

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060319.D
 Acq On : 9 Nov 2018 18:30
 Operator : VA/AP
 Sample : J5884-03RE
 Misc : 6.12g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-SRE

Quant Time: Nov 12 01:36:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1192208	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1610746	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1255001	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	550435	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	503232	58.95	ug/l	-0.01
Spiked Amount			Recovery	=	117.90%	
35) Dibromofluoromethane	6.31	113	675601	56.25	ug/l	-0.02
Spiked Amount			Recovery	=	112.50%	
50) Toluene-d8	9.45	98	1835679	52.22	ug/l	-0.01
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.43	95	604079	47.42	ug/l	-0.01
Spiked Amount			Recovery	=	94.84%	

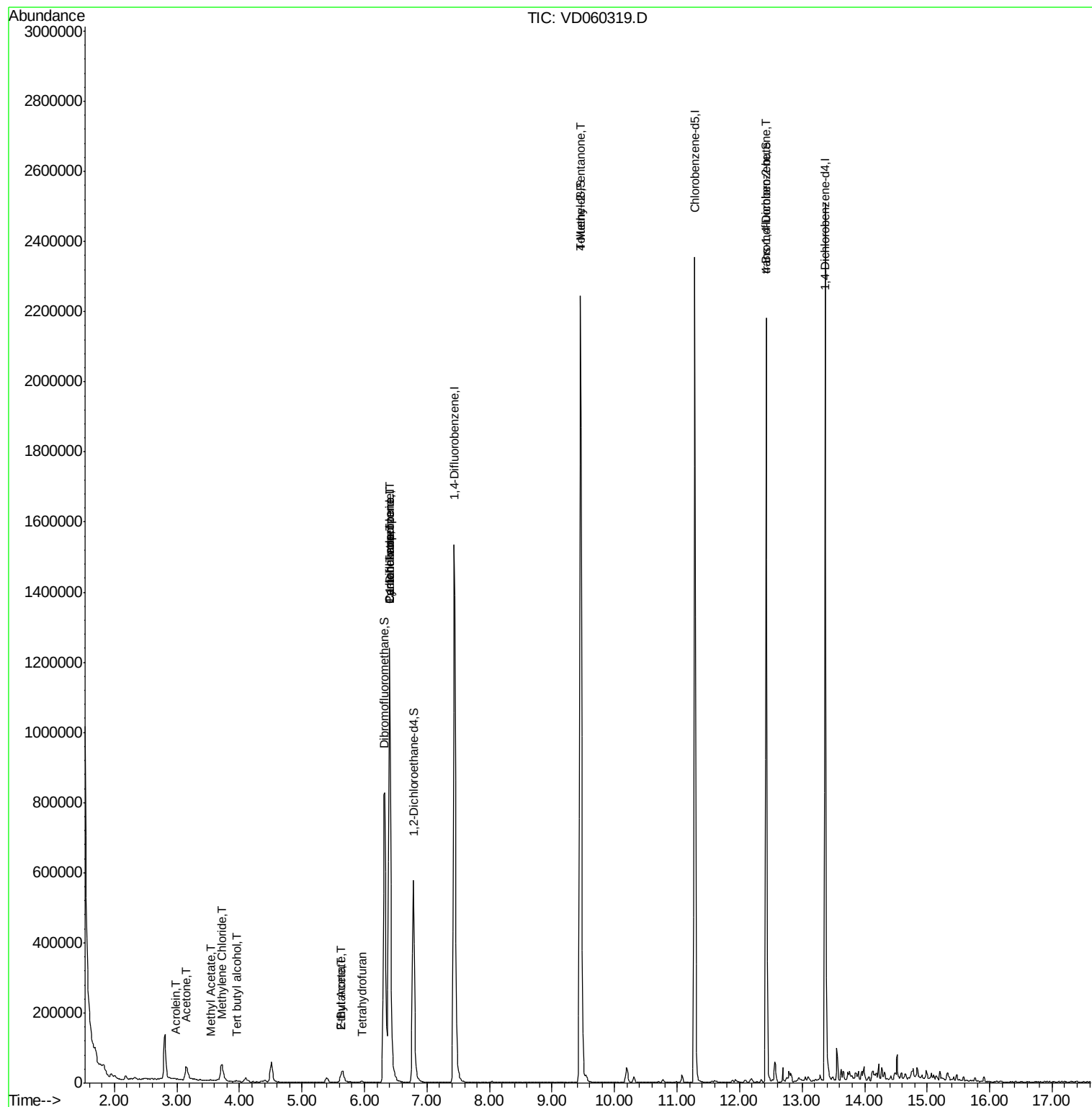
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1491	Below Cal	#	41
11) Tert butyl alcohol	3.94	59	4247	12.116	ug/l #	70
13) Acrolein	2.98	56	729	1.760	ug/l #	14
16) Acetone	3.15	43	90115	60.858	ug/l	99
18) Methyl Acetate	3.56	43	5335	1.690	ug/l #	63
20) Methylene Chloride	3.72	84	20538	1.564	ug/l	97
25) 2-Butanone	5.62	43	26349	8.561	ug/l	99
29) Tetrahydrofuran	5.96	42	2931	1.806	ug/l #	67
31) Cyclohexane	6.40	56	24501	1.202	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	85162	5.352	ug/l #	48
37) Ethyl Acetate	5.62	43	26349	3.598	ug/l #	69
38) Carbon Tetrachloride	6.40	117	87760	5.945	ug/l #	16
51) 4-Methyl-2-Pentanone	9.44	43	9832	1.642	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	252593	134.746	ug/l #	15
89) n-Butylbenzene	13.63	91	3682	Below Cal	#	1

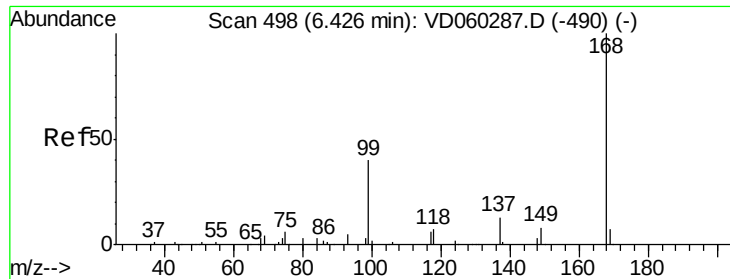
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

Instrument :

MSVOA_D

ClientSampleId :

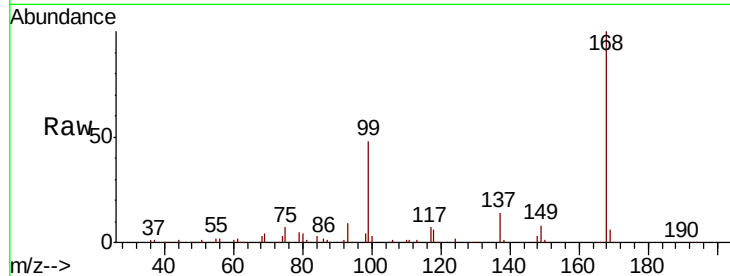
TP-3-SRE

Tgt Ion:168 Resp: 1192208

Ion Ratio Lower Upper

168 100

99 47.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

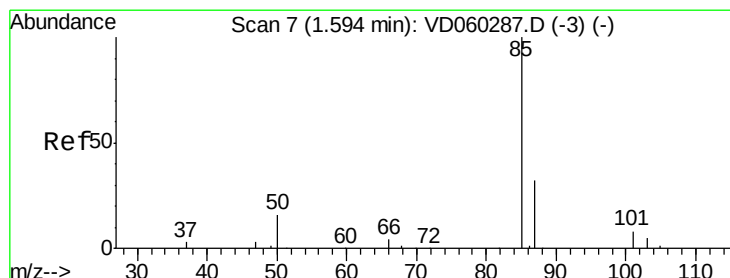
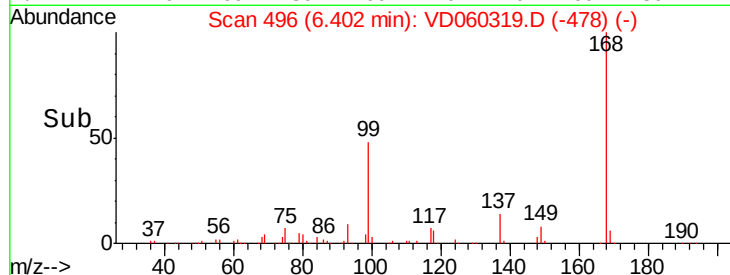
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060319.D

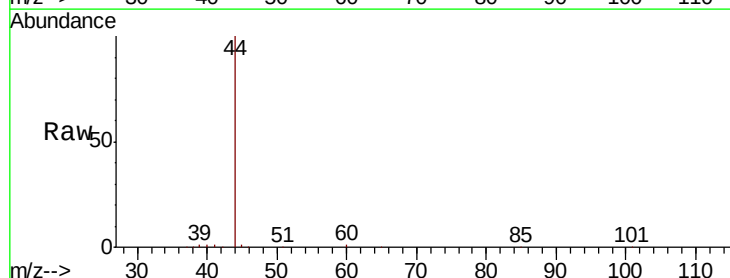
Acq: 9 Nov 2018 18:30

Tgt Ion: 85 Resp: 1491

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

1.58

1000

800

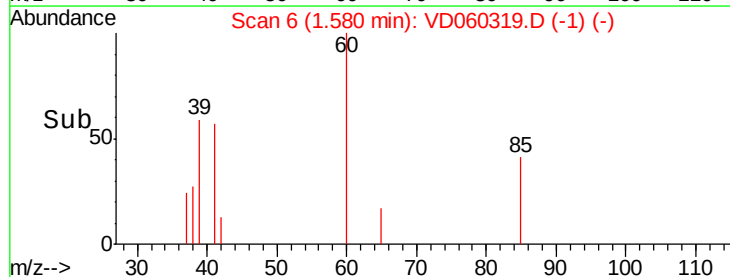
600

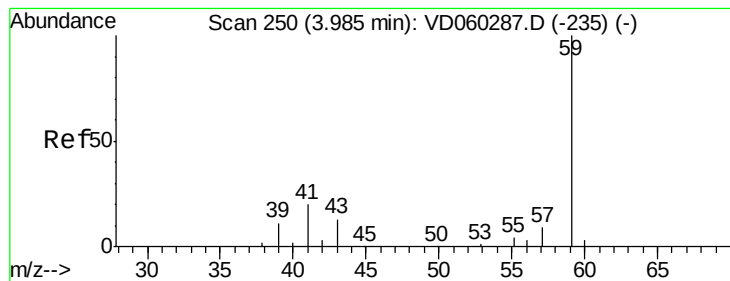
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 12.116 ug/l

RT: 3.94 min Scan# 246

Delta R.T. -0.04 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

Instrument :

MSVOA_D

ClientSampleId :

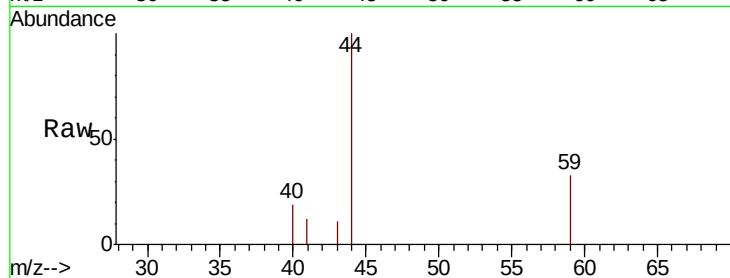
TP-3-SRE

Tgt Ion: 59 Resp: 4247

Ion Ratio Lower Upper

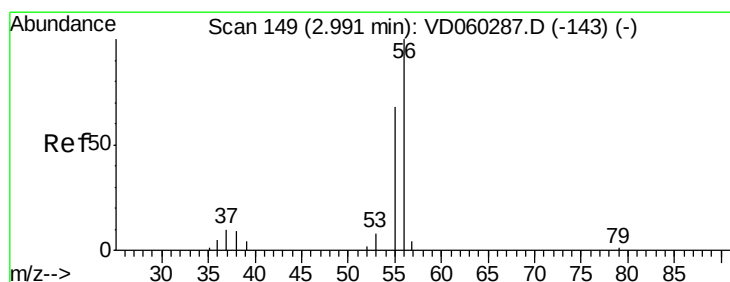
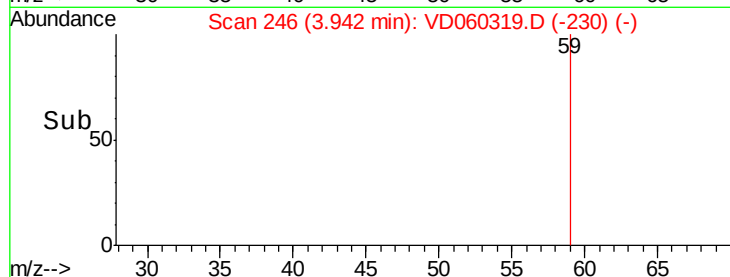
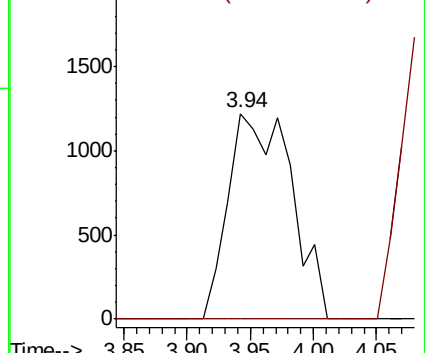
59 100

57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#13

Acrolein

Concen: 1.760 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060319.D

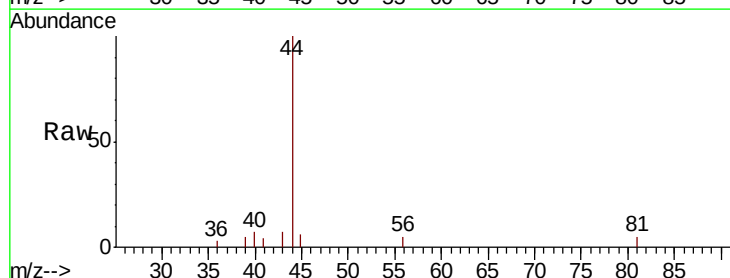
Acq: 9 Nov 2018 18:30

Tgt Ion: 56 Resp: 729

Ion Ratio Lower Upper

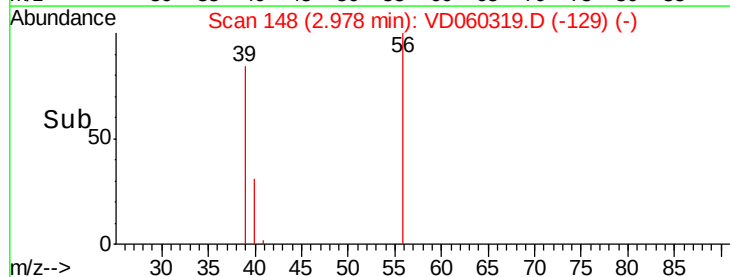
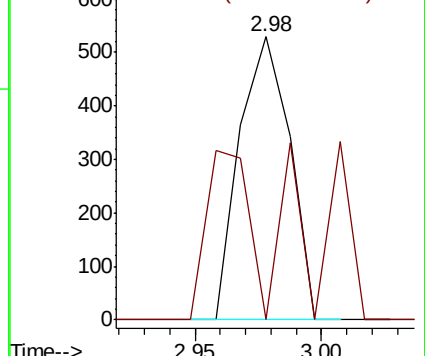
56 100

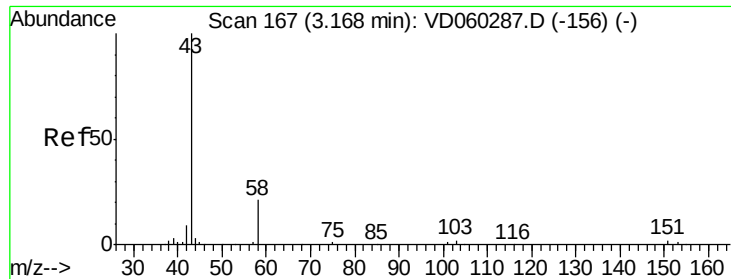
55 0.0 57.0 85.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 60.858 ug/l

RT: 3.15 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

Instrument :

MSVOA_D

ClientSampled :

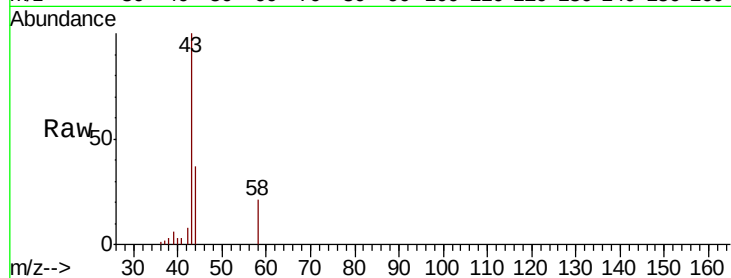
TP-3-SRE

Tgt Ion: 43 Resp: 90115

Ion Ratio Lower Upper

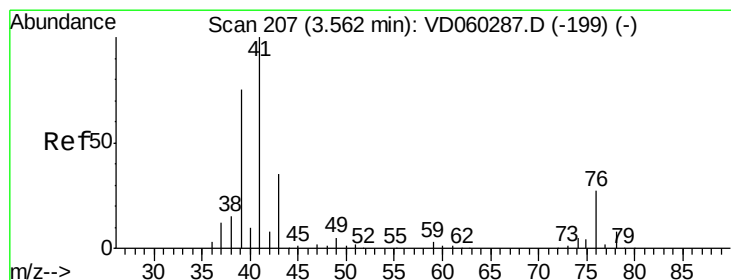
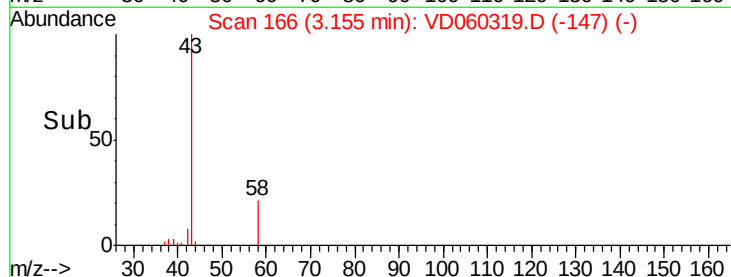
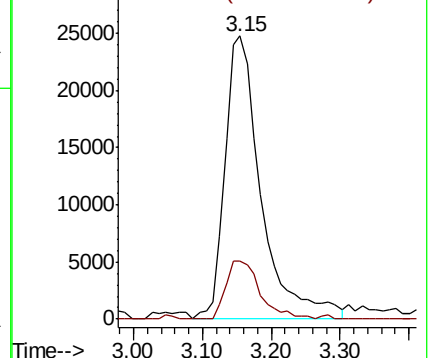
43 100

58 20.7 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: 1.690 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.00 min

Lab File: VD060319.D

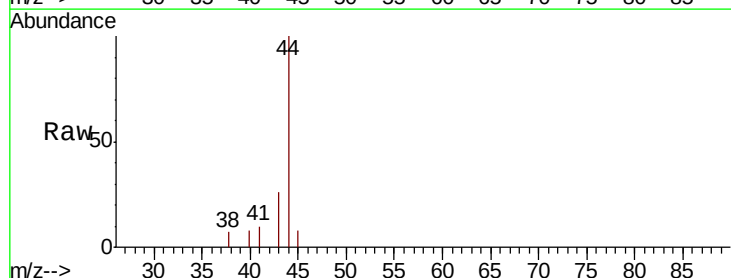
Acq: 9 Nov 2018 18:30

Tgt Ion: 43 Resp: 5335

Ion Ratio Lower Upper

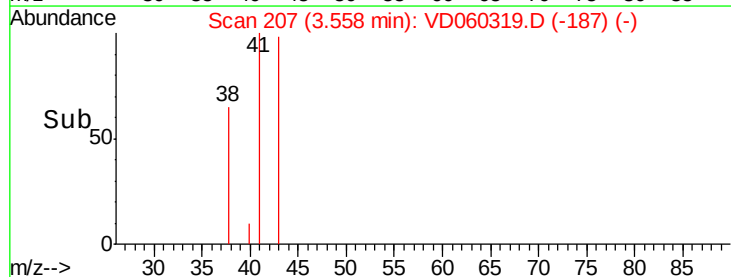
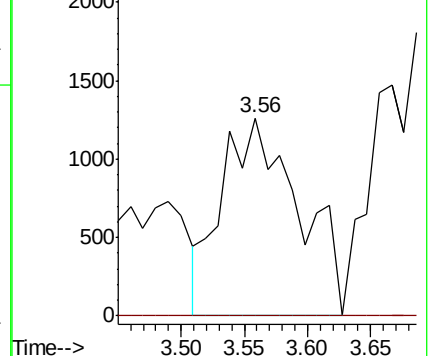
43 100

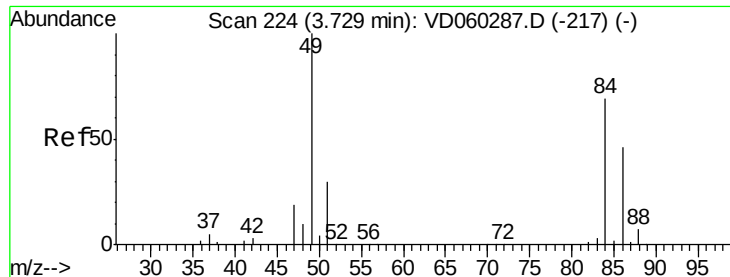
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

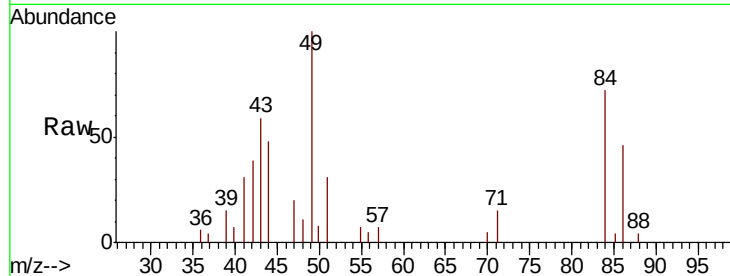




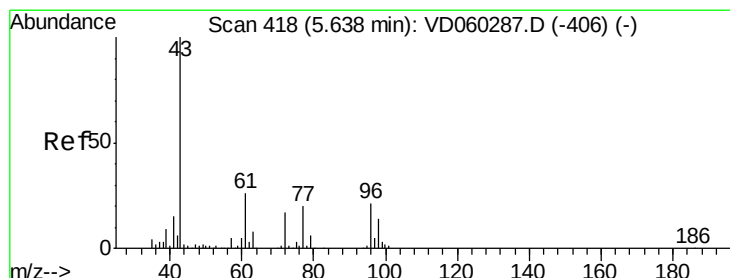
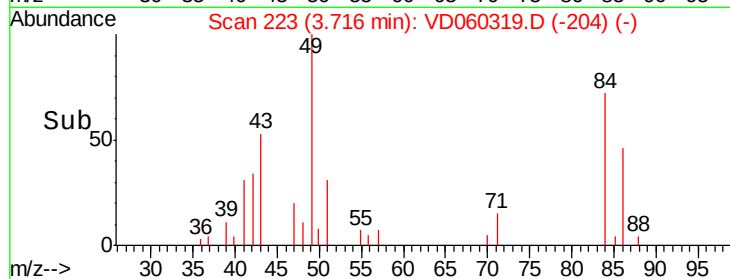
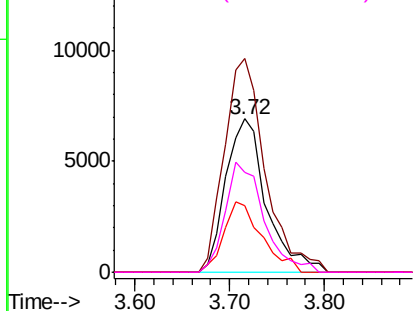
#20
Methylene Chloride
Concen: 1.564 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

Instrument :
MSVOA_D
ClientSampled :
TP-3-SRE

Tgt Ion: 84 Resp: 20538
Ion Ratio Lower Upper
84 100
49 139.5 115.6 173.4
51 43.4 35.6 53.4
86 64.8 52.3 78.5

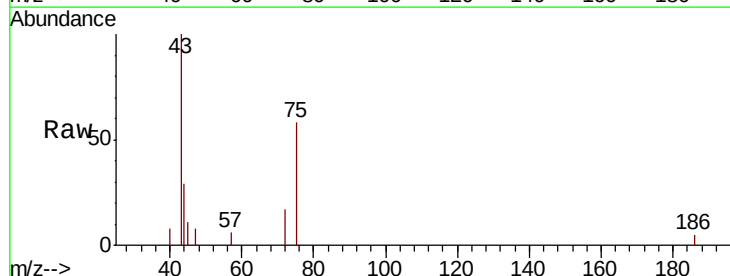


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

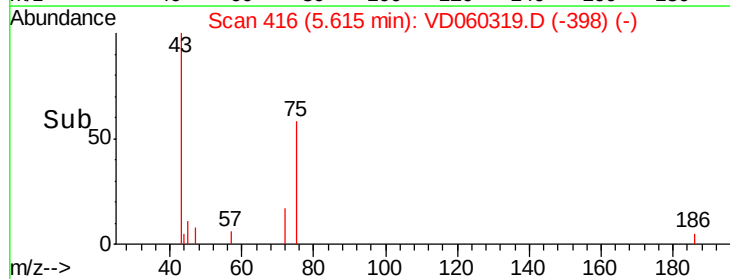
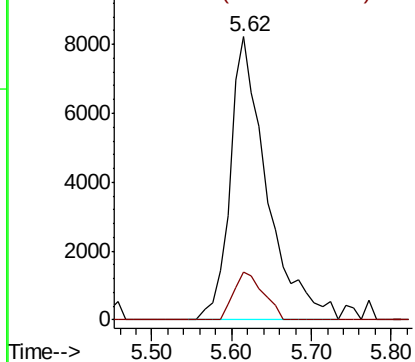


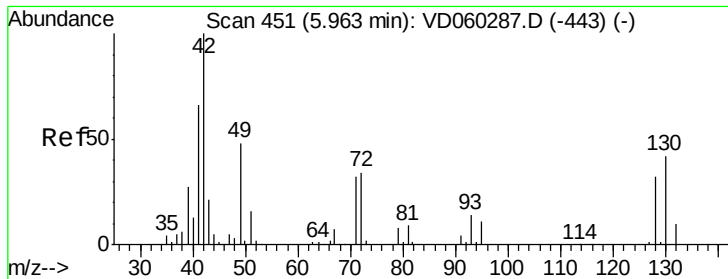
#25
2-Butanone
Concen: 8.561 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.02 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

Tgt Ion: 43 Resp: 26349
Ion Ratio Lower Upper
43 100
72 17.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

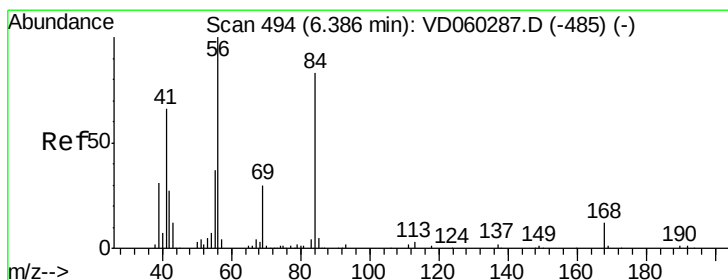
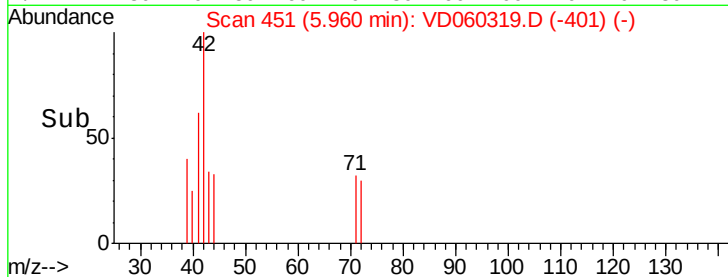
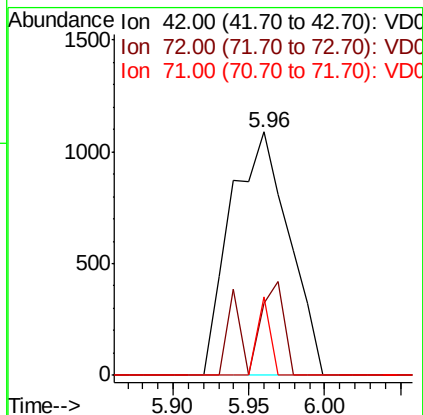
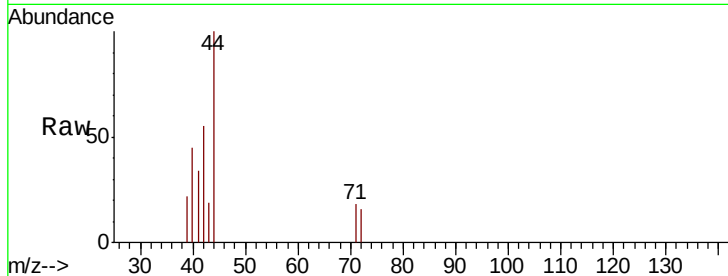




#29
Tetrahydrofuran
Concen: 1.806 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

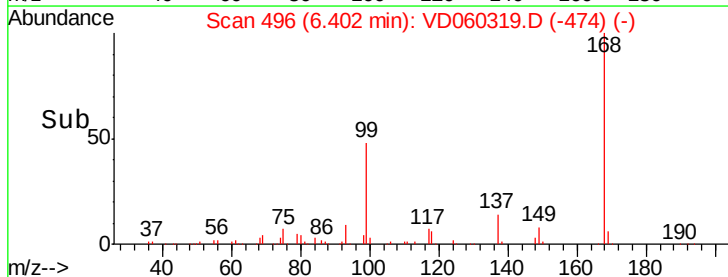
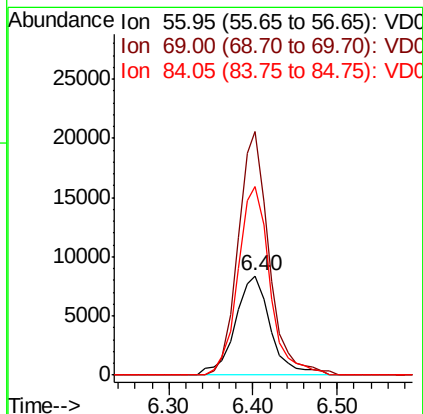
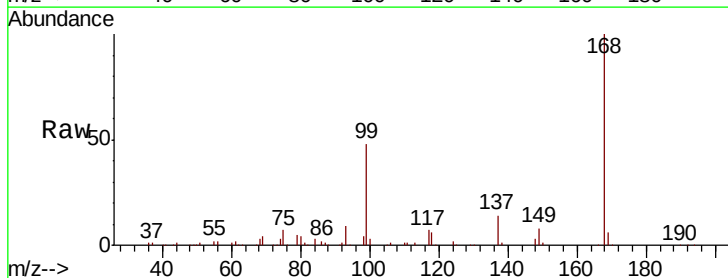
Instrument :
MSVOA_D
ClientSampled :
TP-3-SRE

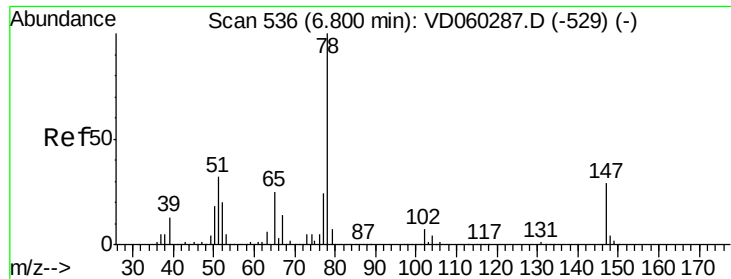
Tgt Ion: 42 Resp: 2931
Ion Ratio Lower Upper
42 100
72 22.7 27.6 41.4#
71 7.0 26.5 39.7#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

Tgt Ion: 56 Resp: 24501
Ion Ratio Lower Upper
56 100
69 246.1 22.2 33.2#
84 190.6 63.0 94.4#

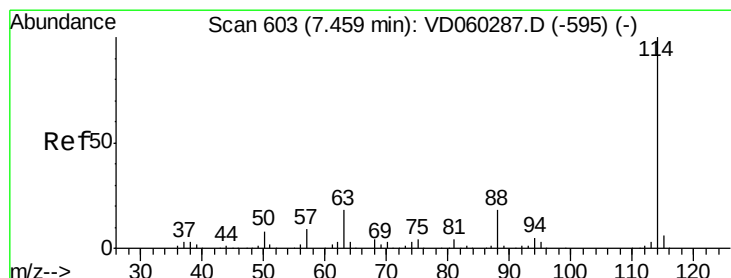
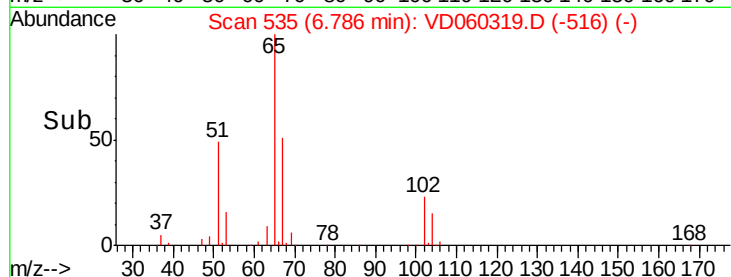
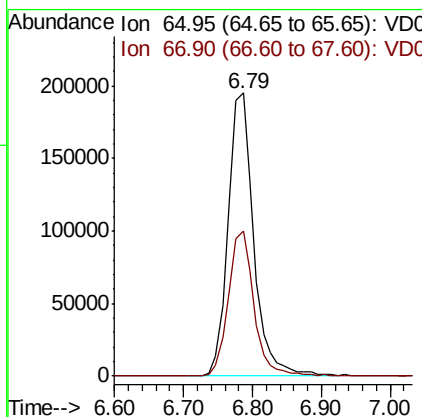
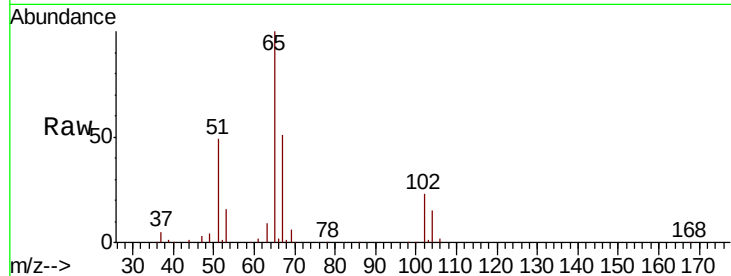




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060319.D
 Acq: 9 Nov 2018 18:30

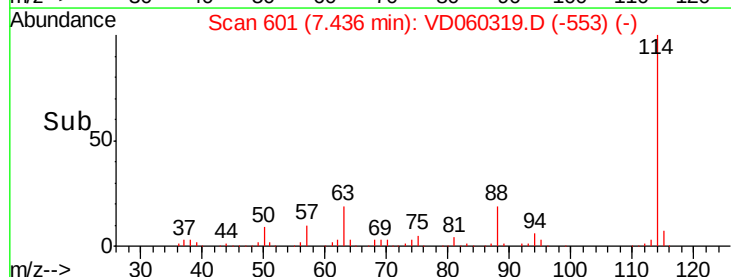
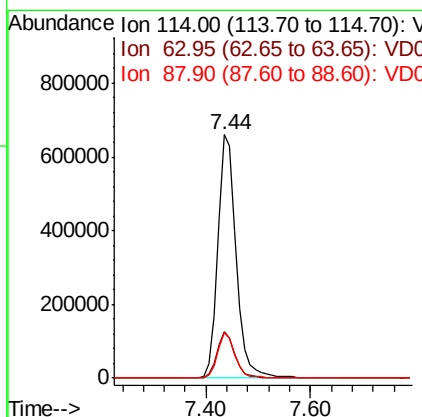
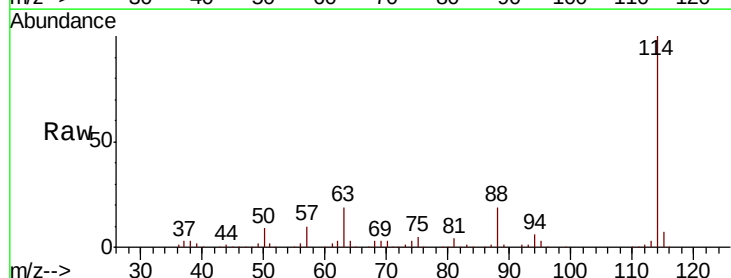
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-SRE

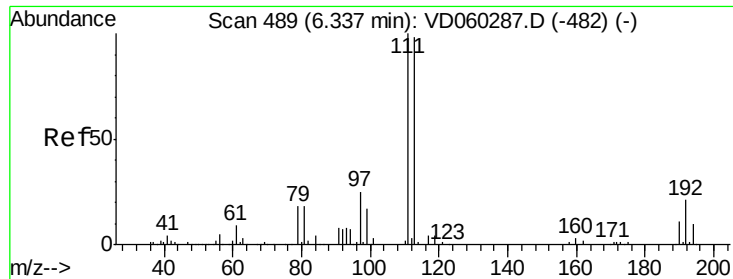
Tgt Ion: 65 Resp: 503232
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060319.D
 Acq: 9 Nov 2018 18:30

Tgt Ion: 114 Resp: 1610746
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 34.0
 88 18.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

Instrument :

MSVOA_D

ClientSampleId :

TP-3-SRE

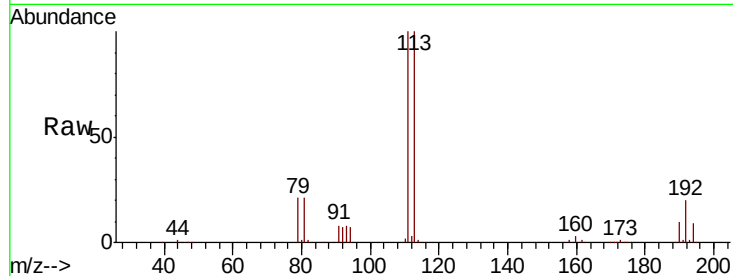
Tgt Ion:113 Resp: 675601

Ion Ratio Lower Upper

113 100

111 100.3 81.6 122.4

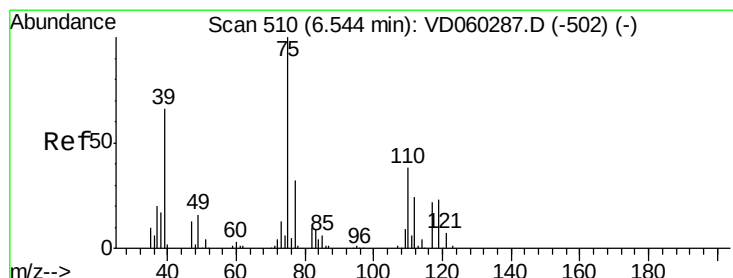
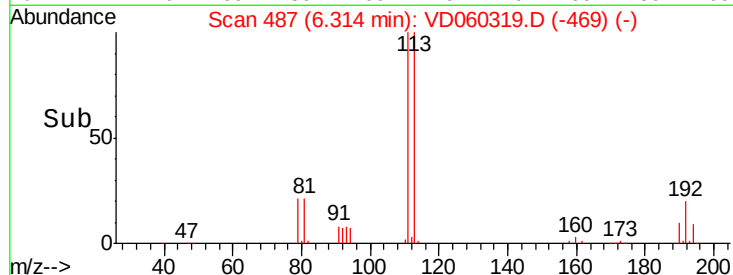
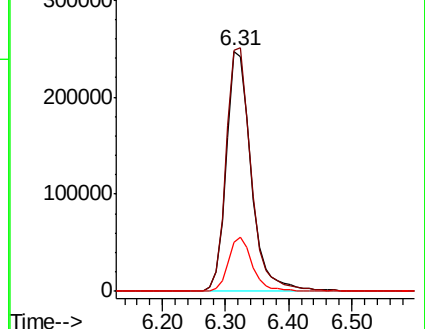
192 20.2 16.5 24.7



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: 5.352 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.14 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

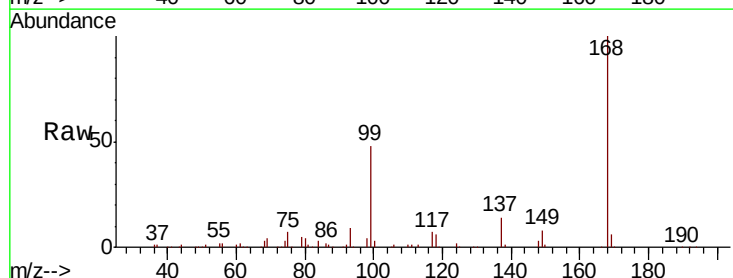
Tgt Ion: 75 Resp: 85162

Ion Ratio Lower Upper

75 100

110 7.8 18.0 54.0#

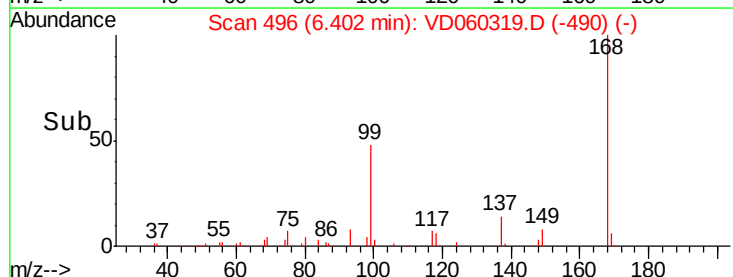
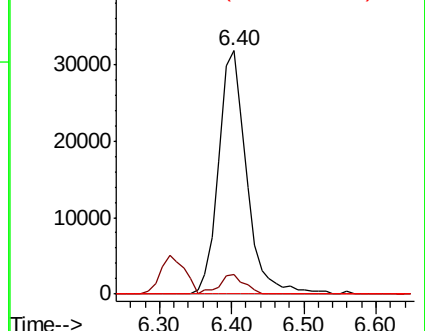
77 0.0 25.6 38.4#

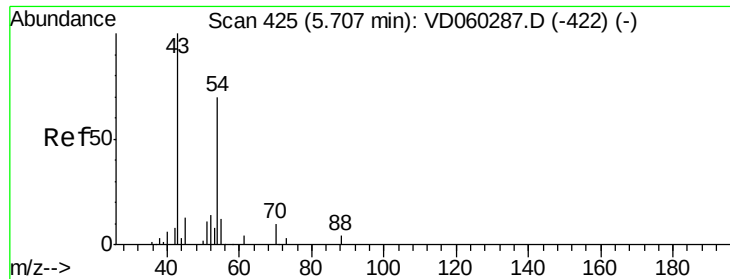


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 3.598 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.09 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

Instrument :

MSVOA_D

ClientSampleId :

TP-3-SRE

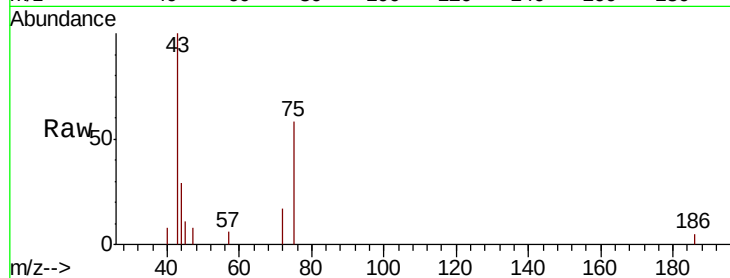
Tgt Ion: 43 Resp: 26349

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

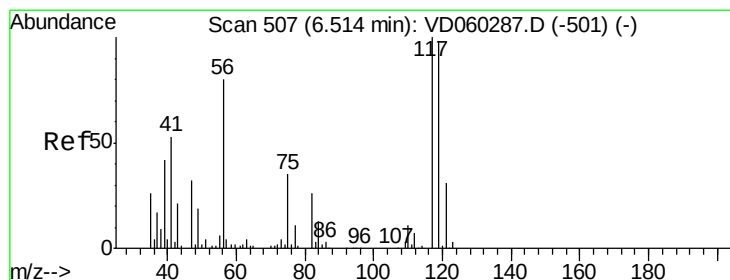
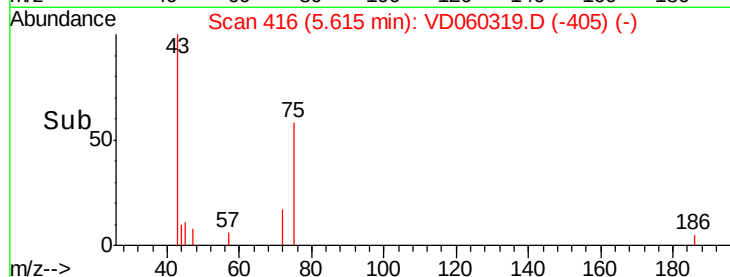
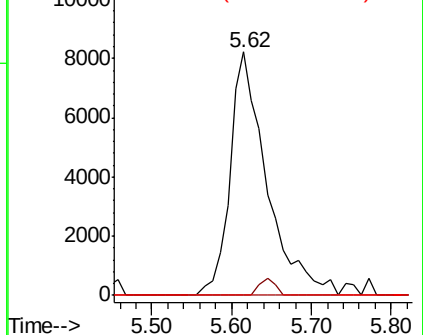
70 0.0 6.2 9.4#



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: 5.945 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.11 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

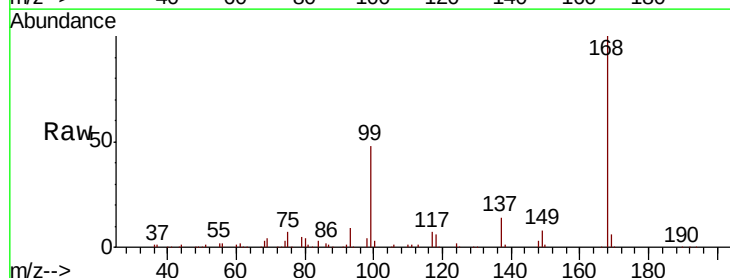
Tgt Ion: 117 Resp: 87760

Ion Ratio Lower Upper

117 100

119 5.3 76.6 115.0#

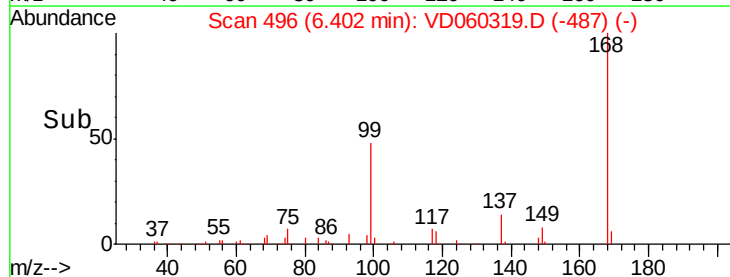
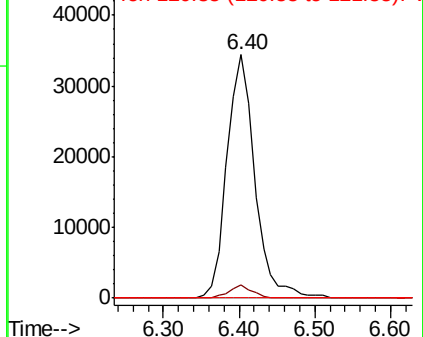
121 0.0 24.3 36.5#

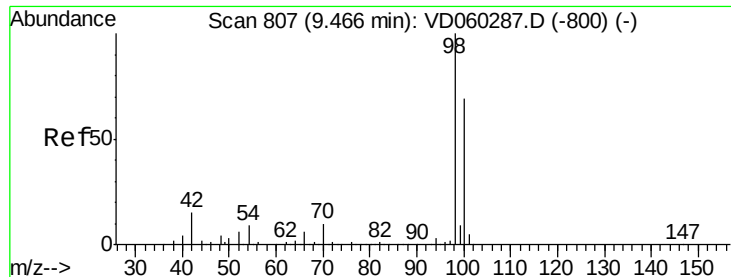


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

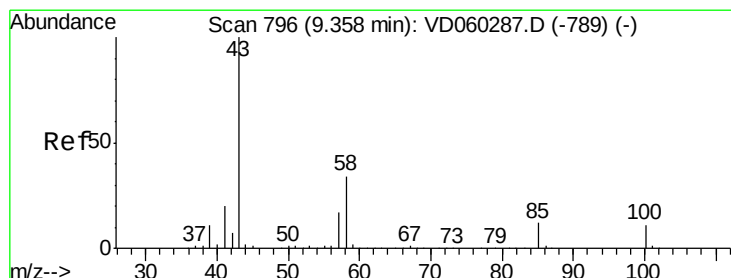
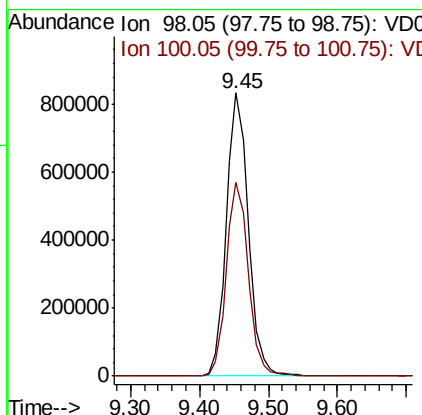
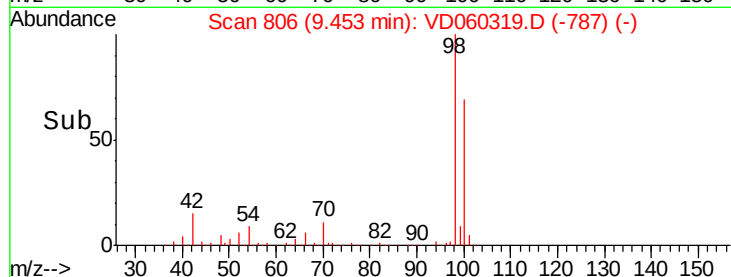
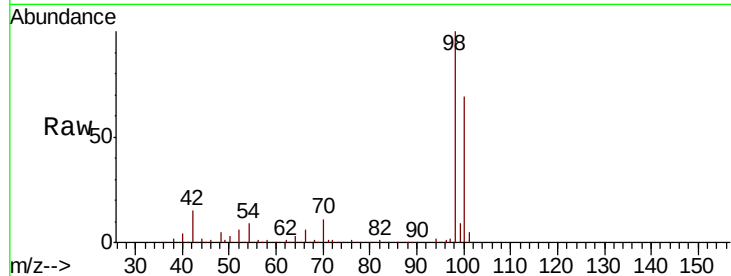




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

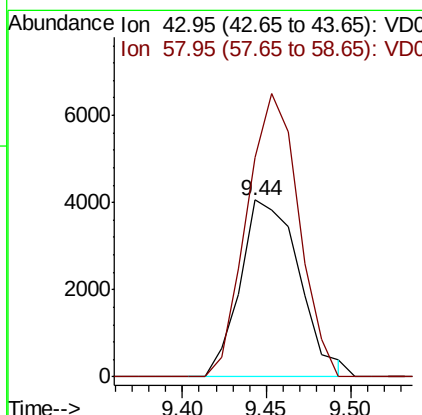
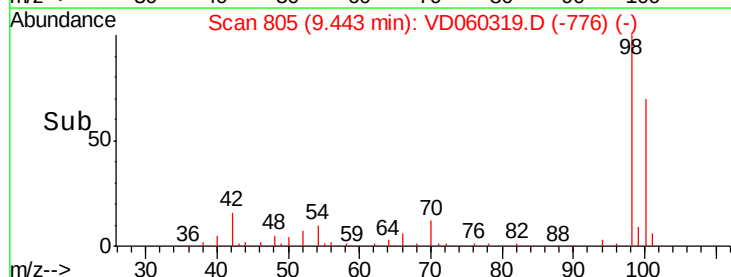
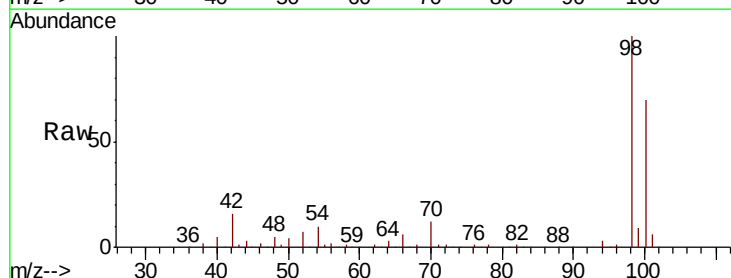
Instrument :
MSVOA_D
ClientSampleId :
TP-3-SRE

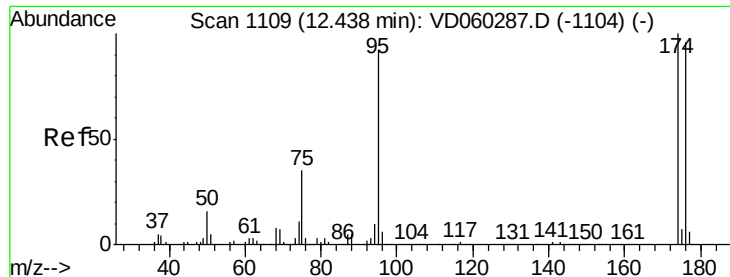
Tgt Ion: 98 Resp: 1835679
Ion Ratio Lower Upper
98 100
100 68.5 55.2 82.8



#51
4-Methyl-2-Pentanone
Concen: 1.642 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.09 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

Tgt Ion: 43 Resp: 9832
Ion Ratio Lower Upper
43 100
58 123.7 26.1 39.1#

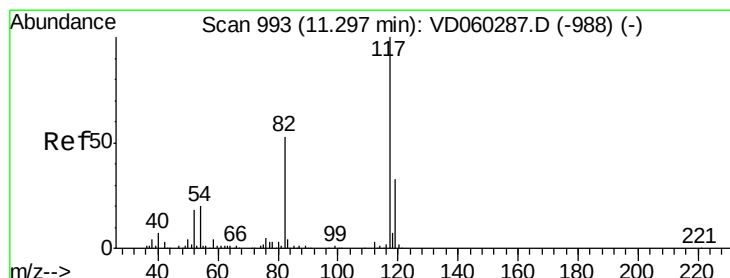
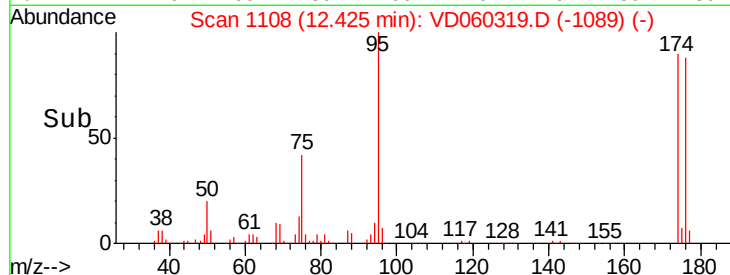
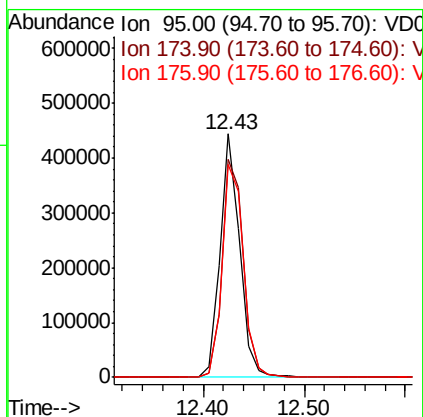
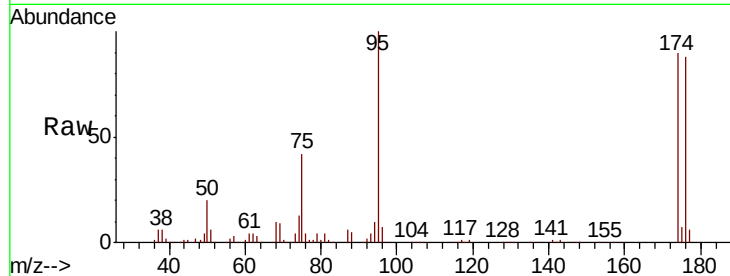




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

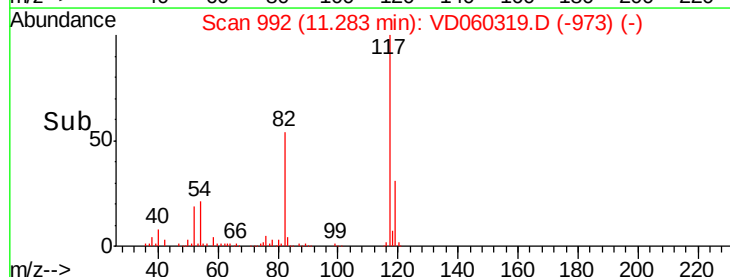
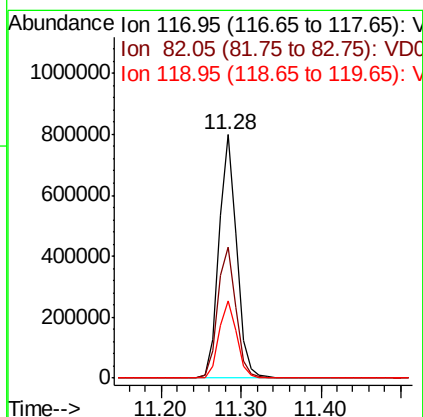
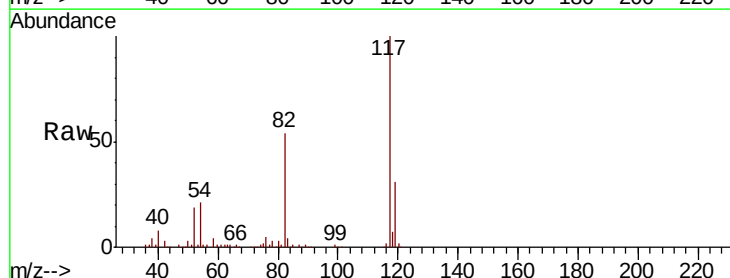
Instrument :
MSVOA_D
ClientSampleId :
TP-3-SRE

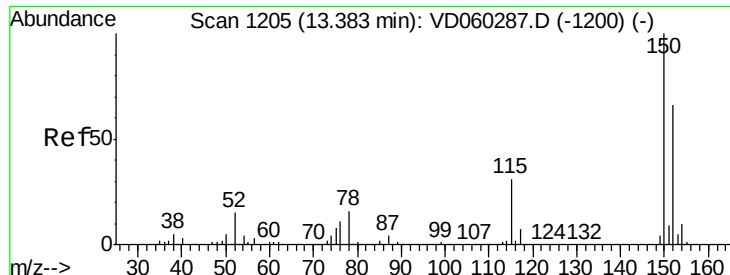
Tgt Ion: 95 Resp: 604079
Ion Ratio Lower Upper
95 100
174 89.6 0.0 160.8
176 87.5 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060319.D
Acq: 9 Nov 2018 18:30

Tgt Ion: 117 Resp: 1255001
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 31.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

Instrument :

MSVOA_D

ClientSampleId :

TP-3-SRE

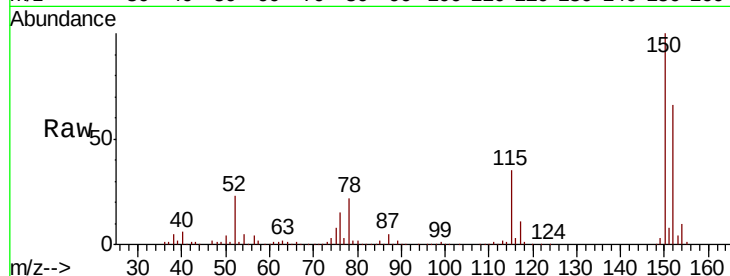
Tgt Ion:152 Resp: 550435

Ion Ratio Lower Upper

152 100

115 53.3 24.1 72.3

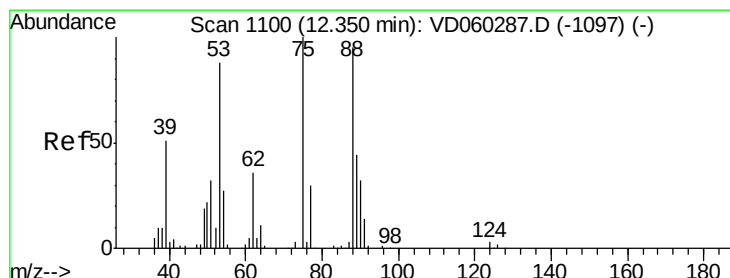
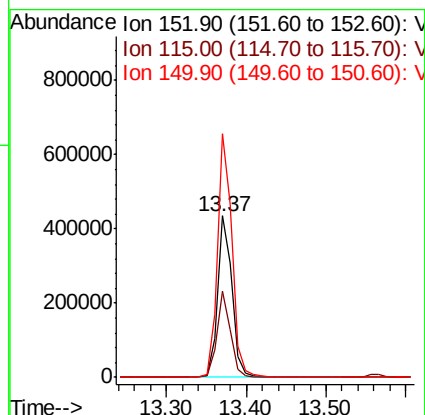
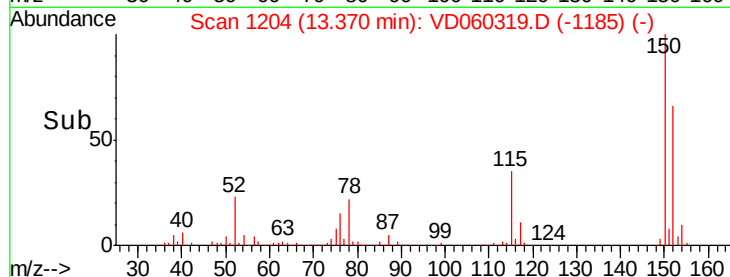
150 151.1 0.0 310.6



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: 134.746 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060319.D

Acq: 9 Nov 2018 18:30

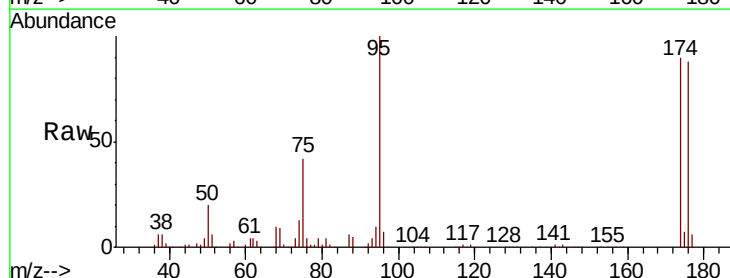
Tgt Ion: 75 Resp: 252593

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

