

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063632.D
 Acq On : 16 Aug 2019 12:38
 Operator : JC/SY
 Sample : K43546-03RE
 Misc : 2.39g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2RE

Quant Time: Aug 17 06:00:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	940163	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1264024	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	754939	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	211062	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	473735	47.14	ug/l	-0.02
Spiked Amount			Recovery	=	94.28%	
35) Dibromofluoromethane	6.91	113	552913	51.94	ug/l	-0.03
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.40	98	980307	41.88	ug/l	-0.02
Spiked Amount			Recovery	=	83.76%	
62) 4-Bromofluorobenzene	13.55	95	266159	25.09	ug/l	0.00
Spiked Amount			Recovery	=	50.18%	

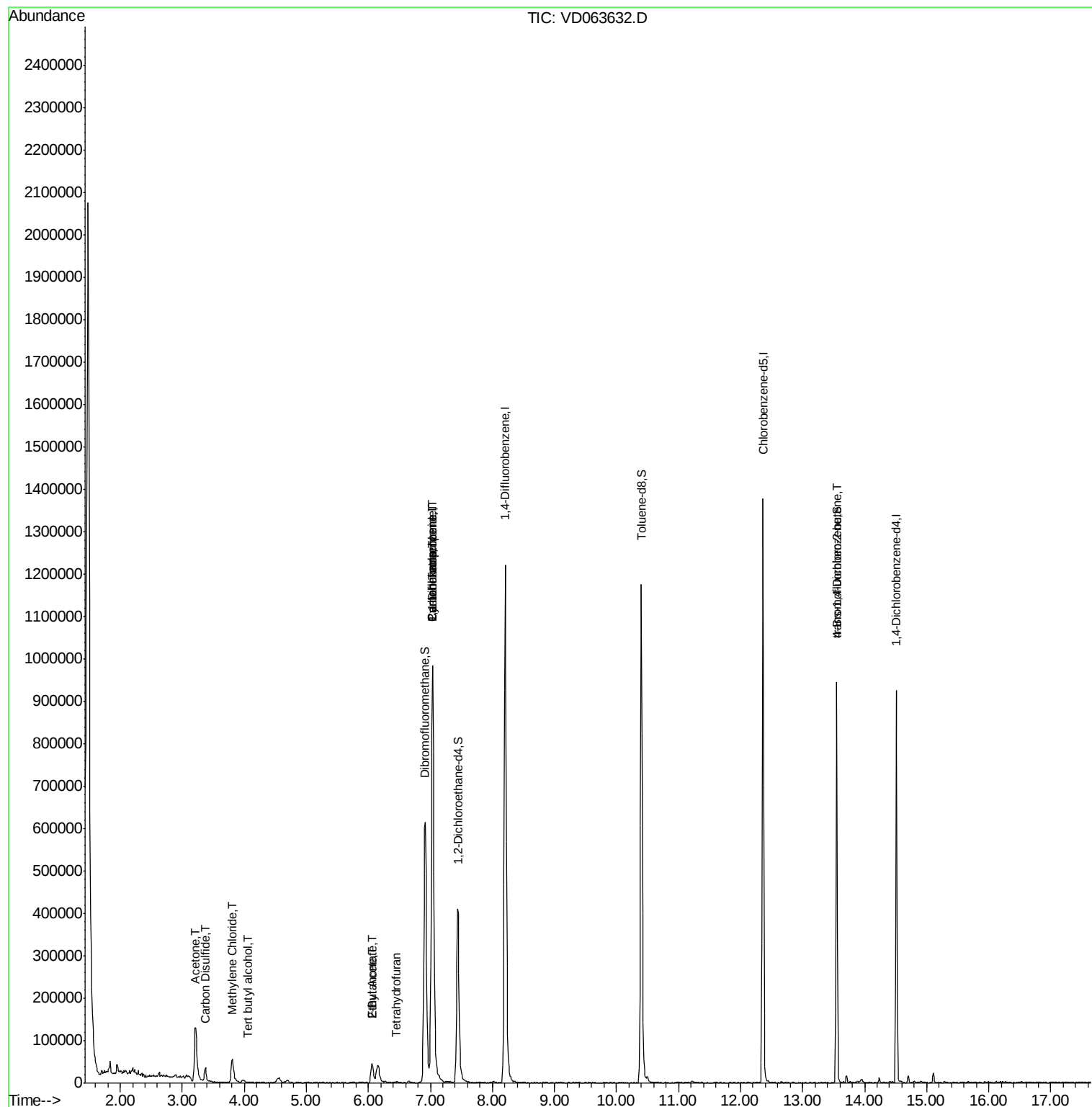
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	593	1.355	ug/l #	71
16) Acetone	3.21	43	283117	138.587	ug/l	94
17) Carbon Disulfide	3.37	76	56025	2.337	ug/l	99
20) Methylene Chloride	3.81	84	34340	3.887	ug/l	97
25) 2-Butanone	6.06	43	94211	46.694	ug/l	97
29) Tetrahydrofuran	6.47	42	1898	2.019	ug/l #	44
31) Cyclohexane	7.03	56	23868	2.630	ug/l #	28
36) 1,1-Dichloropropene	7.04	75	71400	6.390	ug/l #	51
37) Ethyl Acetate	6.06	43	94217	20.122	ug/l #	73
38) Carbon Tetrachloride	7.04	117	89285	5.302	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.55	75	121446	186.539	ug/l #	1

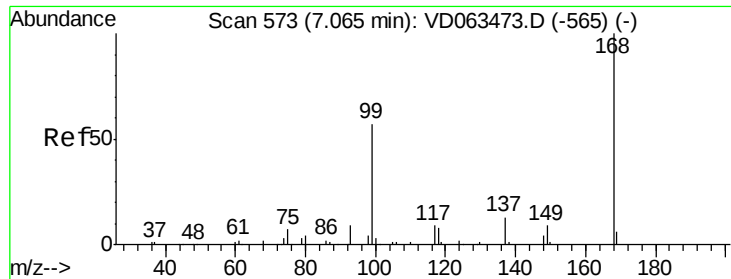
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

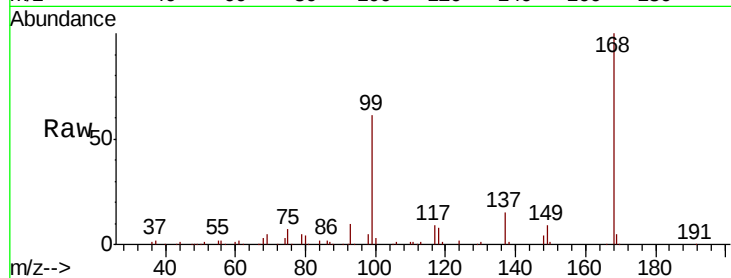
TP-2RE

Tgt Ion:168 Resp: 940163

Ion Ratio Lower Upper

168 100

99 60.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

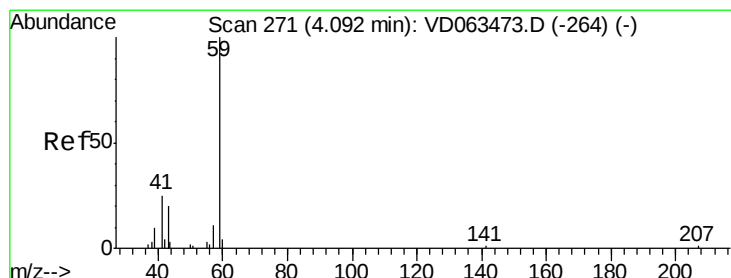
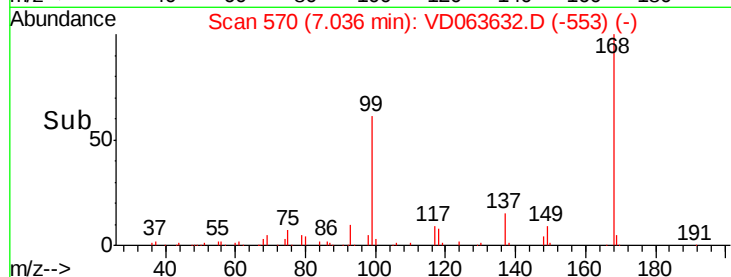
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#11

Tert butyl alcohol

Concen: 1.355 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063632.D

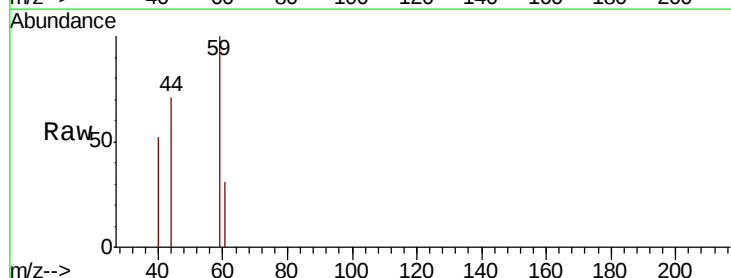
Acq: 16 Aug 2019 12:38

Tgt Ion: 59 Resp: 593

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.06

1200

1000

800

600

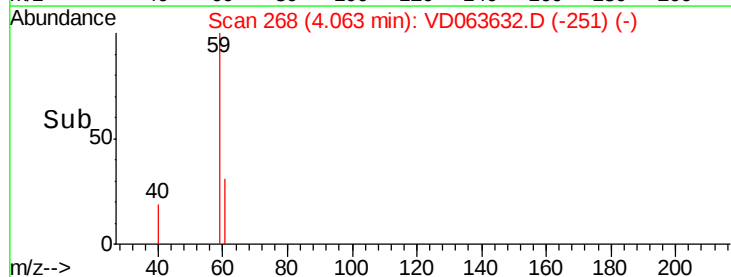
400

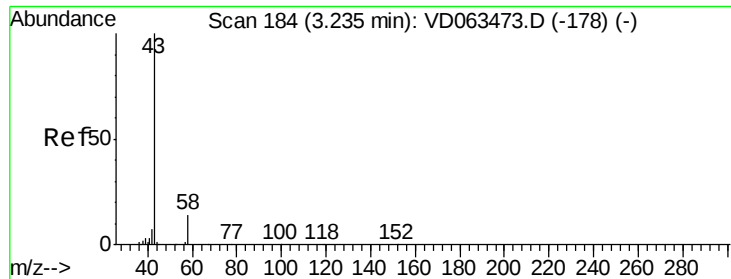
200

0

4.04 4.06 4.08

Time-->





#16

Acetone

Concen: 138.587 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

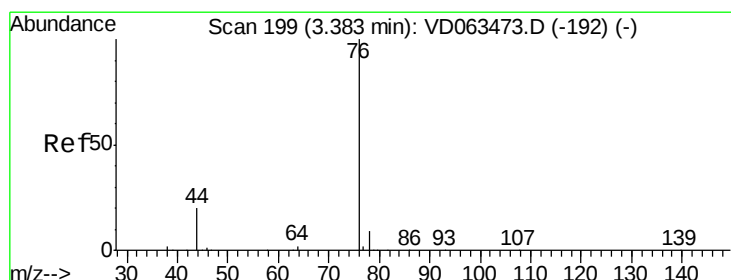
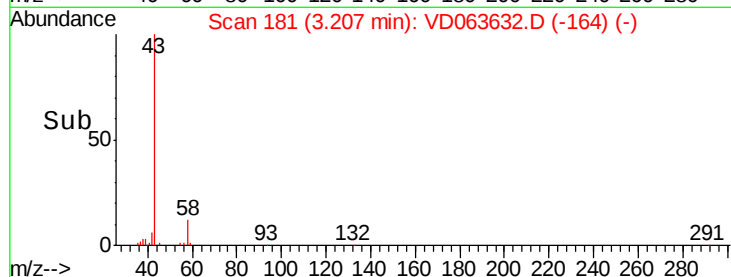
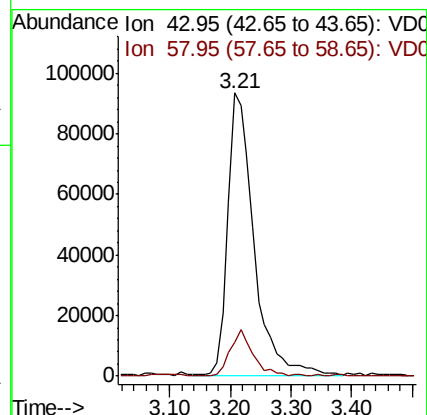
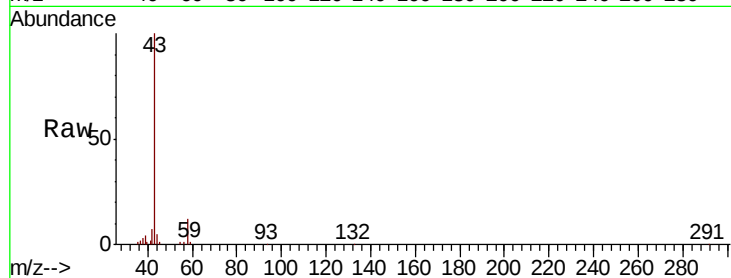
TP-2RE

Tgt Ion: 43 Resp: 283117

Ion Ratio Lower Upper

43 100

58 12.0 11.4 17.2



#17

Carbon Disulfide

Concen: 2.337 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD063632.D

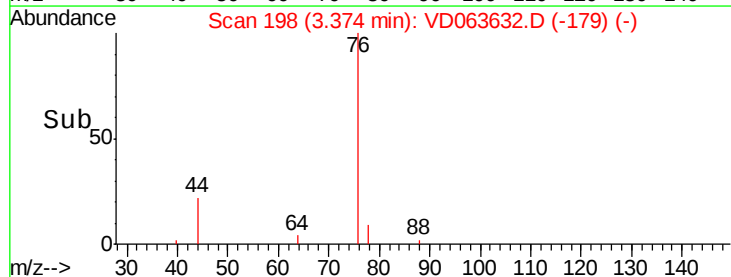
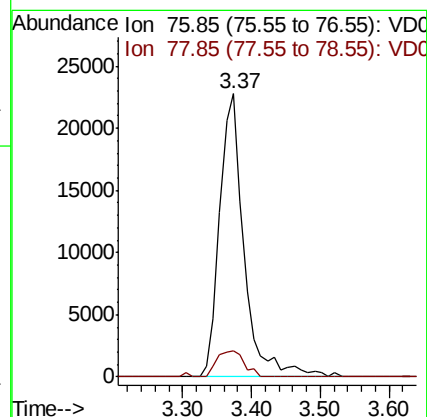
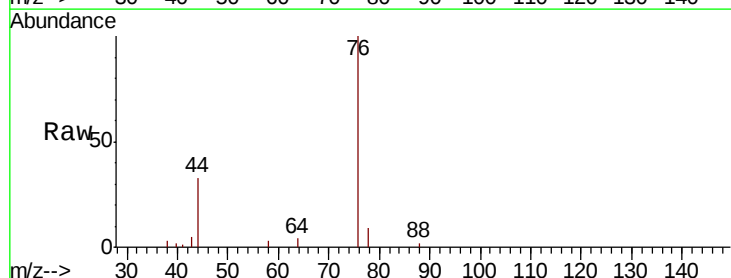
Acq: 16 Aug 2019 12:38

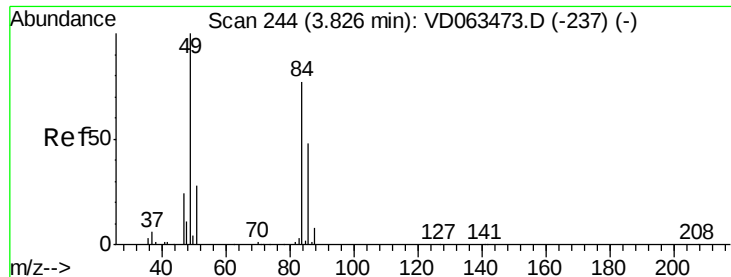
Tgt Ion: 76 Resp: 56025

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#20

Methylene Chloride

Concen: 3.887 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

TP-2RE

Tgt Ion: 84 Resp: 34340

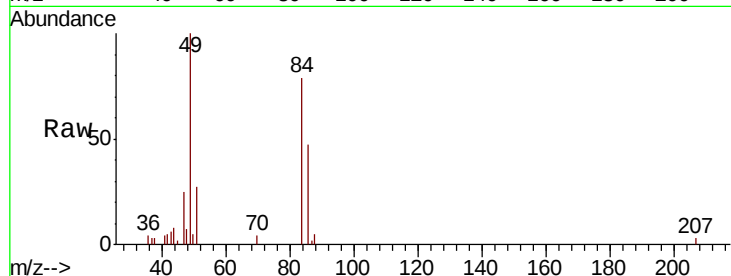
Ion Ratio Lower Upper

84 100

49 126.2 103.4 155.2

51 34.1 28.5 42.7

86 59.5 49.4 74.2

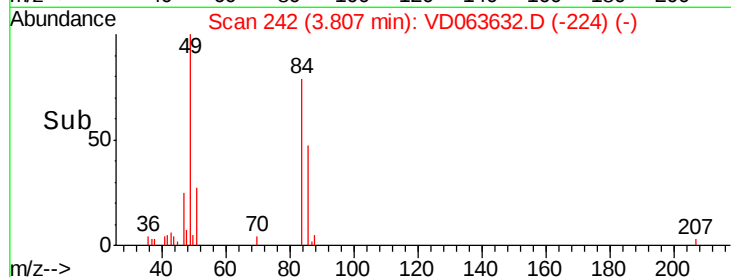
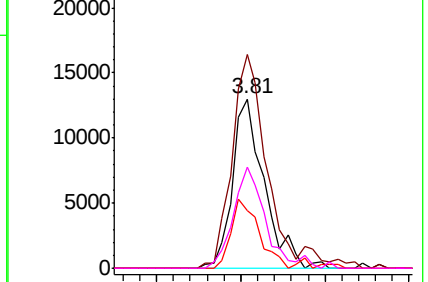


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 46.694 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063632.D

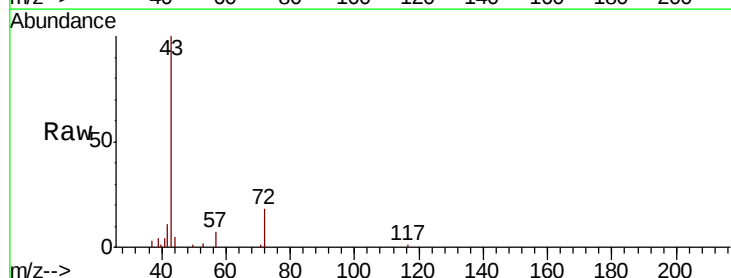
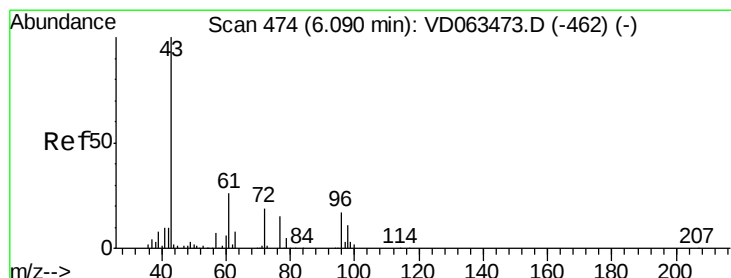
Acq: 16 Aug 2019 12:38

Tgt Ion: 43 Resp: 94211

Ion Ratio Lower Upper

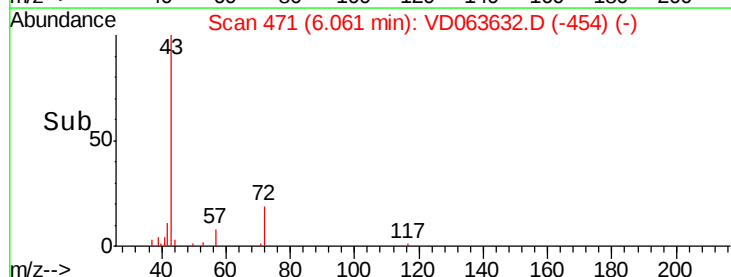
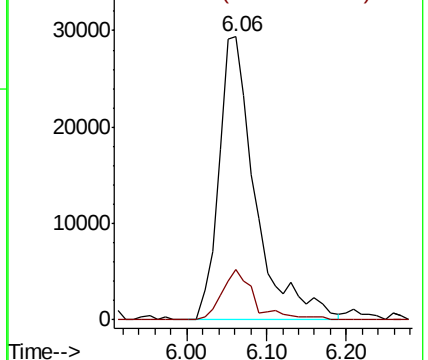
43 100

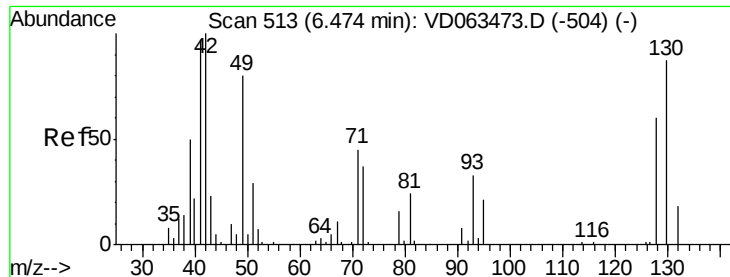
72 17.7 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 2.019 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

TP-2RE

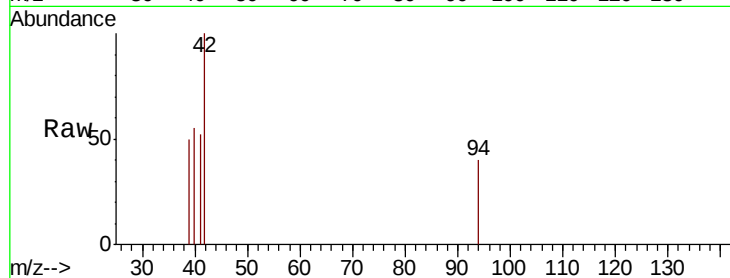
Tgt Ion: 42 Resp: 1898

Ion Ratio Lower Upper

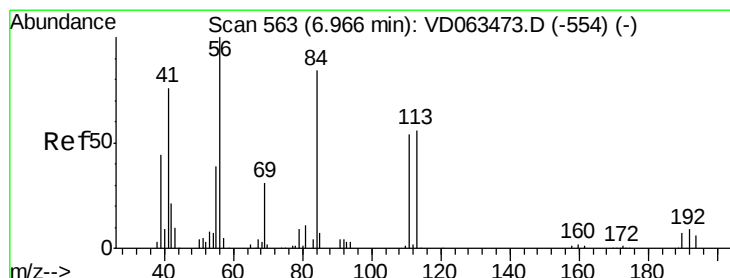
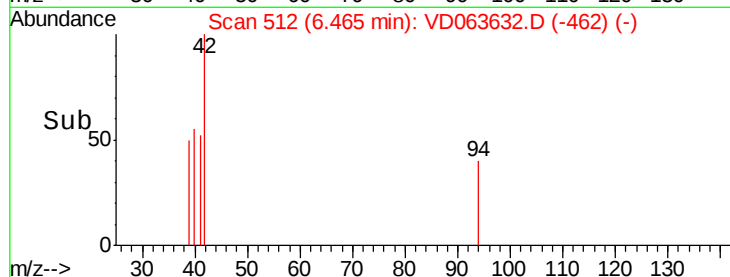
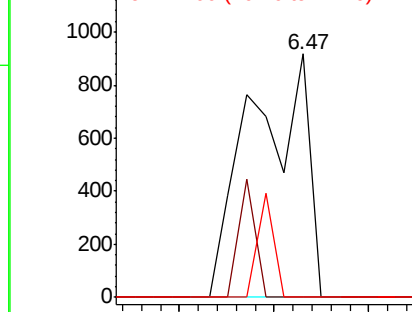
42 100

72 0.0 31.5 47.3#

71 12.2 33.8 50.8#



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: 2.630 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

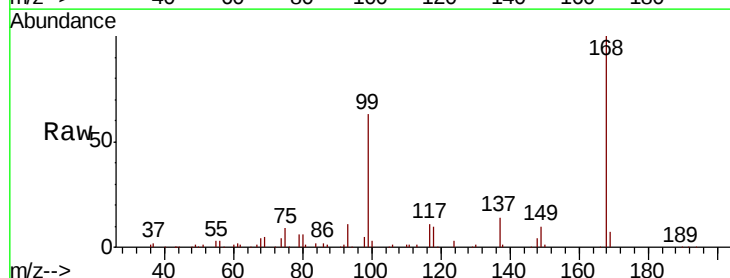
Tgt Ion: 56 Resp: 23868

Ion Ratio Lower Upper

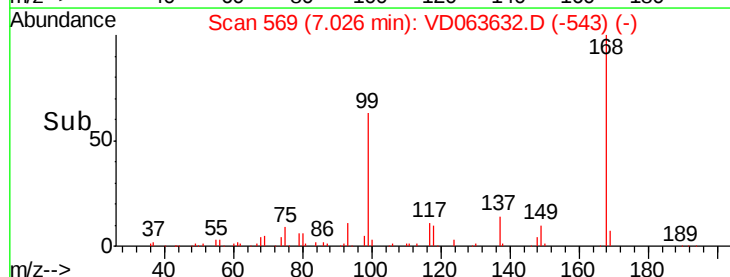
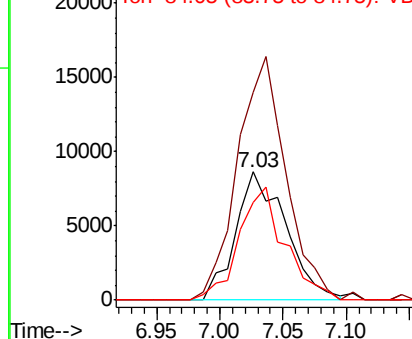
56 100

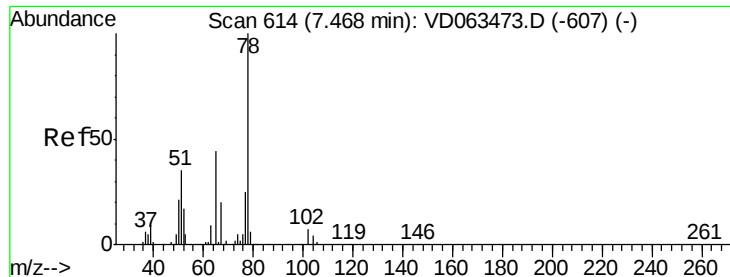
69 162.8 25.0 37.6#

84 76.0 69.7 104.5



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: 47.140 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

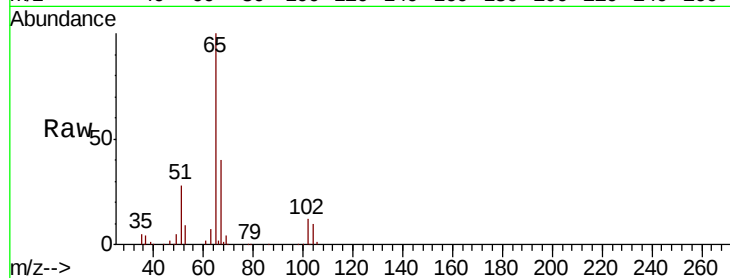
TP-2RE

Tgt Ion: 65 Resp: 473735

Ion Ratio Lower Upper

65 100

67 40.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

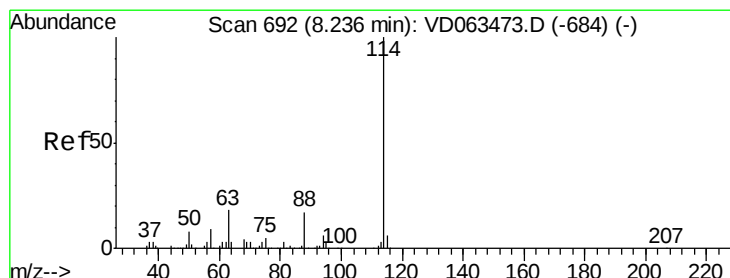
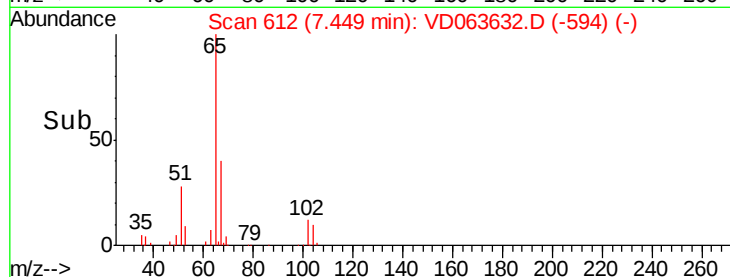
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

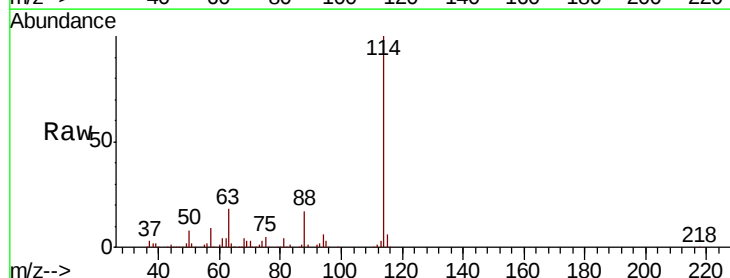
Tgt Ion: 114 Resp: 1264024

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

88 16.9 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

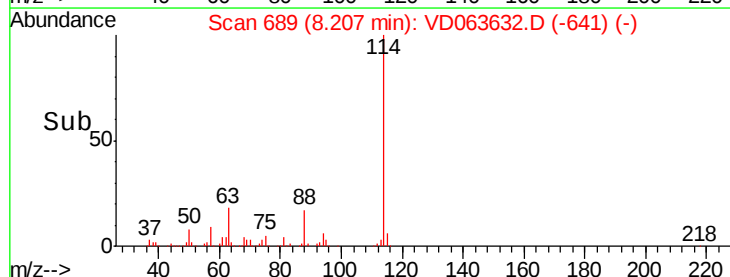
600000

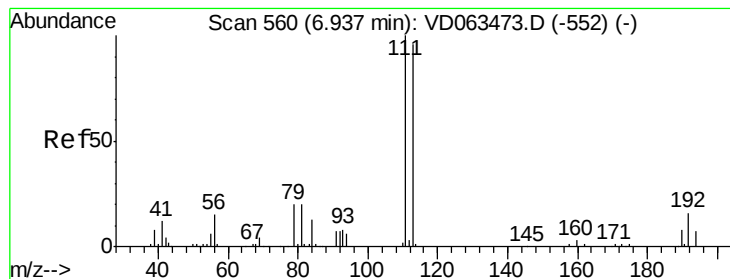
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.938 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

TP-2RE

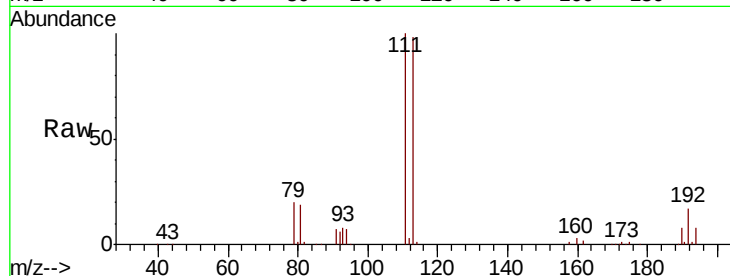
Tgt Ion:113 Resp: 552913

Ion Ratio Lower Upper

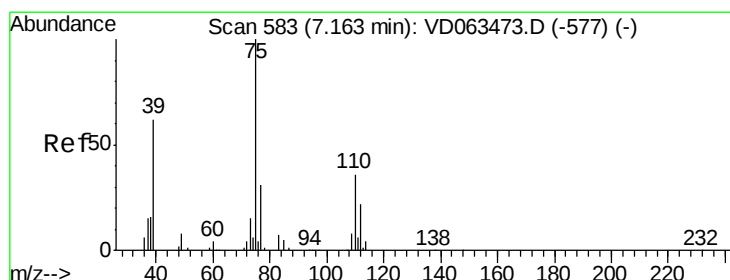
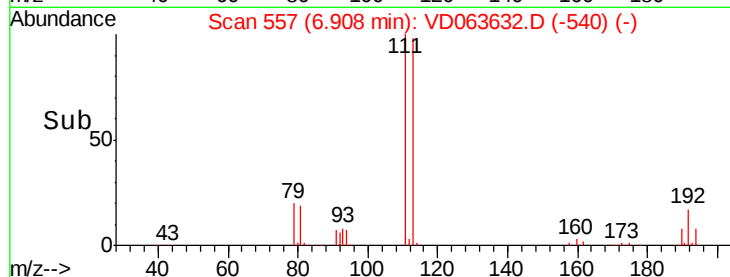
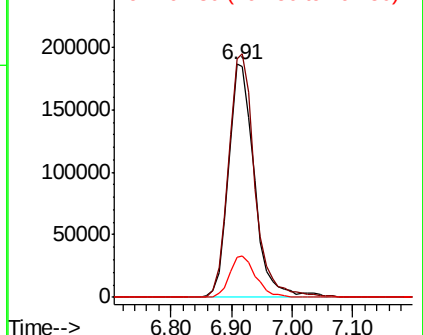
113 100

111 102.3 83.1 124.7

192 17.1 13.1 19.7



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: 6.390 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

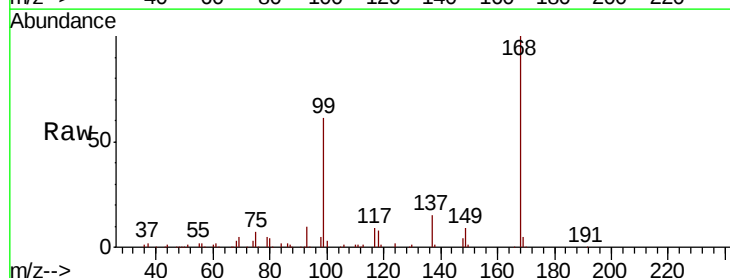
Tgt Ion: 75 Resp: 71400

Ion Ratio Lower Upper

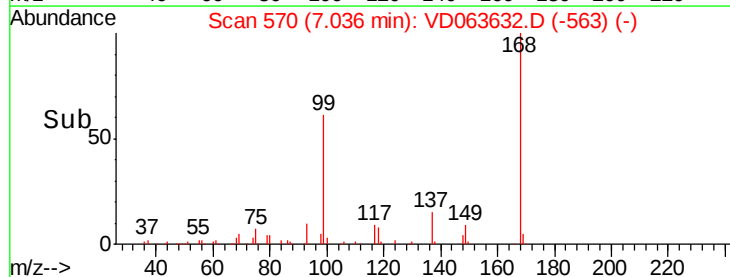
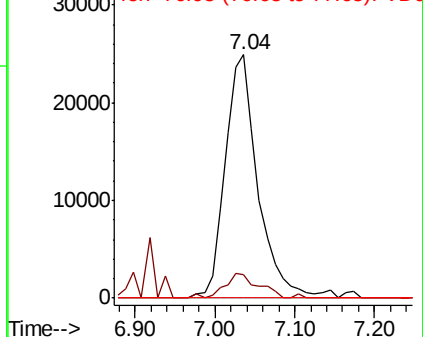
75 100

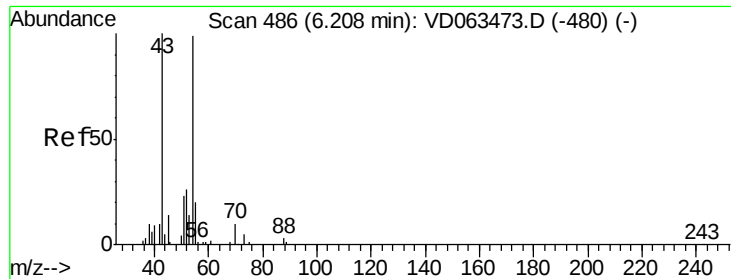
110 9.7 17.6 52.8#

77 0.0 24.3 36.5#



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

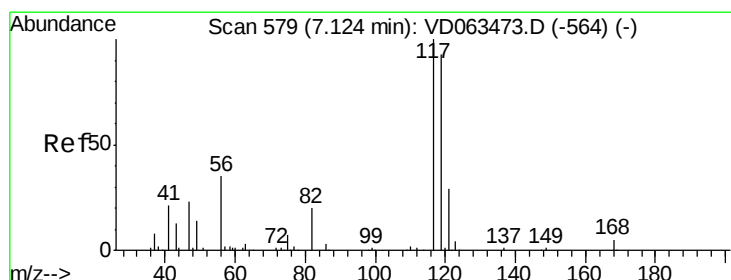
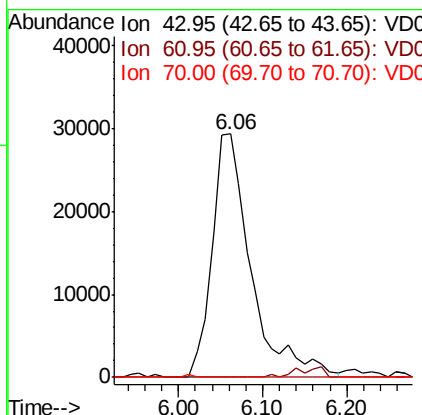
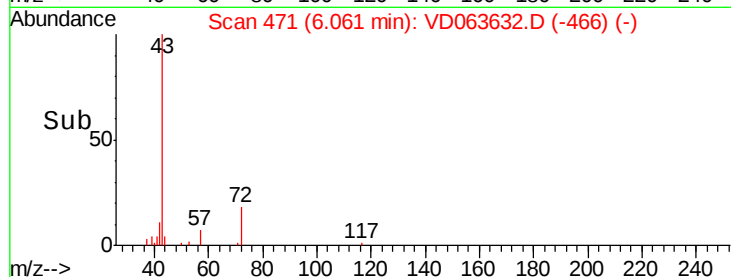
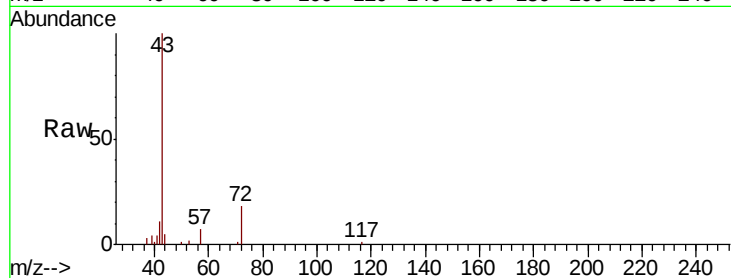




#37
Ethyl Acetate
Concen: 20.122 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.15 min
Lab File: VD063632.D
Acq: 16 Aug 2019 12:38

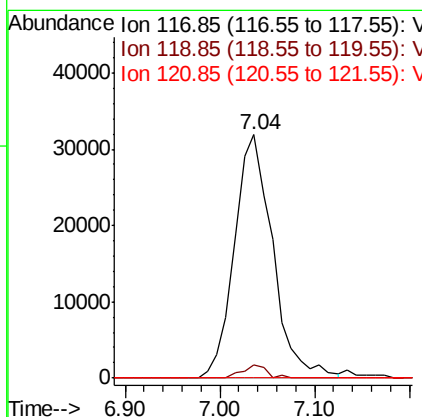
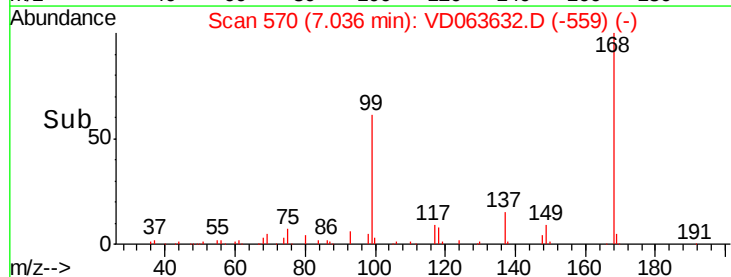
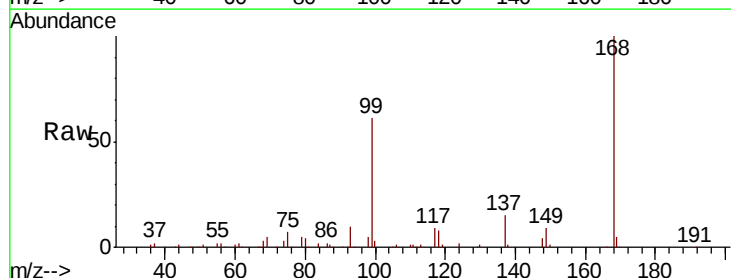
Instrument :
MSVOA_D
ClientSampleId :
TP-2RE

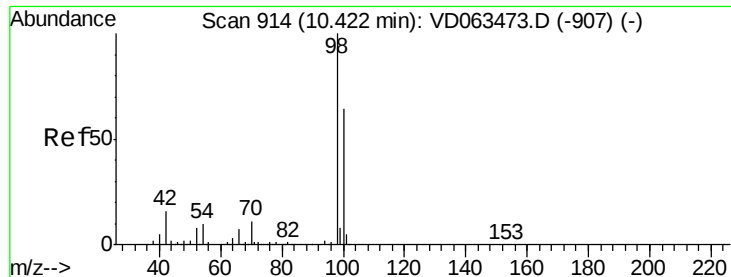
Tgt Ion: 43 Resp: 94217
Ion Ratio Lower Upper
43 100
61 0.0 9.0 13.6#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.302 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063632.D
Acq: 16 Aug 2019 12:38

Tgt Ion: 117 Resp: 89285
Ion Ratio Lower Upper
117 100
119 5.6 74.2 111.2#
121 0.0 23.1 34.7#

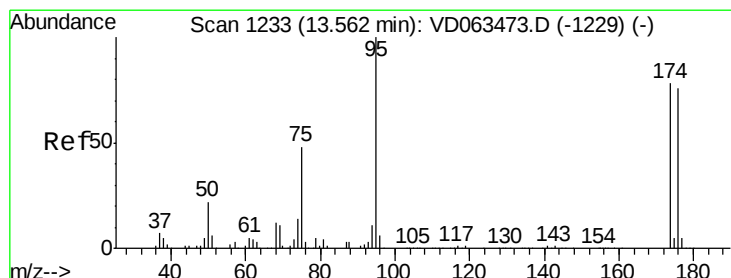
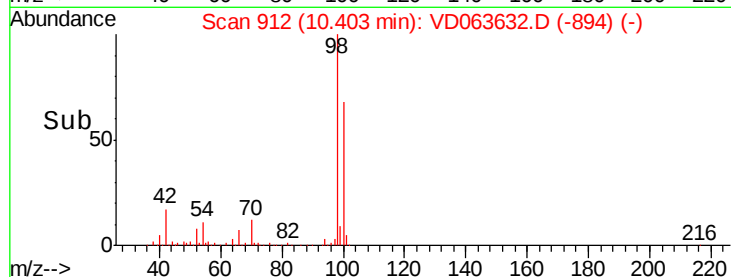
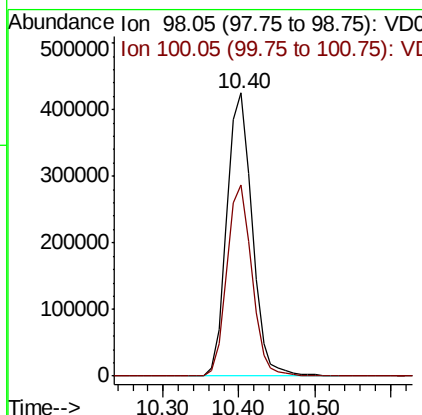
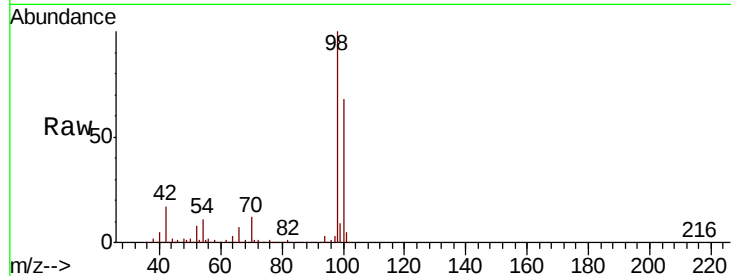




#50
Toluene-d8
Concen: 41.884 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063632.D
Acq: 16 Aug 2019 12:38

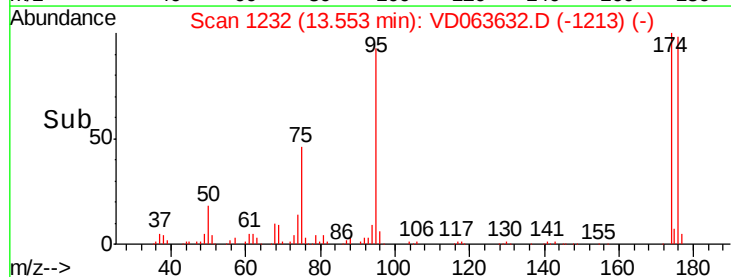
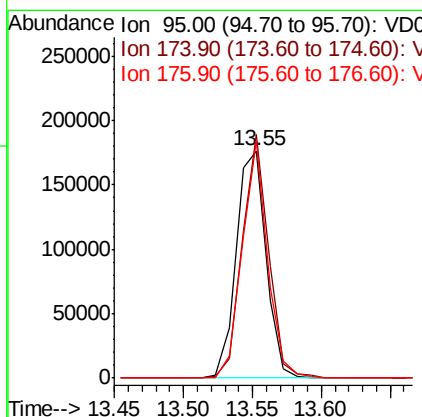
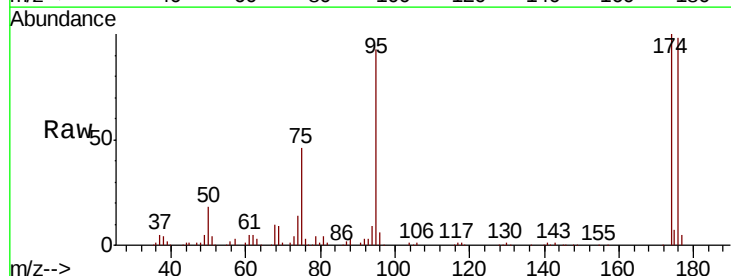
Instrument :
MSVOA_D
ClientSampleId :
TP-2RE

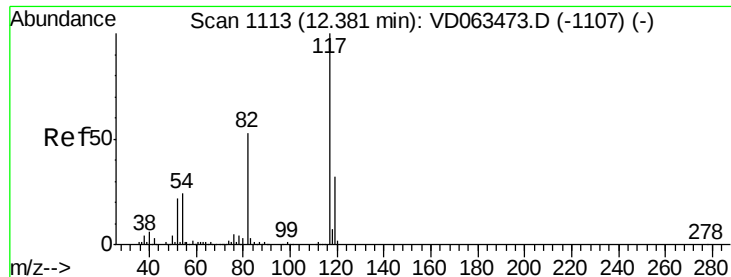
Tgt Ion: 98 Resp: 980307
Ion Ratio Lower Upper
98 100
100 67.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 25.090 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063632.D
Acq: 16 Aug 2019 12:38

Tgt Ion: 95 Resp: 266159
Ion Ratio Lower Upper
95 100
174 107.1 0.0 155.4
176 104.5 0.0 152.4

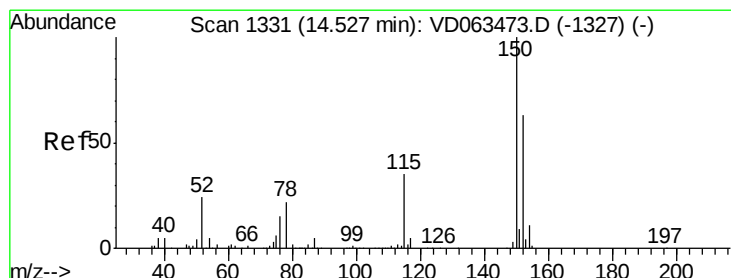
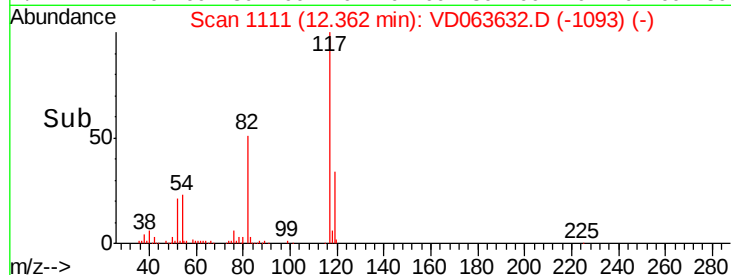
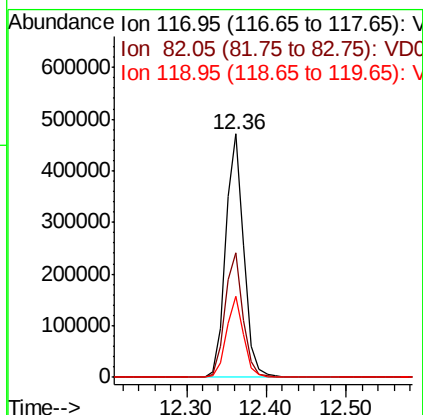
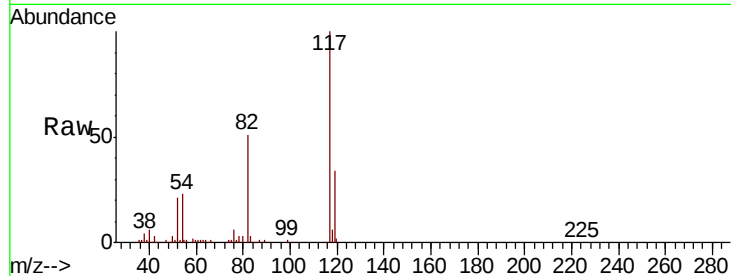




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063632.D
Acq: 16 Aug 2019 12:38

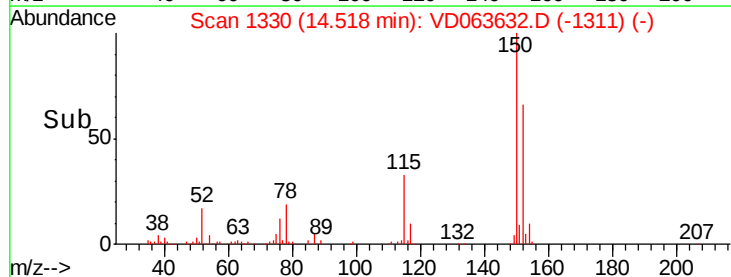
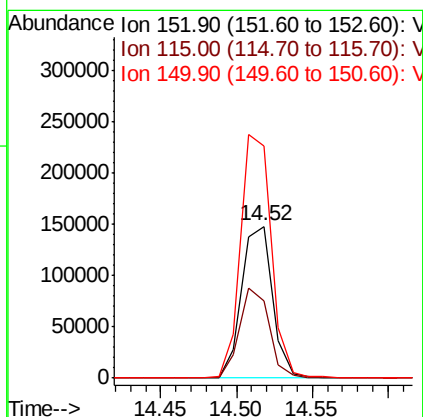
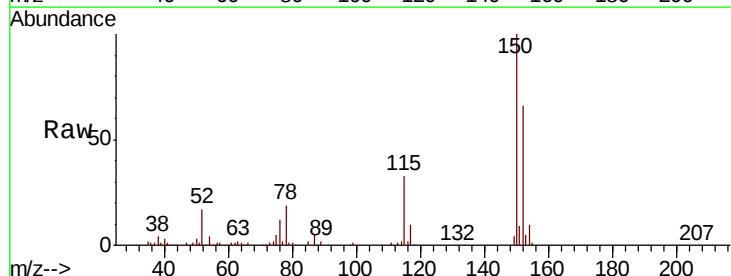
Instrument :
MSVOA_D
ClientSampleId :
TP-2RE

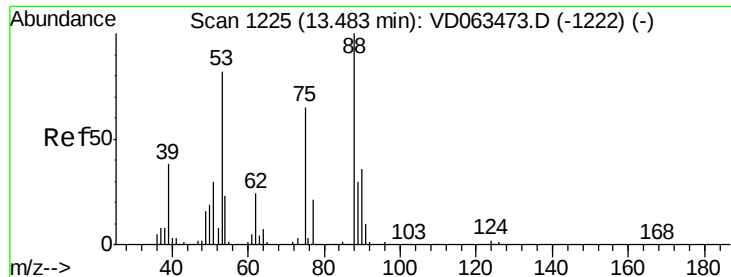
Tgt Ion:117 Resp: 754939
Ion Ratio Lower Upper
117 100
82 51.3 42.0 63.0
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063632.D
Acq: 16 Aug 2019 12:38

Tgt Ion:152 Resp: 211062
Ion Ratio Lower Upper
152 100
115 50.8 30.9 92.7
150 152.2 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 186.539 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063632.D

Acq: 16 Aug 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

TP-2RE

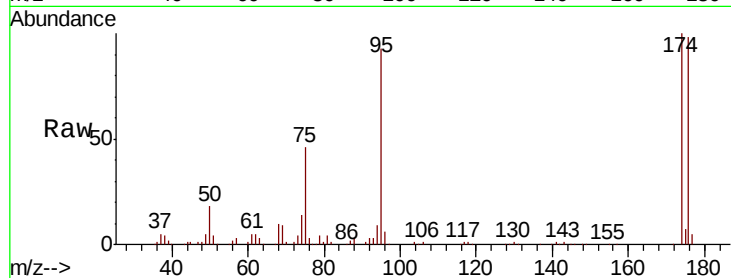
Tgt Ion: 75 Resp: 121446

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

