

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060478.D
 Acq On : 3 Dec 2018 16:39
 Operator : VA/AP
 Sample : J6160-01
 Misc : 6.66g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT

Quant Time: Dec 04 02:22:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1365017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1890119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1471582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	781050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	423139	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	
35) Dibromofluoromethane	6.34	113	588232	41.74	ug/l	0.00
Spiked Amount			Recovery	=	83.48%	
50) Toluene-d8	9.47	98	1593188	38.62	ug/l	0.00
Spiked Amount			Recovery	=	77.24%	
62) 4-Bromofluorobenzene	12.43	95	605958	40.54	ug/l	0.00
Spiked Amount			Recovery	=	81.08%	

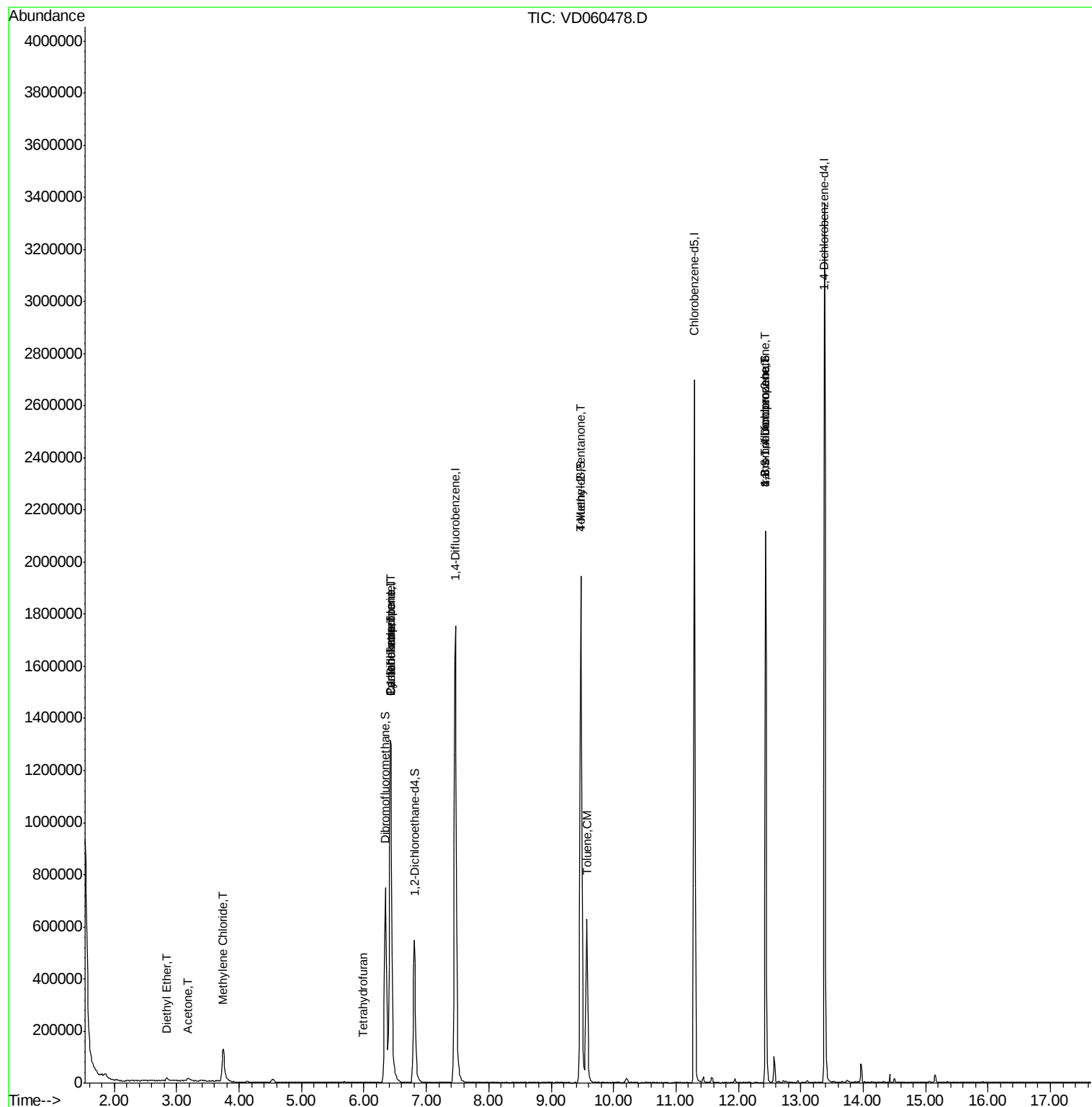
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	936	Below Cal	#	41
8) Diethyl Ether	2.84	74	3548	1.574	ug/l	81
16) Acetone	3.18	43	26361	15.549	ug/l #	89
20) Methylene Chloride	3.75	84	85963	5.716	ug/l	99
29) Tetrahydrofuran	5.98	42	2376	1.279	ug/l #	41
31) Cyclohexane	6.42	56	24729	1.060	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	94536	5.063	ug/l #	47
38) Carbon Tetrachloride	6.42	117	105048	6.064	ug/l #	16
51) 4-Methyl-2-Pentanone	9.47	43	8969	1.277	ug/l #	1
52) Toluene	9.57	92	329452	10.820	ug/l	98
76) 1,2,3-Trichloropropane	12.43	75	191481	20.494	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	240558	90.436	ug/l #	15
89) n-Butylbenzene	13.65	91	1198	Below Cal	#	81

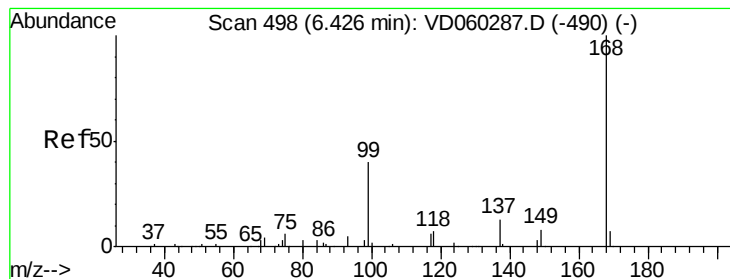
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120318\
Data File : VD060478.D
Acq On : 3 Dec 2018 16:39
Operator : VA/AP
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Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT

Quant Time: Dec 04 02:22:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

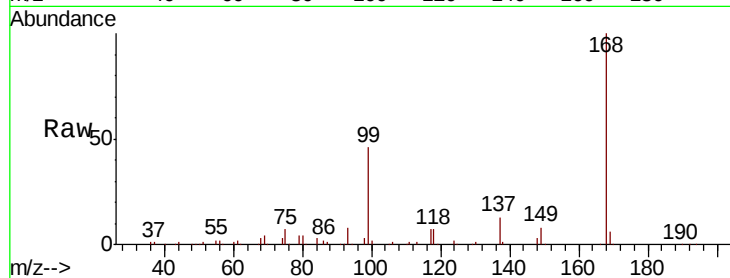
TEST-PIT

Tot Ion:168 Resp: 1365017

Ion Ratio Lower Upper

168 100

99 46.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

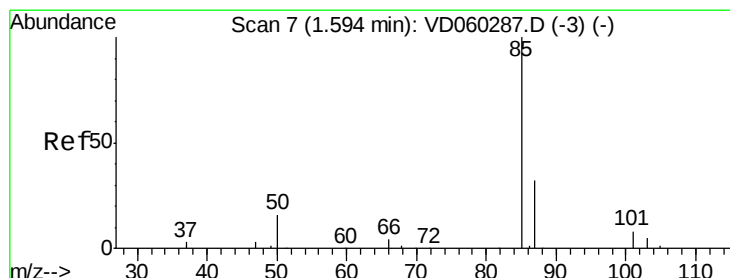
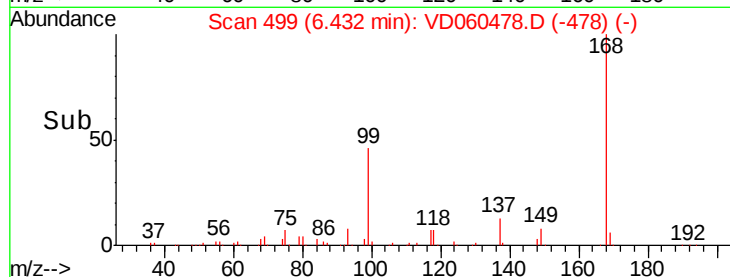
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060478.D

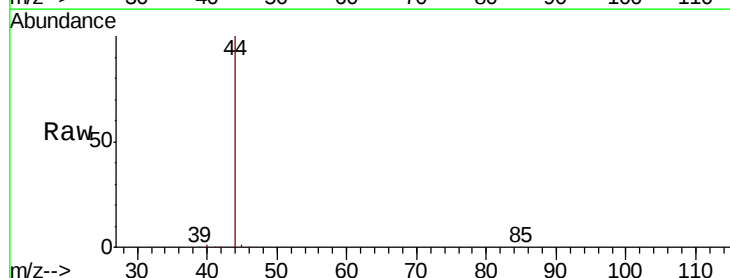
Acq: 3 Dec 2018 16:39

Tgt Ion: 85 Resp: 936

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

800

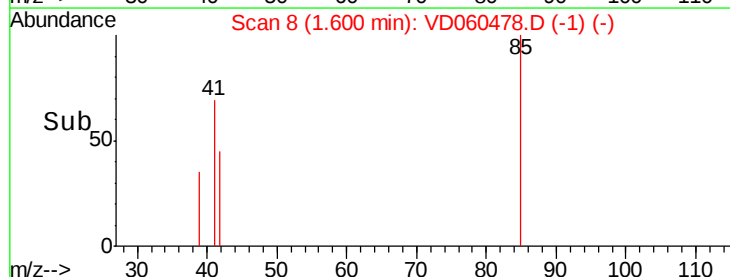
600

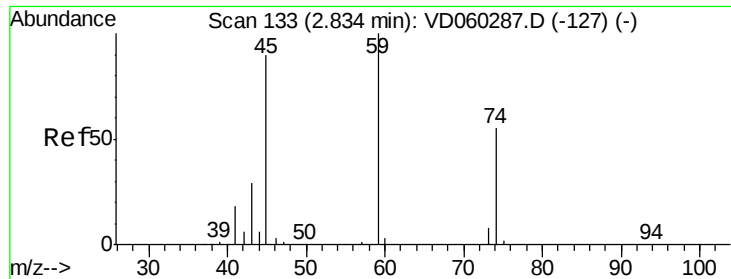
400

200

0

Time-->

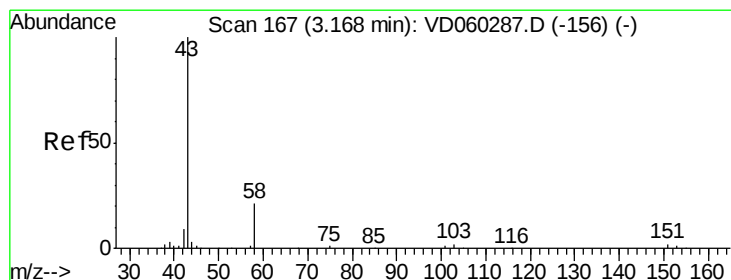
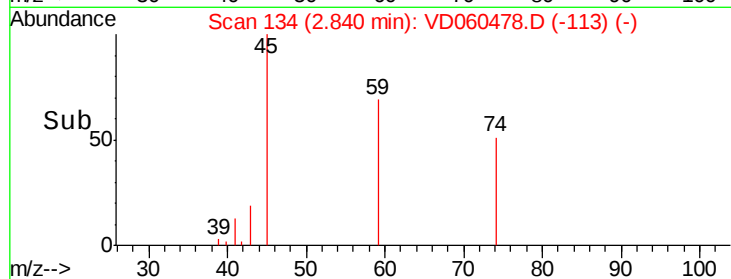
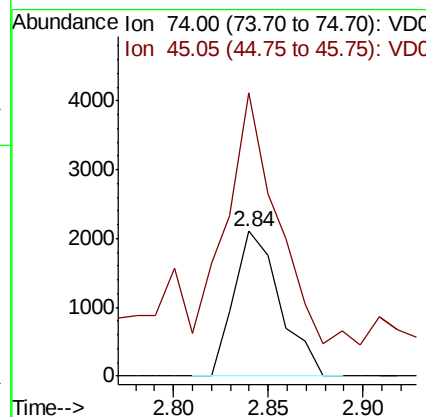
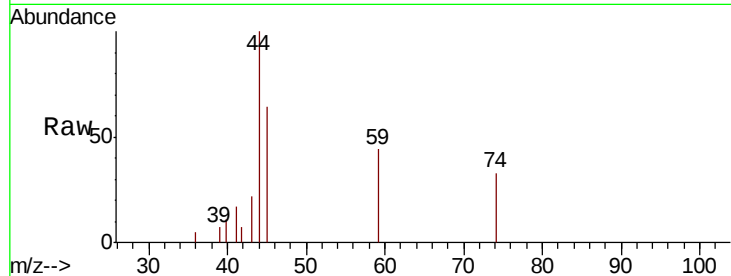




#8
Diethyl Ether
Concen: 1.574 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.01 min
Lab File: VD060478.D
Acq: 3 Dec 2018 16:39

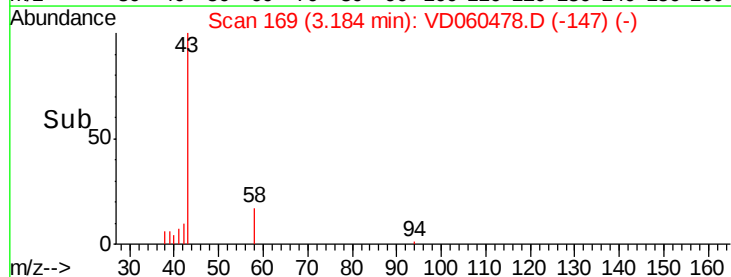
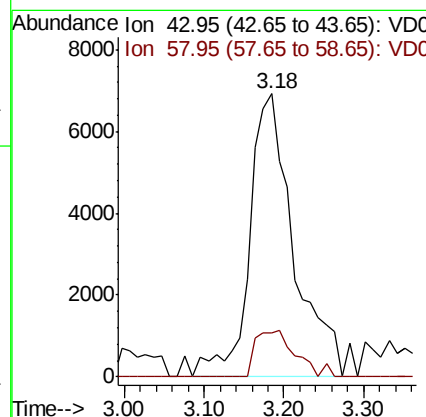
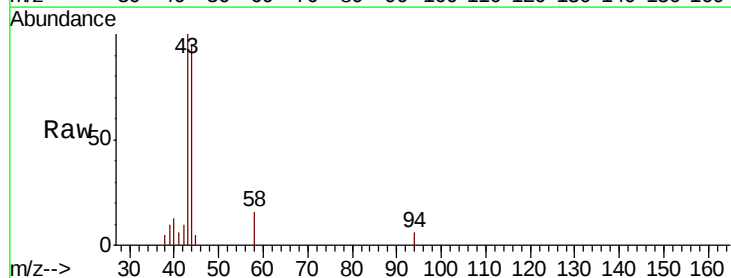
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT

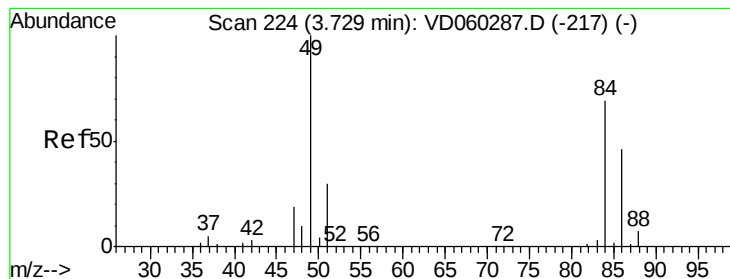
Tot Ion: 74 Resp: 3548
Ion Ratio Lower Upper
74 100
45 195.1 84.8 254.4



#16
Acetone
Concen: 15.549 ug/l
RT: 3.18 min Scan# 169
Delta R.T. 0.02 min
Lab File: VD060478.D
Acq: 3 Dec 2018 16:39

Tgt Ion: 43 Resp: 26361
Ion Ratio Lower Upper
43 100
58 15.7 16.9 25.3#





#20

Methylene Chloride

Concen: 5.716 ug/l

RT: 3.75 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

Tot Ion: 84 Resp: 85963

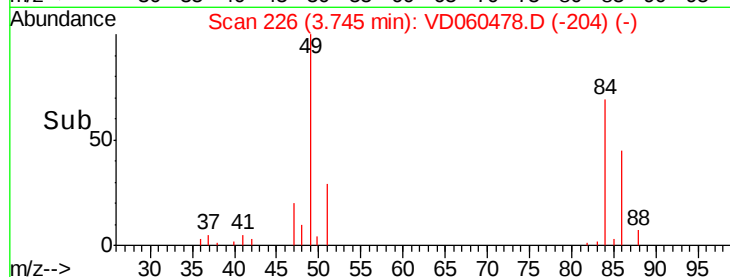
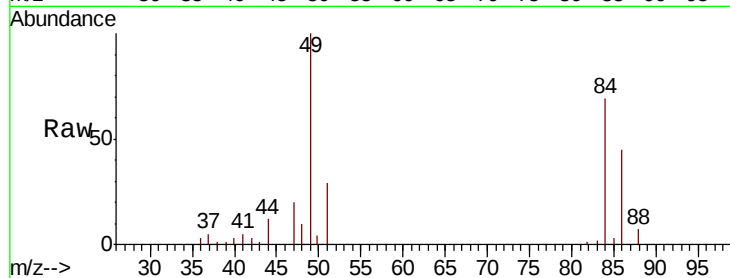
Ion Ratio Lower Upper

84 100

49 145.2 115.6 173.4

51 42.5 35.6 53.4

86 65.6 52.3 78.5

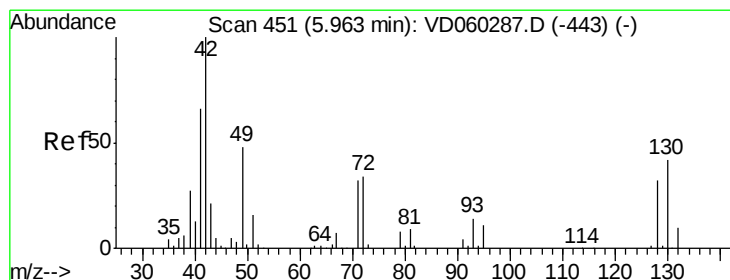
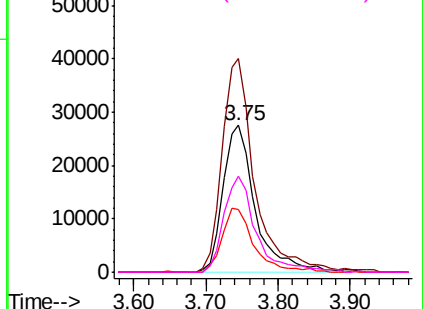


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.279 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

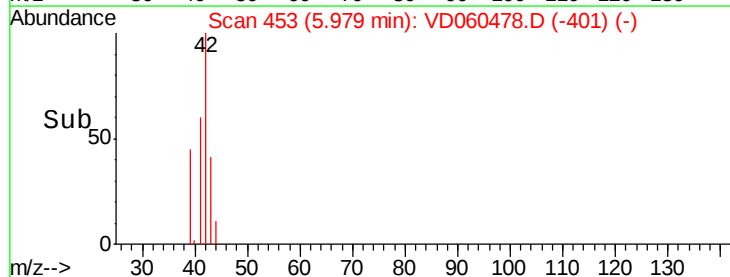
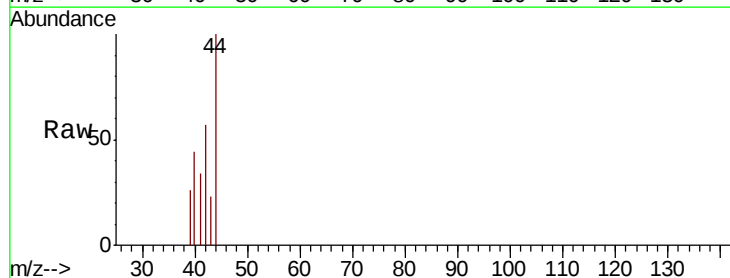
Tgt Ion: 42 Resp: 2376

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

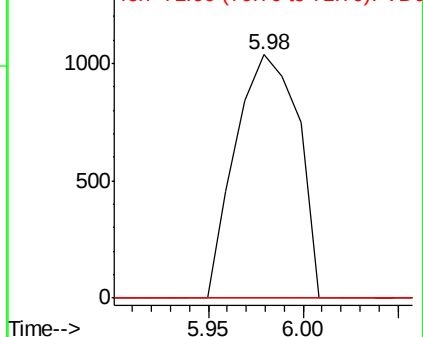
71 0.0 26.5 39.7#

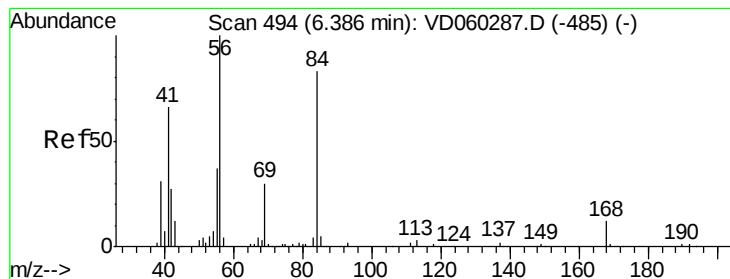


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 6.42 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

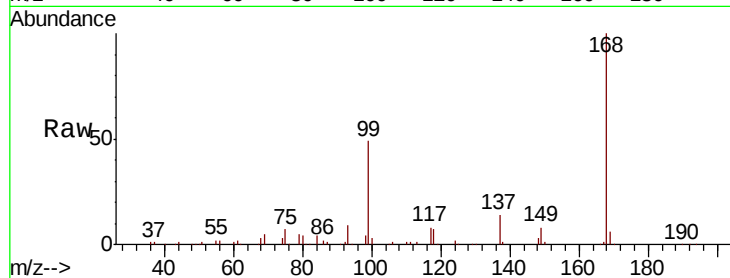
Tot Ion: 56 Resp: 24729

Ion Ratio Lower Upper

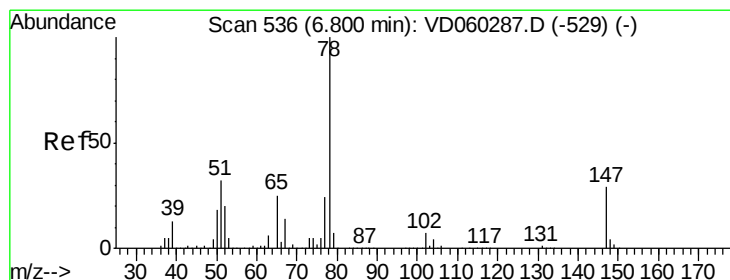
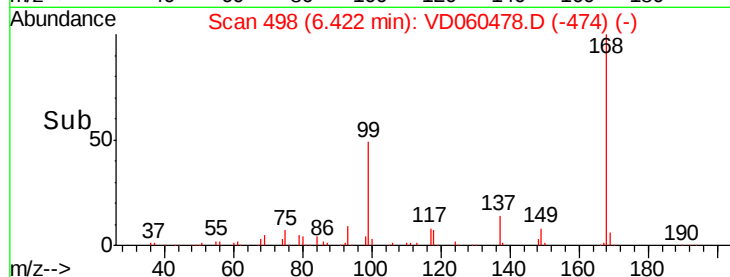
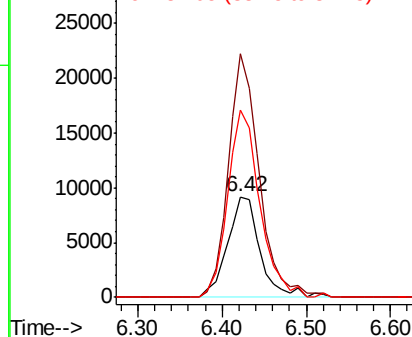
56 100

69 242.2 22.2 33.2#

84 186.6 63.0 94.4#



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: N.D. ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060478.D

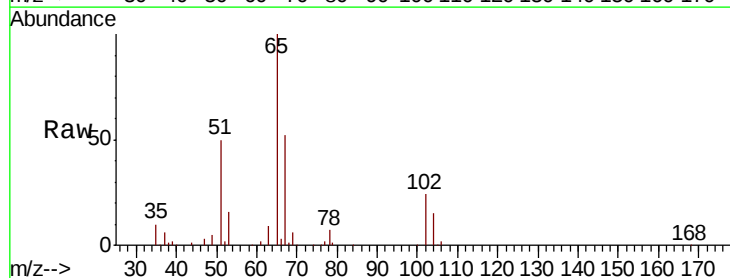
Acq: 3 Dec 2018 16:39

Tgt Ion: 65 Resp: 423139

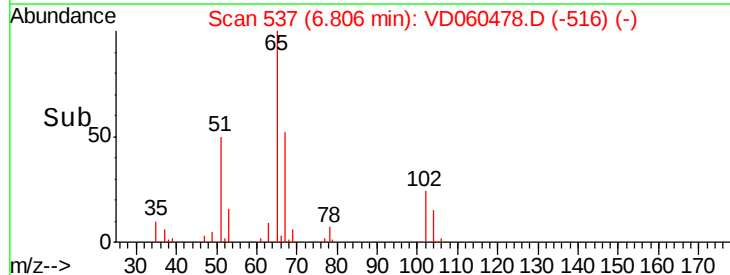
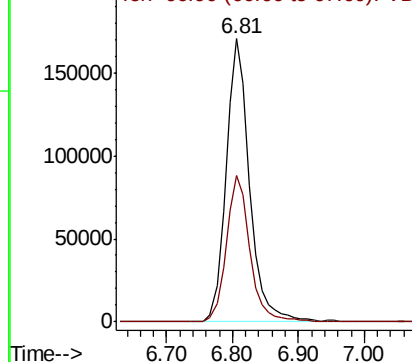
Ion Ratio Lower Upper

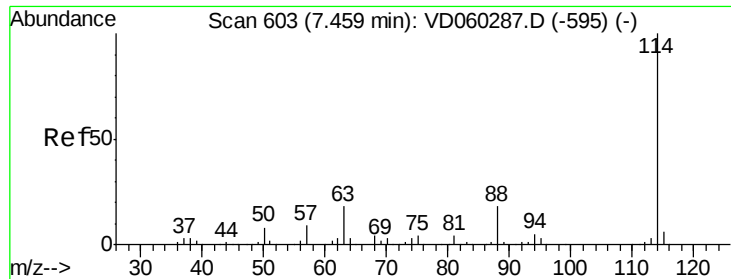
65 100

67 51.8 0.0 109.8



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

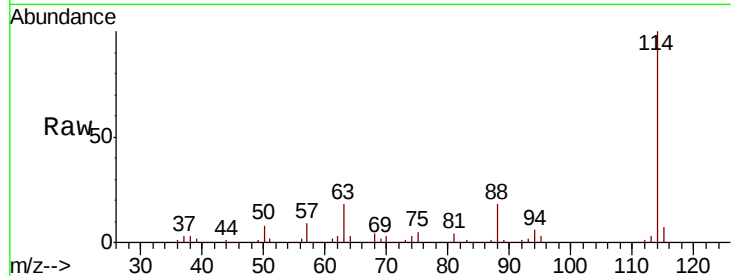




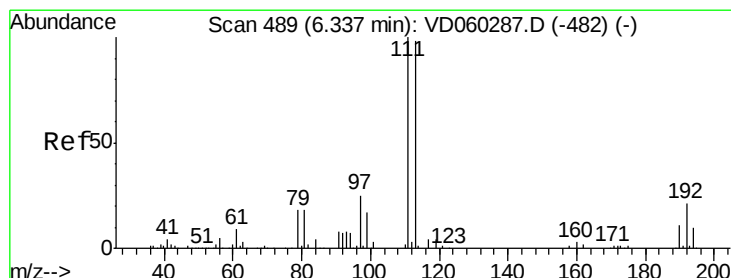
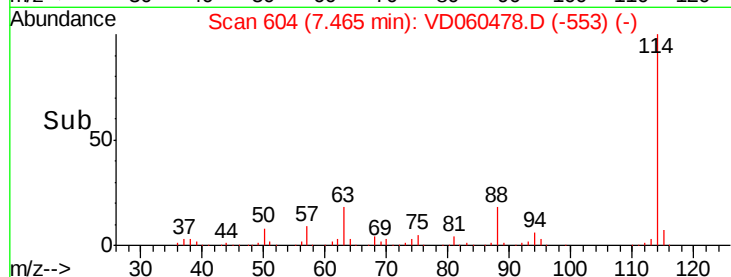
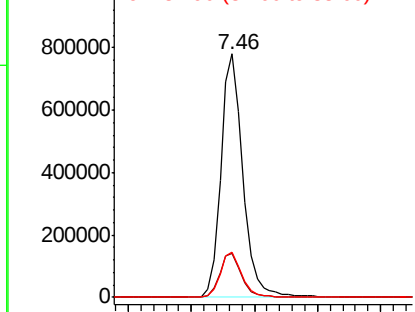
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.46 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD060478.D
Acq: 3 Dec 2018 16:39

Instrument :
MSVOA_D
ClientSampled :
TEST-PIT

Tot Ion:114 Resp: 1890119
Ion Ratio Lower Upper
114 100
63 17.8 0.0 34.0
88 18.4 0.0 35.4

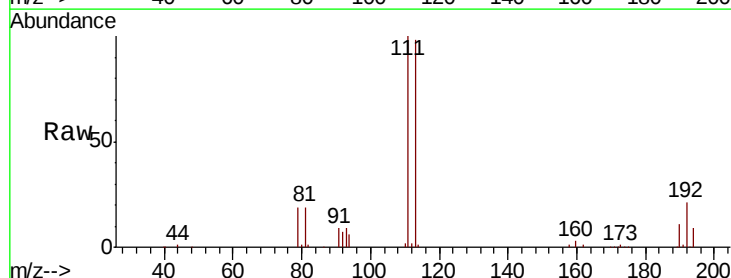


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

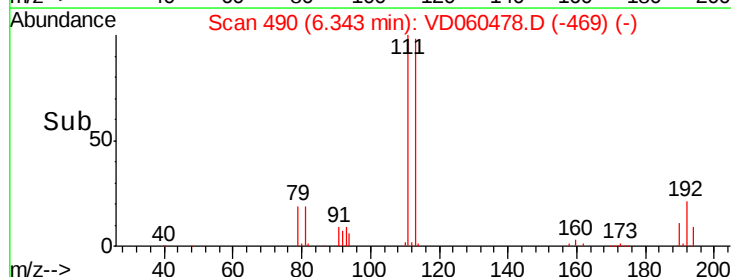
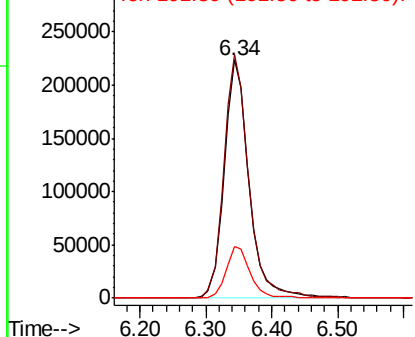


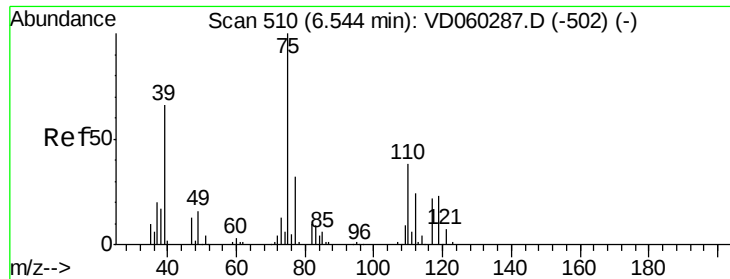
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060478.D
Acq: 3 Dec 2018 16:39

Tgt Ion:113 Resp: 588232
Ion Ratio Lower Upper
113 100
111 102.3 81.6 122.4
192 21.4 16.5 24.7



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: 5.063 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.12 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

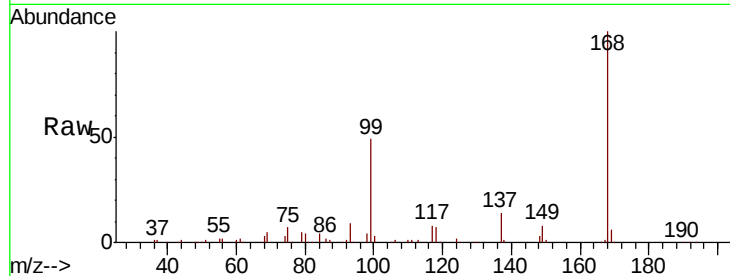
Tot Ion: 75 Resp: 94536

Ion Ratio Lower Upper

75 100

110 7.6 18.0 54.0#

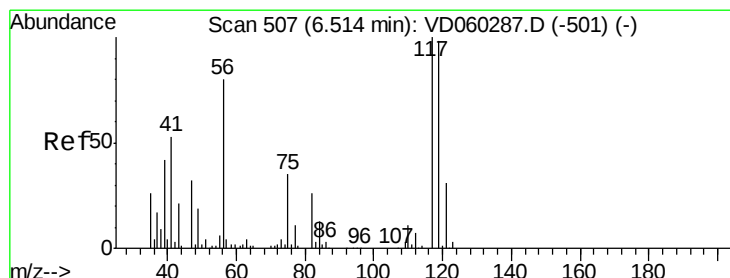
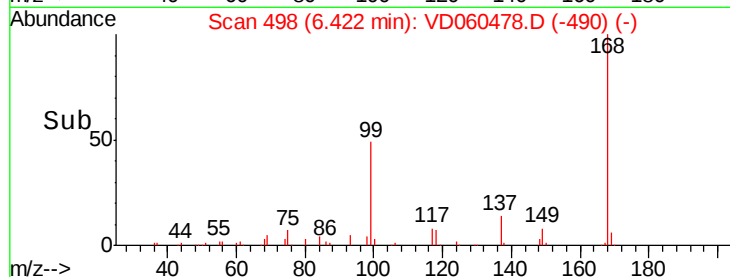
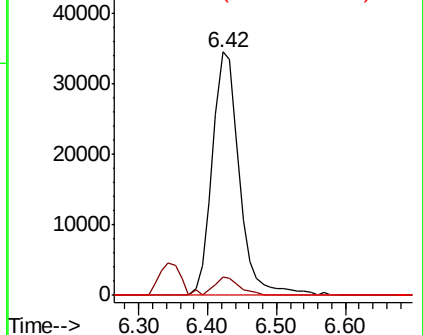
77 0.0 25.6 38.4#



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: 6.064 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.09 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

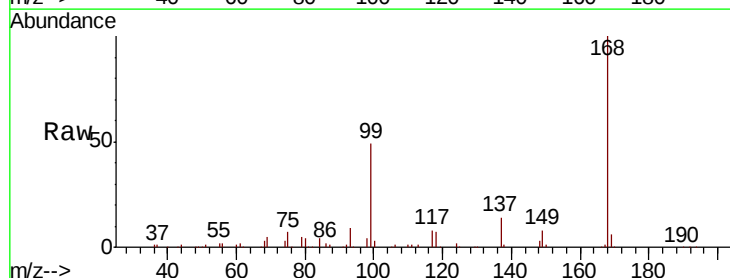
Tgt Ion: 117 Resp: 105048

Ion Ratio Lower Upper

117 100

119 4.5 76.6 115.0#

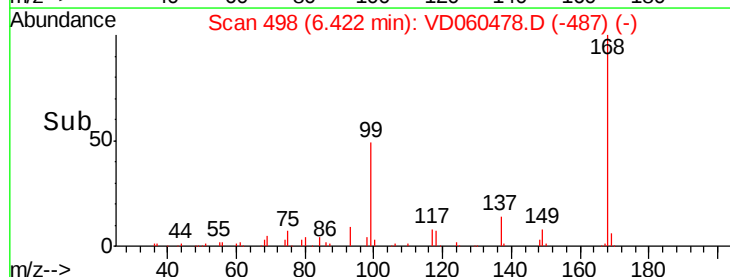
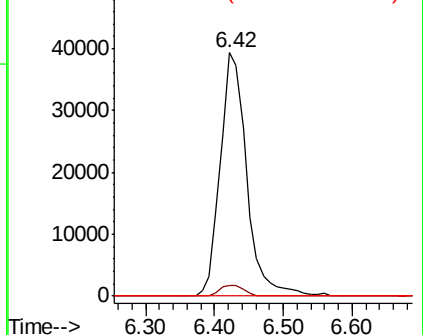
121 0.0 24.3 36.5#

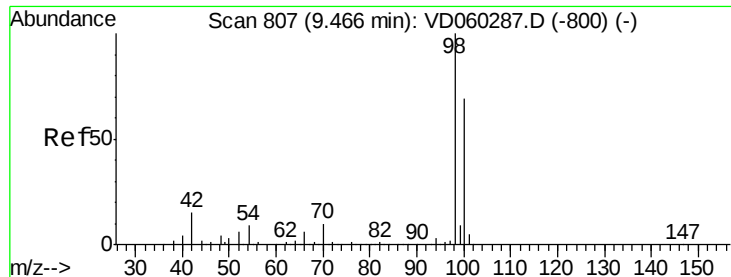


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

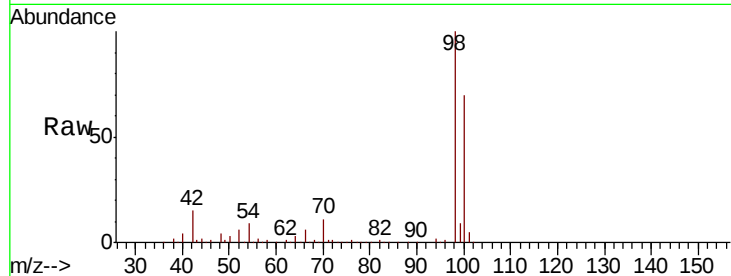
TEST-PIT

Tot Ion: 98 Resp: 1593188

Ion Ratio Lower Upper

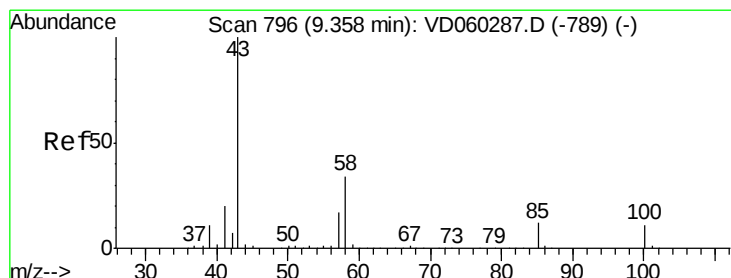
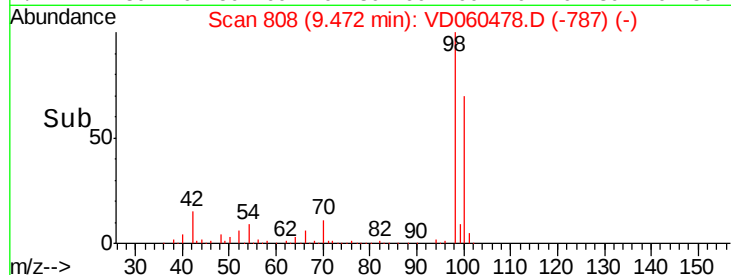
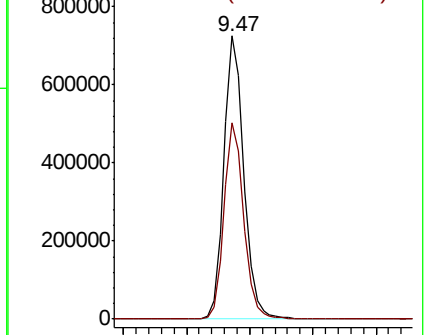
98 100

100 69.6 55.2 82.8



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: 1.277 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.11 min

Lab File: VD060478.D

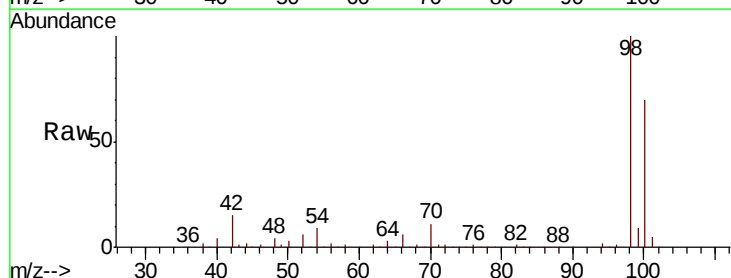
Acq: 3 Dec 2018 16:39

Tgt Ion: 43 Resp: 8969

Ion Ratio Lower Upper

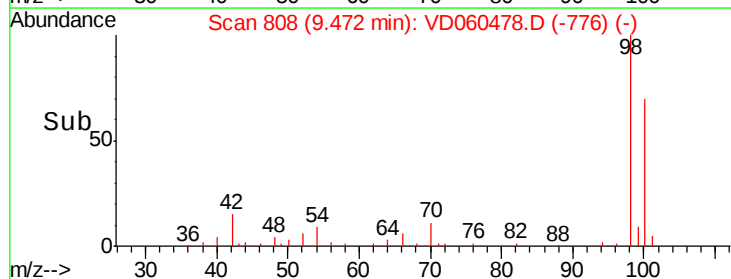
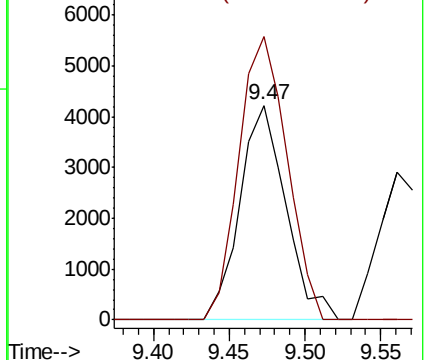
43 100

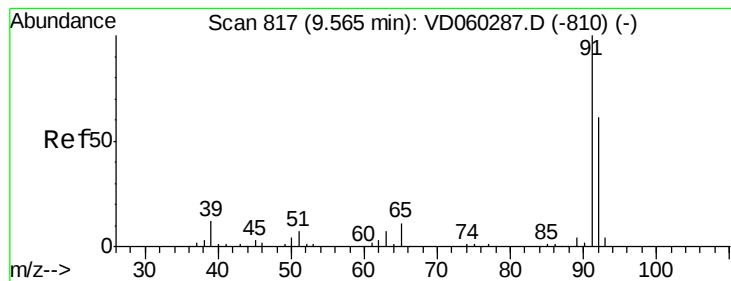
58 132.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 10.820 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

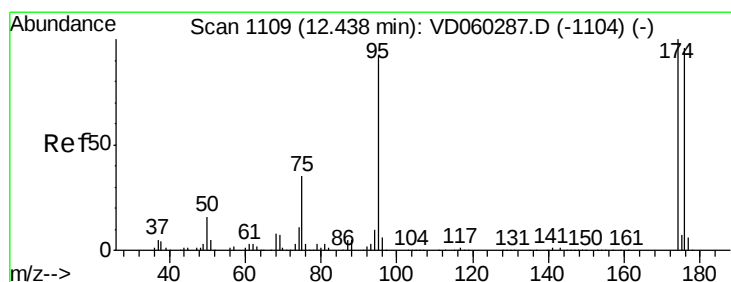
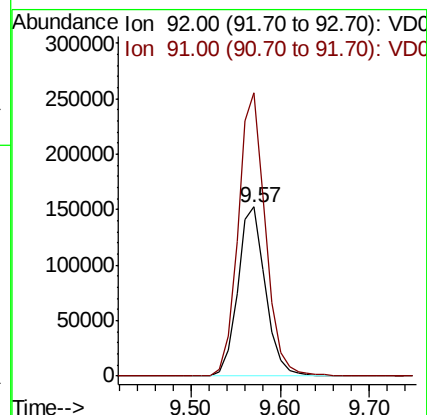
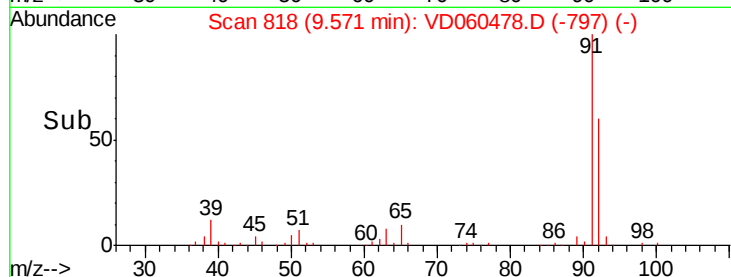
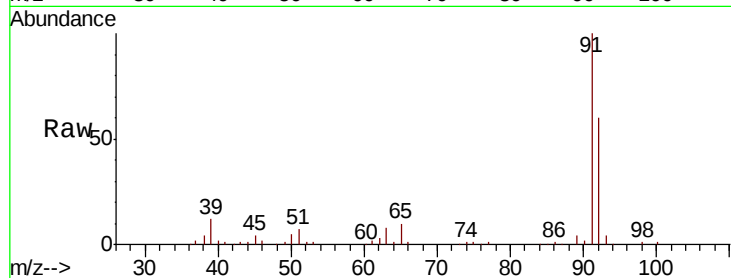
TEST-PIT

Tot Ion: 92 Resp: 329452

Ion Ratio Lower Upper

92 100

91 167.2 131.9 197.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060478.D

Acq: 3 Dec 2018 16:39

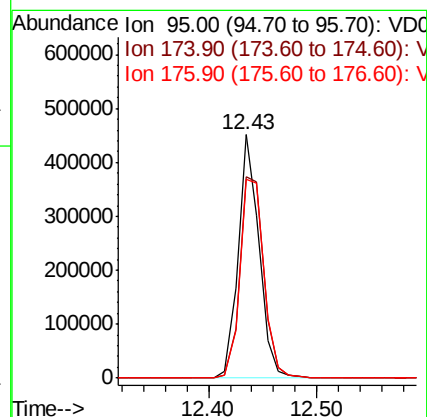
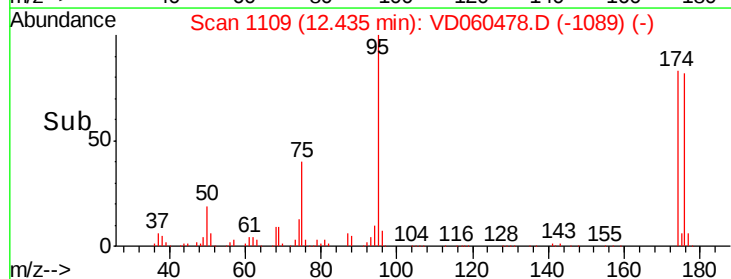
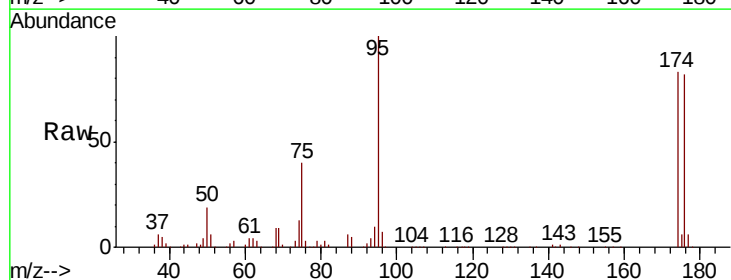
Tgt Ion: 95 Resp: 605958

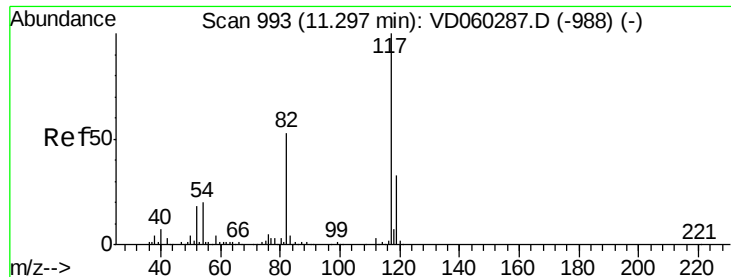
Ion Ratio Lower Upper

95 100

174 83.0 0.0 160.8

176 81.7 0.0 154.6

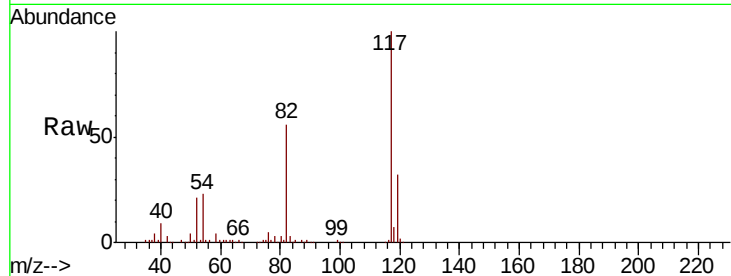




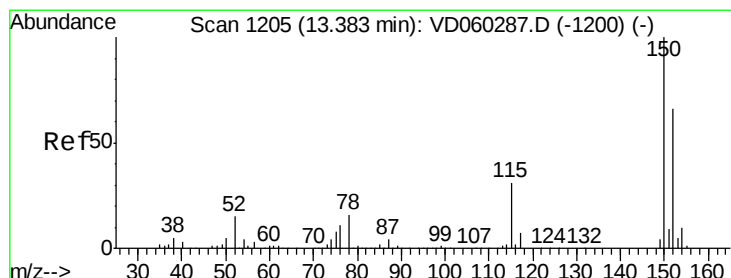
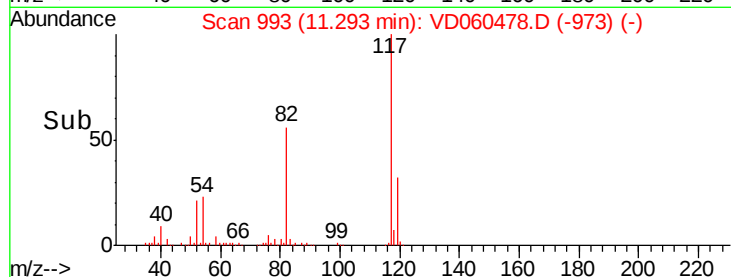
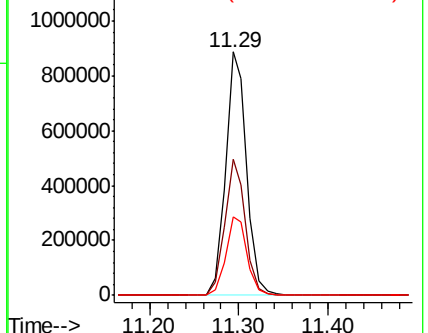
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060478.D
Acq: 3 Dec 2018 16:39

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT

Tot Ion:117 Resp: 1471582
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.5 26.1 39.1

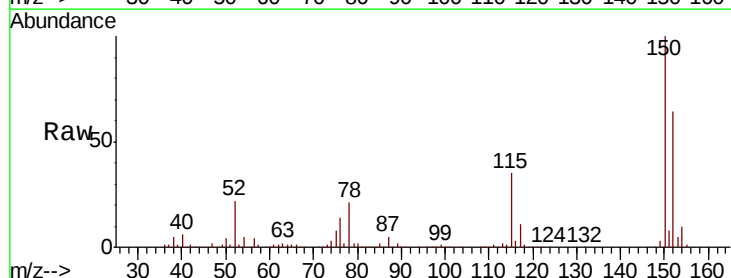


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

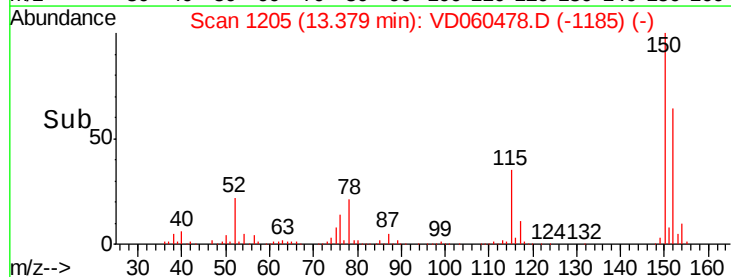
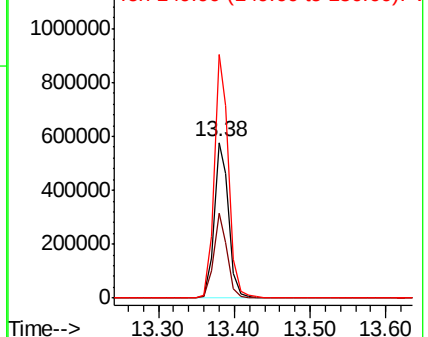


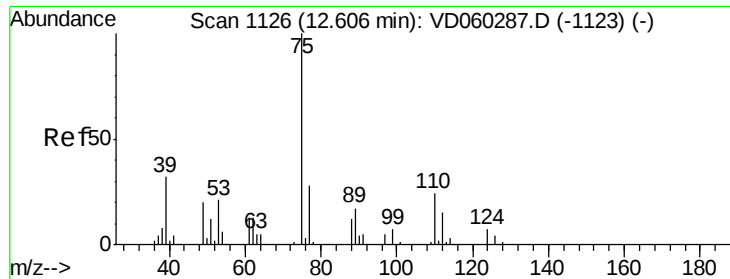
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060478.D
Acq: 3 Dec 2018 16:39

Tgt Ion:152 Resp: 781050
Ion Ratio Lower Upper
152 100
115 54.4 24.1 72.3
150 156.5 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

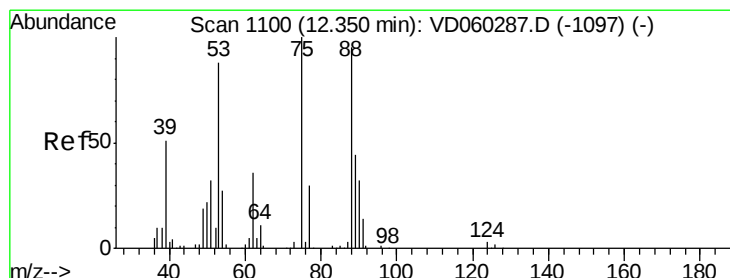
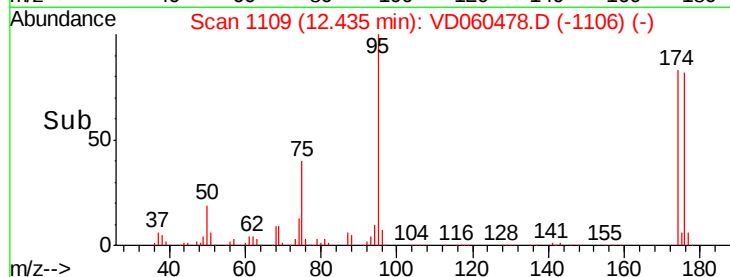
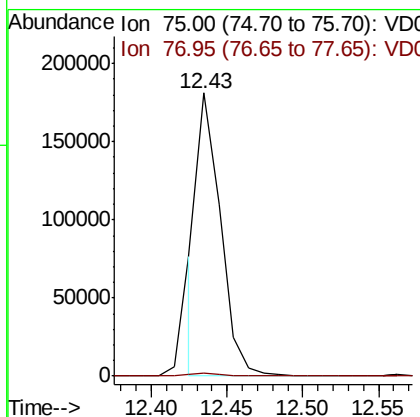
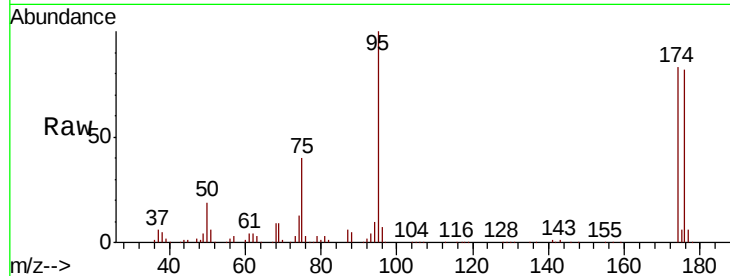




#76
 1,2,3-Trichloropropane
 Concen: 20.494 ug/l
 RT: 12.43 min Scan# 1109
 Delta R.T. -0.17 min
 Lab File: VD060478.D
 Acq: 3 Dec 2018 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT

Tot Ion: 75 Resp: 191481
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.4 49.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.436 ug/l
 RT: 12.43 min Scan# 1109
 Delta R.T. 0.08 min
 Lab File: VD060478.D
 Acq: 3 Dec 2018 16:39

Tgt Ion: 75 Resp: 240558
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#

