

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063423.D
 Acq On : 7 Aug 2019 16:57
 Operator : JC/SY
 Sample : K4219-01RE
 Misc : 5.80g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-ARE

Quant Time: Aug 08 08:06:38 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	7.06	168	977173	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1286665	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1104604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	581556	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	576320	53.15	ug/l	0.03
Spiked Amount 50.000			Recovery	=	106.30%	
35) Dibromofluoromethane	6.93	113	629873	57.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.68%	
50) Toluene-d8	10.42	98	1366454	55.58	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.16%	
62) 4-Bromofluorobenzene	13.56	95	615671	54.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.90%	

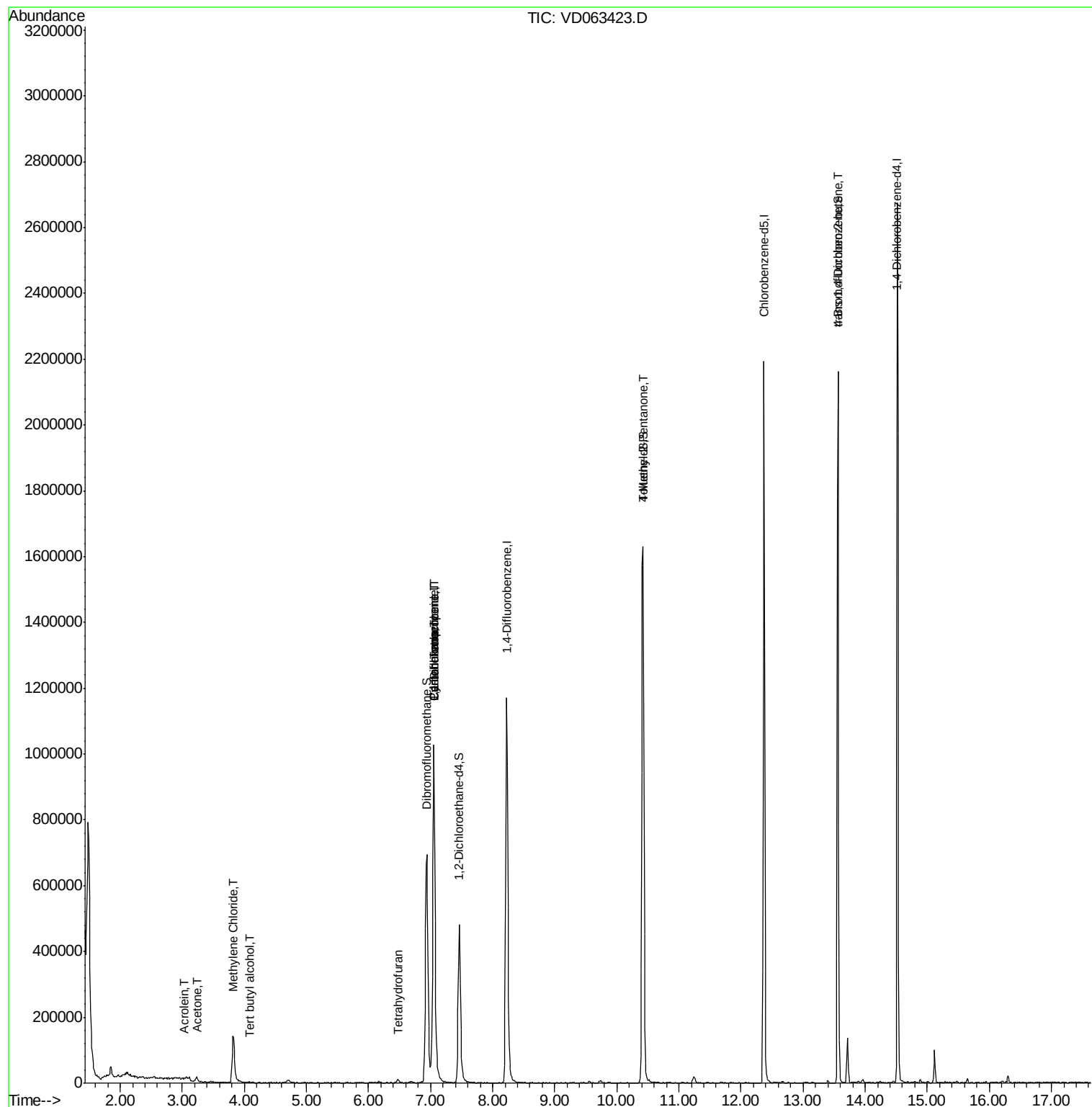
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	1281	2.692	ug/l #	69
13) Acrolein	3.02	56	525	1.146	ug/l #	15
16) Acetone	3.23	43	28100	13.301	ug/l	93
20) Methylene Chloride	3.83	84	93525	10.952	ug/l #	80
29) Tetrahydrofuran	6.47	42	8419	8.387	ug/l	94
31) Cyclohexane	7.06	56	20852	2.159	ug/l #	16
36) 1,1-Dichloropropene	7.06	75	74800	6.370	ug/l #	52
38) Carbon Tetrachloride	7.06	117	101738	5.755	ug/l #	14
51) 4-Methyl-2-Pentanone	10.42	43	8966	1.956	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	294424	151.792	ug/l #	3

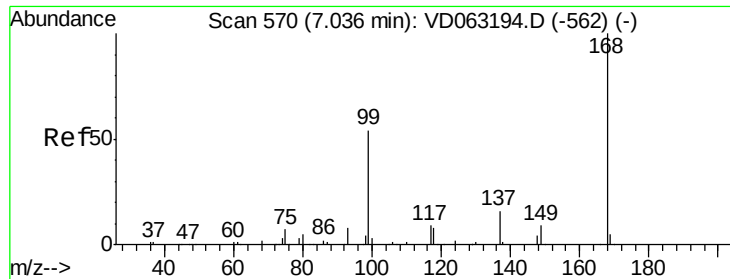
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 08:06:38 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: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063423.D

Acq: 7 Aug 2019 16:57

Instrument :

MSVOA_D

ClientSampleId :

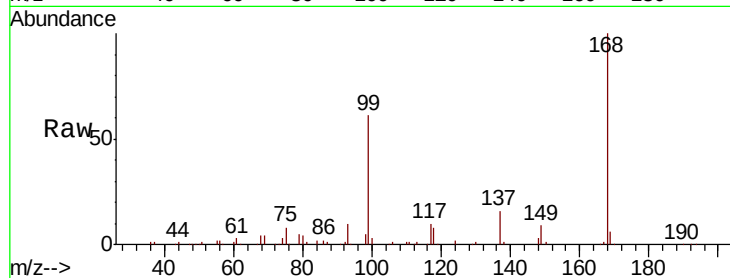
TP-ARE

Tgt Ion:168 Resp: 977173

Ion Ratio Lower Upper

168 100

99 61.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

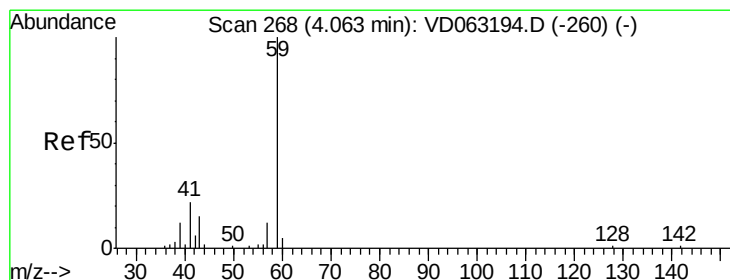
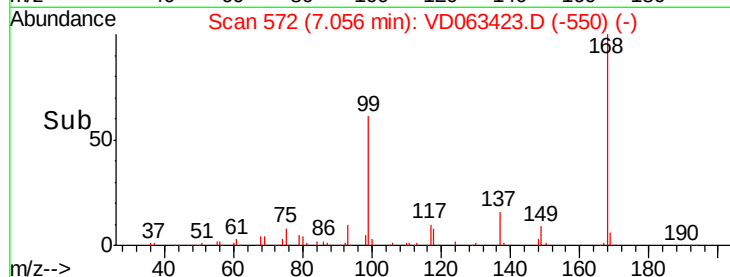
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.692 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.02 min

Lab File: VD063423.D

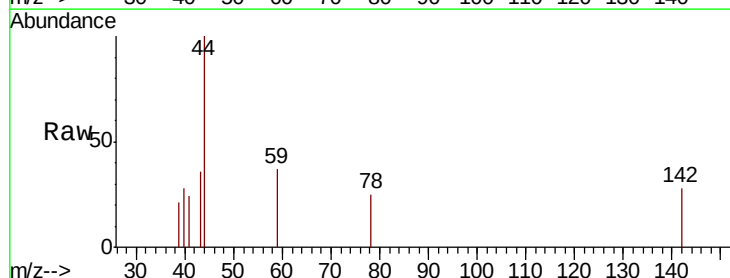
Acq: 7 Aug 2019 16:57

Tgt Ion: 59 Resp: 1281

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

4.08

600

500

400

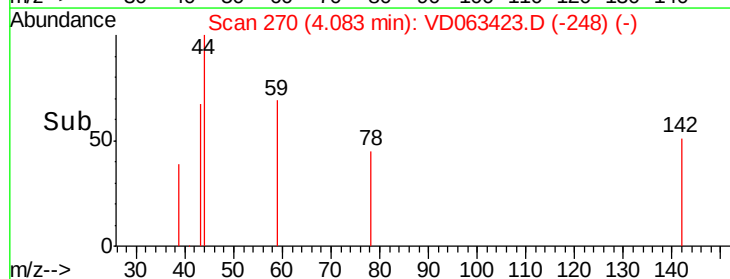
300

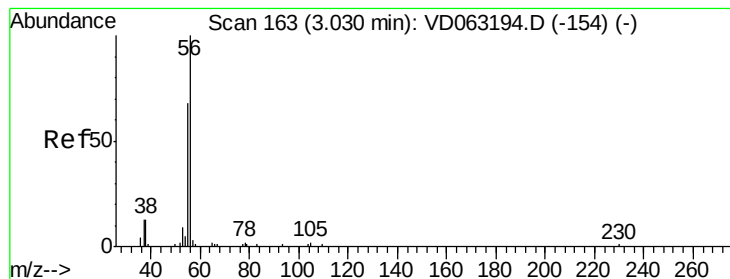
200

100

0

Time-->





#13

Acrolein

Concen: 1.146 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063423.D

Acq: 7 Aug 2019 16:57

Instrument :

MSVOA_D

ClientSampleId :

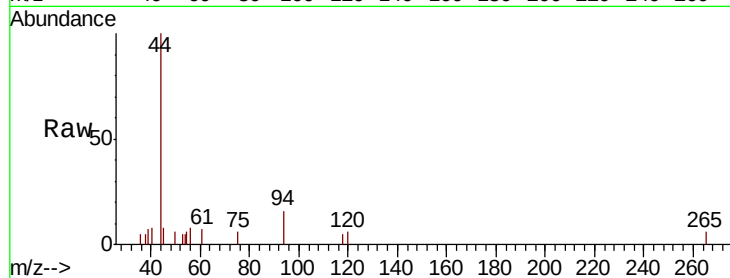
TP-ARE

Tgt Ion: 56 Resp: 525

Ion Ratio Lower Upper

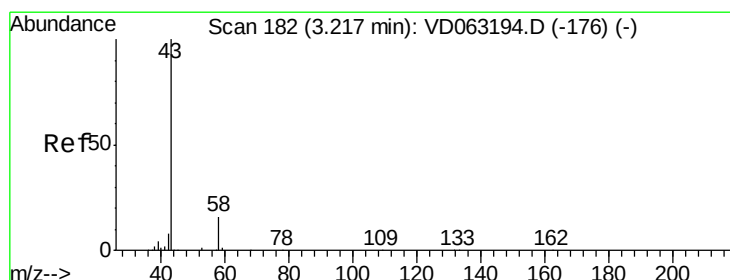
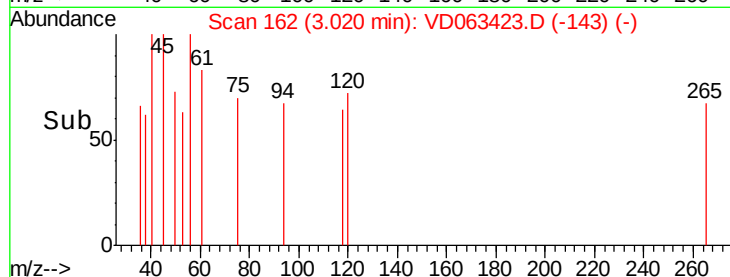
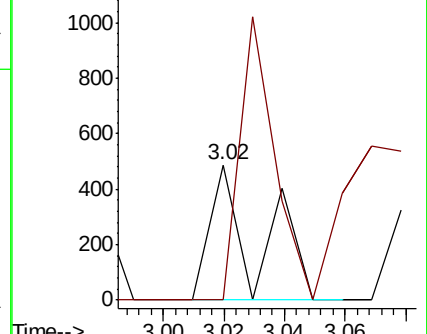
56 100

55 0.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 13.301 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063423.D

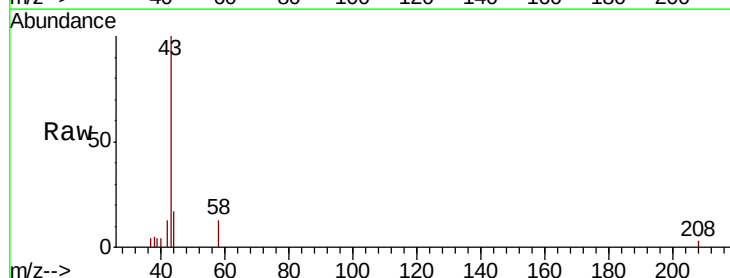
Acq: 7 Aug 2019 16:57

Tgt Ion: 43 Resp: 28100

Ion Ratio Lower Upper

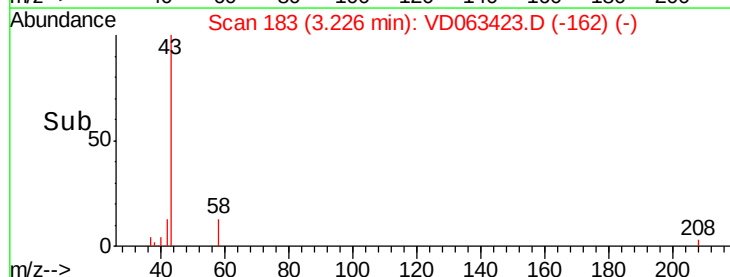
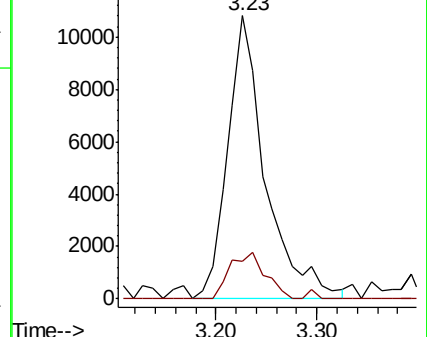
43 100

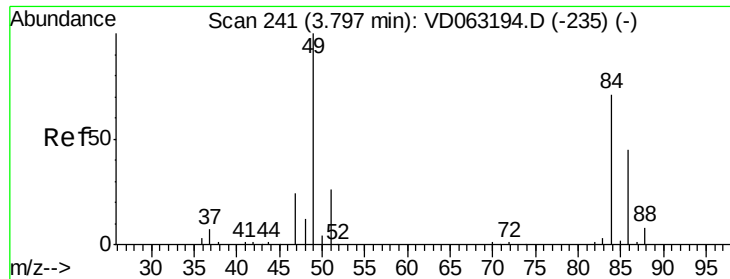
58 13.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

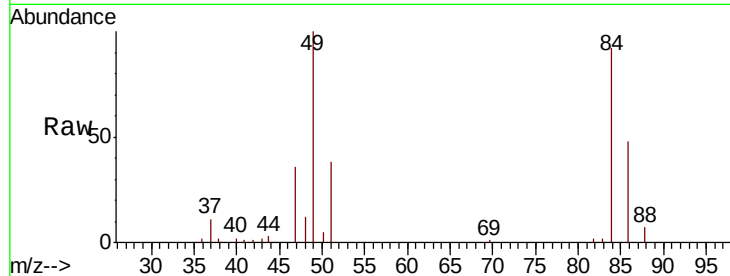




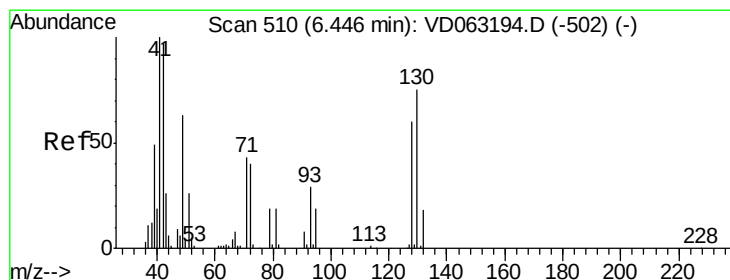
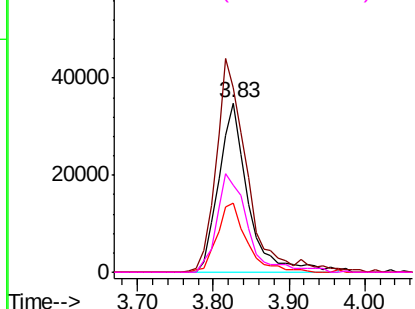
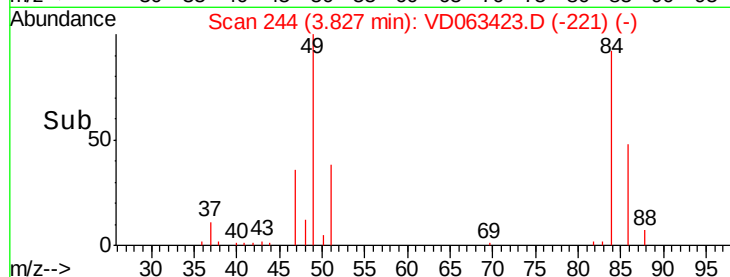
#20
Methylene Chloride
Concen: 10.952 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063423.D
Acq: 7 Aug 2019 16:57

Instrument :
MSVOA_D
ClientSampleId :
TP-ARE

Tgt Ion: 84 Resp: 93525
Ion Ratio Lower Upper
84 100
49 108.8 112.5 168.7#
51 41.0 29.6 44.4
86 51.7 50.4 75.6

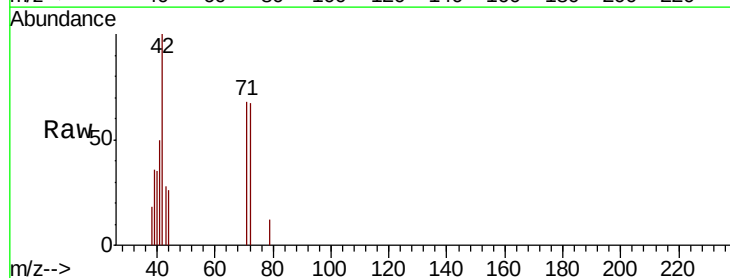


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

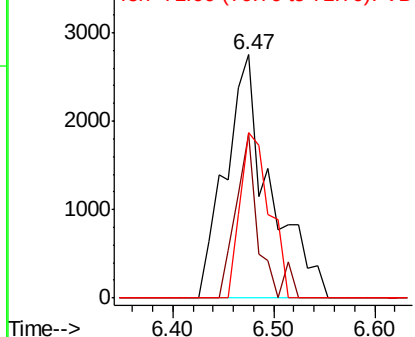
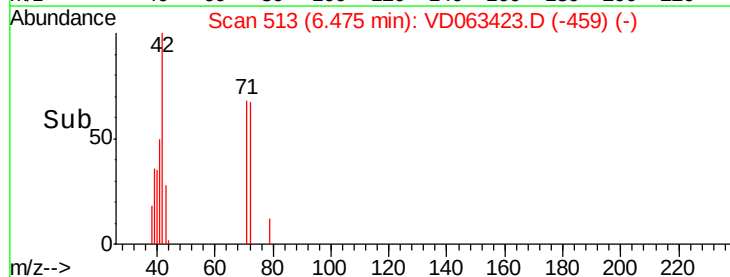


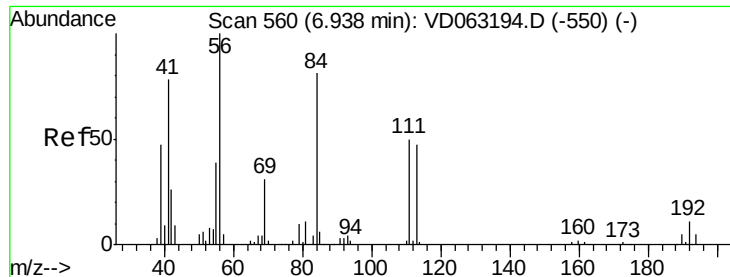
#29
Tetrahydrofuran
Concen: 8.387 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063423.D
Acq: 7 Aug 2019 16:57

Tgt Ion: 42 Resp: 8419
Ion Ratio Lower Upper
42 100
72 34.3 33.4 50.2
71 44.8 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

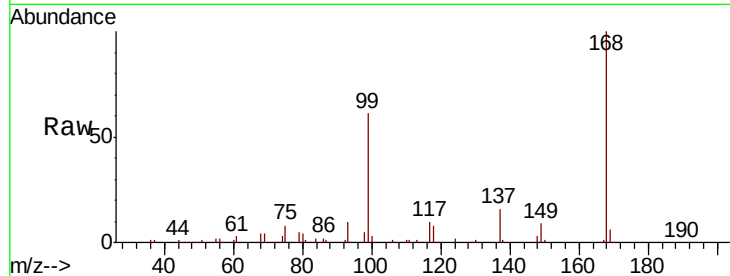




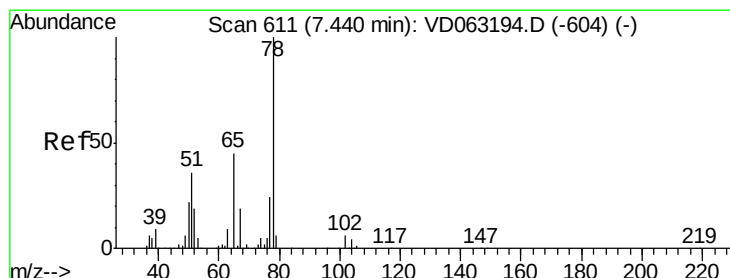
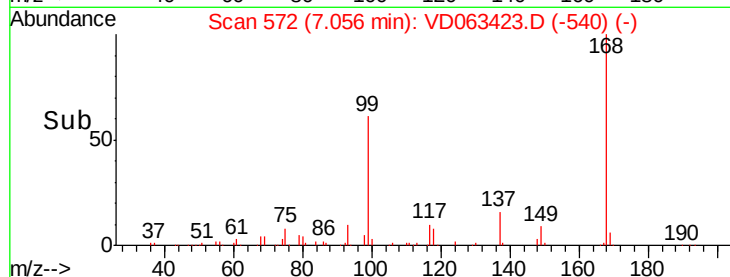
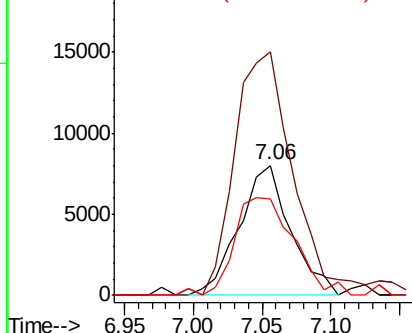
#31
Cyclohexane
Concen: 2.159 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD063423.D
Acq: 7 Aug 2019 16:57

Instrument :
MSVOA_D
ClientSampleId :
TP-ARE

Tgt Ion: 56 Resp: 20852
Ion Ratio Lower Upper
56 100
69 187.4 24.5 36.7#
84 74.5 64.9 97.3

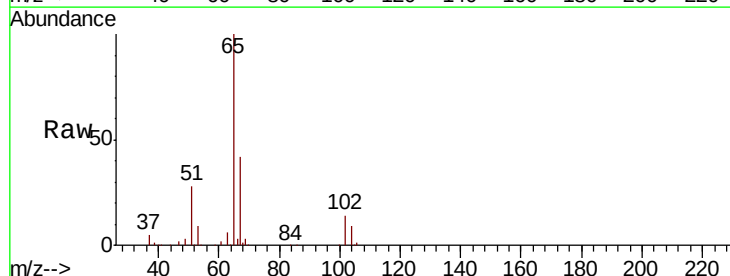


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

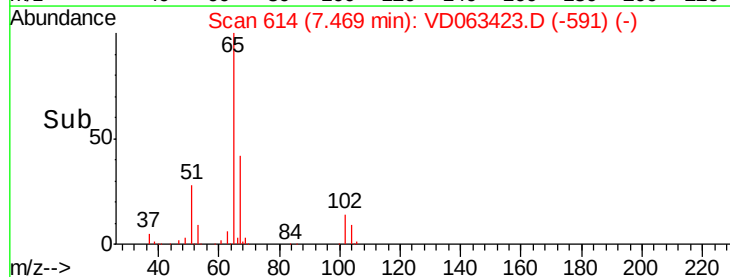
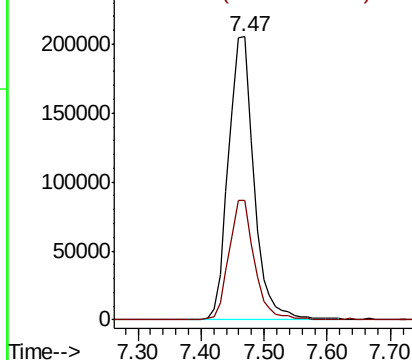


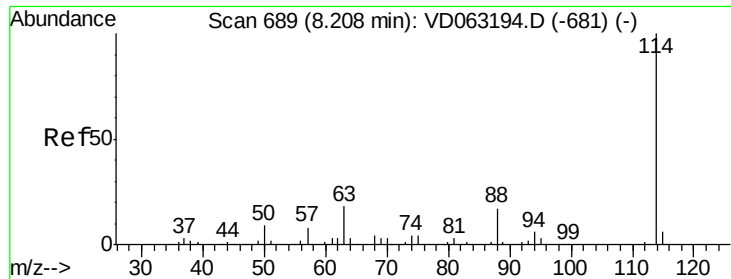
#33
1,2-Dichloroethane-d4
Concen: 53.153 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD063423.D
Acq: 7 Aug 2019 16:57

Tgt Ion: 65 Resp: 576320
Ion Ratio Lower Upper
65 100
67 42.4 0.0 85.8



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

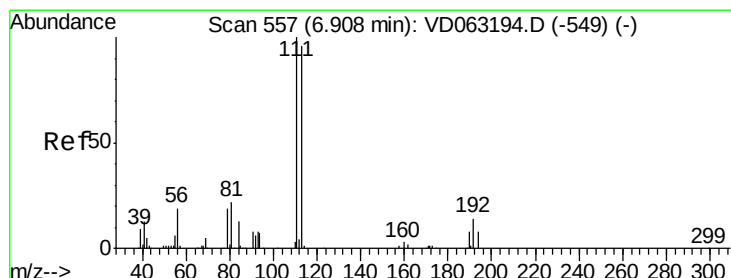
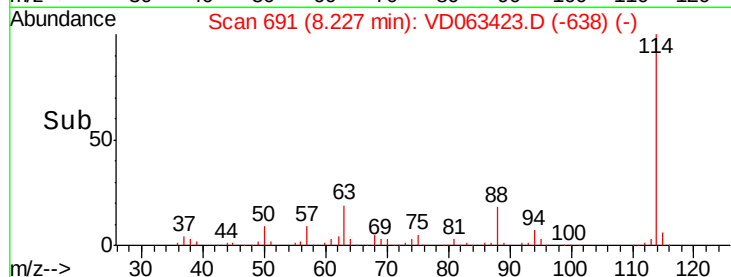
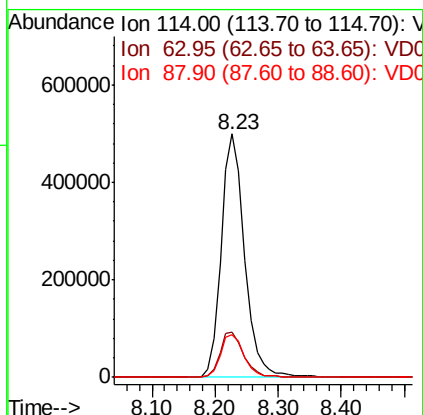
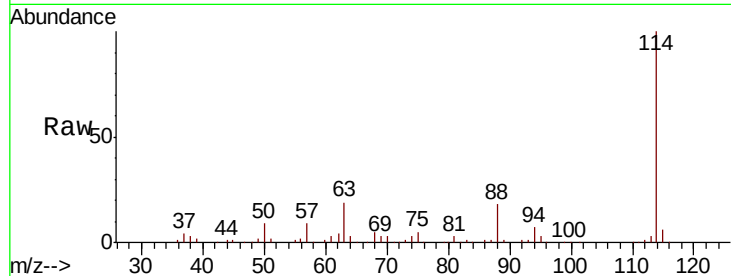




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063423.D
 Acq: 7 Aug 2019 16:57

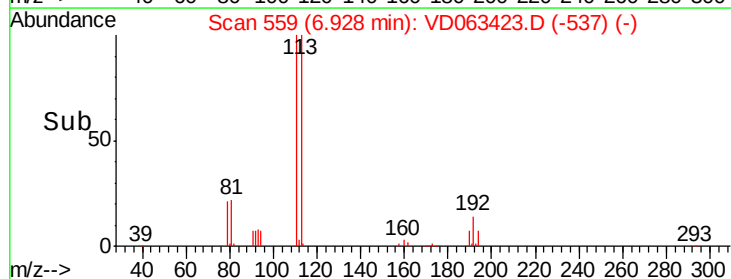
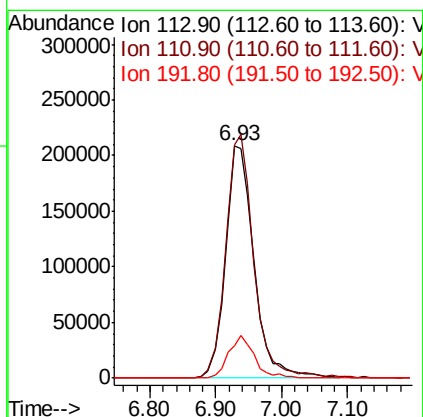
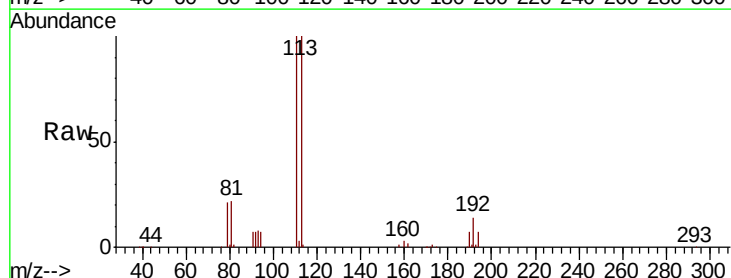
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-ARE

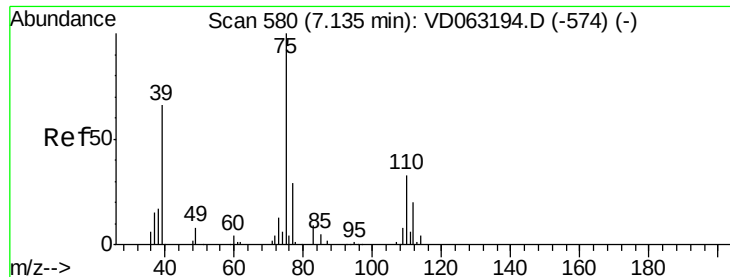
Tgt Ion:114 Resp: 1286665
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 17.6 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 57.337 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063423.D
 Acq: 7 Aug 2019 16:57

Tgt Ion:113 Resp: 629873
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.2 124.8
 192 14.0 11.8 17.8

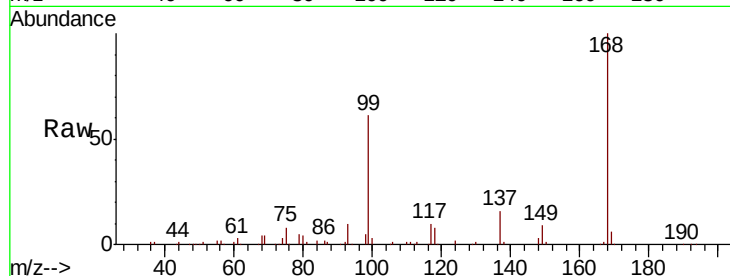




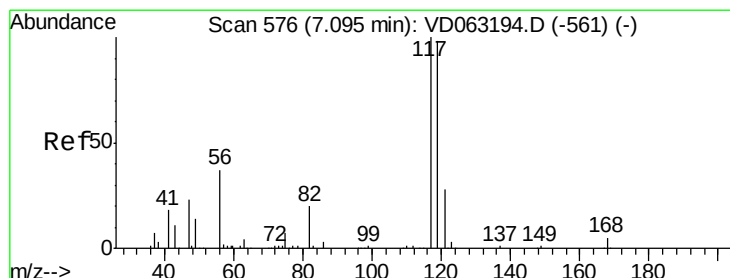
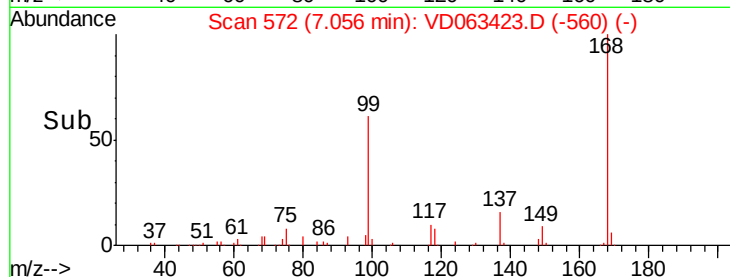
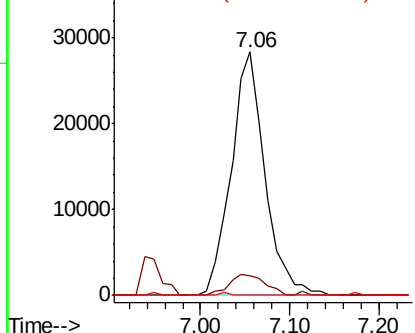
#36
 1,1-Dichloropropene
 Concen: 6.370 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: VD063423.D
 Acq: 7 Aug 2019 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-ARE

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.1	48.2#
77	0.0	22.7	34.1#

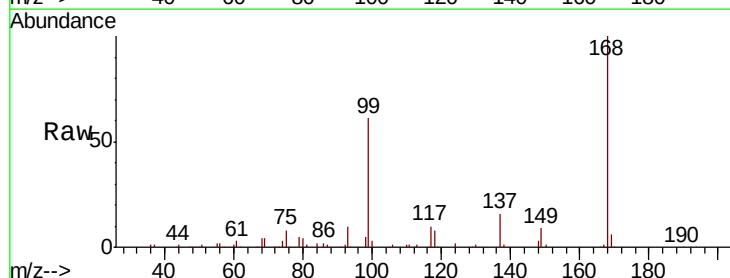


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

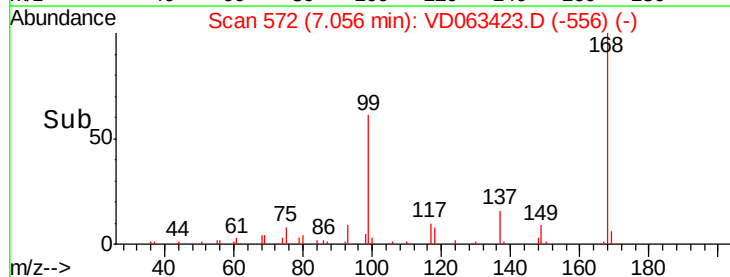
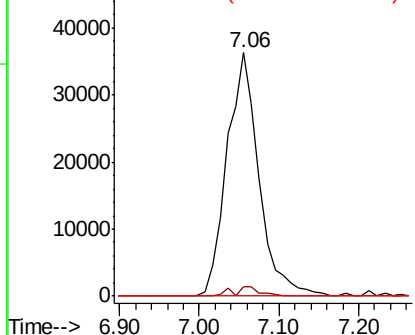


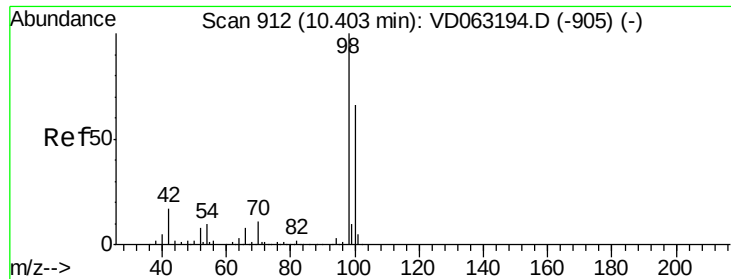
#38
 Carbon Tetrachloride
 Concen: 5.755 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD063423.D
 Acq: 7 Aug 2019 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	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

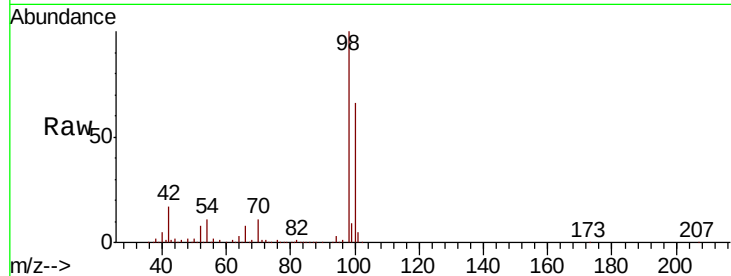




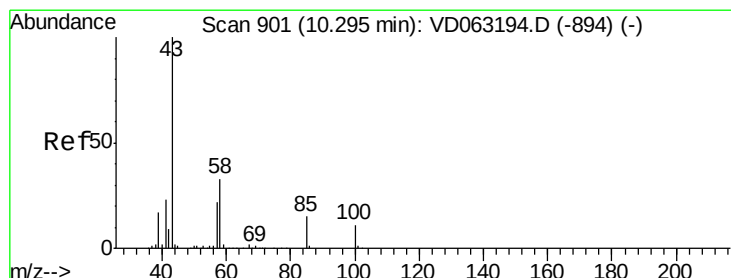
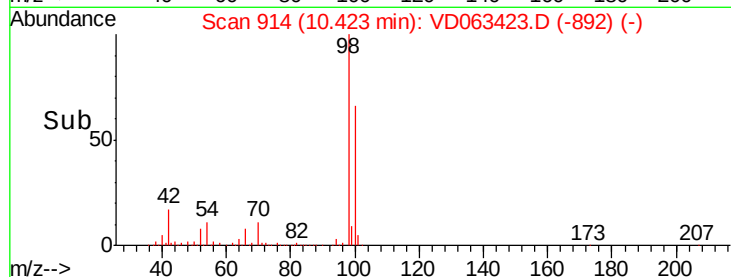
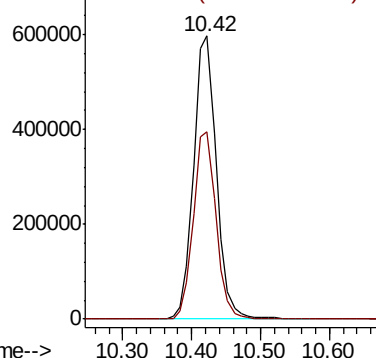
#50
Toluene-d8
Concen: 55.580 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063423.D
Acq: 7 Aug 2019 16:57

Instrument :
MSVOA_D
ClientSampleId :
TP-ARE

Tgt Ion: 98 Resp: 1366454
Ion Ratio Lower Upper
98 100
100 66.2 53.2 79.8

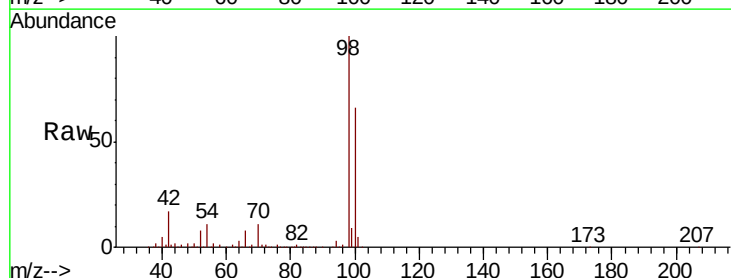


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

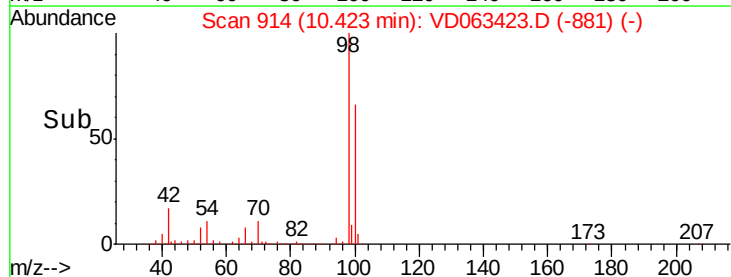
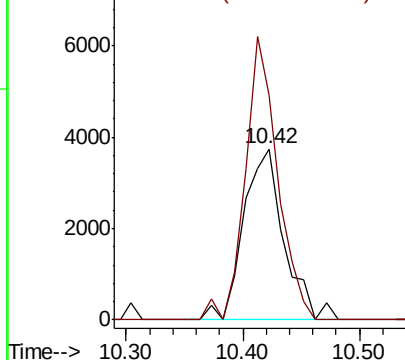


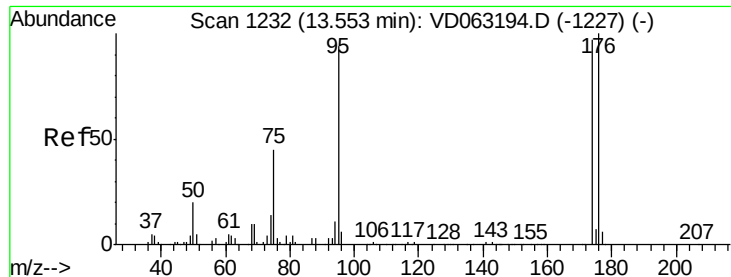
#51
4-Methyl-2-Pentanone
Concen: 1.956 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.13 min
Lab File: VD063423.D
Acq: 7 Aug 2019 16:57

Tgt Ion: 43 Resp: 8966
Ion Ratio Lower Upper
43 100
58 131.3 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: 54.954 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063423.D

Acq: 7 Aug 2019 16:57

Instrument :

MSVOA_D

ClientSampled :

TP-ARE

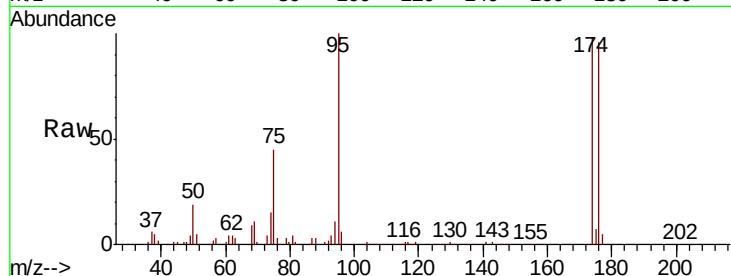
Tgt Ion: 95 Resp: 615671

Ion Ratio Lower Upper

95 100

174 97.7 0.0 205.4

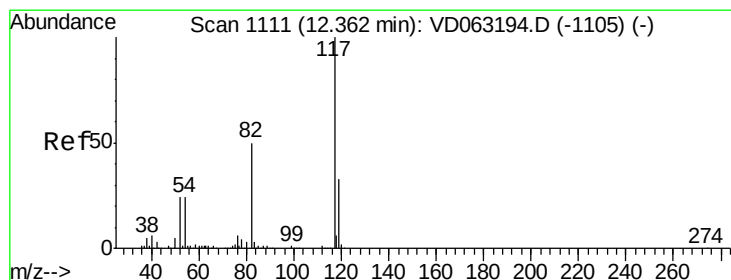
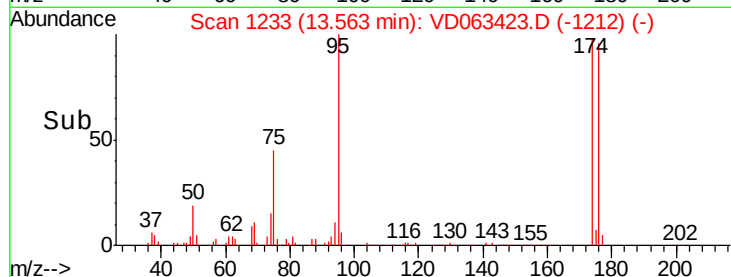
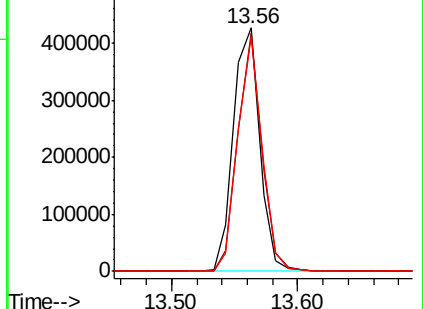
176 96.4 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063423.D

Acq: 7 Aug 2019 16:57

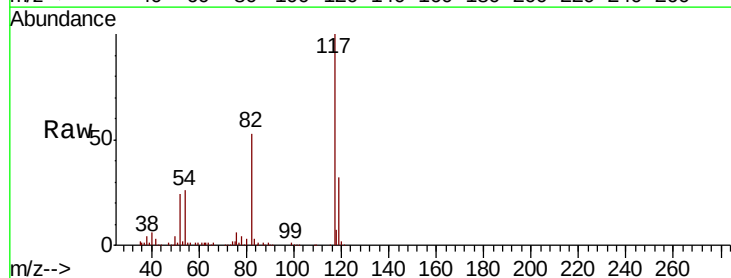
Tgt Ion: 117 Resp: 1104604

Ion Ratio Lower Upper

117 100

82 53.5 40.1 60.1

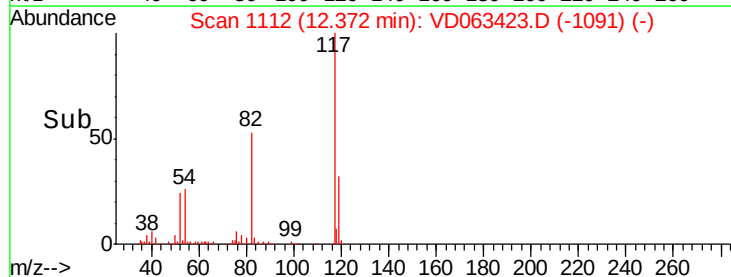
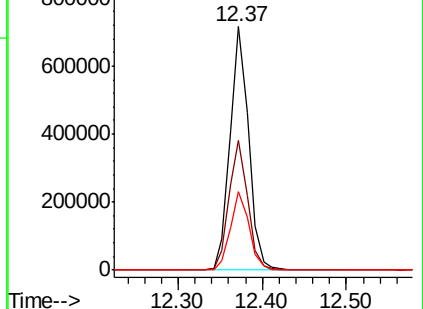
119 32.2 26.5 39.7

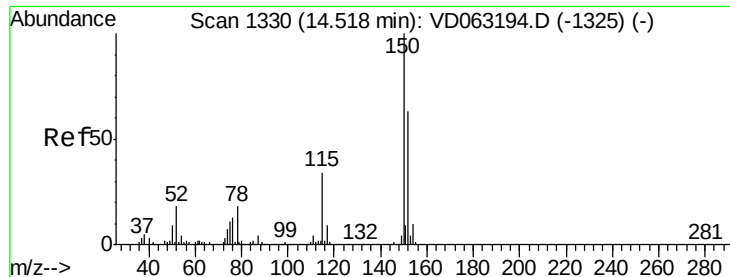


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

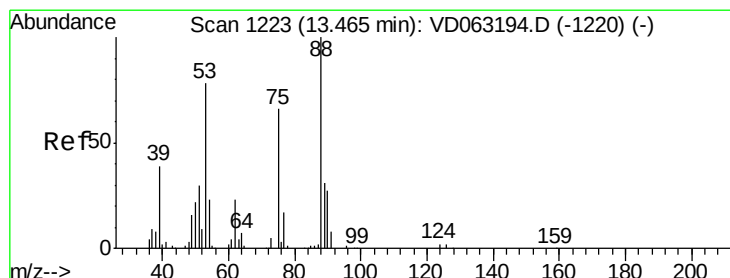
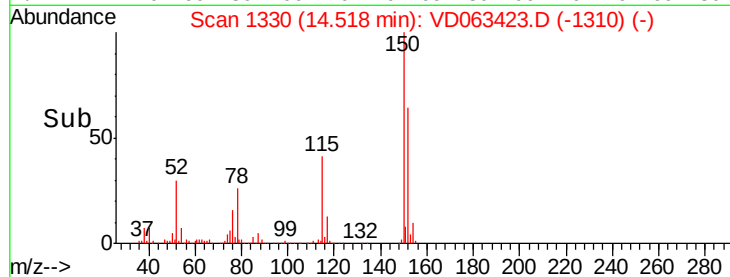
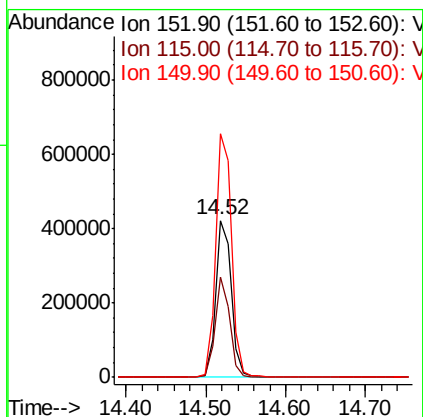
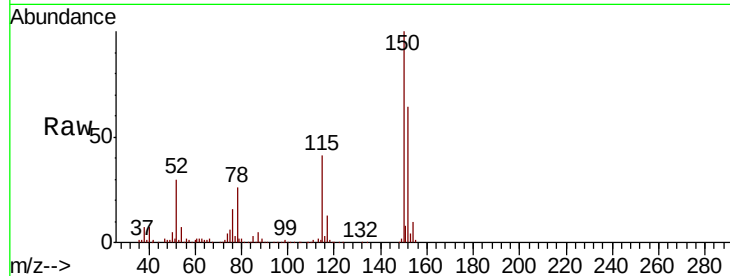




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD063423.D
 Acq: 7 Aug 2019 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-ARE

Tgt Ion:152 Resp: 581556
 Ion Ratio Lower Upper
 152 100
 115 64.2 27.5 82.4
 150 155.5 0.0 320.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.792 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.10 min
 Lab File: VD063423.D
 Acq: 7 Aug 2019 16:57

Tgt Ion: 75 Resp: 294424
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#

