

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063209.D
 Acq On : 29 Jul 2019 19:51
 Operator : VA/AP
 Sample : K4049-02
 Misc : 4.13g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Quant Time: Jul 30 03:18:38 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	654398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	899894	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	664978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	245030	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	478169	65.85	ug/l	0.00
Spiked Amount			Recovery	=	131.70%	
35) Dibromofluoromethane	6.92	113	543630	70.76	ug/l	0.00
Spiked Amount			Recovery	=	141.52%	
50) Toluene-d8	10.40	98	1069291	62.19	ug/l	0.00
Spiked Amount			Recovery	=	124.38%	
62) 4-Bromofluorobenzene	13.55	95	362442	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

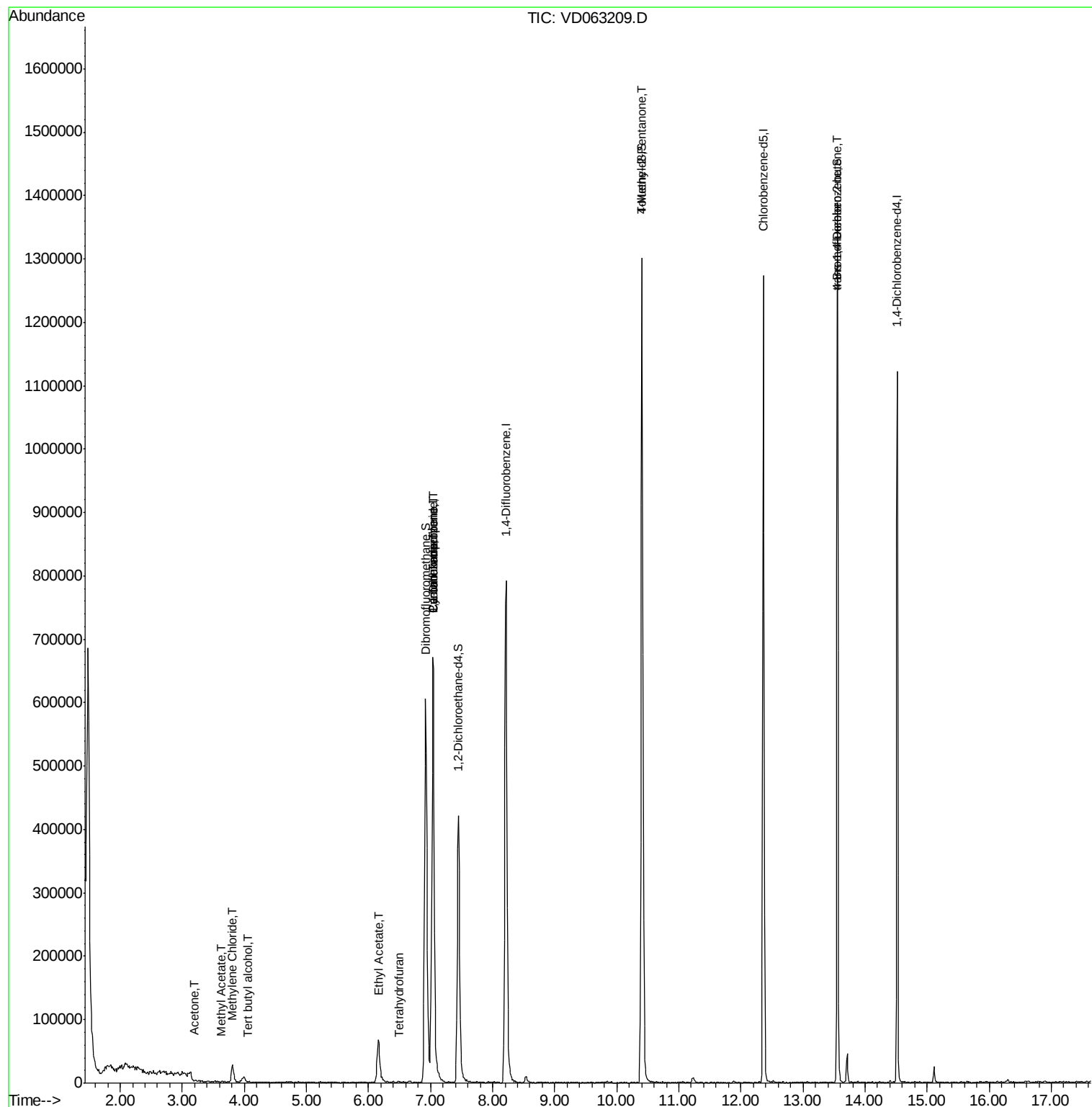
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	2122	6.659	ug/l #	69
16) Acetone	3.21	43	1909	1.349	ug/l #	62
18) Methyl Acetate	3.63	43	2742	1.009	ug/l #	71
20) Methylene Chloride	3.82	84	15433	2.699	ug/l #	82
29) Tetrahydrofuran	6.48	42	962	1.431	ug/l #	33
31) Cyclohexane	7.05	56	13009	2.011	ug/l #	6
36) 1,1-Dichloropropene	7.04	75	48218	5.871	ug/l #	60
37) Ethyl Acetate	6.15	43	6102	1.654	ug/l #	51
38) Carbon Tetrachloride	7.04	117	66446	5.374	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	7364	2.297	ug/l #	7
81) trans-1,4-Dichloro-2-buten	13.55	75	178165	218.007	ug/l #	3

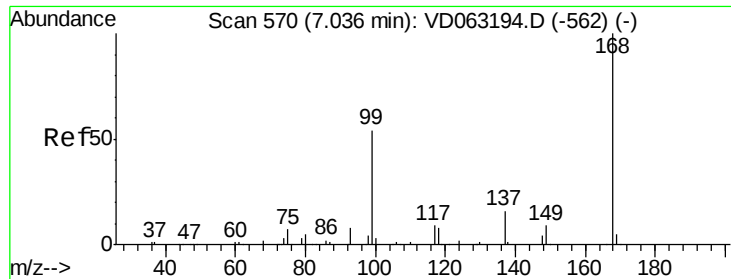
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampleId :

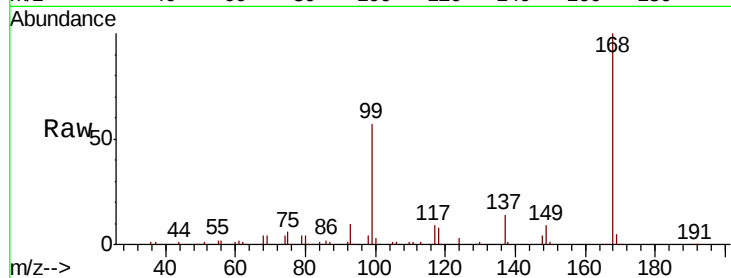
SP-2

Tot Ion:168 Resp: 654398

Ion Ratio Lower Upper

168 100

99 56.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

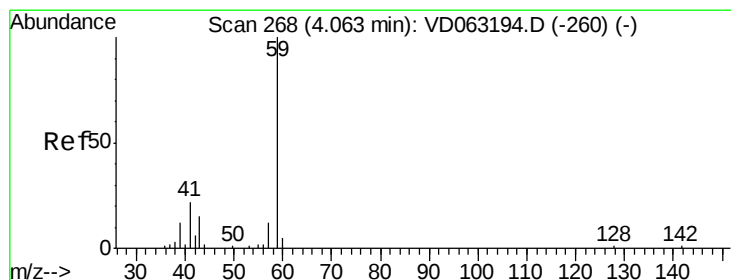
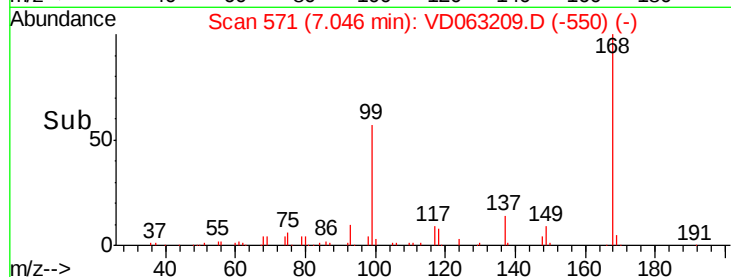
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.659 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063209.D

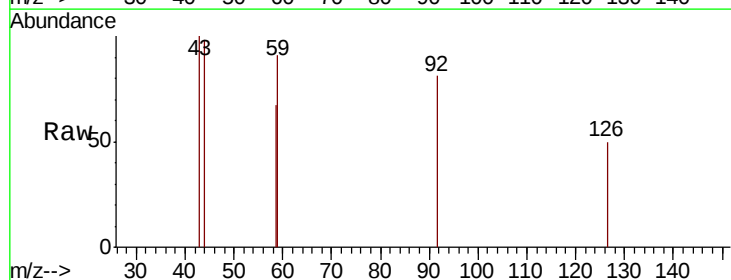
Acq: 29 Jul 2019 19:51

Tgt Ion: 59 Resp: 2122

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

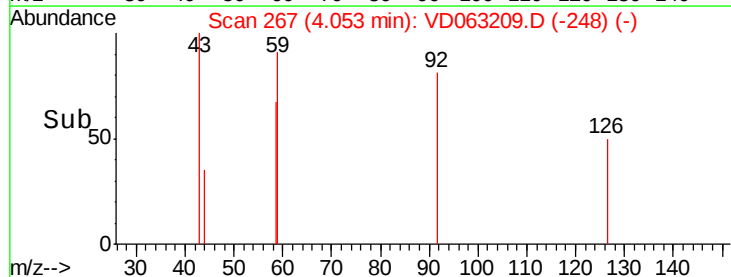
1500

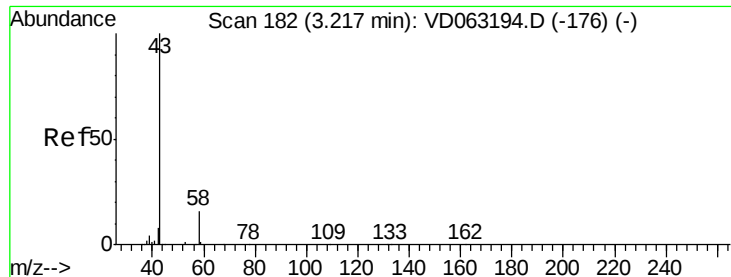
1000

500

0

Time-->





#16

Acetone

Concen: 1.349 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampleId :

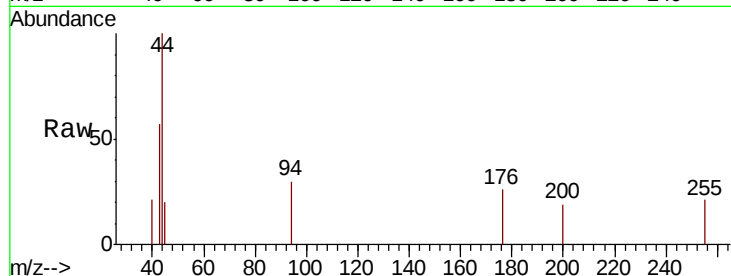
SP-2

Tot Ion: 43 Resp: 1909

Ion Ratio Lower Upper

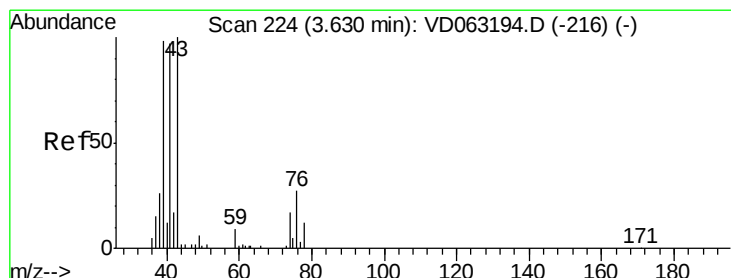
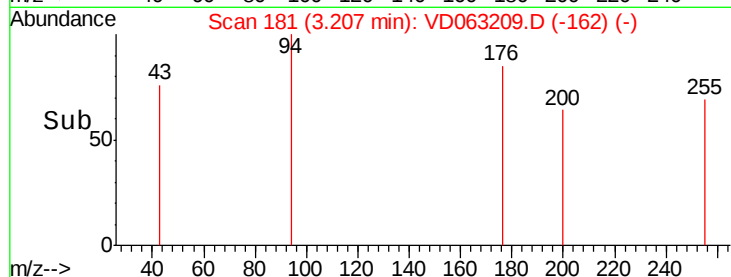
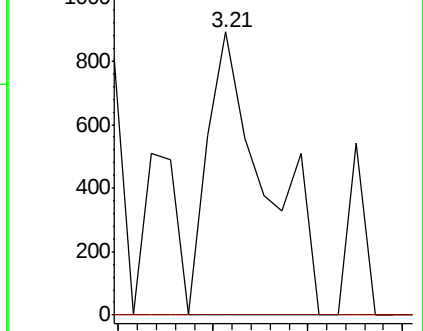
43 100

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



#18

Methyl Acetate

Concen: 1.009 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063209.D

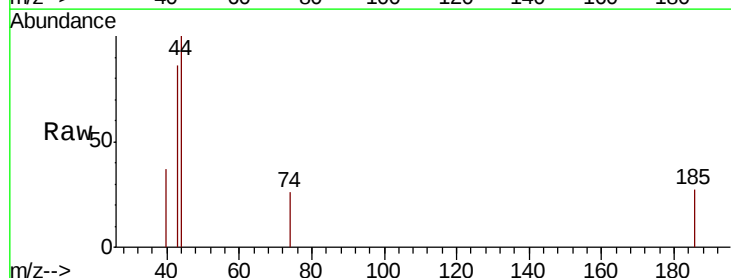
Acq: 29 Jul 2019 19:51

Tgt Ion: 43 Resp: 2742

Ion Ratio Lower Upper

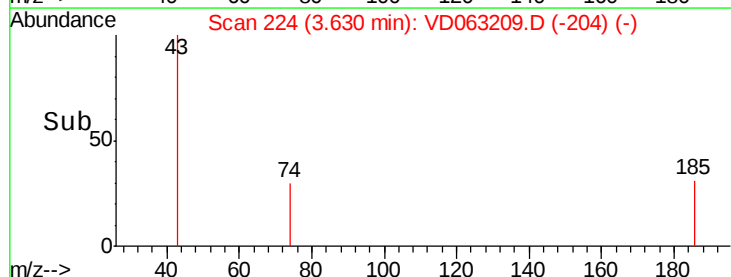
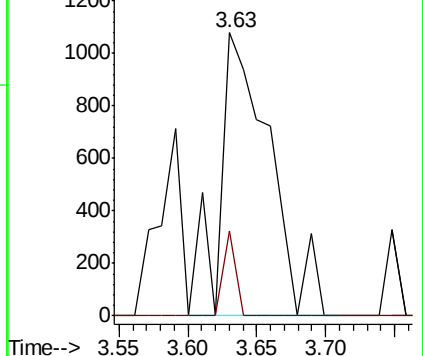
43 100

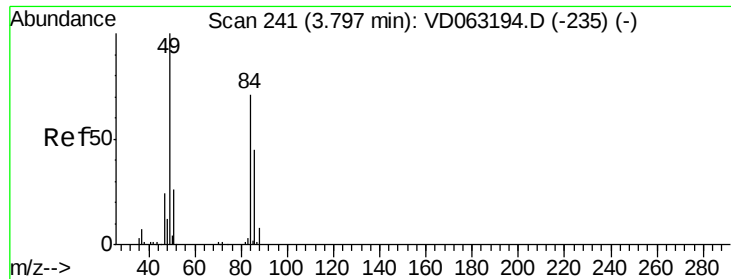
74 30.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

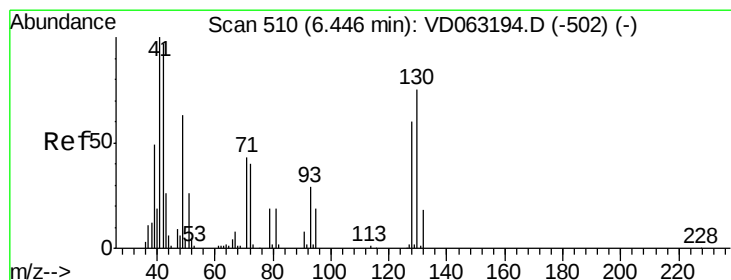
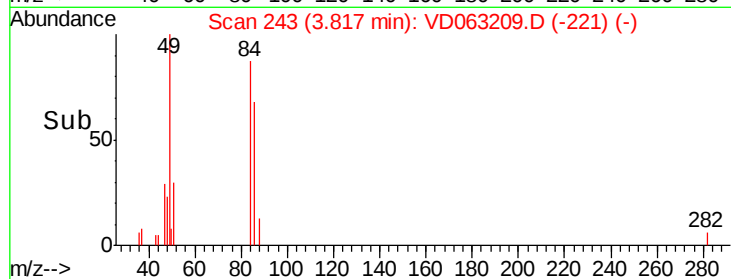
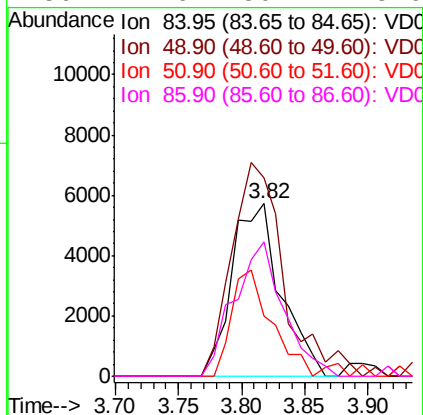
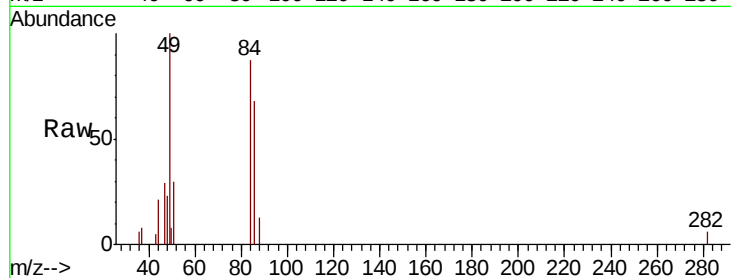




#20
Methvlene Chloride
Concen: 2.699 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063209.D
Acq: 29 Jul 2019 19:51

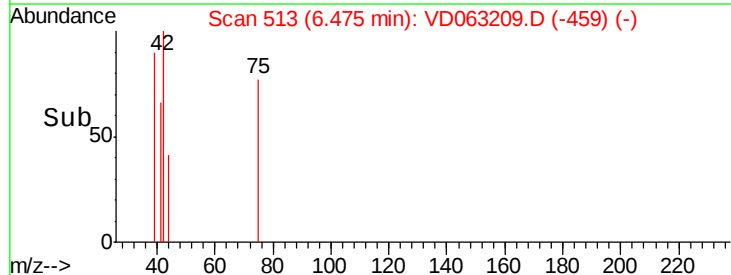
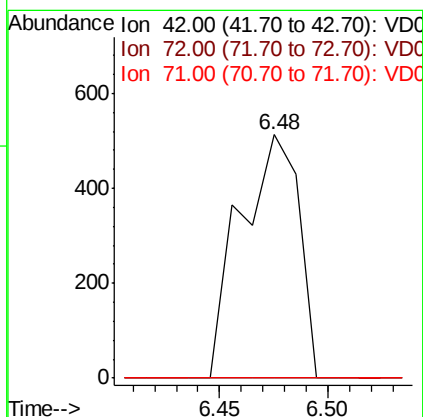
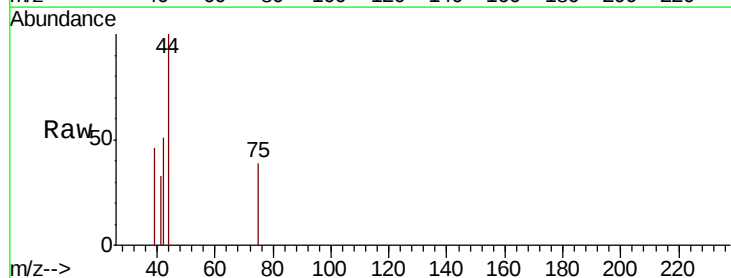
Instrument :
MSVOA_D
ClientSampleId :
SP-2

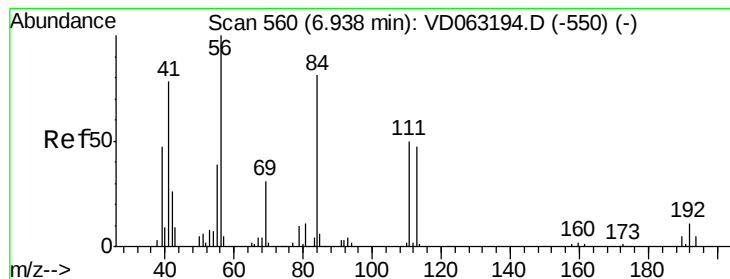
Tot Ion: 84 Resp: 15433
Ion Ratio Lower Upper
84 100
49 114.6 112.5 168.7
51 34.7 29.6 44.4
86 77.6 50.4 75.6#



#29
Tetrahydrofuran
Concen: 1.431 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063209.D
Acq: 29 Jul 2019 19:51

Tgt Ion: 42 Resp: 962
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 0.0 35.7 53.5#





#31

Cyclohexane

Concen: 2.011 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampleID :

SP-2

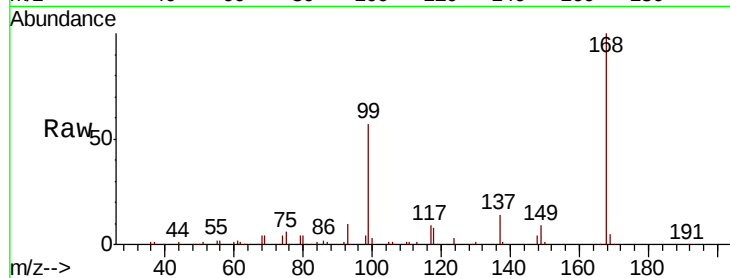
Tot Ion: 56 Resp: 13009

Ion Ratio Lower Upper

56 100

69 193.6 24.5 36.7#

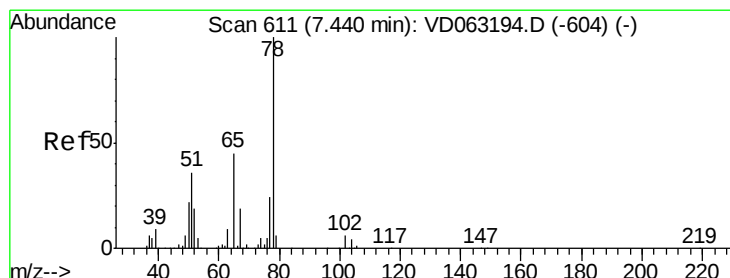
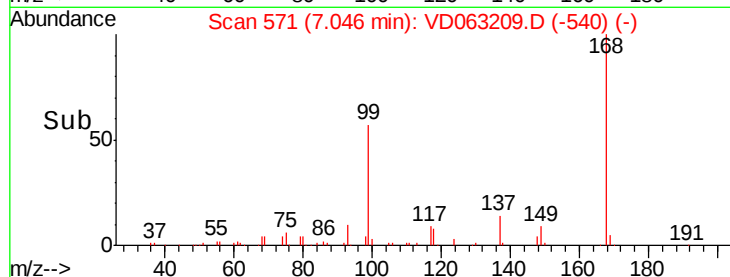
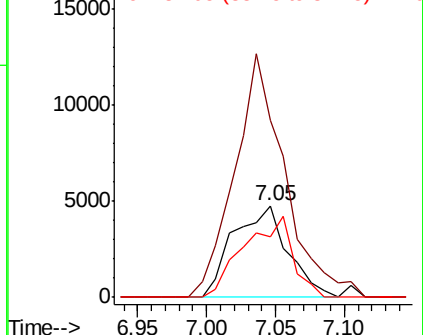
84 65.9 64.9 97.3



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: 65.853 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063209.D

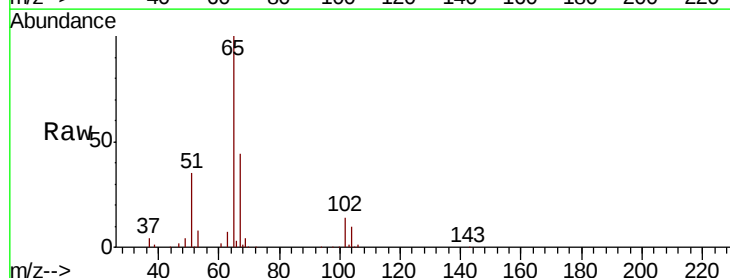
Acq: 29 Jul 2019 19:51

Tgt Ion: 65 Resp: 478169

Ion Ratio Lower Upper

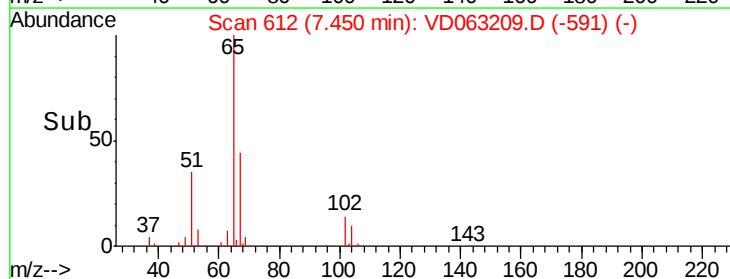
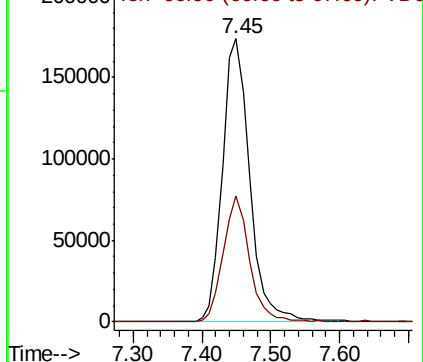
65 100

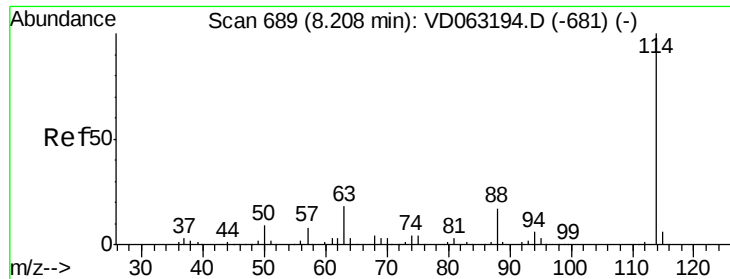
67 44.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

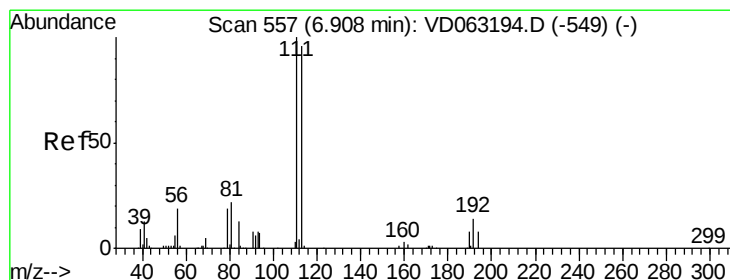
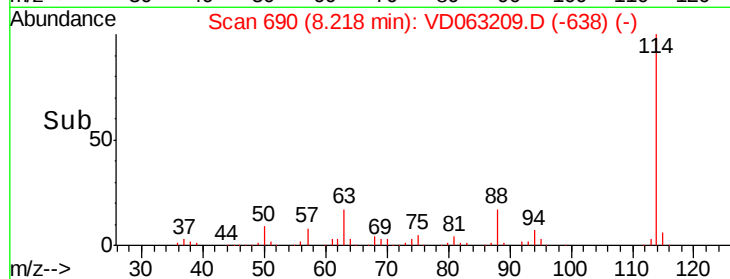
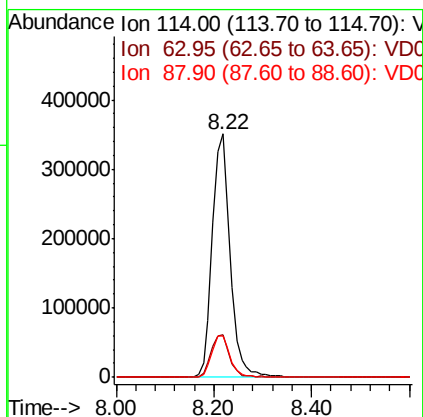
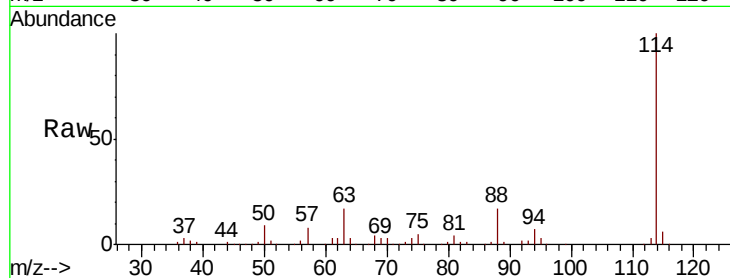




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063209.D
 Acq: 29 Jul 2019 19:51

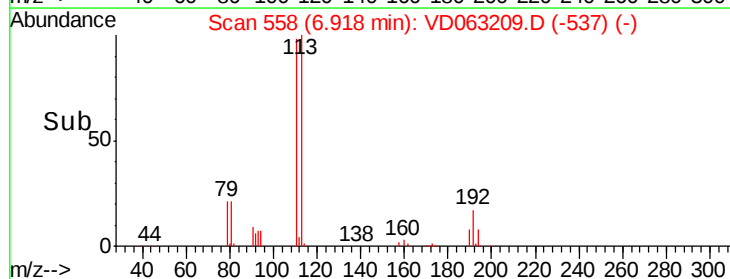
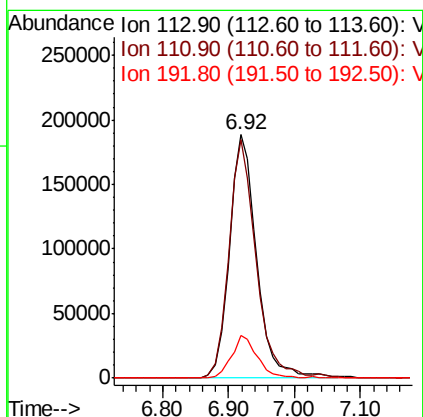
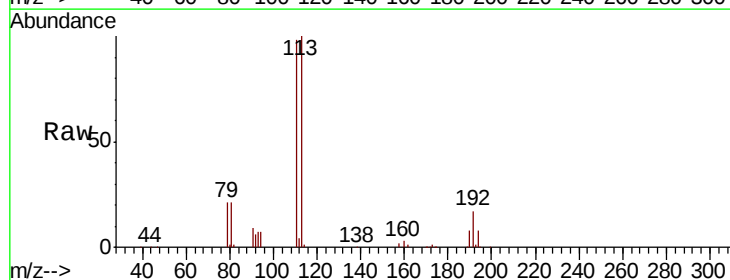
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

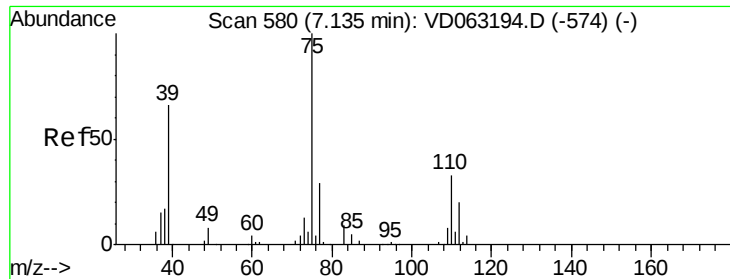
Tot Ion:114 Resp: 899894
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 16.9 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 70.756 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063209.D
 Acq: 29 Jul 2019 19:51

Tgt Ion:113 Resp: 543630
 Ion Ratio Lower Upper
 113 100
 111 98.2 83.2 124.8
 192 17.4 11.8 17.8





#36

1,1-Dichloropropene

Concen: 5.871 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampled :

SP-2

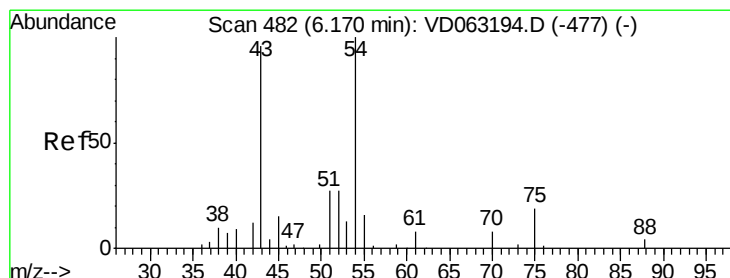
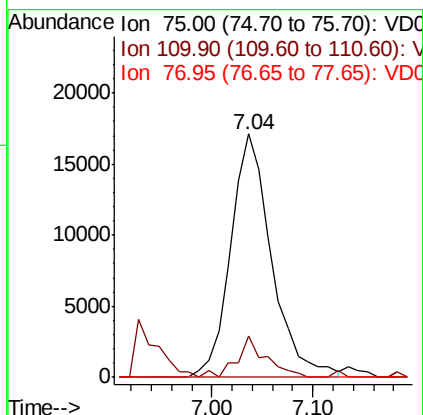
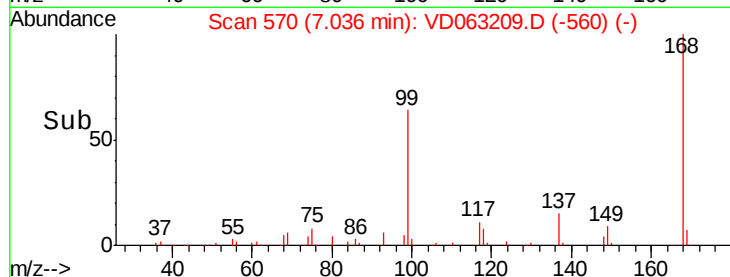
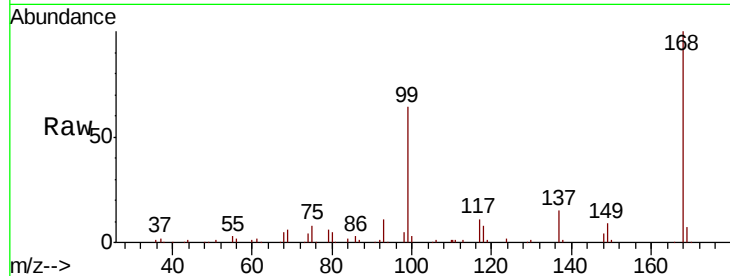
Tot Ion: 75 Resp: 48218

Ion Ratio Lower Upper

75 100

110 17.0 16.1 48.2

77 0.0 22.7 34.1#



#37

Ethyl Acetate

Concen: 1.654 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

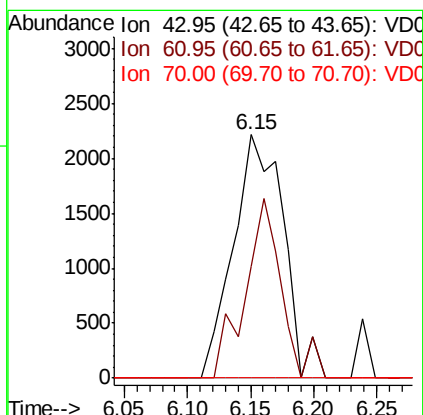
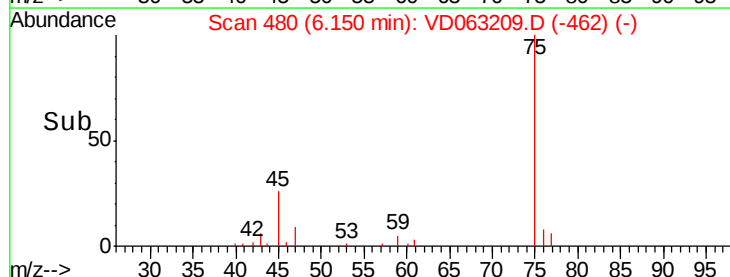
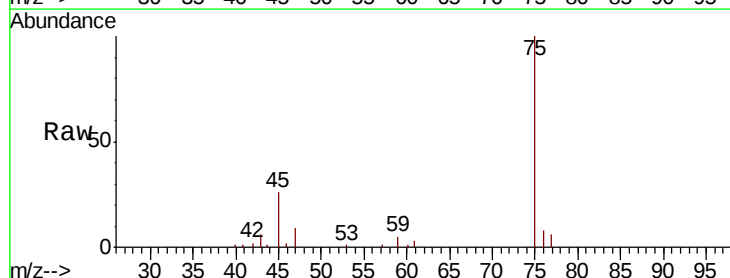
Tgt Ion: 43 Resp: 6102

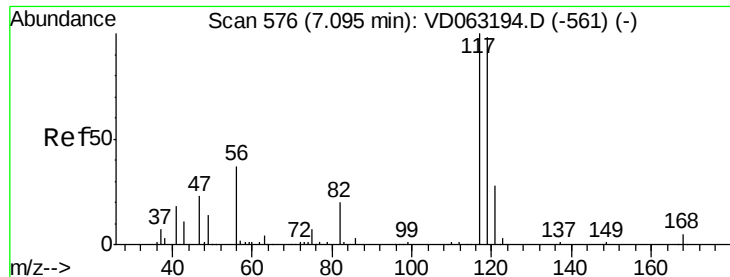
Ion Ratio Lower Upper

43 100

61 39.7 11.3 16.9#

70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.374 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampleId :

SP-2

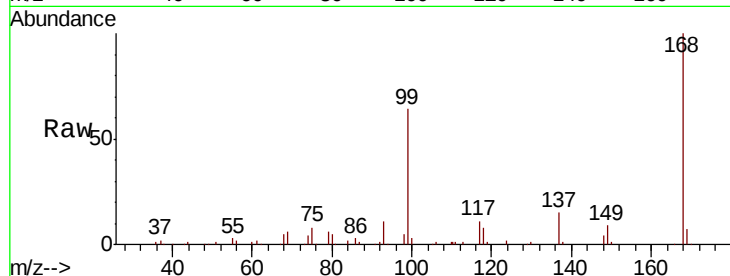
Tot Ion:117 Resp: 66446

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.2#

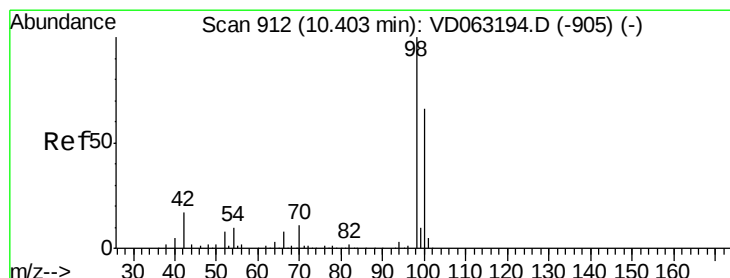
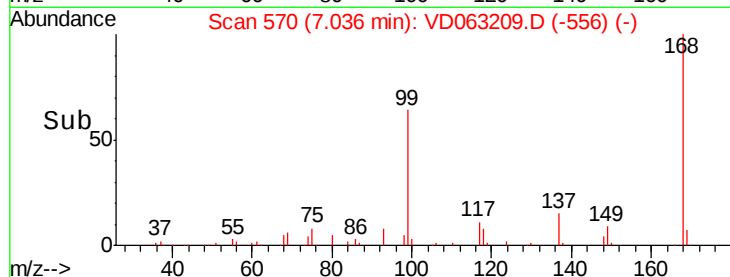
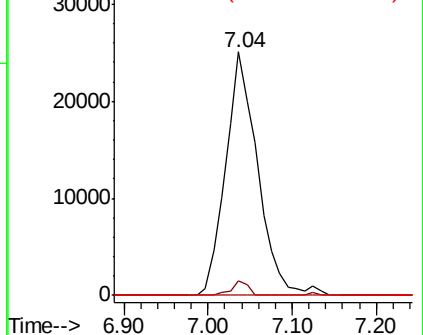
121 0.0 22.1 33.1#



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: 62.187 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063209.D

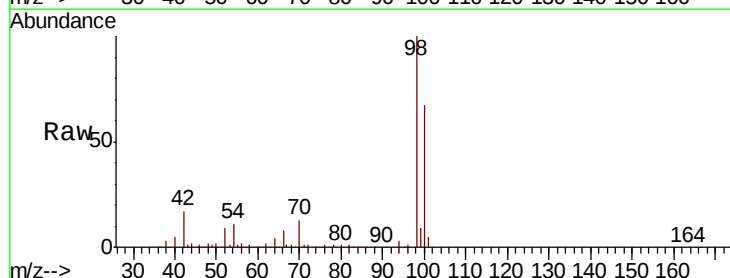
Acq: 29 Jul 2019 19:51

Tgt Ion: 98 Resp: 1069291

Ion Ratio Lower Upper

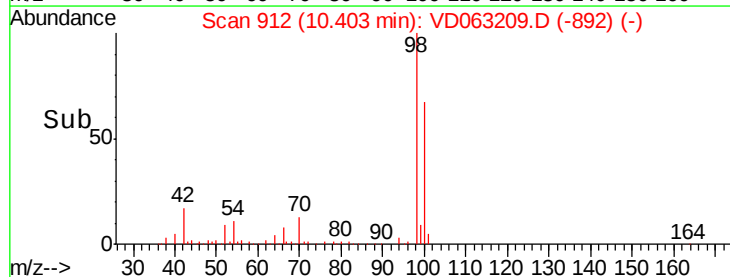
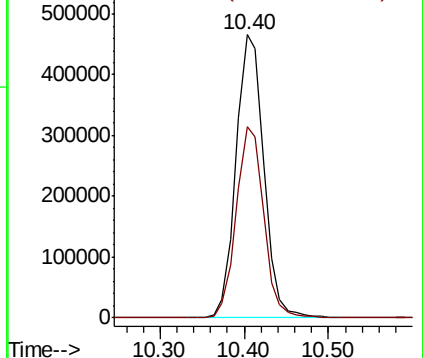
98 100

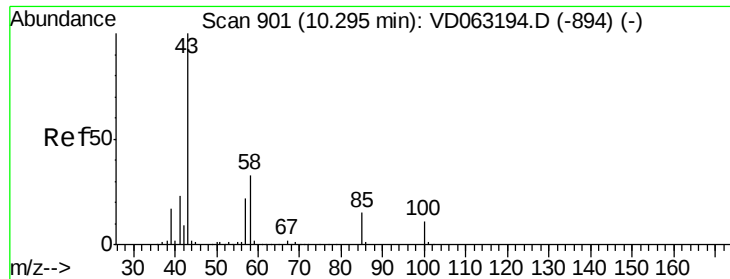
100 67.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

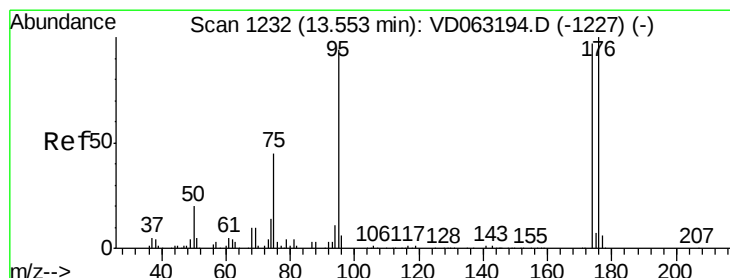
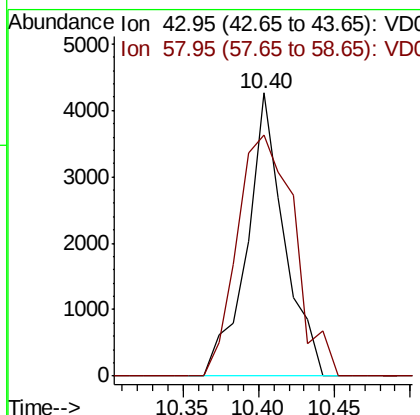
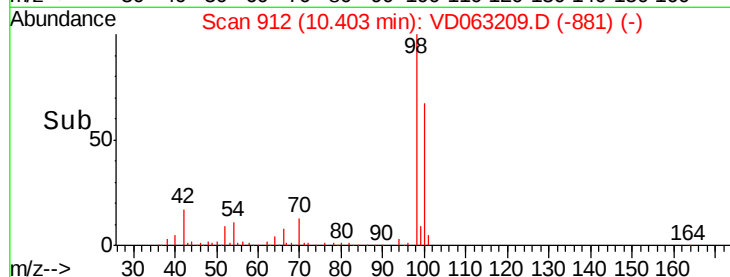
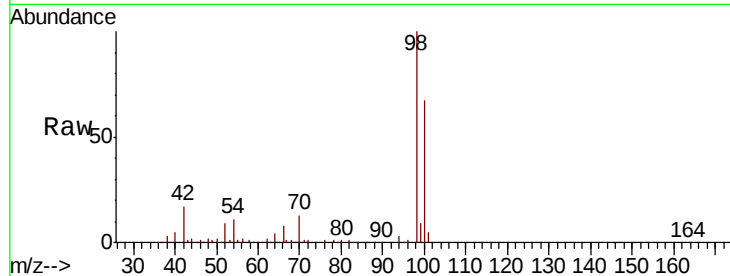




#51
4-Methyl-2-Pentanone
Concen: 2.297 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.11 min
Lab File: VD063209.D
Acq: 29 Jul 2019 19:51

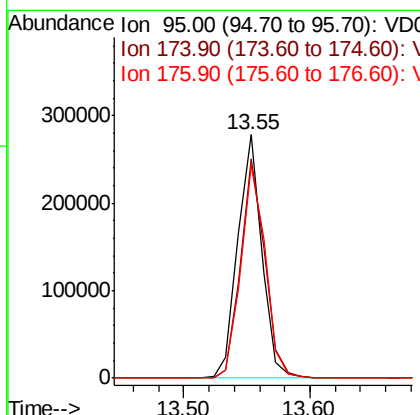
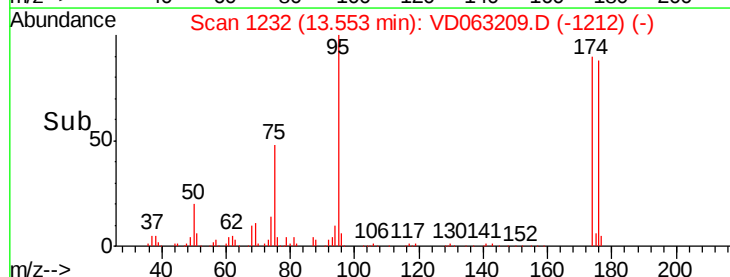
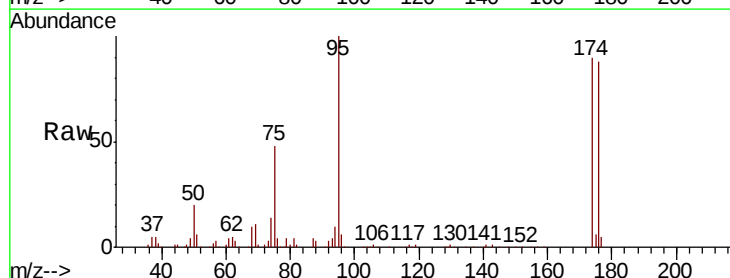
Instrument :
MSVOA_D
ClientSampleId :
SP-2

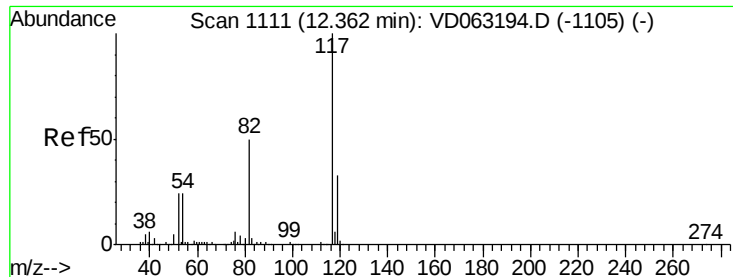
Tot Ion: 43 Resp: 7364
Ion Ratio Lower Upper
43 100
58 85.0 26.2 39.2#



#62
4-Bromofluorobenzene
Concen: 46.256 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063209.D
Acq: 29 Jul 2019 19:51

Tgt Ion: 95 Resp: 362442
Ion Ratio Lower Upper
95 100
174 90.3 0.0 205.4
176 87.5 0.0 211.8

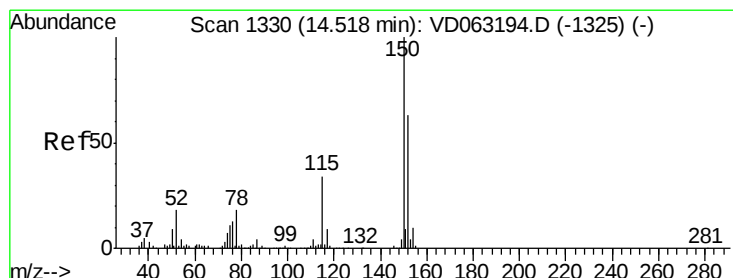
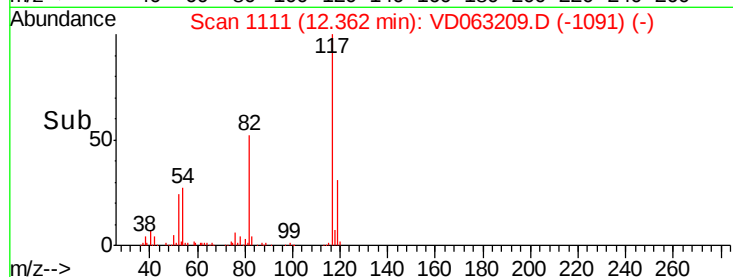
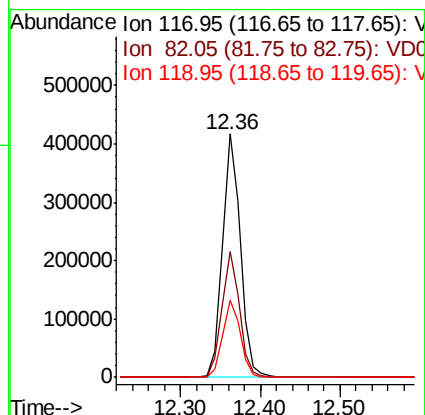
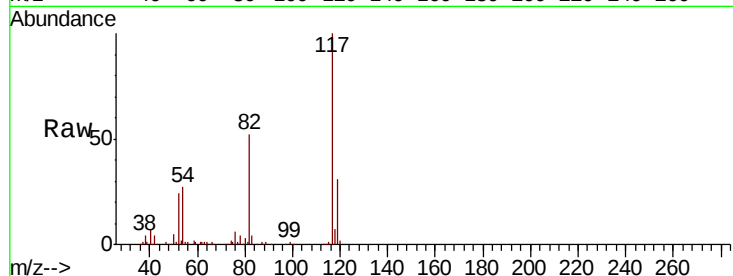




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063209.D
Acq: 29 Jul 2019 19:51

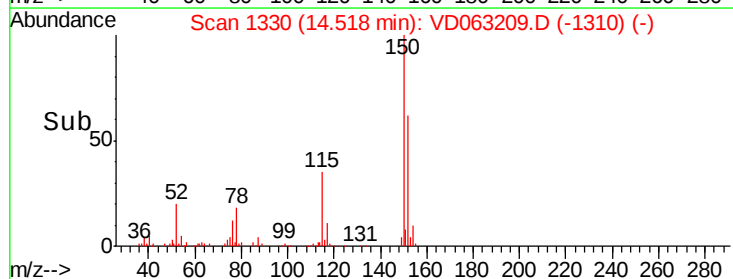
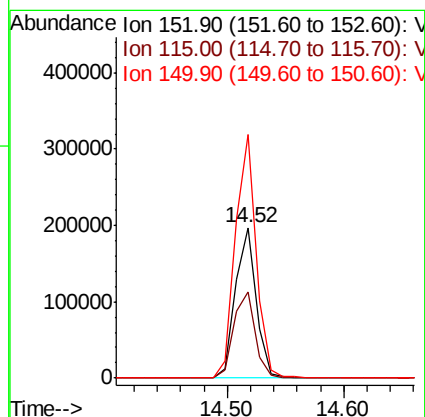
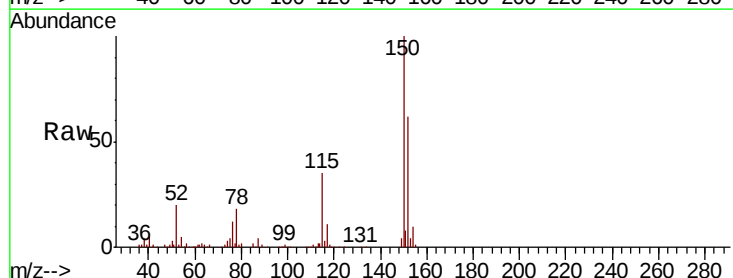
Instrument :
MSVOA_D
ClientSampled :
SP-2

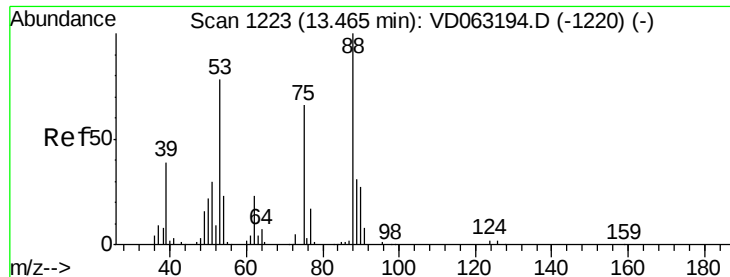
Tot Ion:117 Resp: 664978
Ion Ratio Lower Upper
117 100
82 51.7 40.1 60.1
119 31.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063209.D
Acq: 29 Jul 2019 19:51

Tgt Ion:152 Resp: 245030
Ion Ratio Lower Upper
152 100
115 57.1 27.5 82.4
150 161.7 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 218.007 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampleId :

SP-2

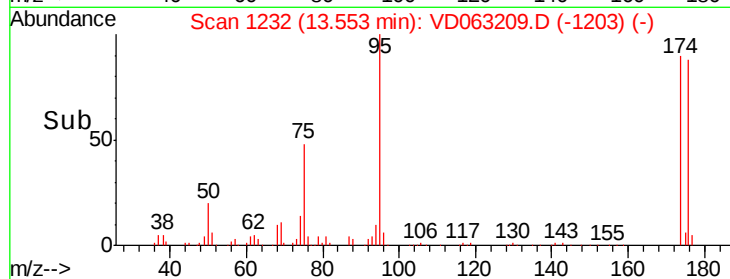
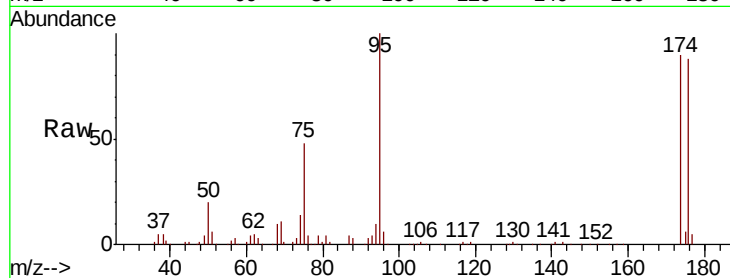
Tot Ion: 75 Resp: 178165

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

