

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063224.D
 Acq On : 30 Jul 2019 4:27
 Operator : VA/AP
 Sample : K4049-11
 Misc : 4.19g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-11

Quant Time: Jul 30 08:39:50 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	656994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	855575	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	626146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	256326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	427391	58.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.26%	
35) Dibromofluoromethane	6.92	113	508908	69.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.34%	
50) Toluene-d8	10.40	98	911958	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
62) 4-Bromofluorobenzene	13.55	95	332107	44.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.16%	

Target Compounds

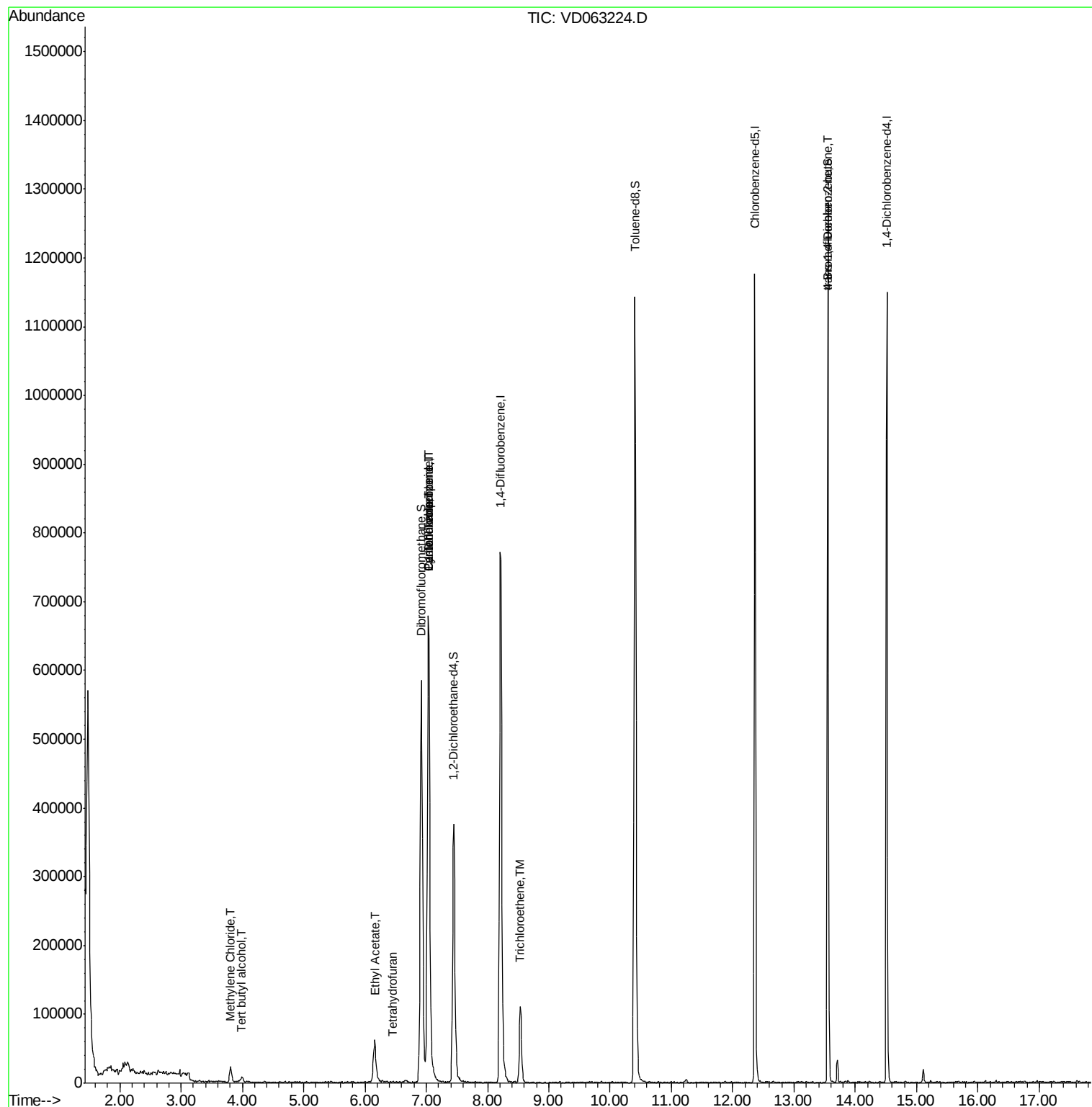
						Qvalue
11) Tert butyl alcohol	3.98	59	5869	18.345	ug/l #	69
20) Methylene Chloride	3.82	84	13272	2.312	ug/l #	72
29) Tetrahydrofuran	6.46	42	880	1.304	ug/l #	50
31) Cyclohexane	7.05	56	14977	2.306	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	49866	6.386	ug/l #	50
37) Ethyl Acetate	6.16	43	4426	1.262	ug/l #	1
38) Carbon Tetrachloride	7.05	117	65933	5.609	ug/l #	13
44) Trichloroethene	8.54	130	44057	6.644	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.55	75	155849	182.296	ug/l #	3

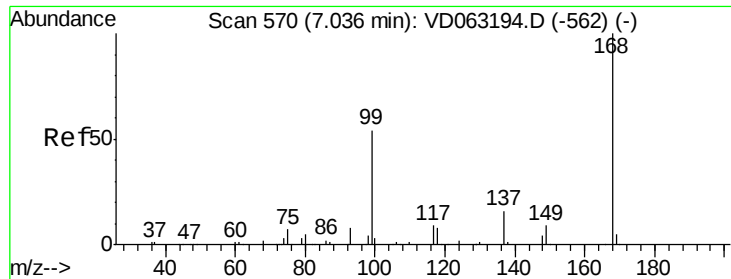
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Quant Time: Jul 30 08:39:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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: VD063224.D

Acq: 30 Jul 2019 4:27

Instrument :

MSVOA_D

ClientSampleId :

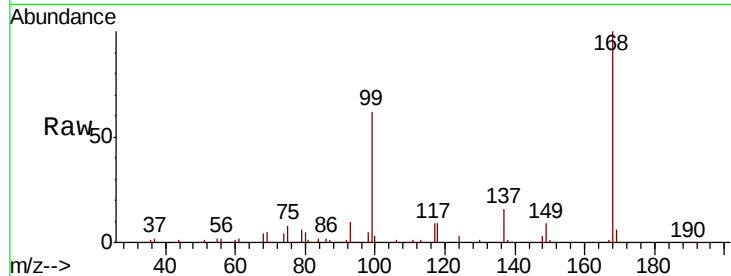
SP-11

Tot Ion:168 Resp: 656994

Ion Ratio Lower Upper

168 100

99 62.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

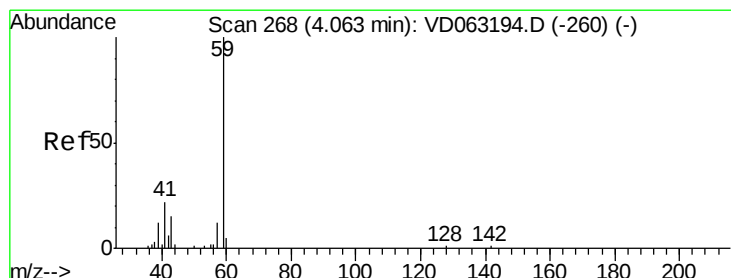
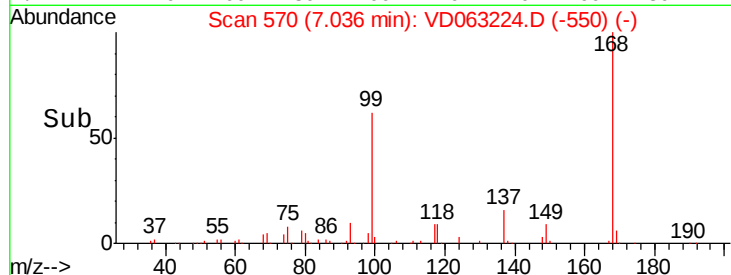
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 18.345 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD063224.D

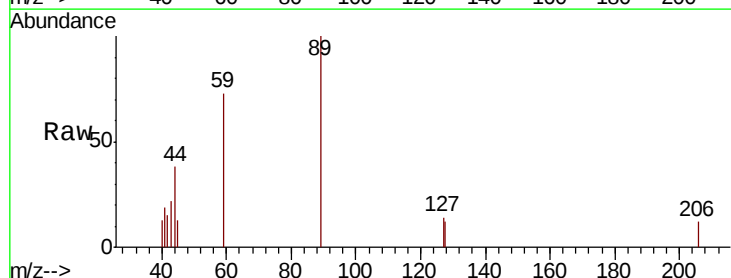
Acq: 30 Jul 2019 4:27

Tgt Ion: 59 Resp: 5869

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

3.98

2000

1500

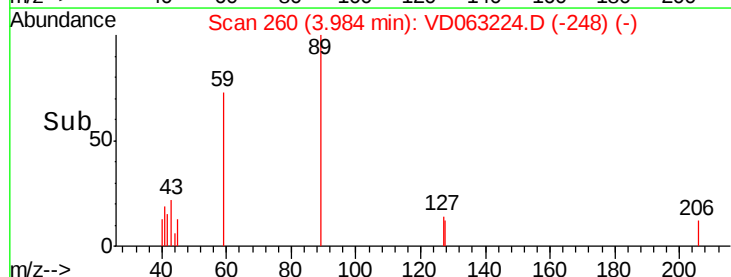
1000

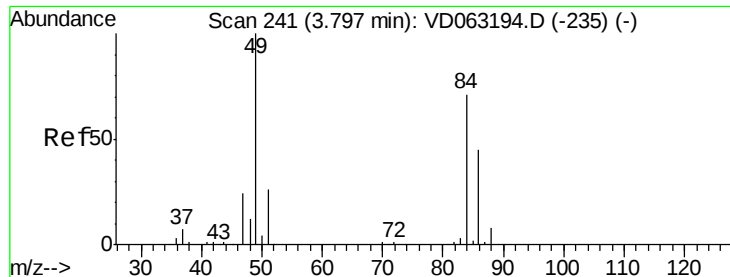
500

0

3.90 3.95 4.00 4.05 4.10

Time-->

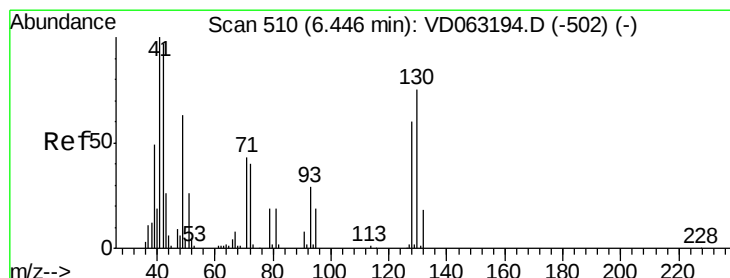
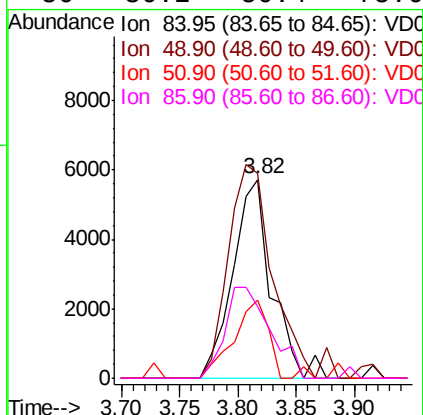
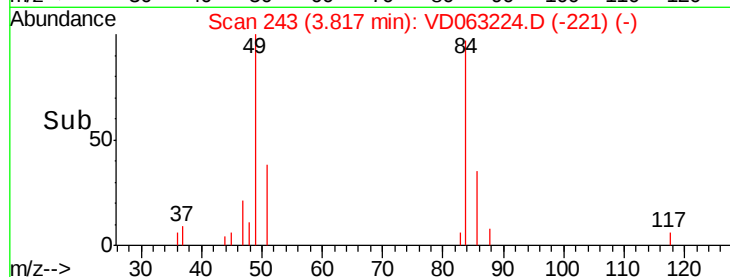
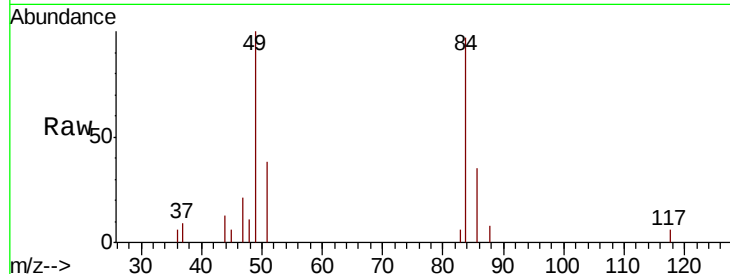




#20
Methvlene Chloride
Concen: 2.312 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063224.D
Acq: 30 Jul 2019 4:27

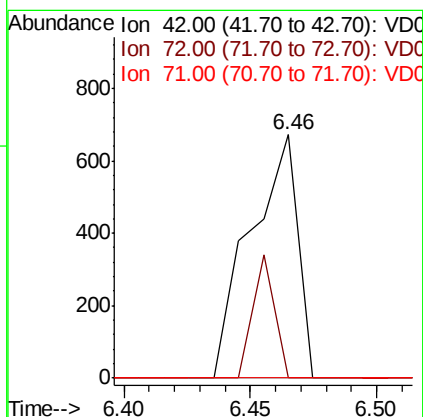
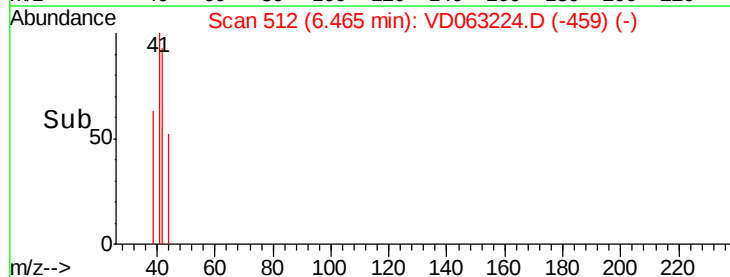
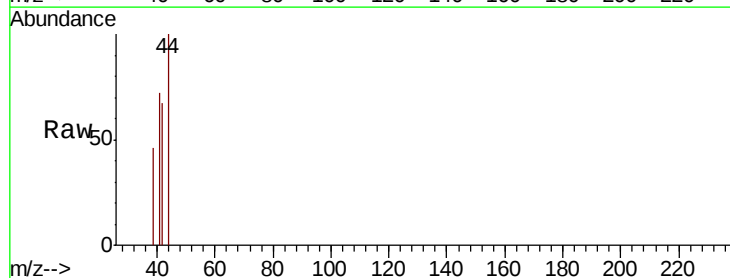
Instrument :
MSVOA_D
ClientSampleId :
SP-11

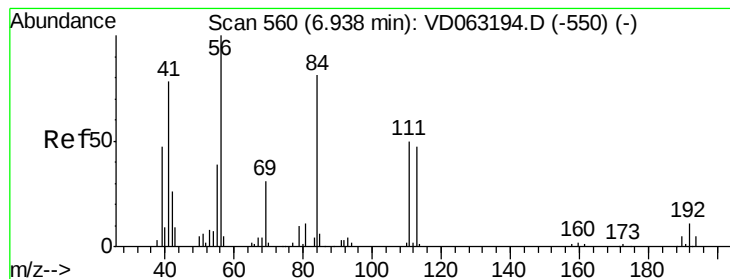
Tot Ion: 84 Resp: 13272
Ion Ratio Lower Upper
84 100
49 103.1 112.5 168.7#
51 39.3 29.6 44.4
86 36.2 50.4 75.6#



#29
Tetrahydrofuran
Concen: 1.304 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063224.D
Acq: 30 Jul 2019 4:27

Tgt Ion: 42 Resp: 880
Ion Ratio Lower Upper
42 100
72 22.8 33.4 50.2#
71 0.0 35.7 53.5#





#31

Cyclohexane

Concen: 2.306 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063224.D

Acq: 30 Jul 2019 4:27

Instrument :

MSVOA_D

ClientSampled :

SP-11

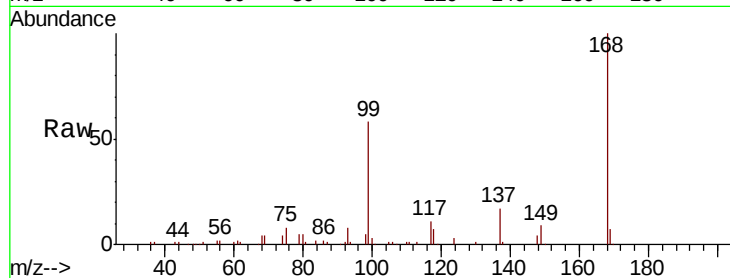
Tot Ion: 56 Resp: 14977

Ion Ratio Lower Upper

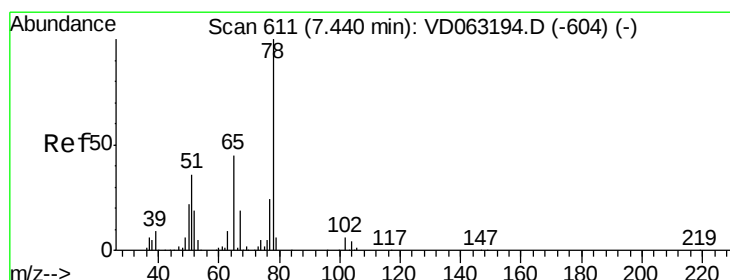
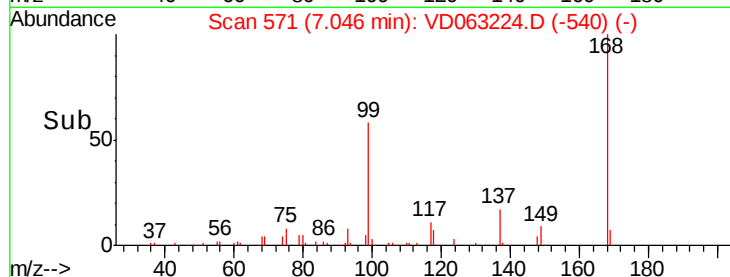
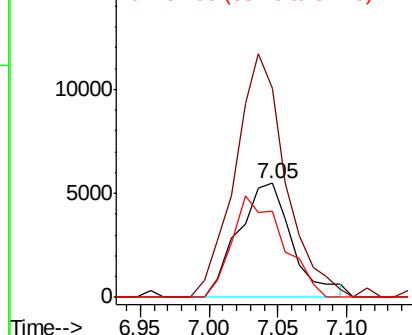
56 100

69 183.1 24.5 36.7#

84 75.3 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: 58.627 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063224.D

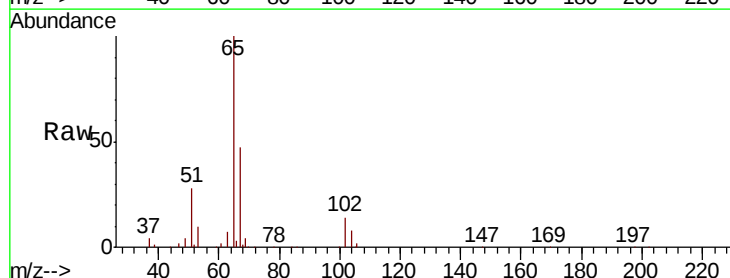
Acq: 30 Jul 2019 4:27

Tgt Ion: 65 Resp: 427391

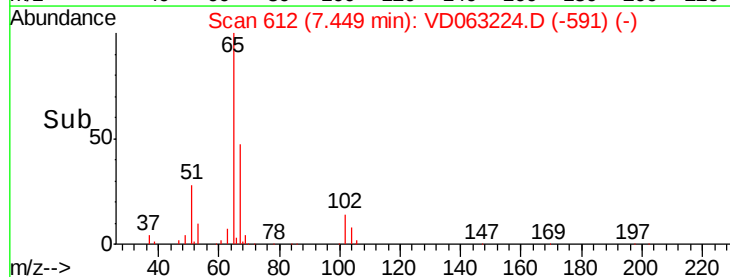
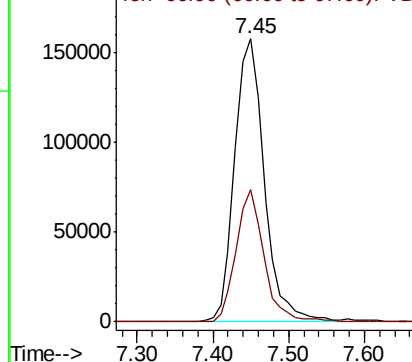
Ion Ratio Lower Upper

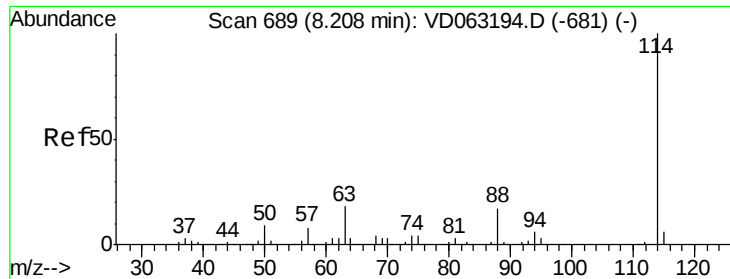
65 100

67 46.6 0.0 85.8



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

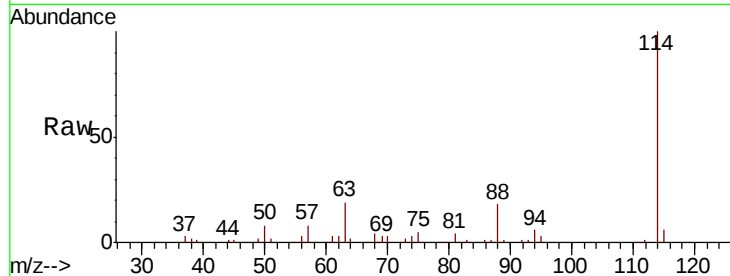




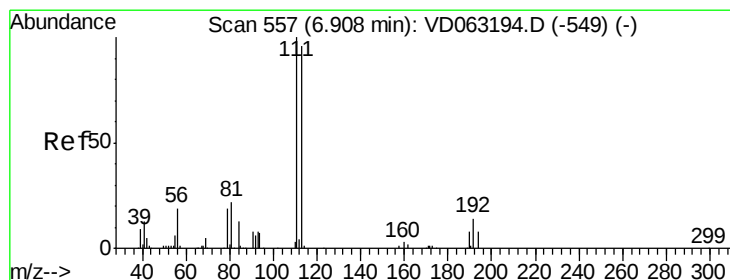
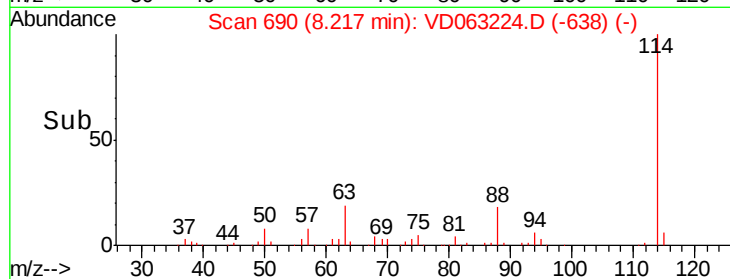
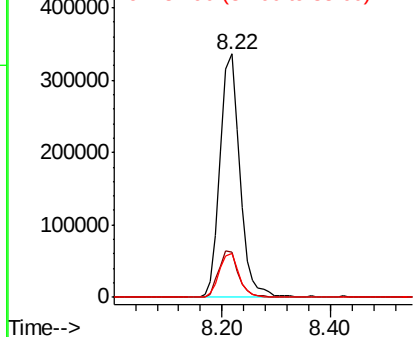
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063224.D
 Acq: 30 Jul 2019 4:27

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-11

Tot Ion:114 Resp: 855575
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 18.1 0.0 34.6

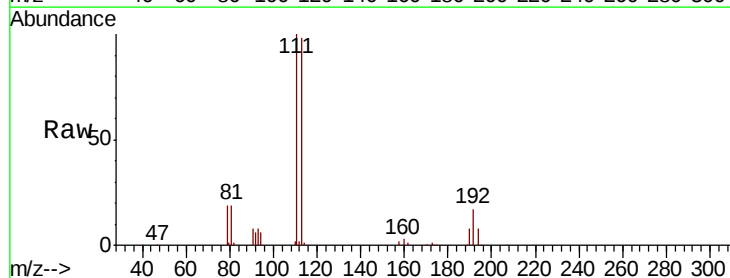


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

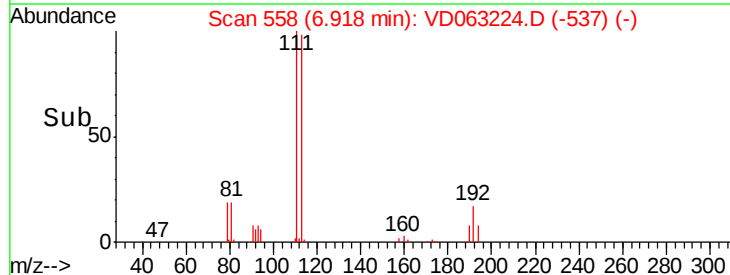
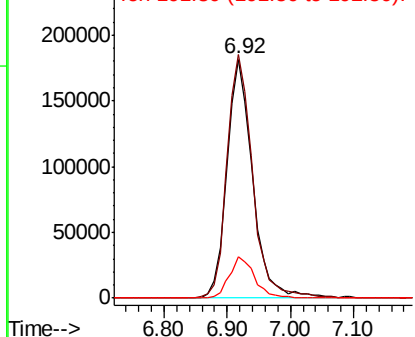


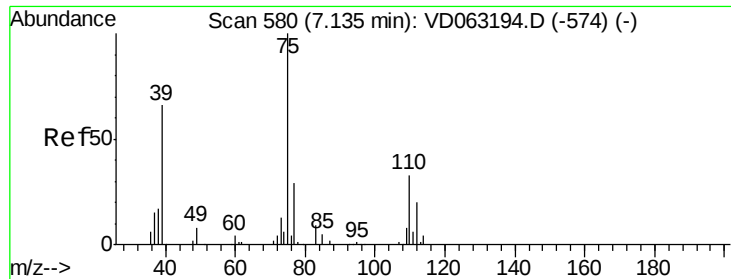
#35
 Dibromofluoromethane
 Concen: 69.668 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063224.D
 Acq: 30 Jul 2019 4:27

Tgt Ion:113 Resp: 508908
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.2 124.8
 192 17.4 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: 6.386 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063224.D

Acq: 30 Jul 2019 4:27

Instrument :

MSVOA_D

ClientSampleId :

SP-11

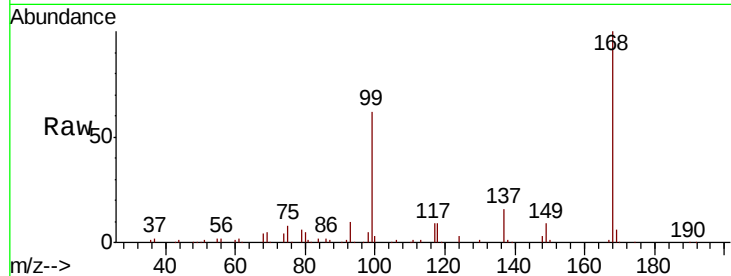
Tot Ion: 75 Resp: 49866

Ion Ratio Lower Upper

75 100

110 6.0 16.1 48.2#

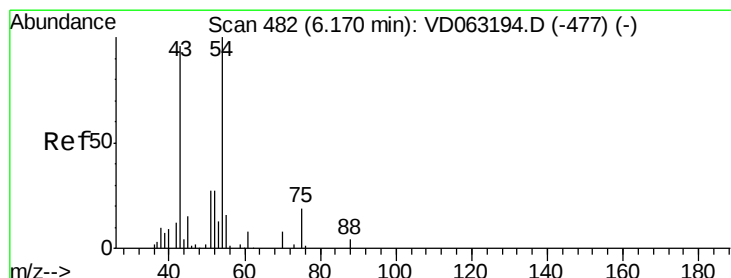
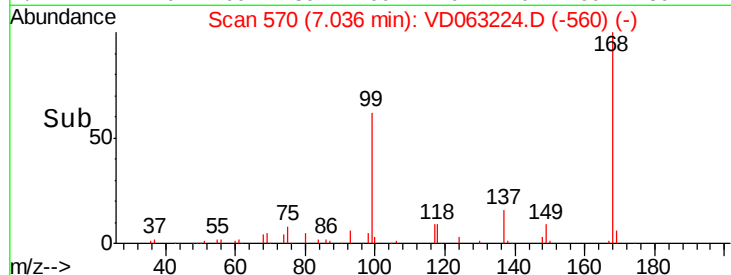
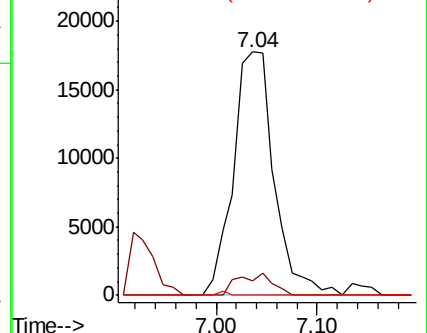
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.262 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063224.D

Acq: 30 Jul 2019 4:27

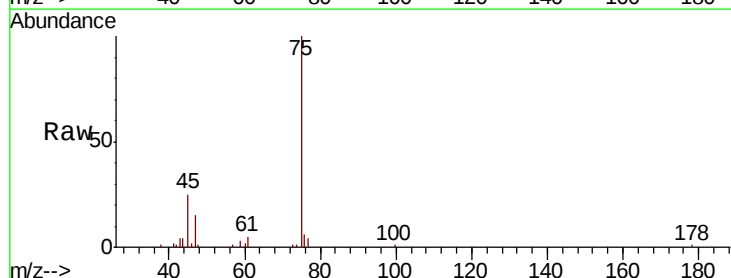
Tgt Ion: 43 Resp: 4426

Ion Ratio Lower Upper

43 100

61 128.4 11.3 16.9#

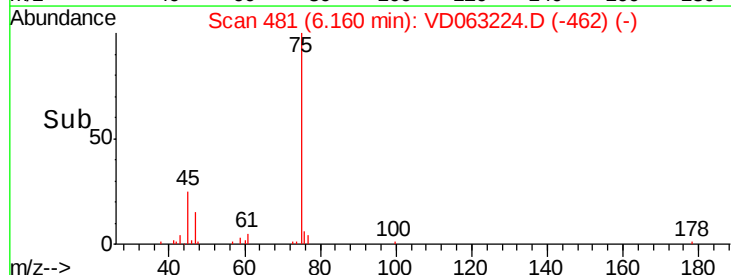
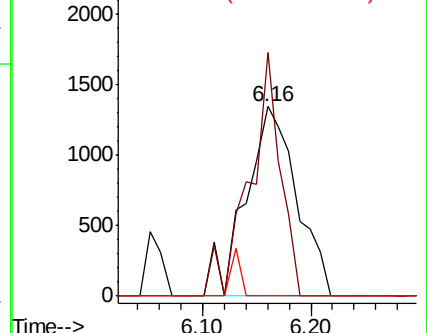
70 0.0 5.1 7.7#

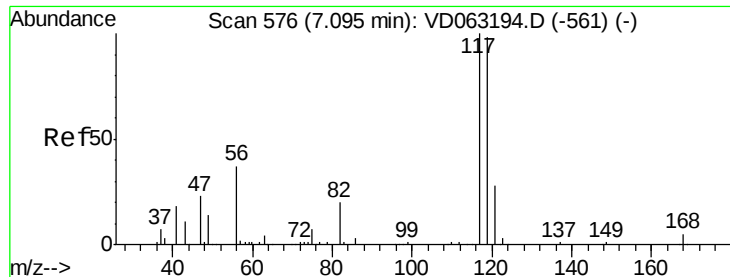


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063224.D

Acq: 30 Jul 2019 4:27

Instrument :

MSVOA_D

ClientSampled :

SP-11

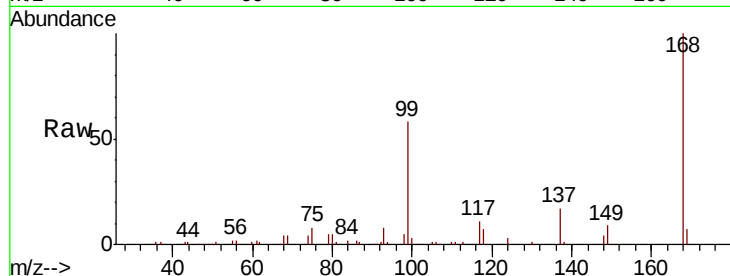
Tot Ion:117 Resp: 65933

Ion Ratio Lower Upper

117 100

119 2.2 78.2 117.2#

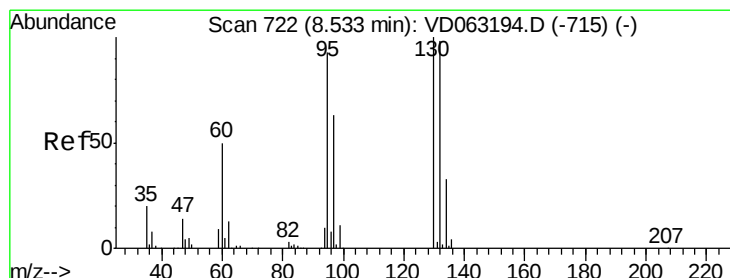
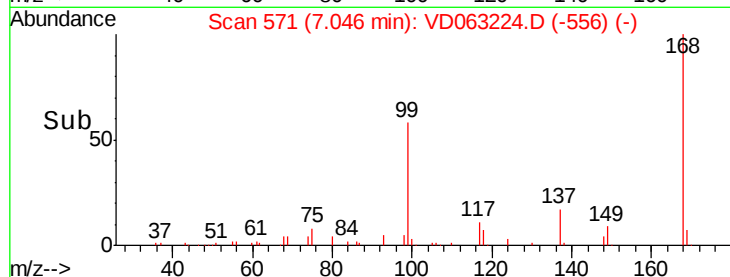
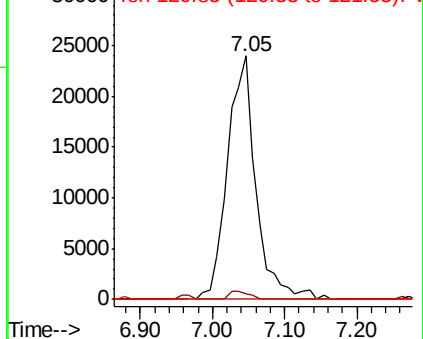
121 0.0 22.1 33.1#



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



#44

Trichloroethene

Concen: 6.644 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD063224.D

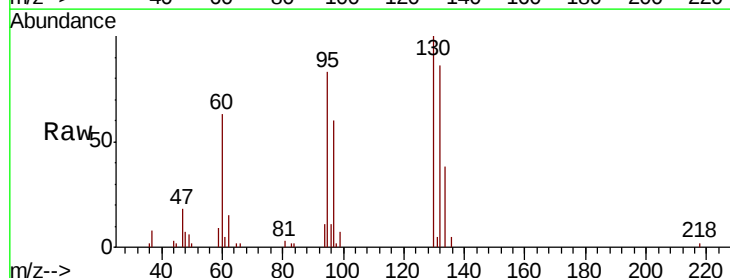
Acq: 30 Jul 2019 4:27

Tgt Ion:130 Resp: 44057

Ion Ratio Lower Upper

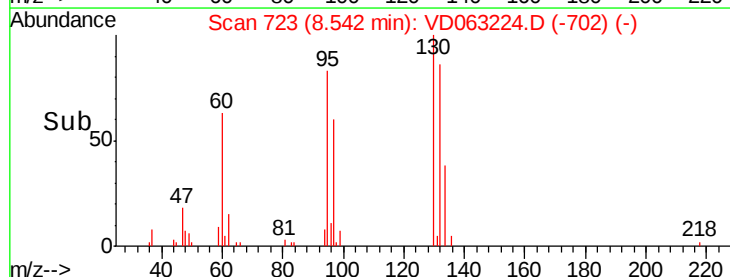
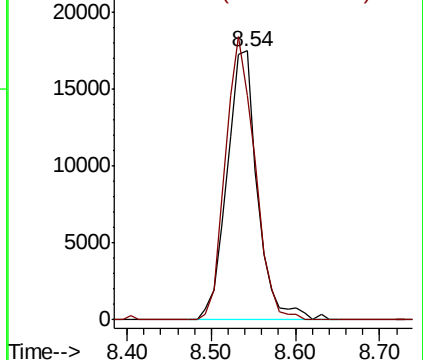
130 100

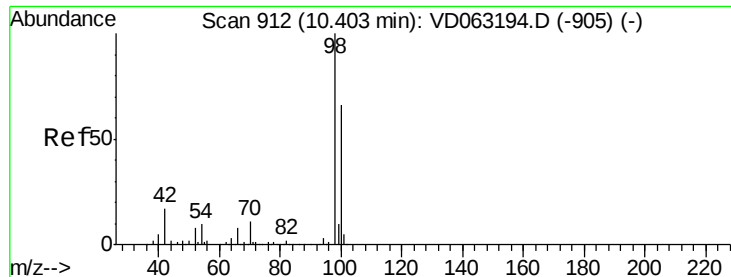
95 83.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 55.784 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063224.D

Acq: 30 Jul 2019 4:27

Instrument :

MSVOA_D

ClientSampleId :

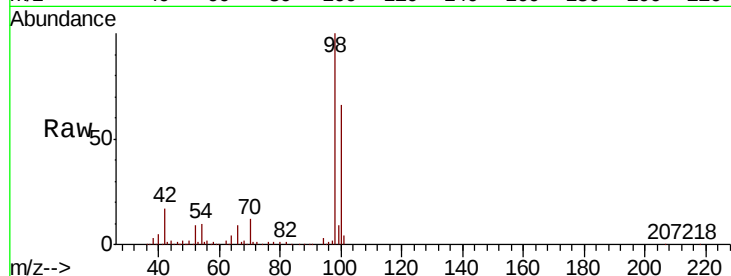
SP-11

Tot Ion: 98 Resp: 911958

Ion Ratio Lower Upper

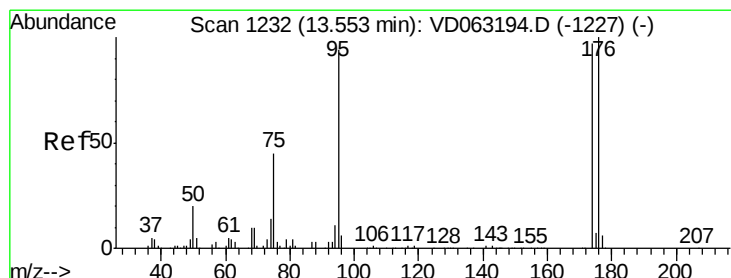
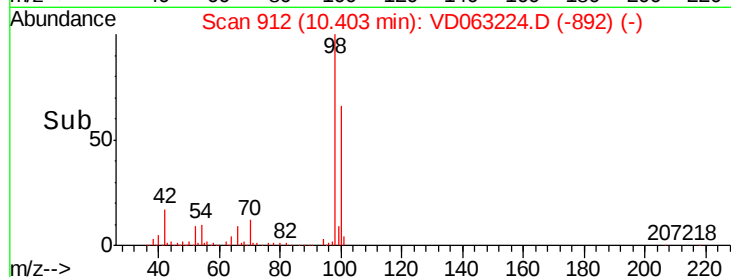
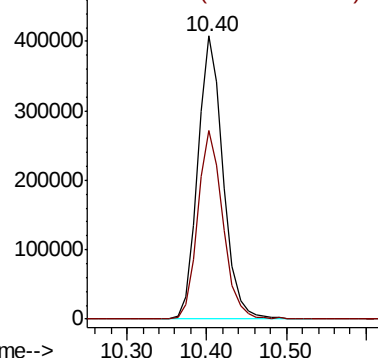
98 100

100 66.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 44.580 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063224.D

Acq: 30 Jul 2019 4:27

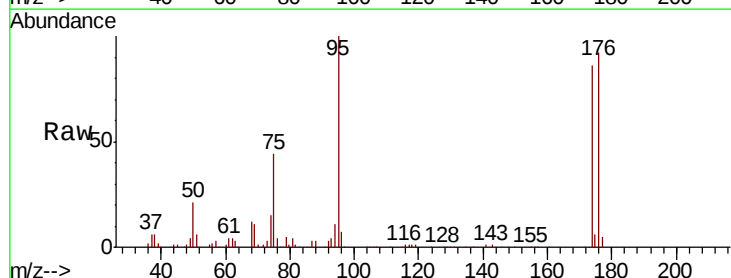
Tgt Ion: 95 Resp: 332107

Ion Ratio Lower Upper

95 100

174 85.8 0.0 205.4

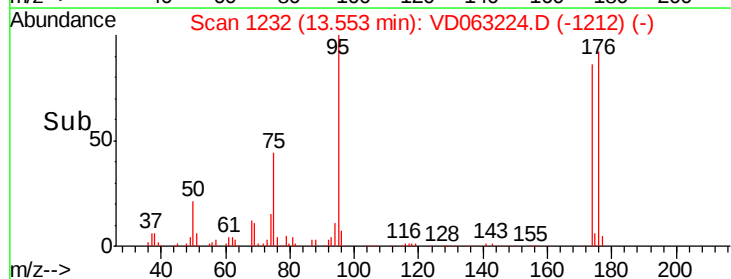
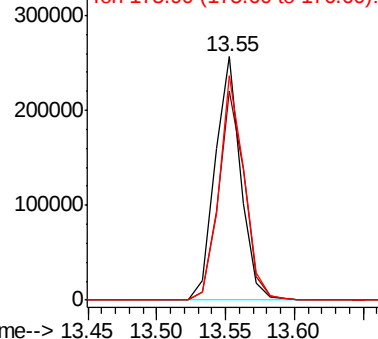
176 92.3 0.0 211.8

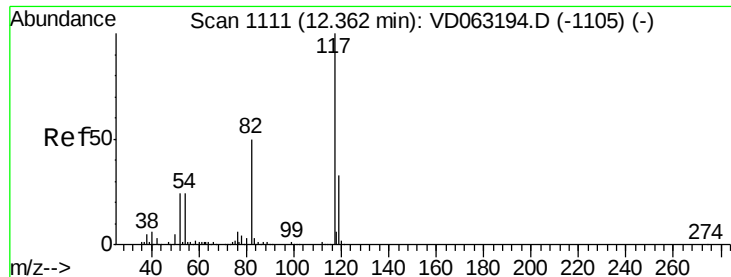


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

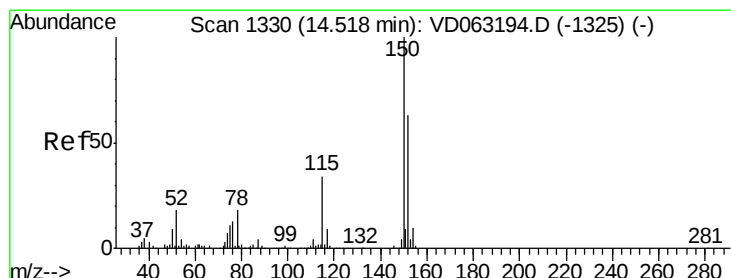
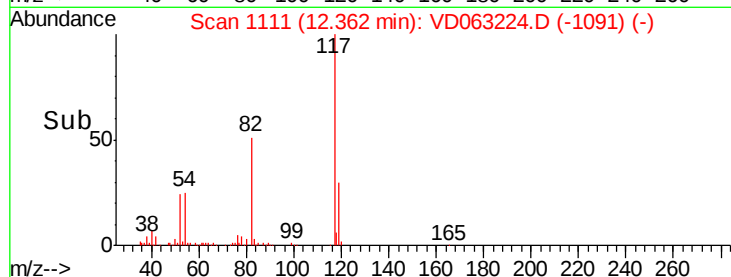
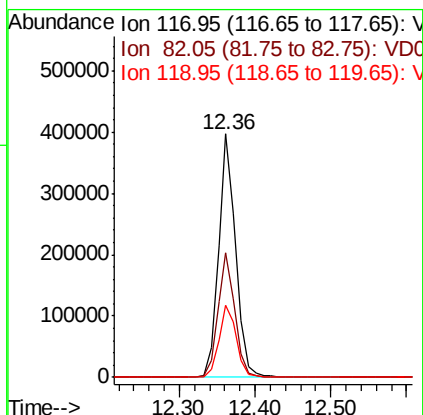
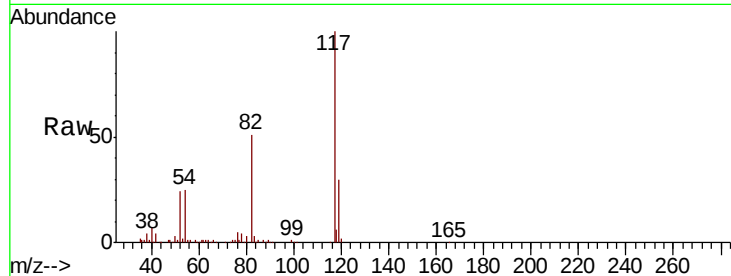




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063224.D
Acq: 30 Jul 2019 4:27

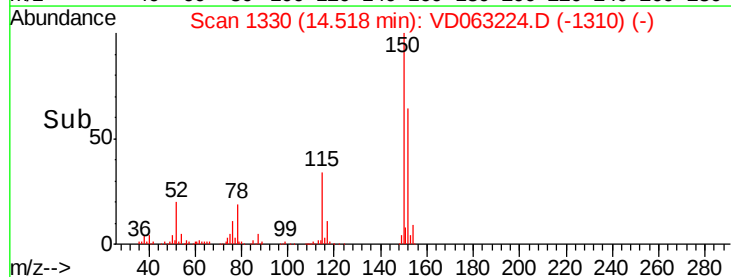
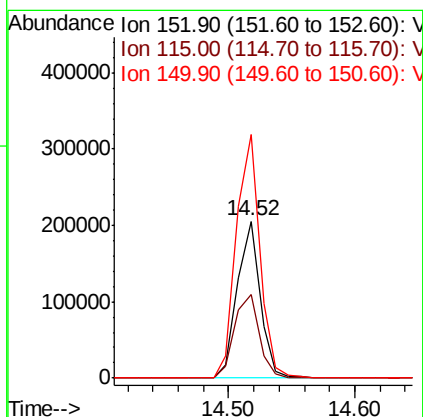
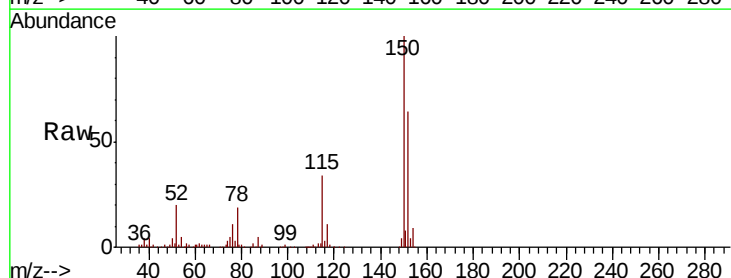
Instrument :
MSVOA_D
ClientSampled :
SP-11

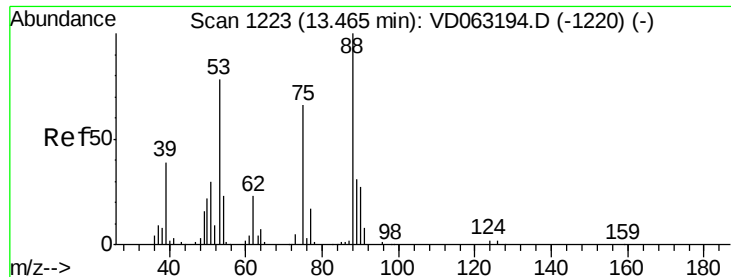
Tot Ion:117 Resp: 626146
Ion Ratio Lower Upper
117 100
82 51.3 40.1 60.1
119 29.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063224.D
Acq: 30 Jul 2019 4:27

Tgt Ion:152 Resp: 256326
Ion Ratio Lower Upper
152 100
115 53.4 27.5 82.4
150 155.3 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 182.296 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063224.D

Acq: 30 Jul 2019 4:27

Instrument :

MSVOA_D

ClientSampleId :

SP-11

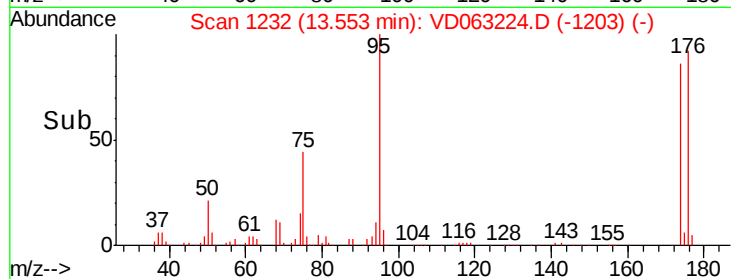
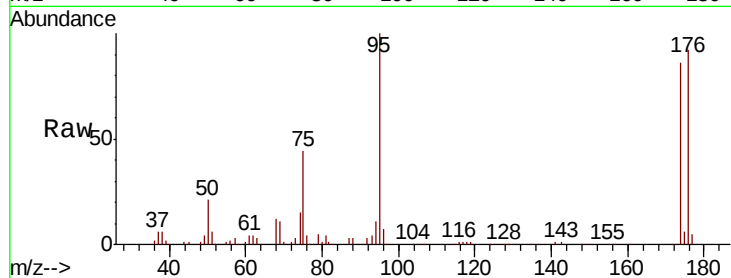
Tot Ion: 75 Resp: 155849

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

