

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063228.D
 Acq On : 30 Jul 2019 6:16
 Operator : VA/AP
 Sample : K3622-15
 Misc : 6.16g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072919-B

Quant Time: Jul 30 08:40:41 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	832785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1139779	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	820245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	412184	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	466112	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
35) Dibromofluoromethane	6.92	113	500700	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
50) Toluene-d8	10.40	98	1000894	45.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.92%	
62) 4-Bromofluorobenzene	13.55	95	457197	46.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.14%	

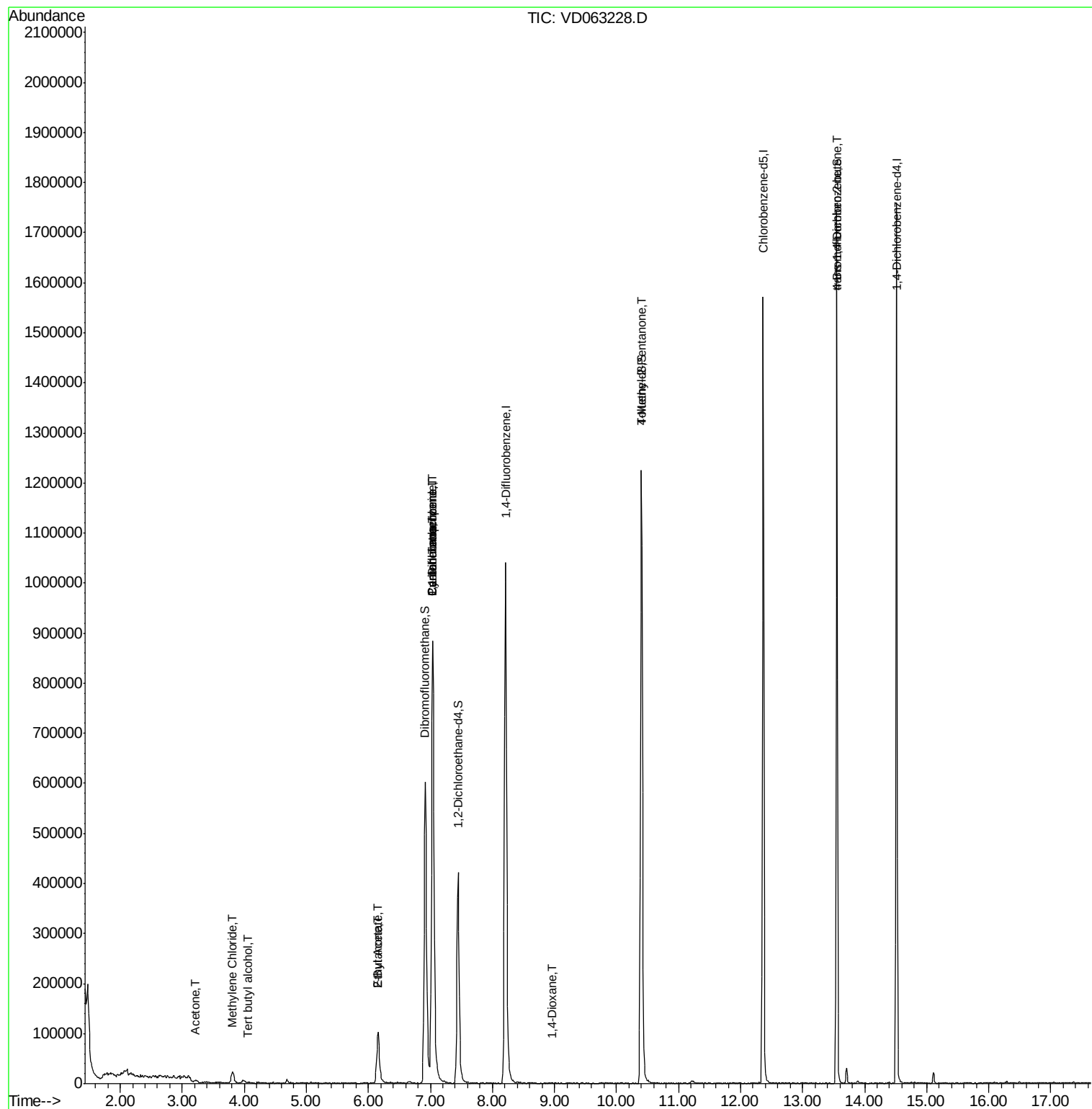
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1989	4.905	ug/l #	69
16) Acetone	3.22	43	6964	3.868	ug/l #	90
20) Methylene Chloride	3.82	84	14587	2.004	ug/l	90
25) 2-Butanone	6.15	43	7792	4.312	ug/l #	56
31) Cyclohexane	7.04	56	20954	2.546	ug/l #	3
36) 1,1-Dichloropropene	7.04	75	64436	6.195	ug/l #	57
37) Ethyl Acetate	6.15	43	8042	1.721	ug/l #	13
38) Carbon Tetrachloride	7.04	117	84635	5.405	ug/l #	14
49) 1,4-Dioxane	8.98	88	209	2.265	ug/l #	11
51) 4-Methyl-2-Pentanone	10.40	43	6531	1.609	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	210694	153.259	ug/l #	3

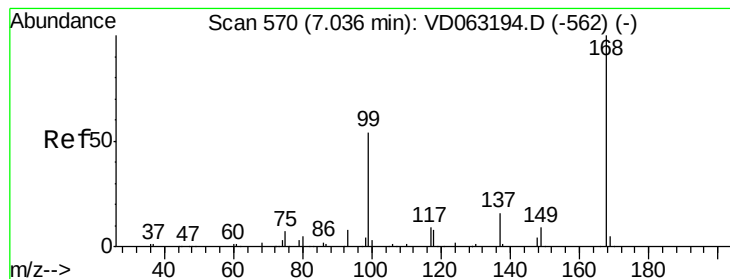
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063228.D
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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: VD063228.D

Acq: 30 Jul 2019 6:16

Instrument :

MSVOA_D

ClientSampleId :

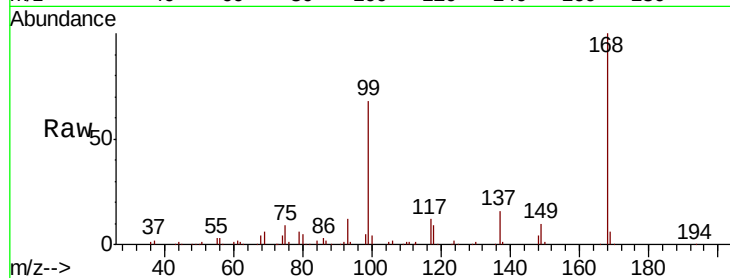
OR-03-072919-B

Tot Ion:168 Resp: 832785

Ion Ratio Lower Upper

168 100

99 68.4 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

300000

250000

200000

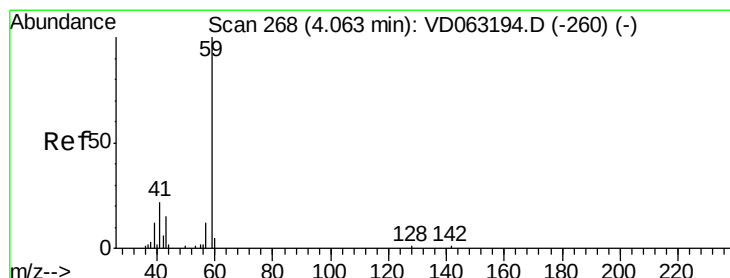
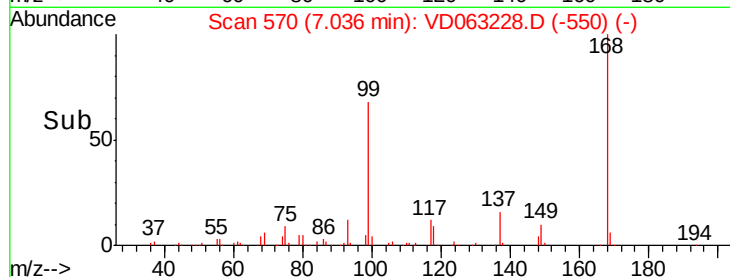
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.905 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD063228.D

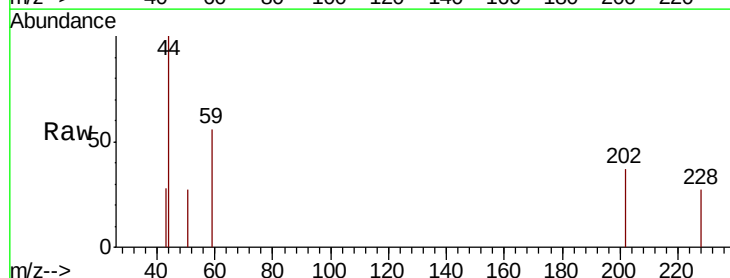
Acq: 30 Jul 2019 6:16

Tgt Ion: 59 Resp: 1989

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

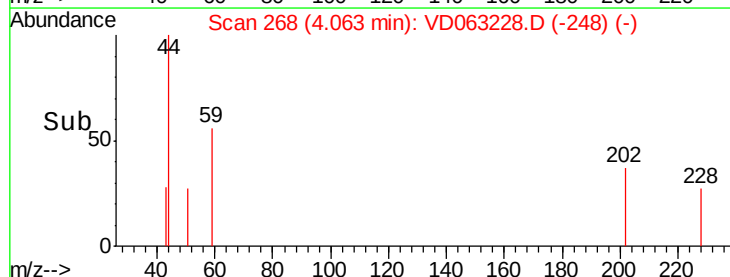
4.06

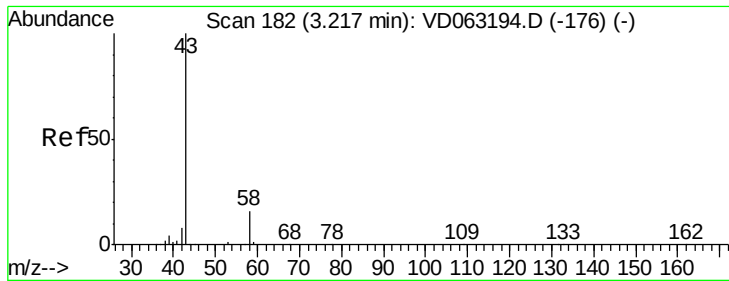
1000

500

0

Time-->

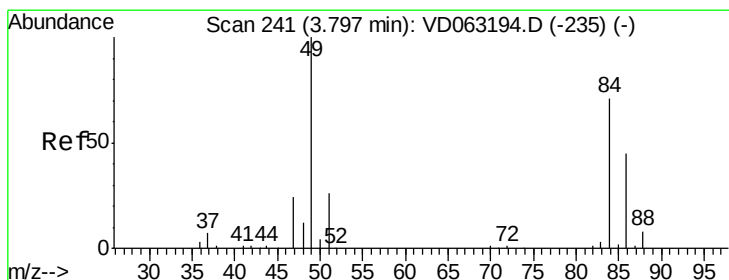
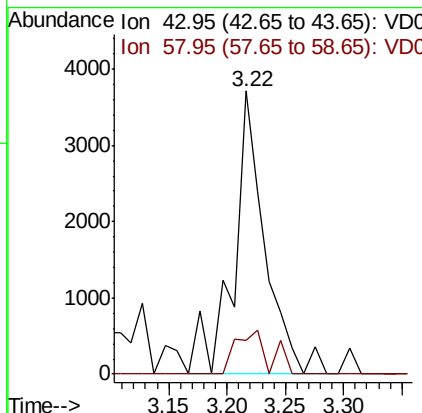
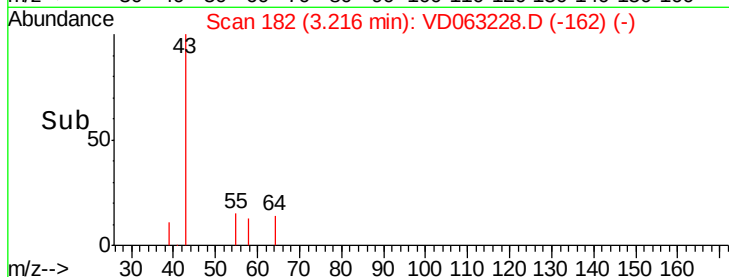
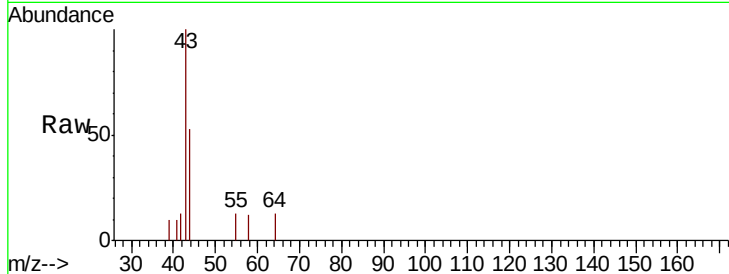




#16
Acetone
Concen: 3.868 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.00 min
Lab File: VD063228.D
Acq: 30 Jul 2019 6:16

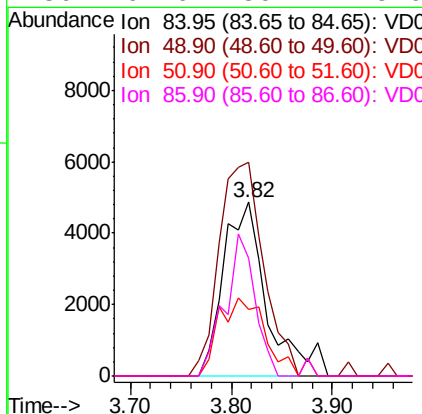
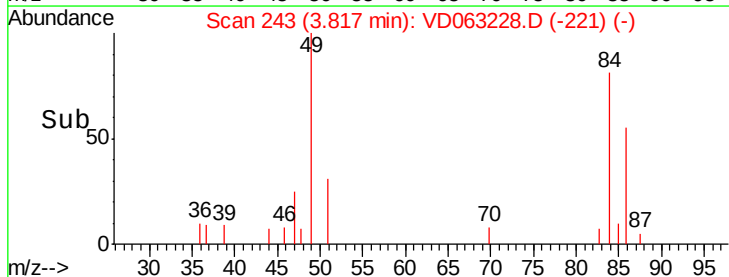
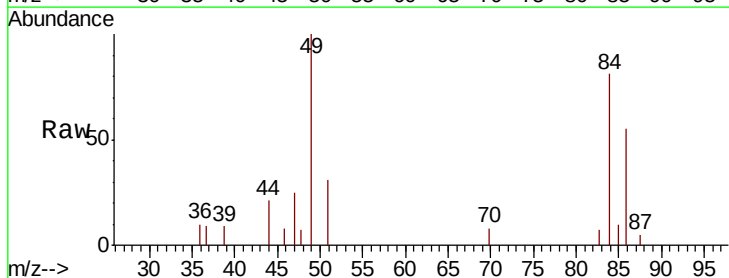
Instrument :
MSVOA_D
ClientSampleId :
OR-03-072919-B

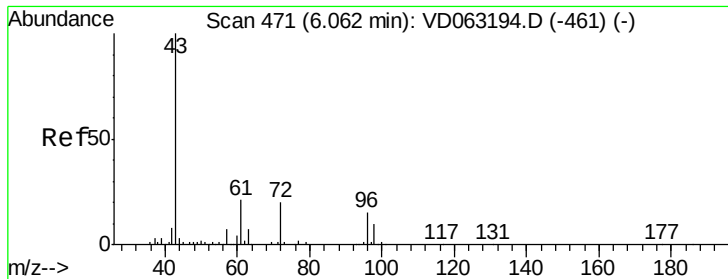
Tot Ion: 43 Resp: 6964
Ion Ratio Lower Upper
43 100
58 11.7 13.0 19.4#



#20
Methylene Chloride
Concen: 2.004 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063228.D
Acq: 30 Jul 2019 6:16

Tgt Ion: 84 Resp: 14587
Ion Ratio Lower Upper
84 100
49 123.1 112.5 168.7
51 38.4 29.6 44.4
86 67.6 50.4 75.6





#25

2-Butanone

Concen: 4.312 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.09 min

Lab File: VD063228.D

Acq: 30 Jul 2019 6:16

Instrument :

MSVOA_D

ClientSampleId :

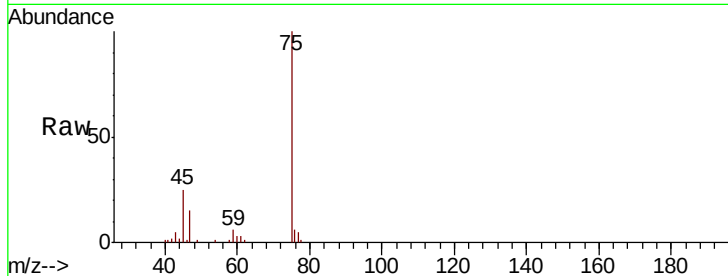
OR-03-072919-B

Tot Ion: 43 Resp: 7792

Ion Ratio Lower Upper

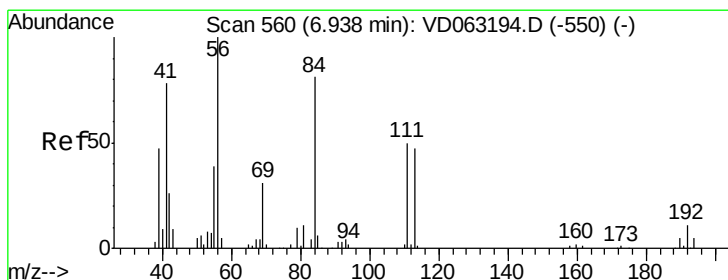
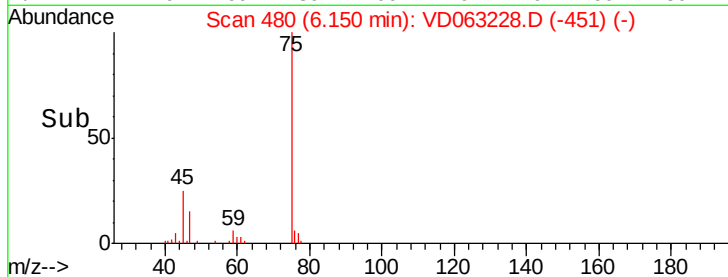
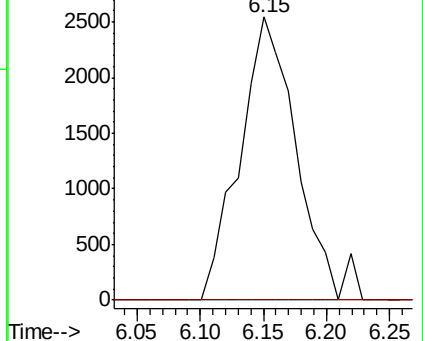
43 100

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: 2.546 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063228.D

Acq: 30 Jul 2019 6:16

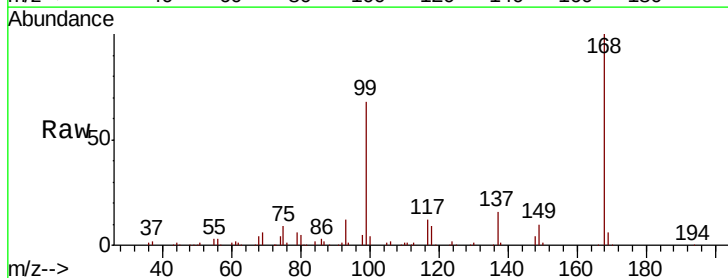
Tgt Ion: 56 Resp: 20954

Ion Ratio Lower Upper

56 100

69 194.6 24.5 36.7#

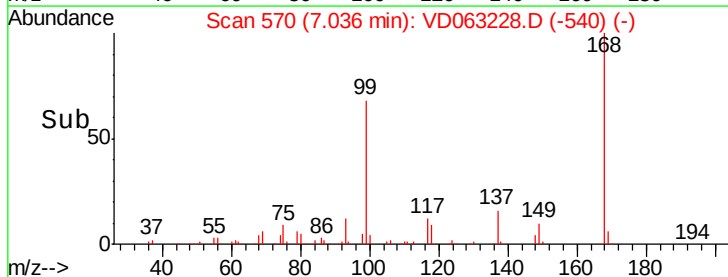
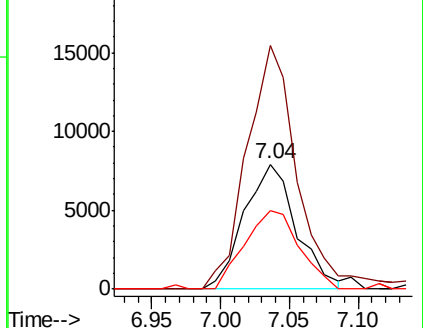
84 62.5 64.9 97.3#

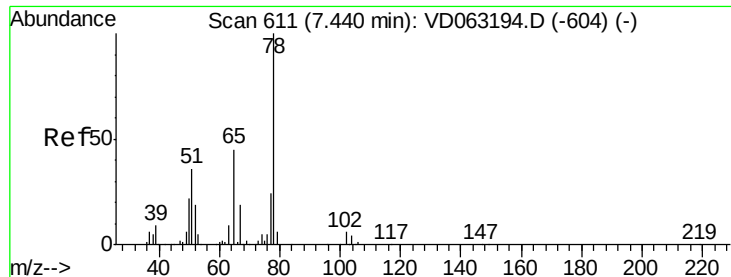


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

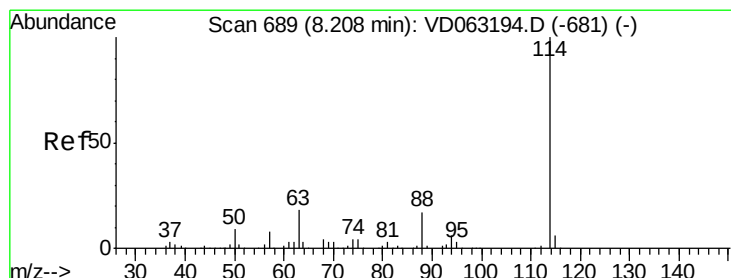
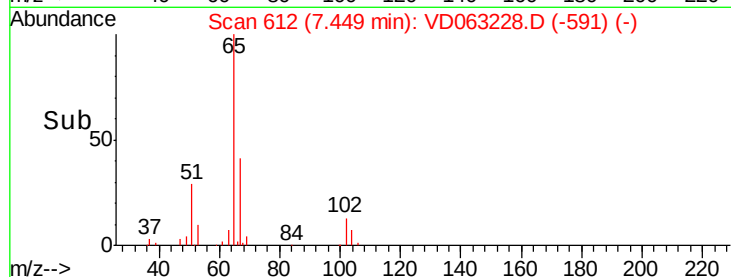
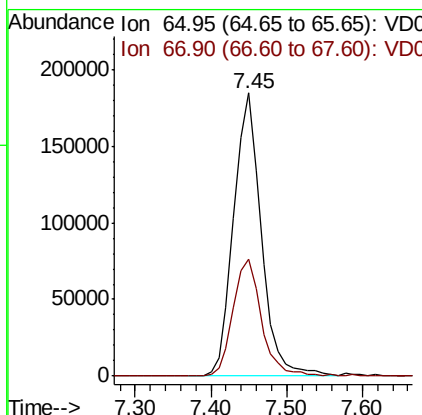
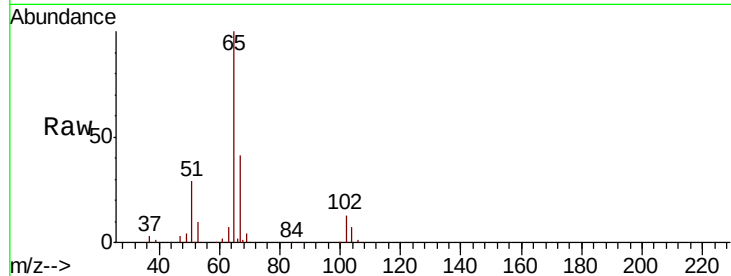




#33
 1,2-Dichloroethane-d4
 Concen: 50.442 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063228.D
 Acq: 30 Jul 2019 6:16

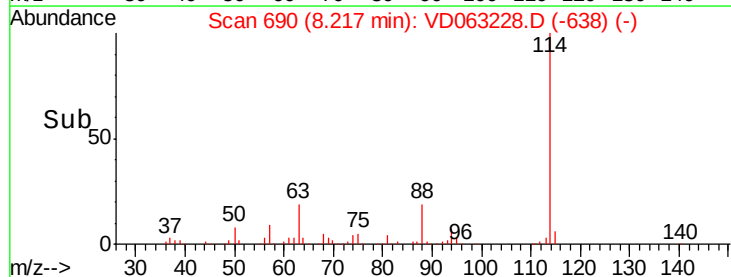
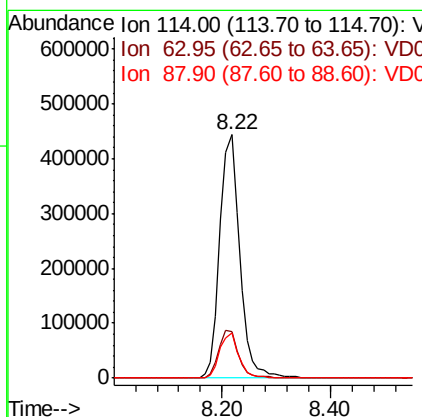
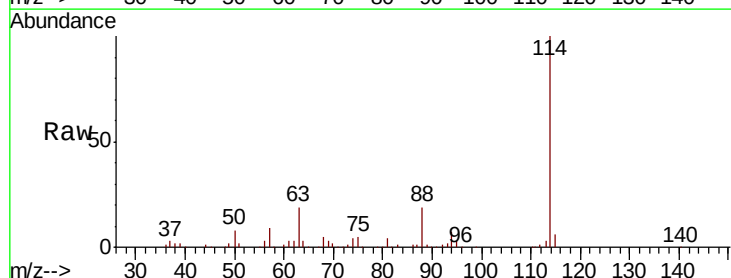
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072919-B

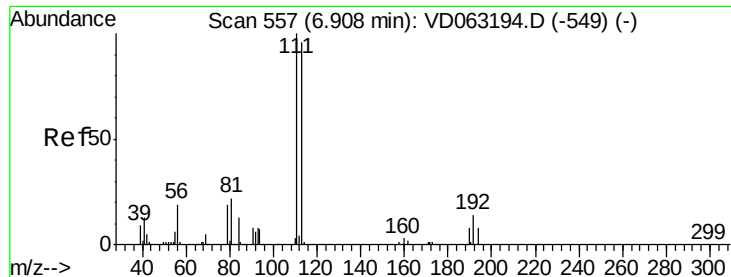
Tot Ion: 65 Resp: 466112
 Ion Ratio Lower Upper
 65 100
 67 41.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063228.D
 Acq: 30 Jul 2019 6:16

Tgt Ion: 114 Resp: 1139779
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.2
 88 18.8 0.0 34.6

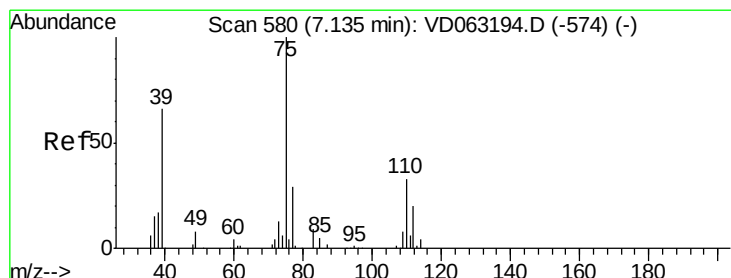
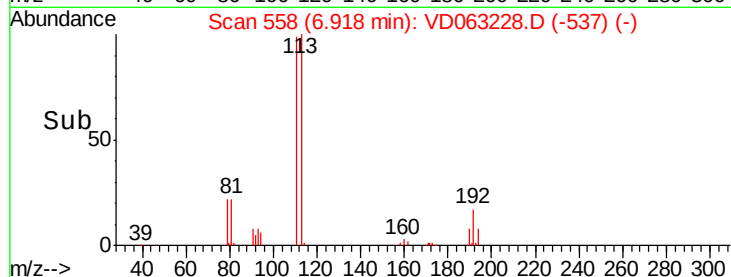
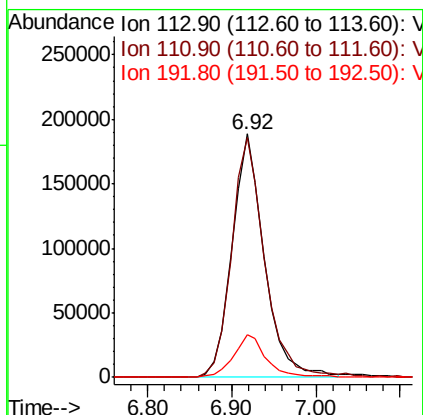
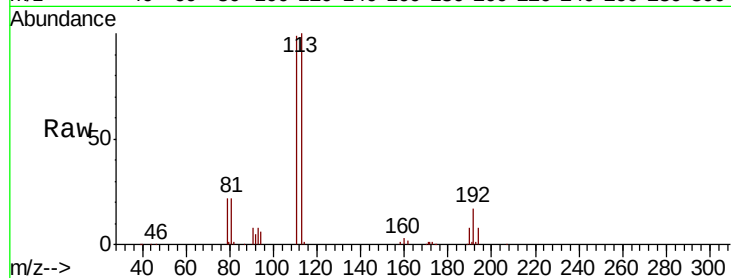




#35
 Dibromofluoromethane
 Concen: 51.453 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063228.D
 Acq: 30 Jul 2019 6:16

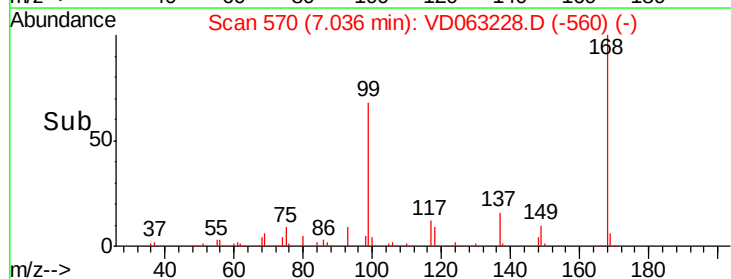
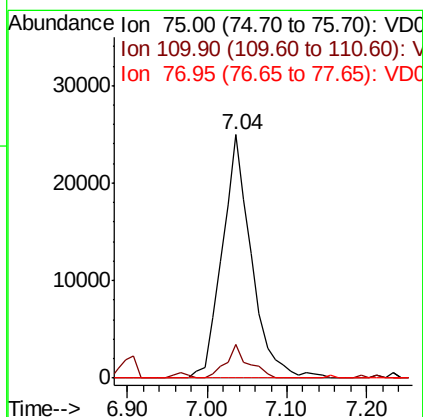
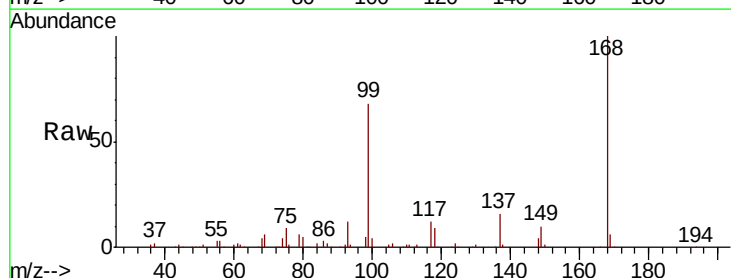
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072919-B

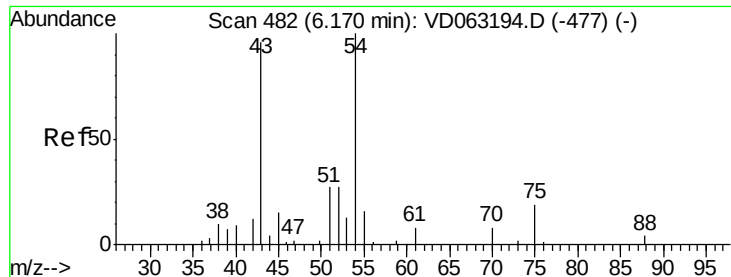
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.5	83.2	124.8
192	17.4	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.195 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063228.D
 Acq: 30 Jul 2019 6:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.6	16.1	48.2#
77	0.0	22.7	34.1#

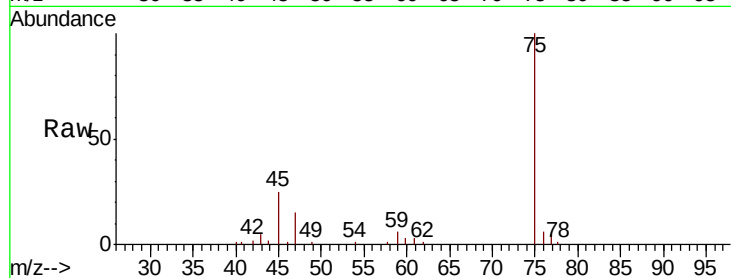




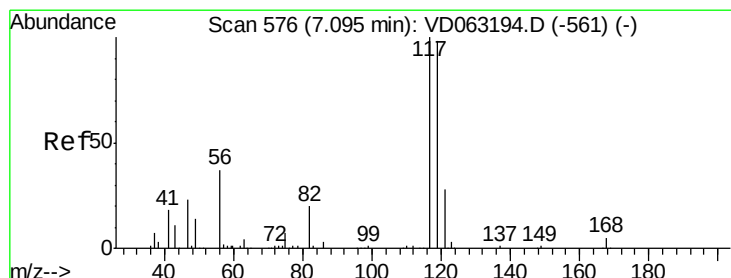
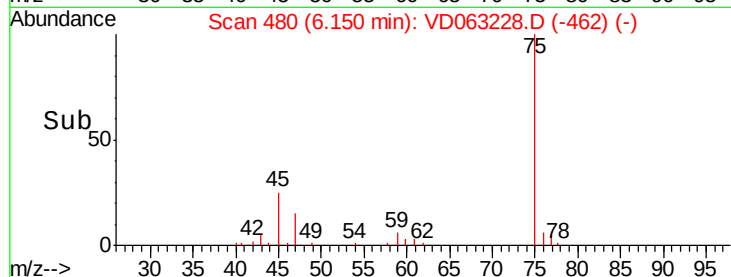
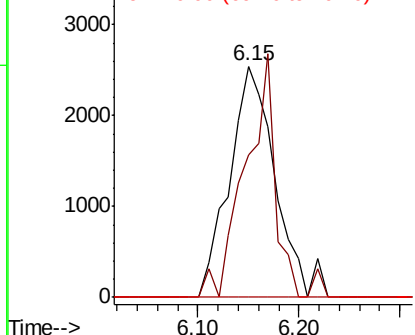
#37
Ethyl Acetate
Concen: 1.721 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.02 min
Lab File: VD063228.D
Acq: 30 Jul 2019 6:16

Instrument :
MSVOA_D
ClientSampleId :
OR-03-072919-B

Tot Ion: 43 Resp: 8042
Ion Ratio Lower Upper
43 100
61 62.0 11.3 16.9#
70 0.0 5.1 7.7#

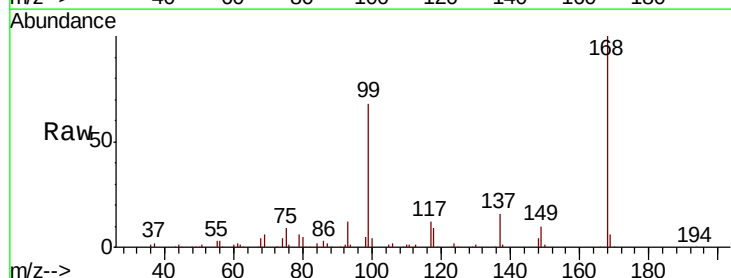


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

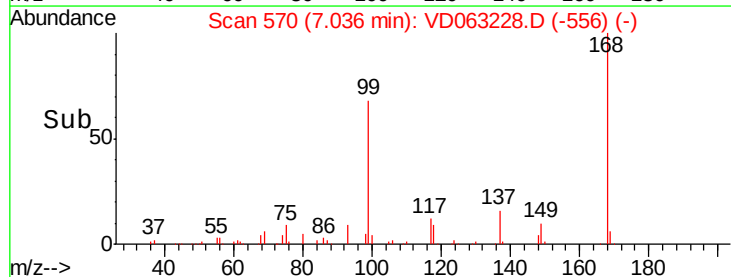
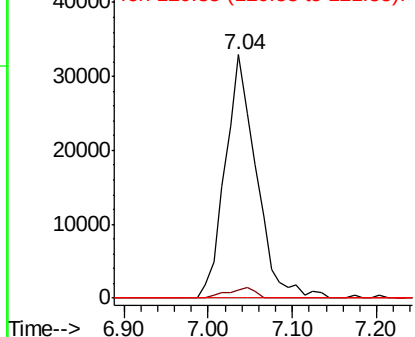


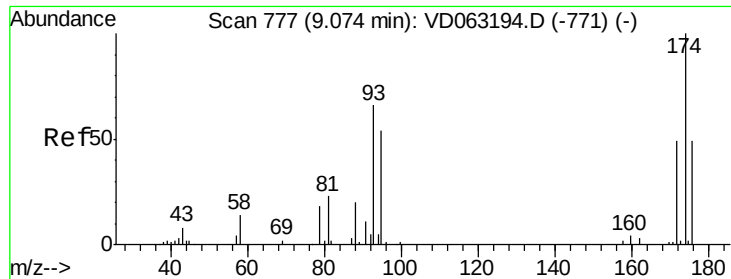
#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063228.D
Acq: 30 Jul 2019 6:16

Tgt Ion: 117 Resp: 84635
Ion Ratio Lower Upper
117 100
119 3.2 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

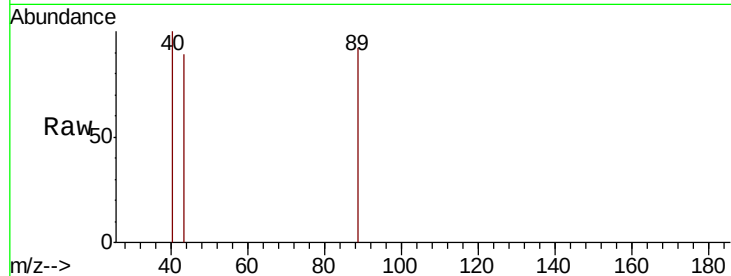




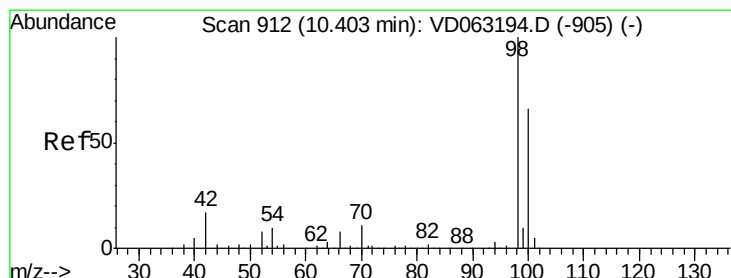
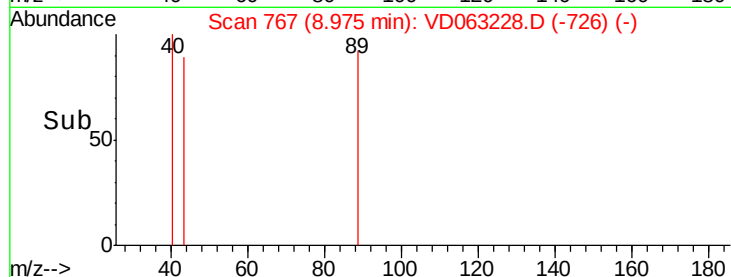
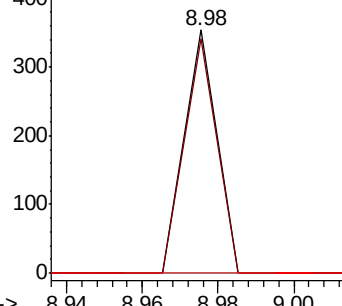
#49
 1,4-Dioxane
 Concen: 2.265 ug/l
 RT: 8.98 min Scan# 767
 Delta R.T. -0.10 min
 Lab File: VD063228.D
 Acq: 30 Jul 2019 6:16

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072919-B

Tot Ion: 88 Resp: 209
 Ion Ratio Lower Upper
 88 100
 43 96.3 30.7 46.1#
 58 0.0 56.5 84.7#

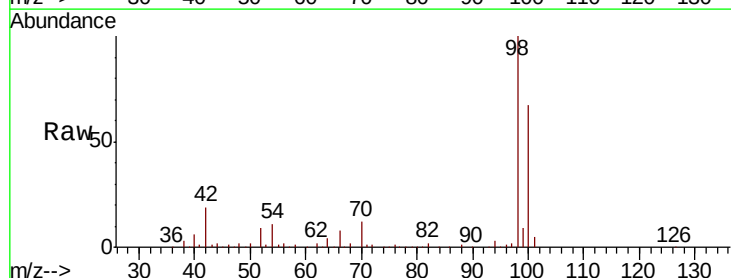


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

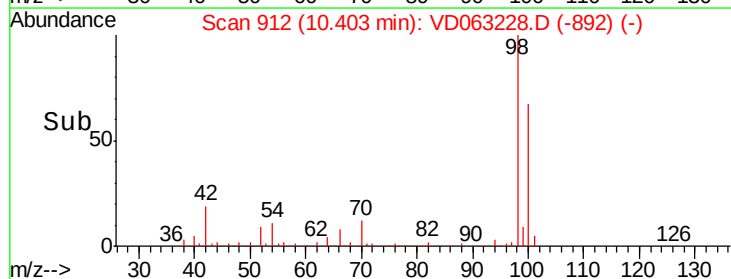
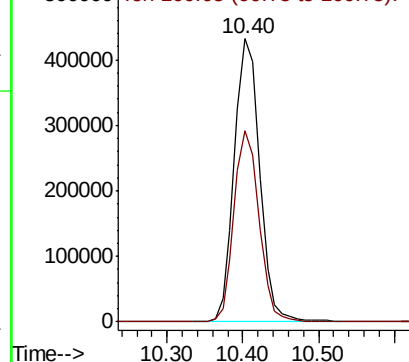


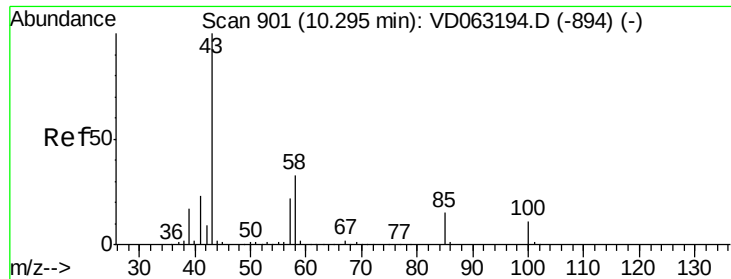
#50
 Toluene-d8
 Concen: 45.958 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD063228.D
 Acq: 30 Jul 2019 6:16

Tgt Ion: 98 Resp: 1000894
 Ion Ratio Lower Upper
 98 100
 100 67.5 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.609 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD063228.D

Acq: 30 Jul 2019 6:16

Instrument :

MSVOA_D

ClientSampleId :

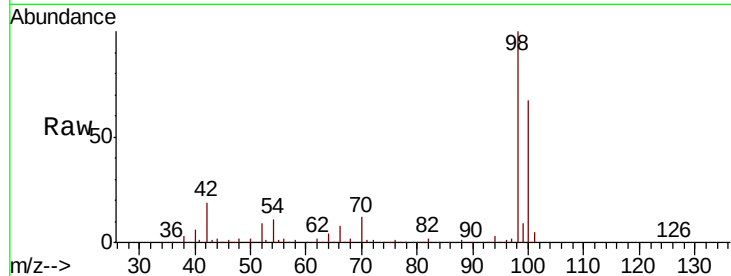
OR-03-072919-B

Tot Ion: 43 Resp: 6531

Ion Ratio Lower Upper

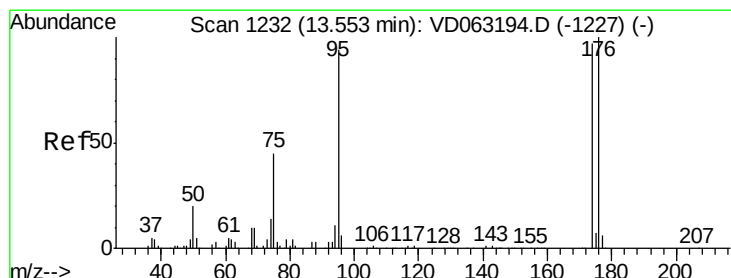
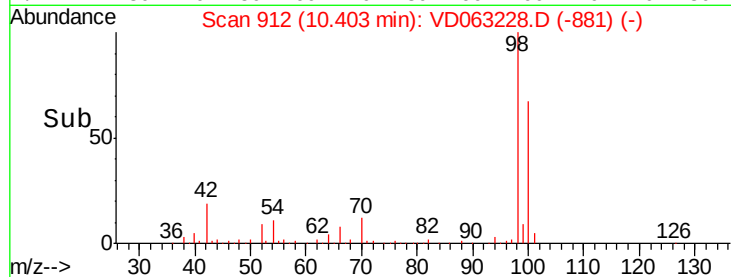
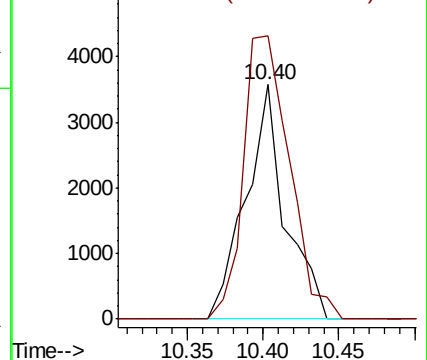
43 100

58 120.7 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 46.068 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063228.D

Acq: 30 Jul 2019 6:16

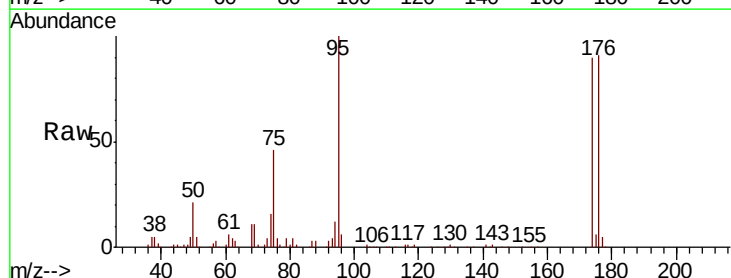
Tgt Ion: 95 Resp: 457197

Ion Ratio Lower Upper

95 100

174 90.4 0.0 205.4

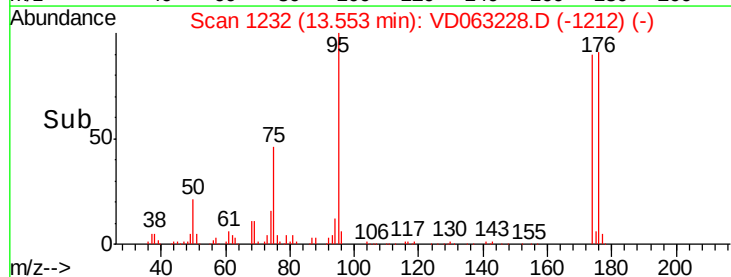
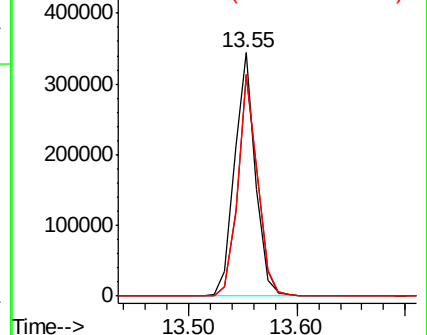
176 91.3 0.0 211.8

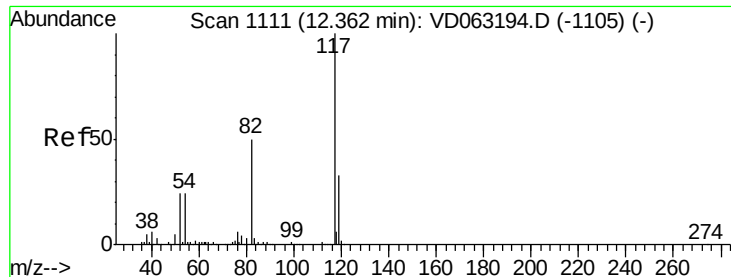


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

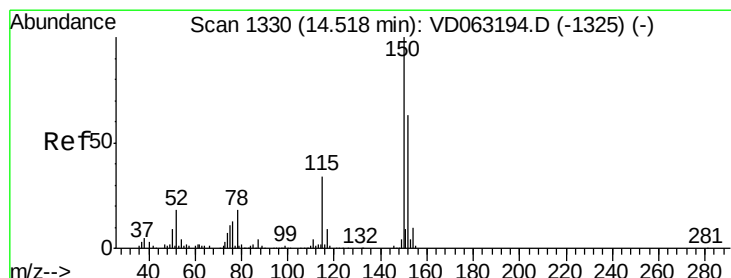
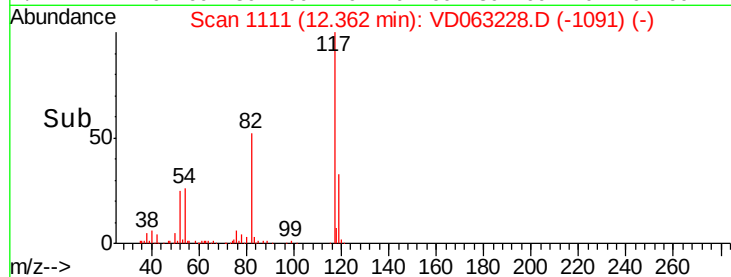
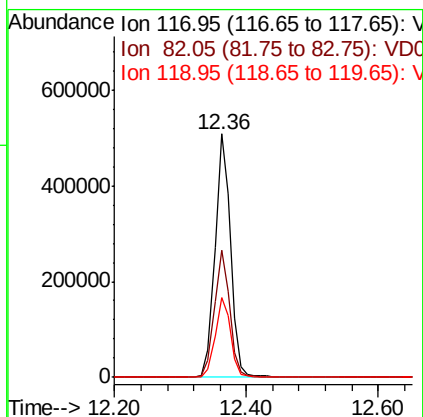
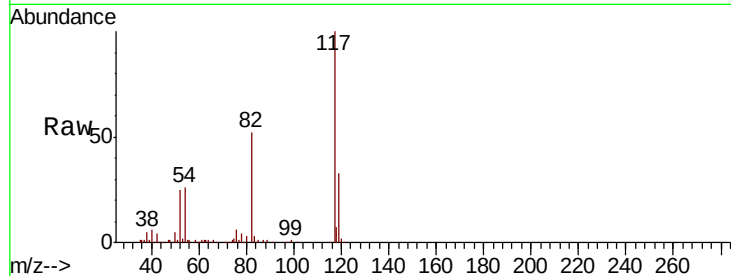




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063228.D
Acq: 30 Jul 2019 6:16

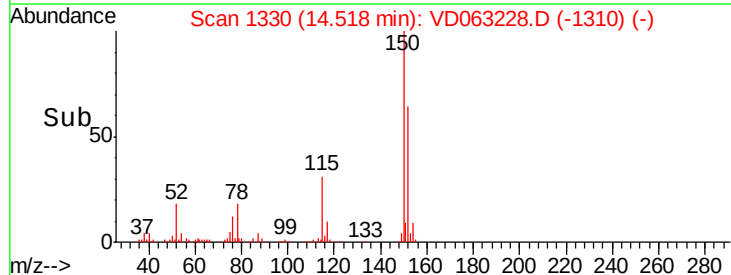
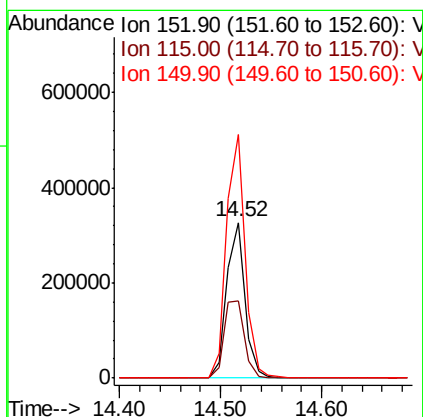
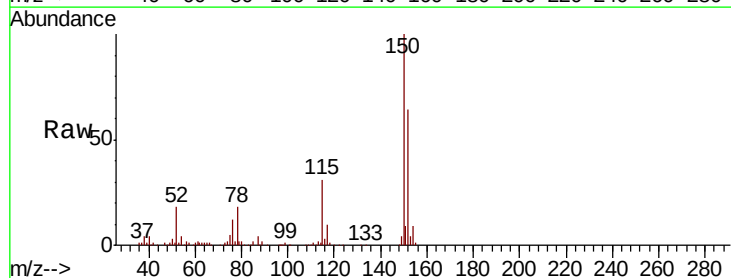
Instrument :
MSVOA_D
ClientSampleId :
OR-03-072919-B

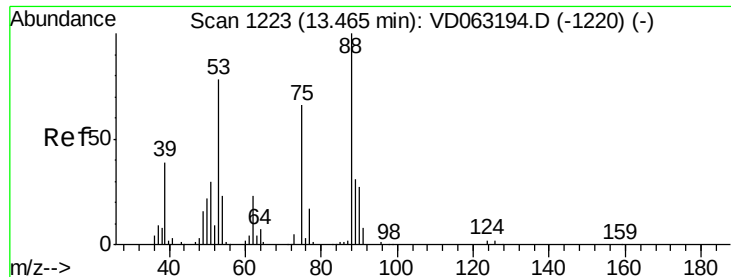
Tot Ion:117 Resp: 820245
Ion Ratio Lower Upper
117 100
82 52.1 40.1 60.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063228.D
Acq: 30 Jul 2019 6:16

Tgt Ion:152 Resp: 412184
Ion Ratio Lower Upper
152 100
115 49.2 27.5 82.4
150 156.4 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 153.259 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063228.D

Acq: 30 Jul 2019 6:16

Instrument :

MSVOA_D

ClientSampleId :

OR-03-072919-B

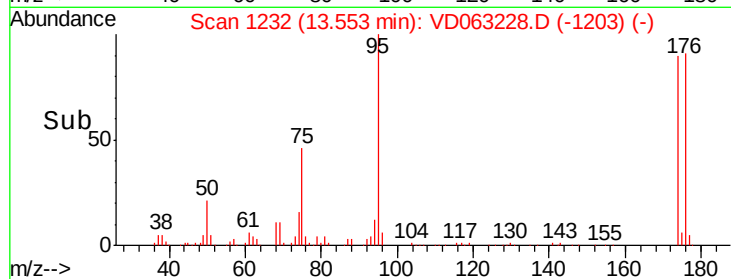
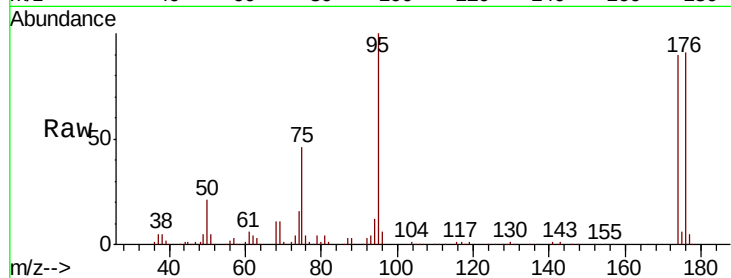
Tot Ion: 75 Resp: 210694

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

