

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060485.D
 Acq On : 4 Dec 2018 14:11
 Operator : VA/AP
 Sample : J6192-01
 Misc : 7.05g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-120318

Quant Time: Dec 05 02:25:02 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	6.41	168	1336675	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1798107	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1288474	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	485345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	439806	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
35) Dibromofluoromethane	6.33	113	603868	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
50) Toluene-d8	9.46	98	1510962	38.50	ug/l	0.00
Spiked Amount			Recovery	=	77.00%	
62) 4-Bromofluorobenzene	12.42	95	466553	32.81	ug/l	-0.02
Spiked Amount			Recovery	=	65.62%	

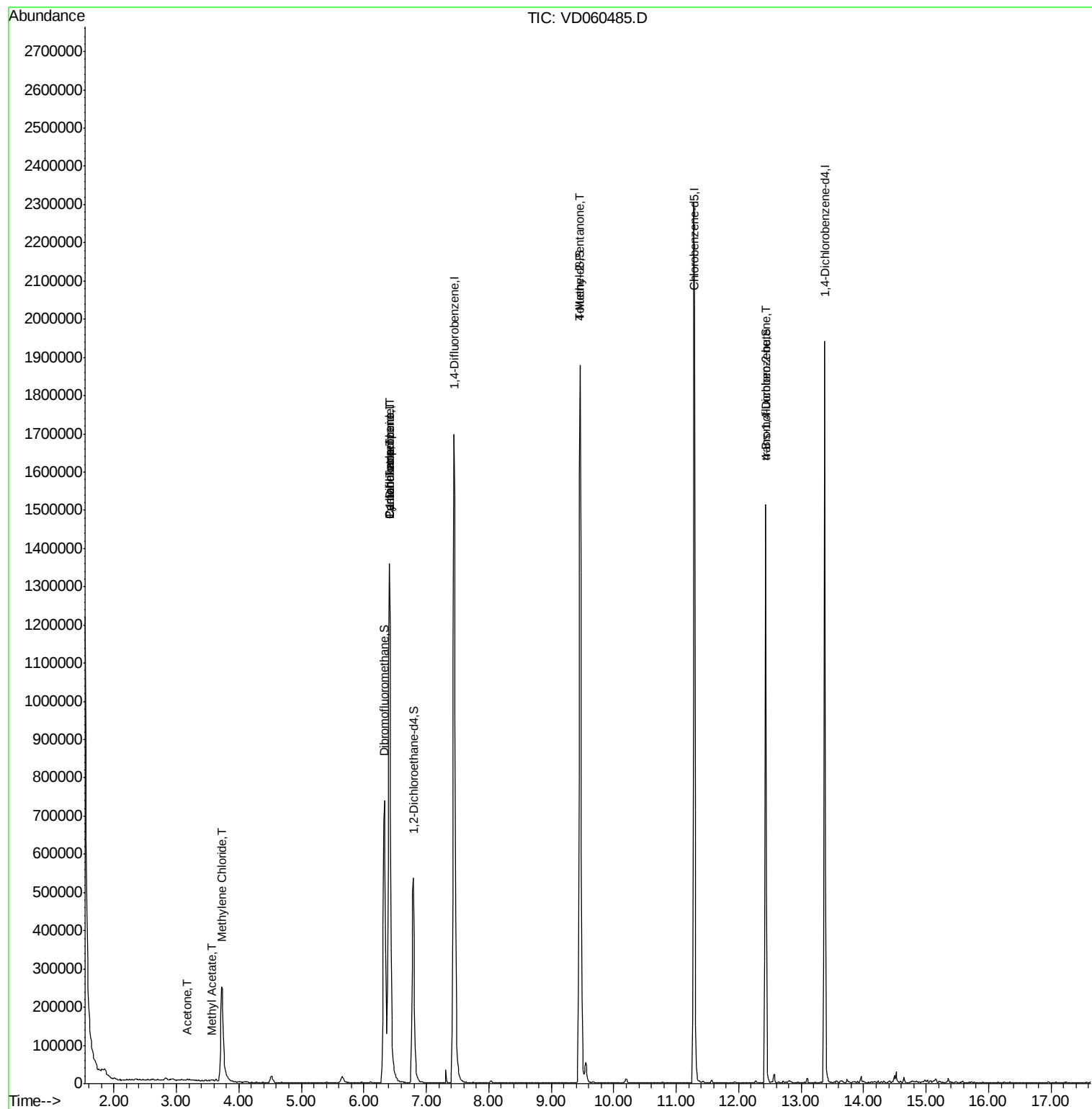
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	676	Below Cal	#	41
16) Acetone	3.18	43	6102	3.676	ug/l #	55
18) Methyl Acetate	3.56	43	4069	1.149	ug/l #	63
20) Methylene Chloride	3.73	84	176999	12.019	ug/l	90
31) Cyclohexane	6.41	56	24716	1.082	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	94984	5.347	ug/l #	46
38) Carbon Tetrachloride	6.41	117	100104	6.075	ug/l #	16
51) 4-Methyl-2-Pentanone	9.45	43	7446	1.114	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.42	75	185825	112.422	ug/l #	15
89) n-Butylbenzene	13.65	91	2936	Below Cal		90

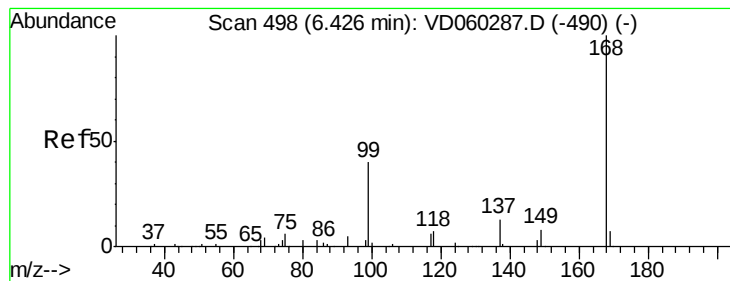
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120418\
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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: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

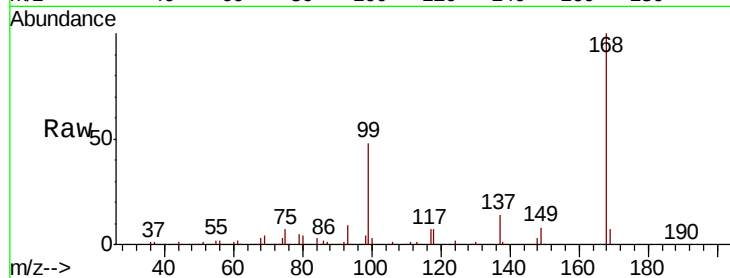
HD-02-120318

Tot Ion:168 Resp: 1336675

Ion Ratio Lower Upper

168 100

99 48.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

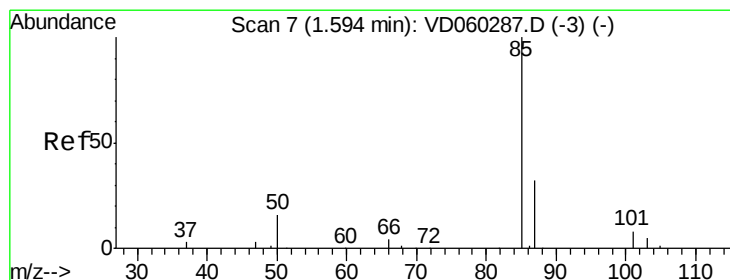
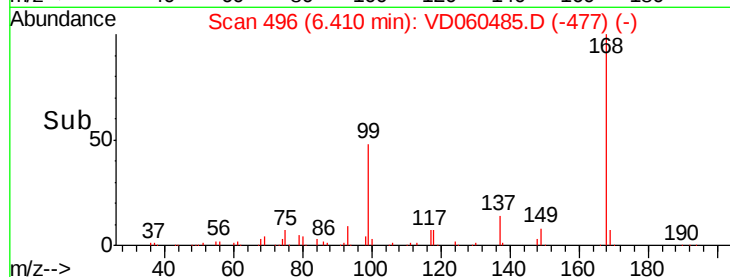
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060485.D

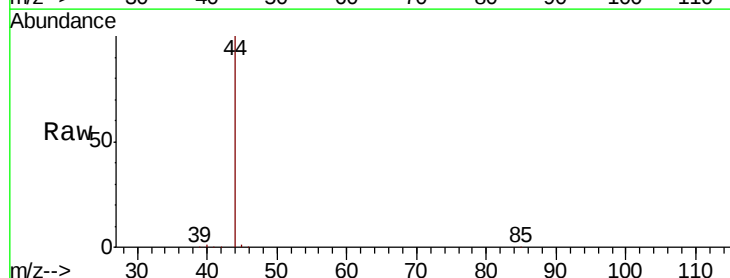
Acq: 4 Dec 2018 14:11

Tgt Ion: 85 Resp: 676

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

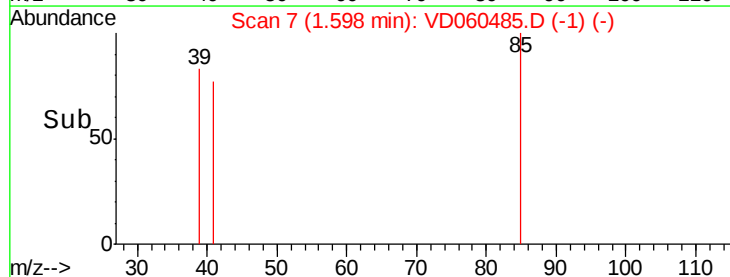
600

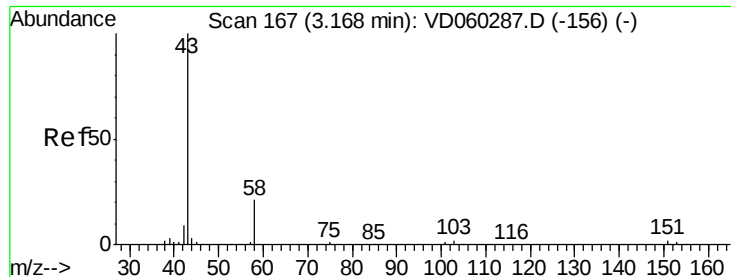
400

200

0

Time-->





#16

Acetone

Concen: 3.676 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

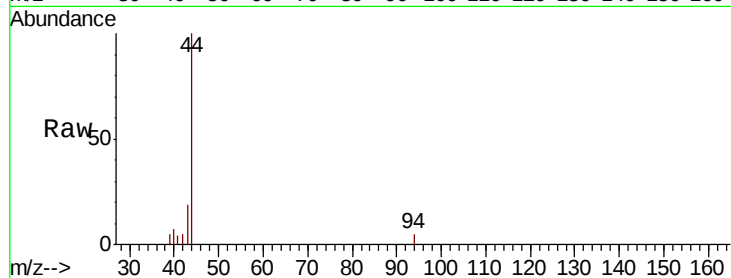
HD-02-120318

Tot Ion: 43 Resp: 6102

Ion Ratio Lower Upper

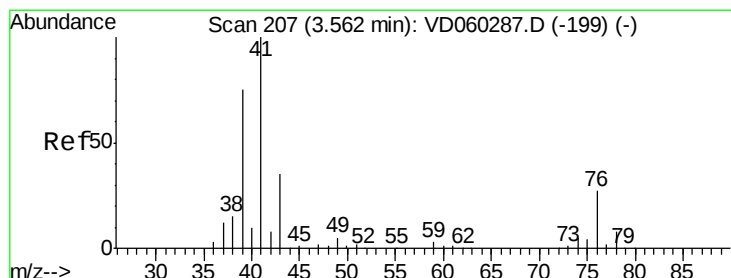
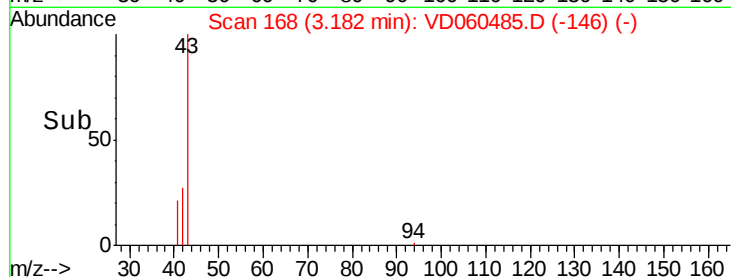
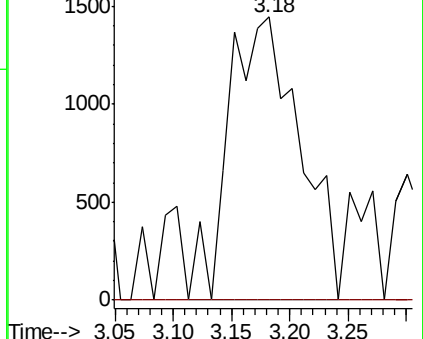
43 100

58 0.0 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.149 ug/l

RT: 3.56 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060485.D

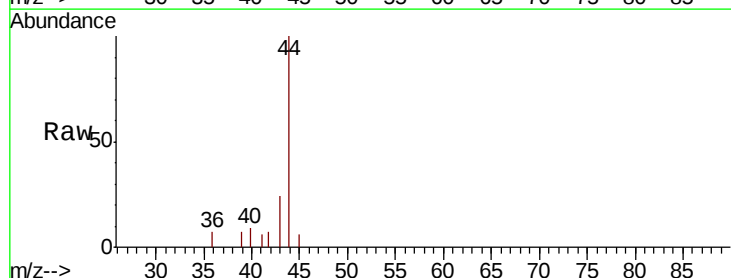
Acq: 4 Dec 2018 14:11

Tgt Ion: 43 Resp: 4069

Ion Ratio Lower Upper

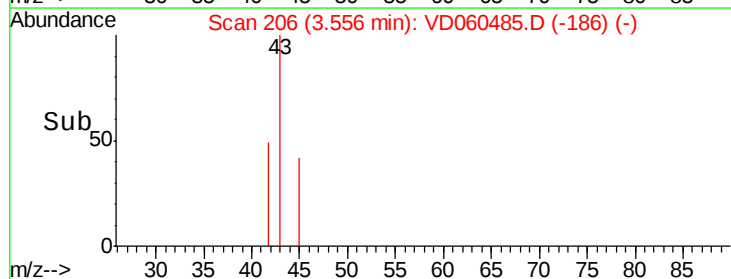
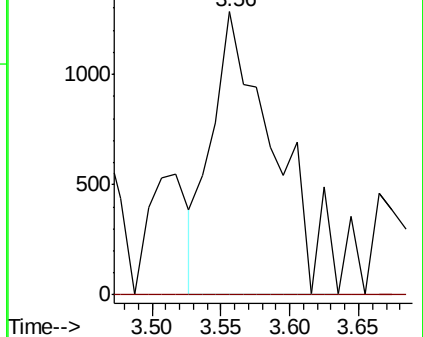
43 100

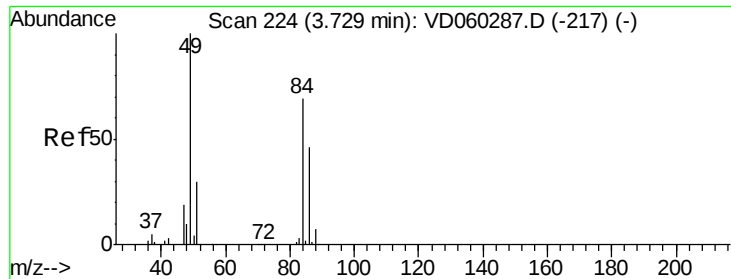
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

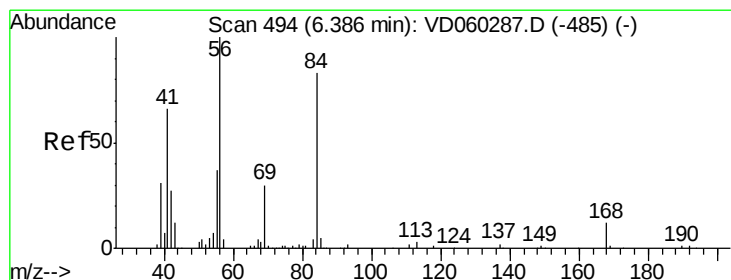
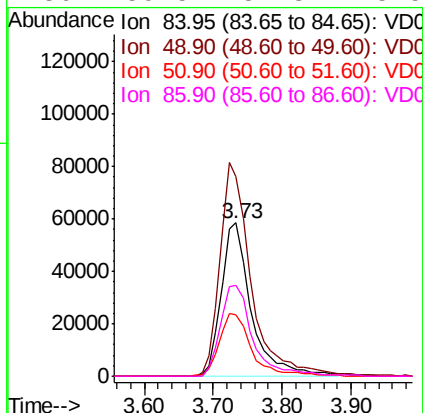
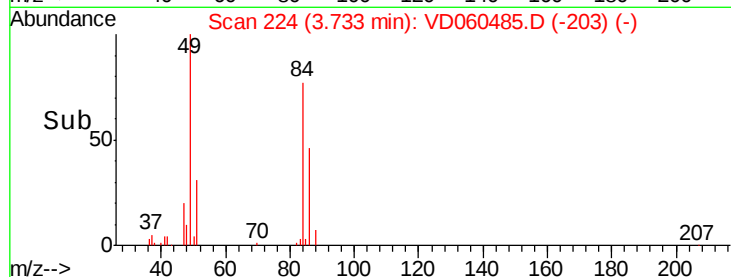
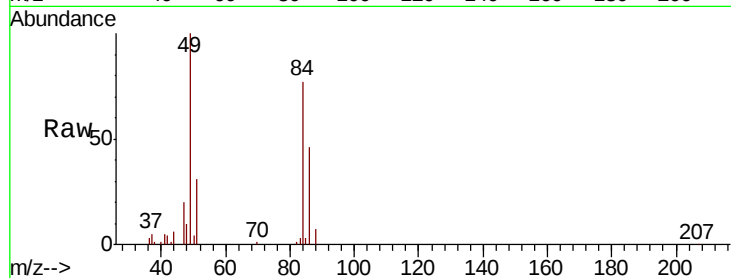




#20
Methylene Chloride
Concen: 12.019 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060485.D
Acq: 4 Dec 2018 14:11

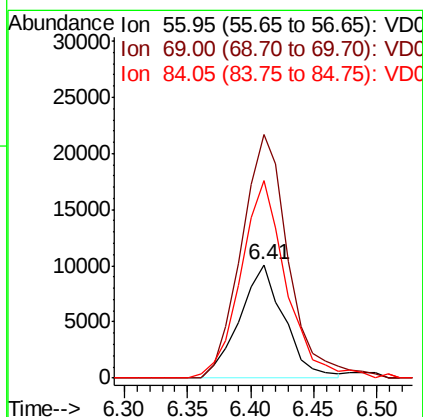
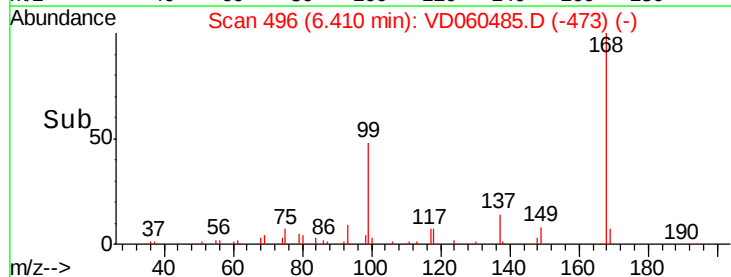
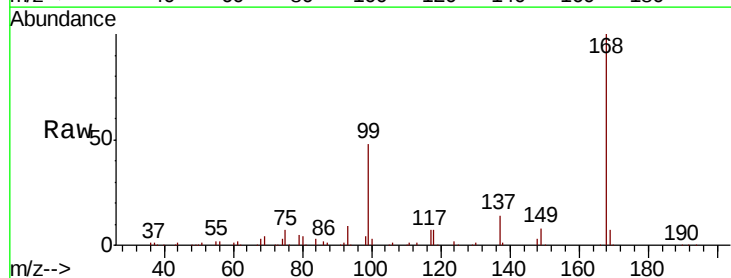
Instrument :
MSVOA_D
ClientSampleId :
HD-02-120318

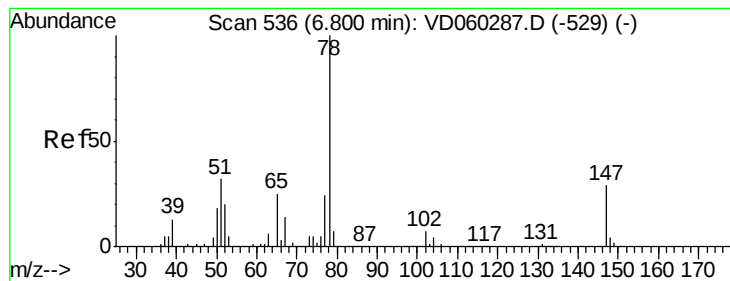
Tot Ion: 84 Resp: 176999
Ion Ratio Lower Upper
84 100
49 130.6 115.6 173.4
51 40.0 35.6 53.4
86 59.5 52.3 78.5



#31
Cyclohexane
Concen: 1.082 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060485.D
Acq: 4 Dec 2018 14:11

Tgt Ion: 56 Resp: 24716
Ion Ratio Lower Upper
56 100
69 215.0 22.2 33.2#
84 174.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

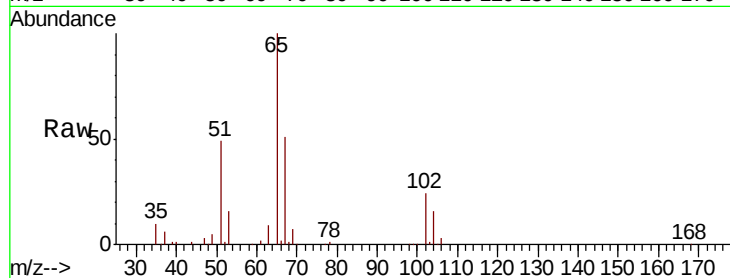
HD-02-120318

Tot Ion: 65 Resp: 439806

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

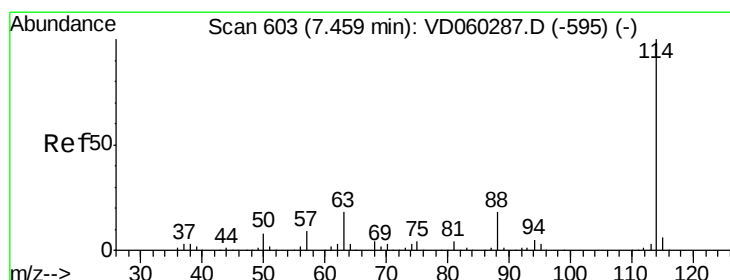
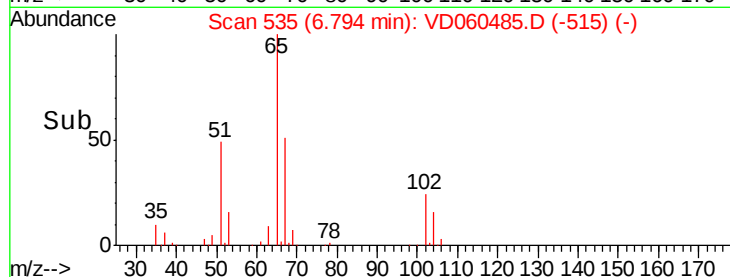
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

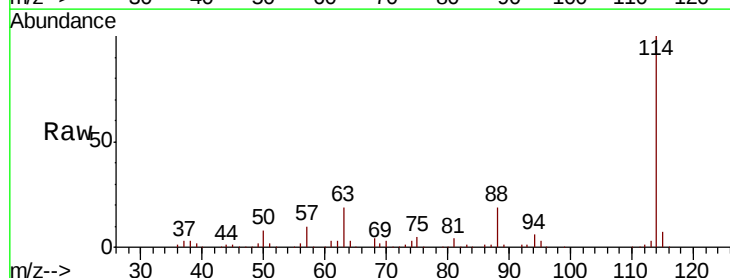
Tgt Ion: 114 Resp: 1798107

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

88 19.0 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

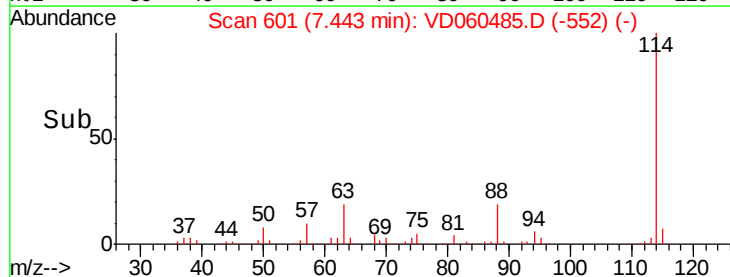
400000

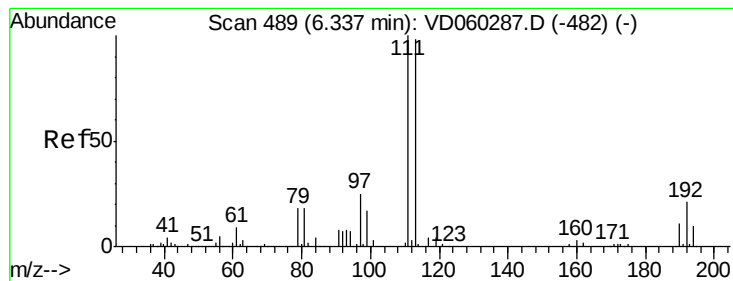
200000

0

7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

HD-02-120318

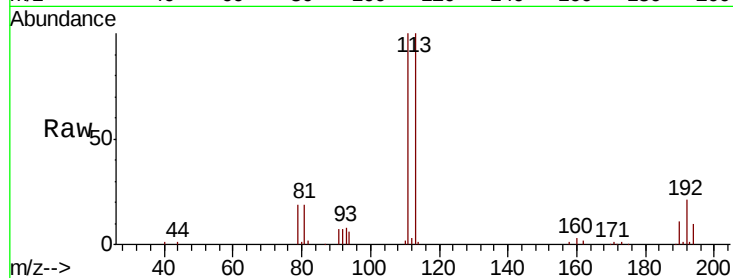
Tot Ion:113 Resp: 603868

Ion Ratio Lower Upper

113 100

111 100.3 81.6 122.4

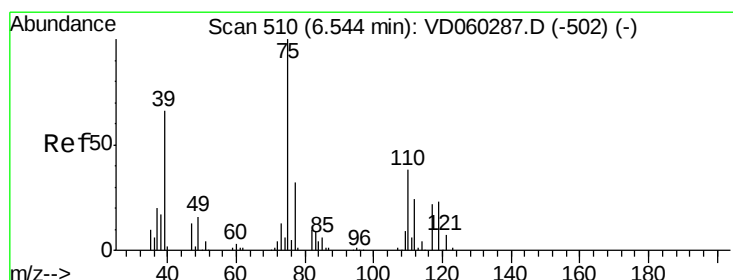
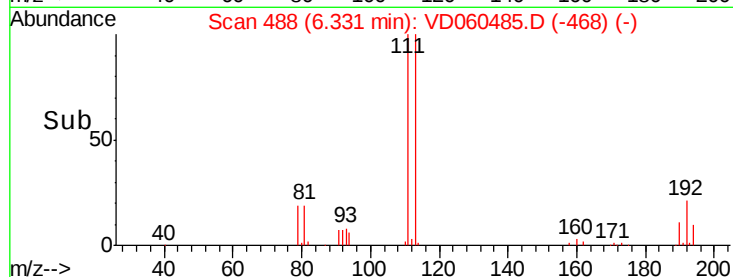
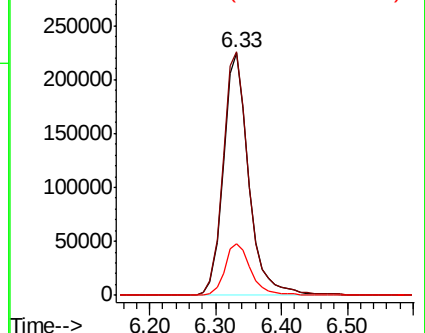
192 21.3 16.5 24.7



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: 5.347 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.13 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

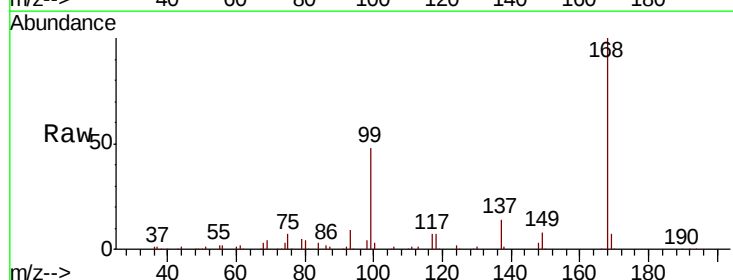
Tgt Ion: 75 Resp: 94984

Ion Ratio Lower Upper

75 100

110 6.2 18.0 54.0#

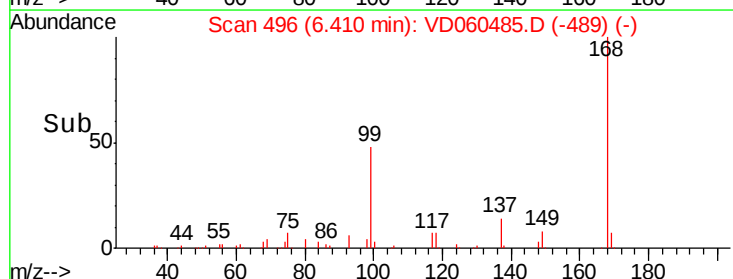
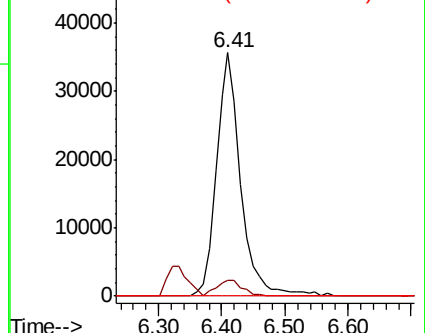
77 0.0 25.6 38.4#

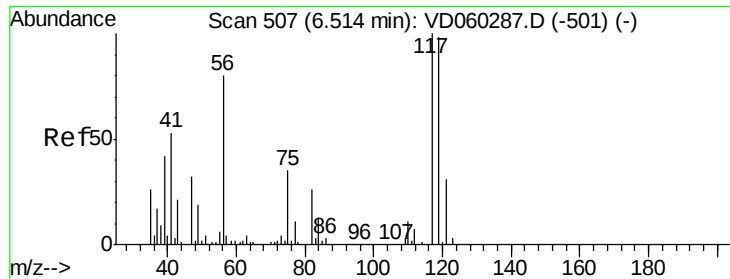


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.075 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

Instrument :
MSVOA_D

ClientSampleId :
HD-02-120318

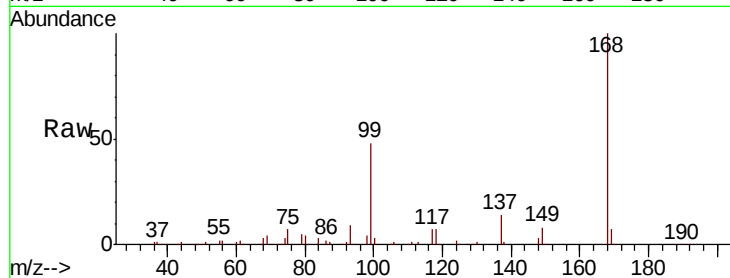
Tot Ion:117 Resp: 100104

Ion Ratio Lower Upper

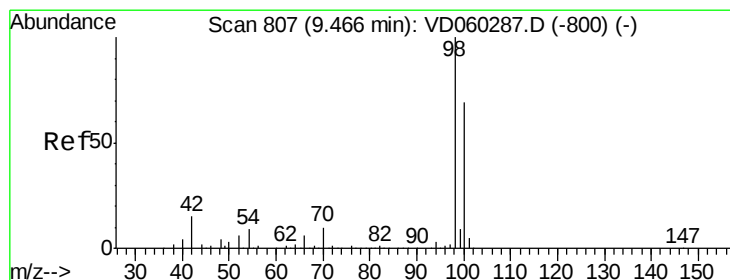
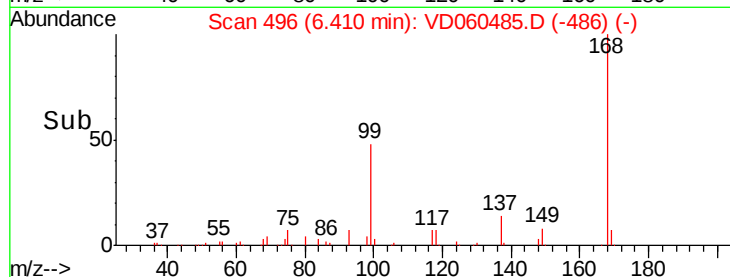
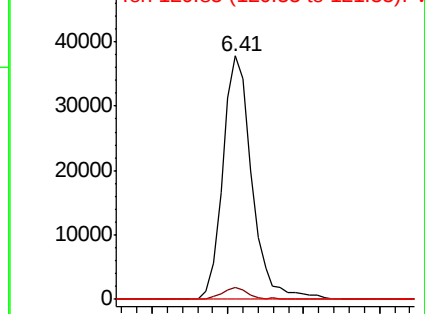
117 100

119 5.1 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: 9.46 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060485.D

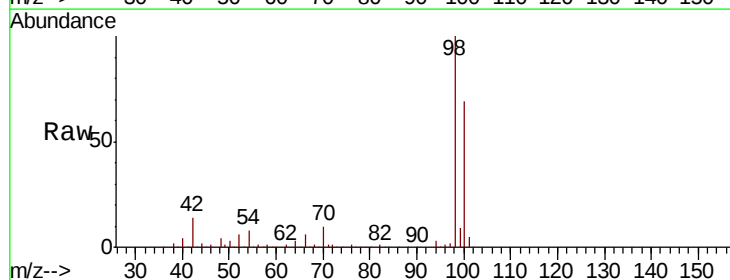
Acq: 4 Dec 2018 14:11

Tgt Ion: 98 Resp: 1510962

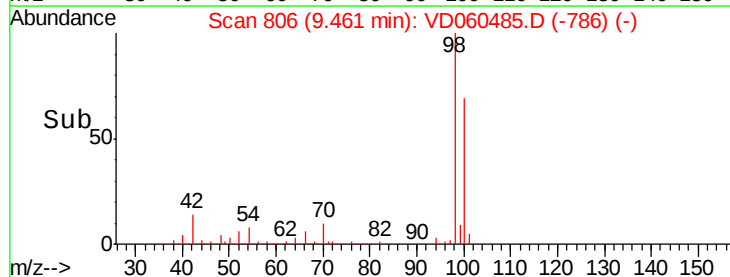
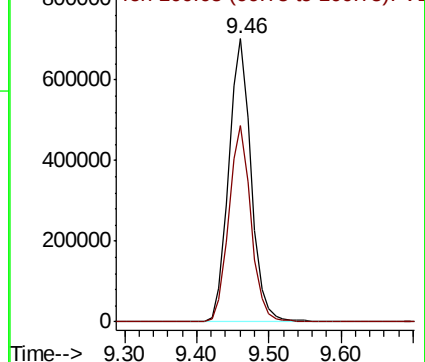
Ion Ratio Lower Upper

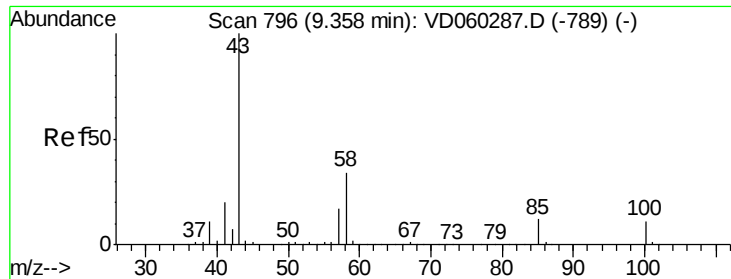
98 100

100 69.4 55.2 82.8



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: 1.114 ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.09 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

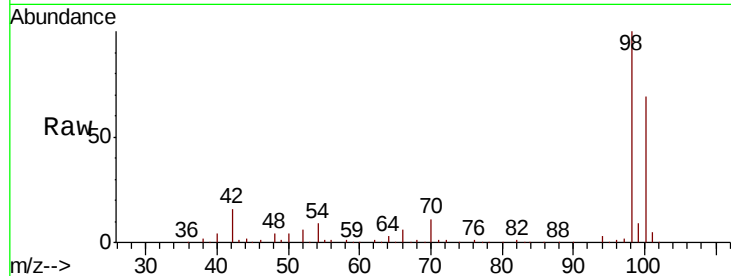
HD-02-120318

Tot Ion: 43 Resp: 7446

Ion Ratio Lower Upper

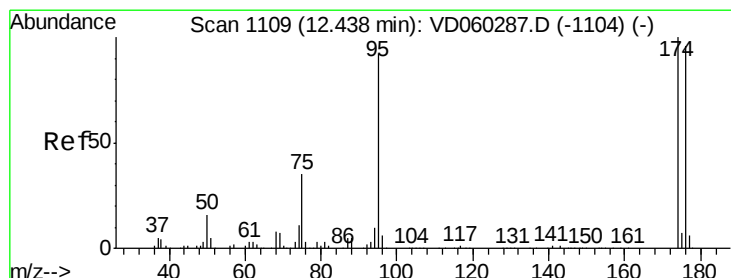
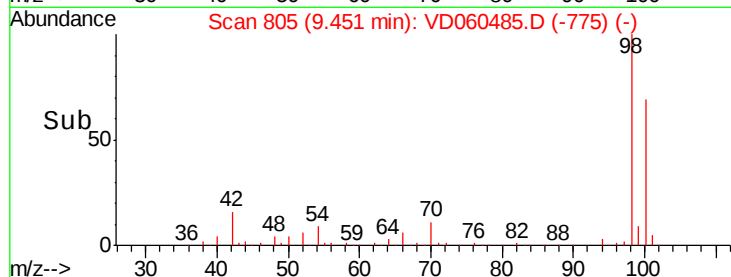
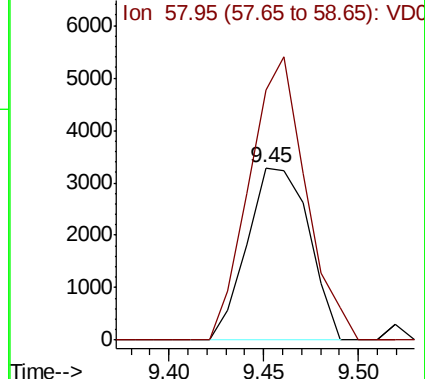
43 100

58 145.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

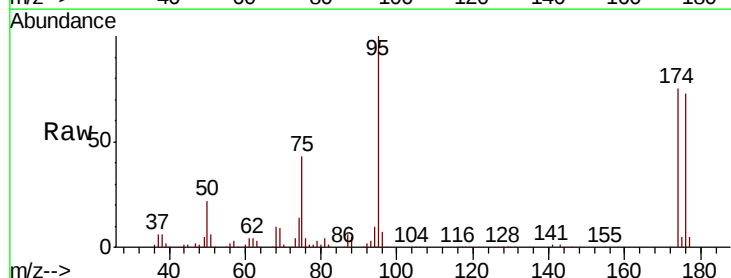
Tgt Ion: 95 Resp: 466553

Ion Ratio Lower Upper

95 100

174 75.4 0.0 160.8

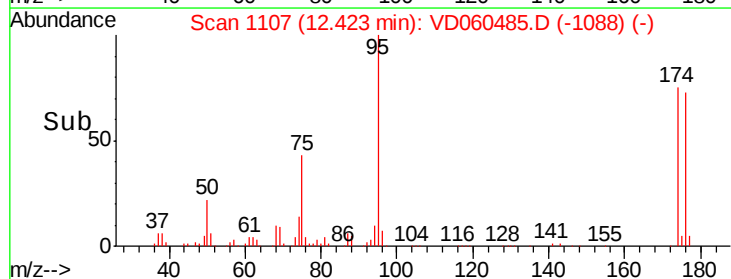
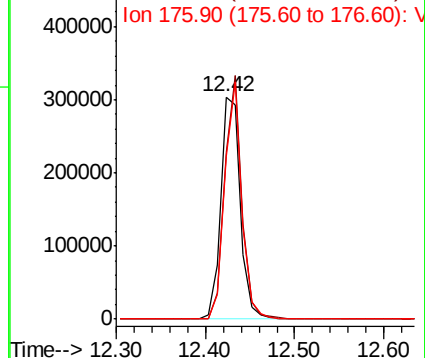
176 73.2 0.0 154.6

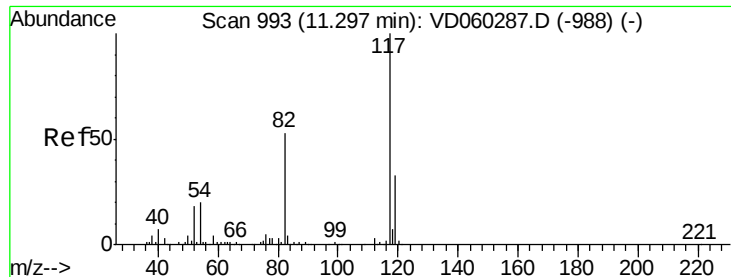


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

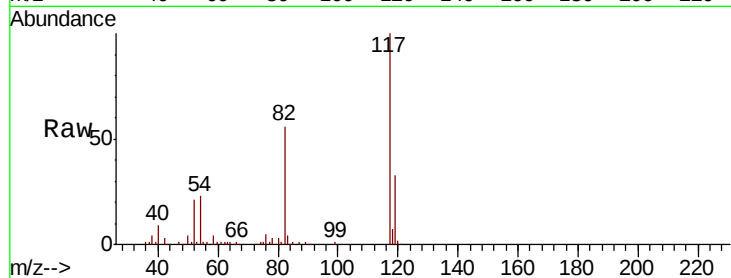




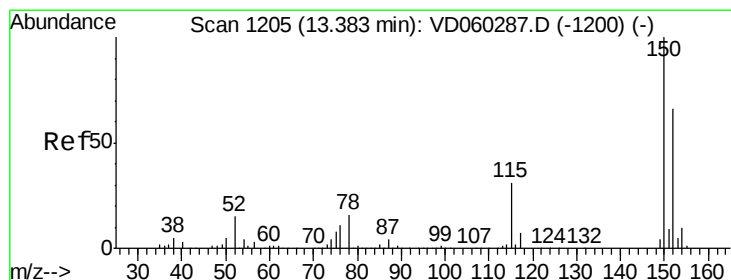
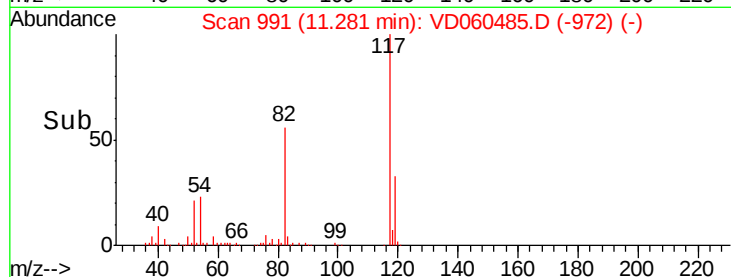
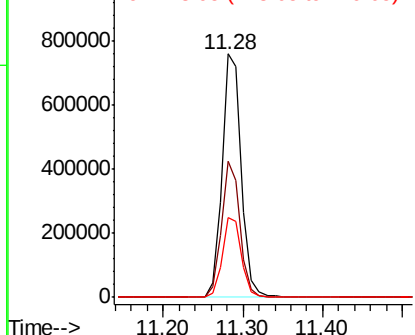
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060485.D
Acq: 4 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
HD-02-120318

Tot Ion:117 Resp: 1288474
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.5 26.1 39.1

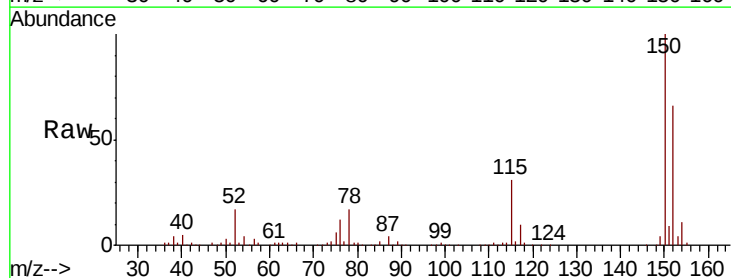


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

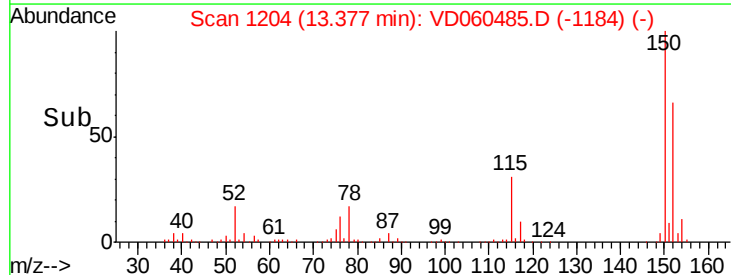
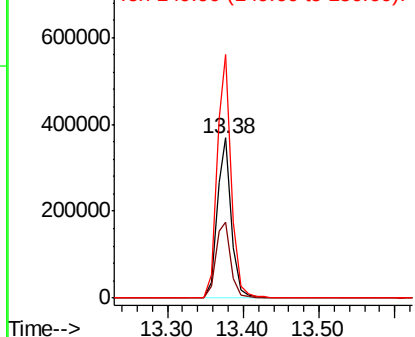


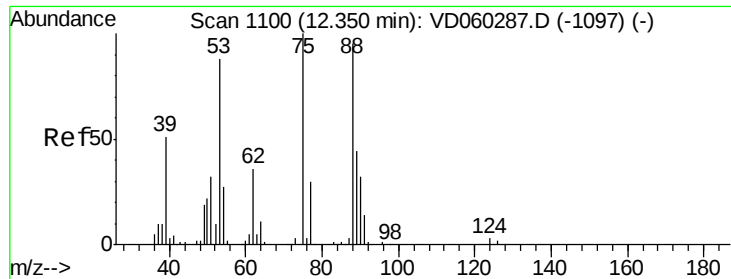
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060485.D
Acq: 4 Dec 2018 14:11

Tgt Ion:152 Resp: 485345
Ion Ratio Lower Upper
152 100
115 47.9 24.1 72.3
150 152.3 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





#81

trans-1,4-Dichloro-2-butene

Concen: 112.422 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060485.D

Acq: 4 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

HD-02-120318

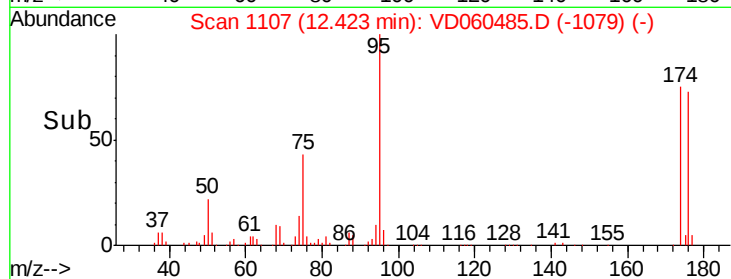
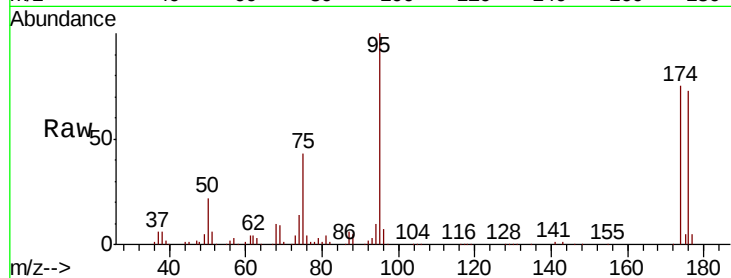
Tot Ion: 75 Resp: 185825

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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

