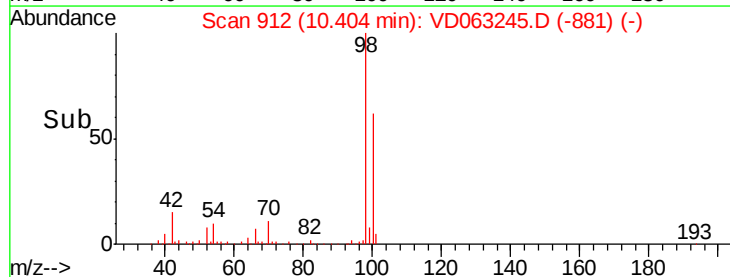
1500

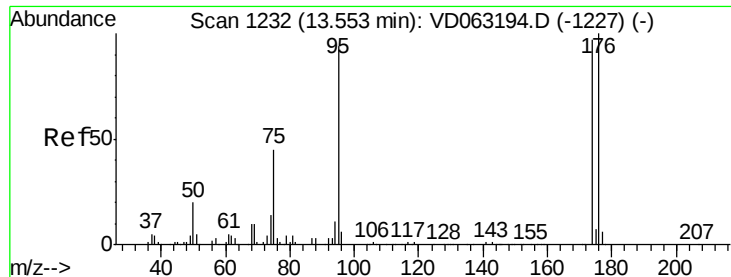
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 25.321 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SP-3RE

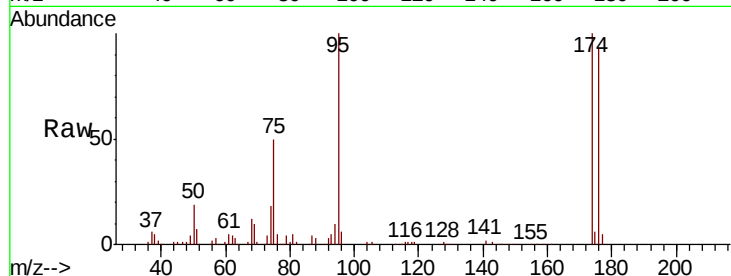
Tot Ion: 95 Resp: 246479

Ion Ratio Lower Upper

95 100

174 99.6 0.0 205.4

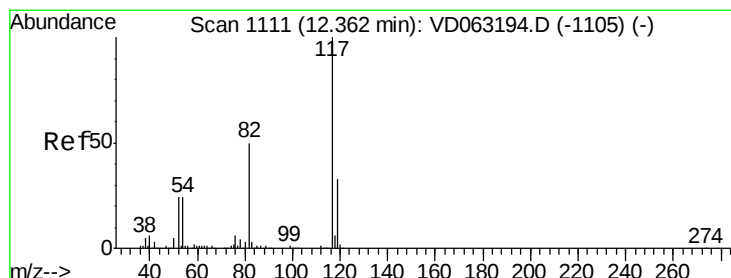
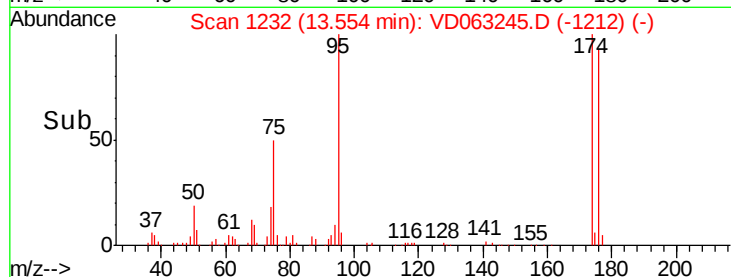
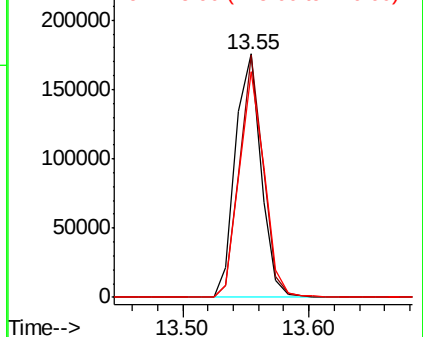
176 92.8 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

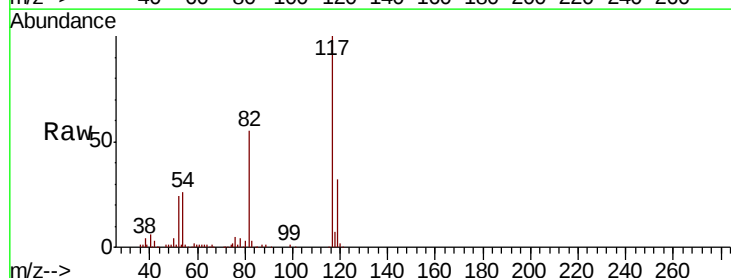
Tgt Ion: 117 Resp: 777825

Ion Ratio Lower Upper

117 100

82 55.0 40.1 60.1

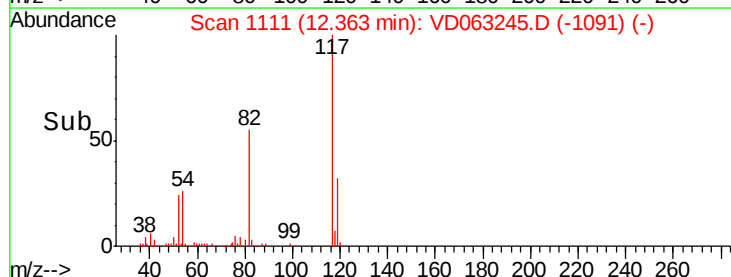
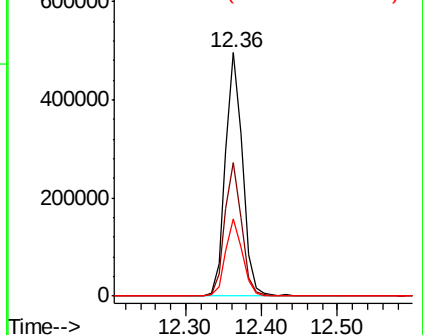
119 31.8 26.5 39.7

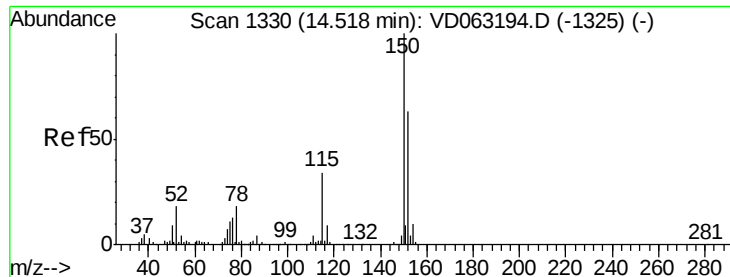


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.00 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SP-3RE

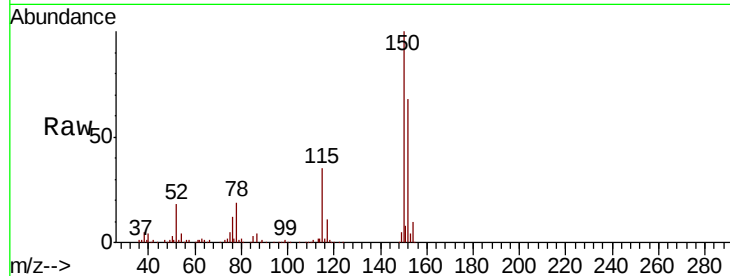
Tot Ion:152 Resp: 265131

Ion Ratio Lower Upper

152 100

115 51.8 27.5 82.4

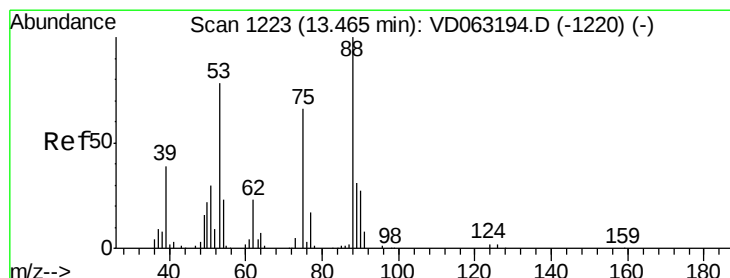
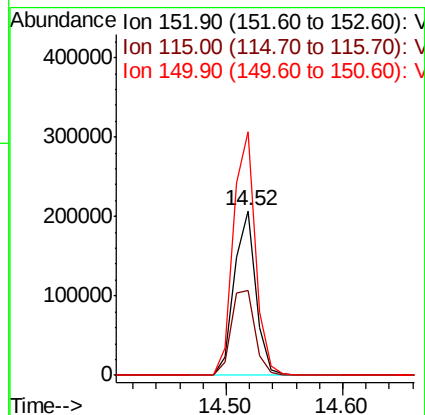
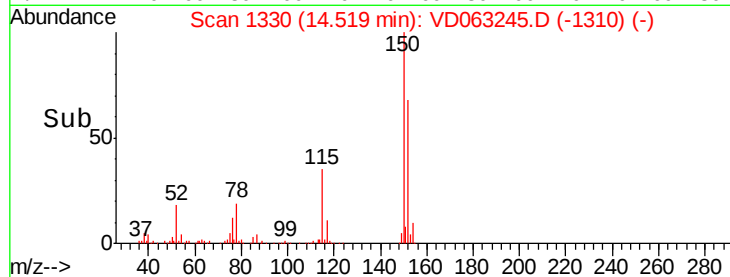
150 148.0 0.0 320.6



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: 137.115 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063245.D

Acq: 30 Jul 2019 16:48

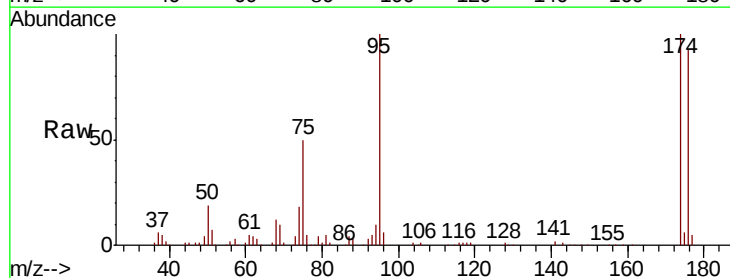
Tgt Ion: 75 Resp: 121249

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

