

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062735.D
 Acq On : 17 Jun 2019 19:06
 Operator : VA/AP
 Sample : K3154-13
 Misc : 6.50u/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-G

Quant Time: Jun 18 06:25:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	563995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	816554	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	700775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	367070	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	279418	34.33	ug/l	0.00
Spiked Amount			Recovery	=	68.66%	
35) Dibromofluoromethane	6.92	113	289952	33.67	ug/l	0.00
Spiked Amount			Recovery	=	67.34%	
50) Toluene-d8	10.40	98	527949	29.14	ug/l	0.00
Spiked Amount			Recovery	=	58.28%	
62) 4-Bromofluorobenzene	13.55	95	253912	30.04	ug/l	0.00
Spiked Amount			Recovery	=	60.08%	

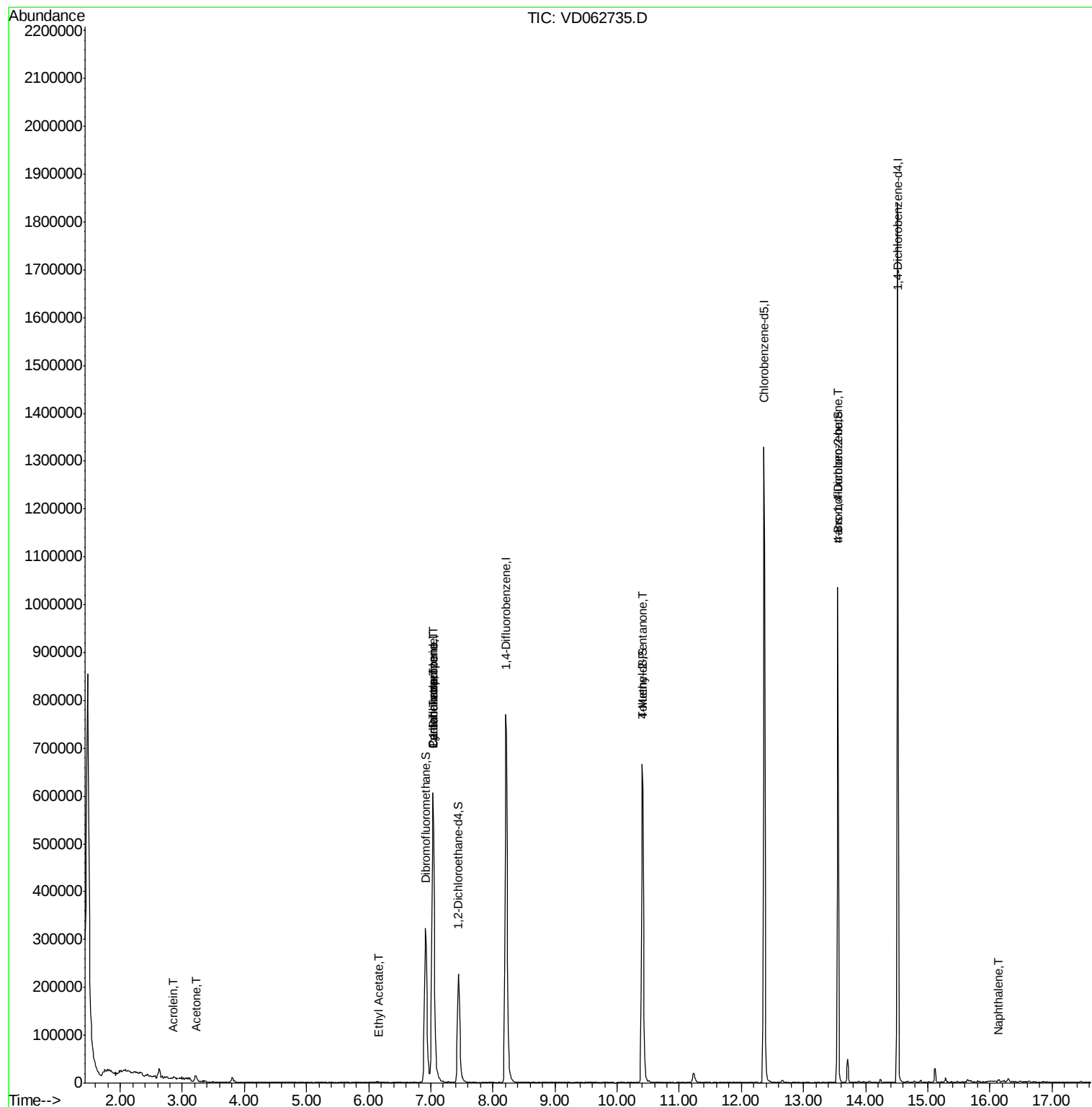
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	186	Below Cal	#	42
13) Acrolein	2.86	56	184	1.710	ug/l #	12
16) Acetone	3.21	43	27407	18.391	ug/l	99
31) Cyclohexane	7.03	56	12663	1.972	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	49240	5.269	ug/l #	52
37) Ethyl Acetate	6.17	43	540	1.333	ug/l #	74
38) Carbon Tetrachloride	7.04	117	61928	4.192	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	4071	1.180	ug/l #	7
81) trans-1,4-Dichloro-2-buten	13.55	75	130640	85.510	ug/l #	1
95) Naphthalene	16.12	128	2529	3.626	ug/l #	59

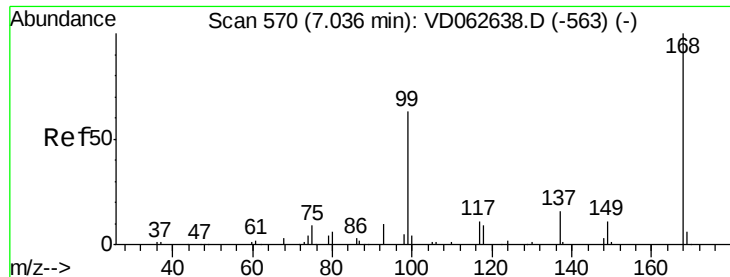
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
Data File : VD062735.D
Acq On : 17 Jun 2019 19:06
Operator : VA/AP
Sample : K3154-13
Misc : 6.50g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JC-02-061419-G

Quant Time: Jun 18 06:25:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062735.D

Acq: 17 Jun 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

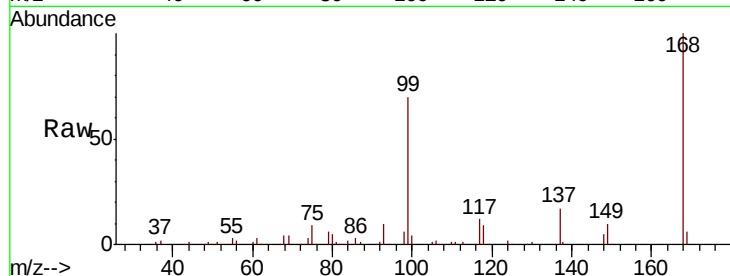
JC-02-061419-G

Tot Ion:168 Resp: 563995

Ion Ratio Lower Upper

168 100

99 70.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

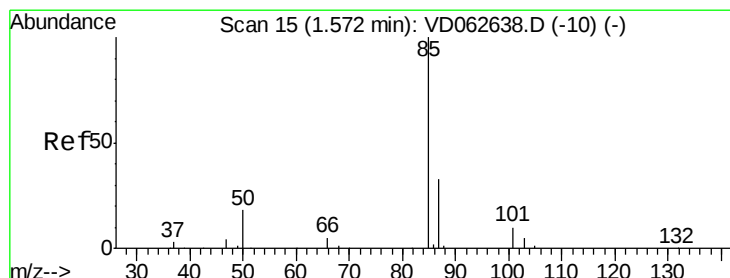
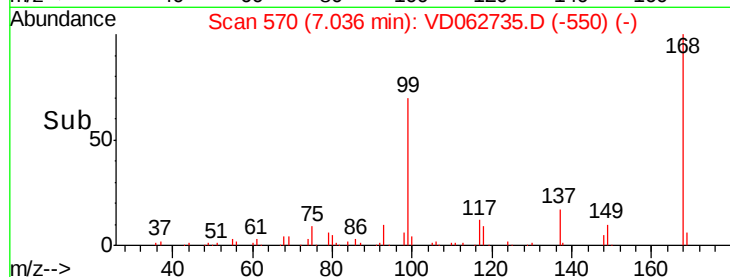
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062735.D

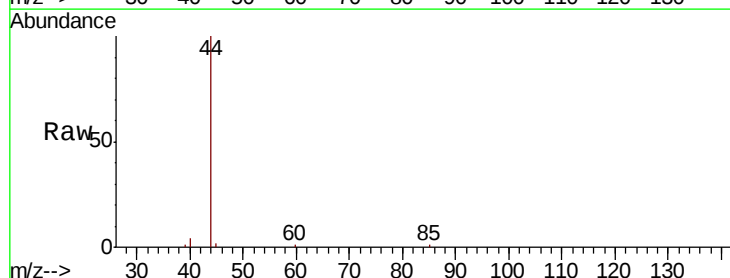
Acq: 17 Jun 2019 19:06

Tgt Ion: 85 Resp: 186

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

300

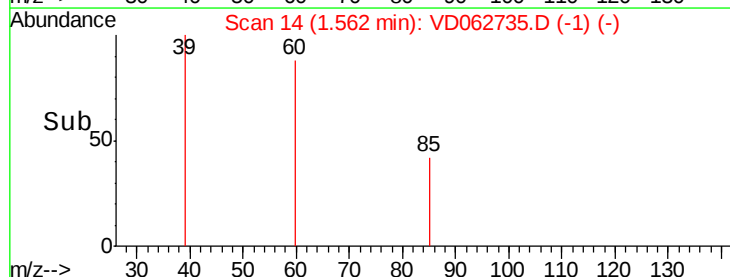
200

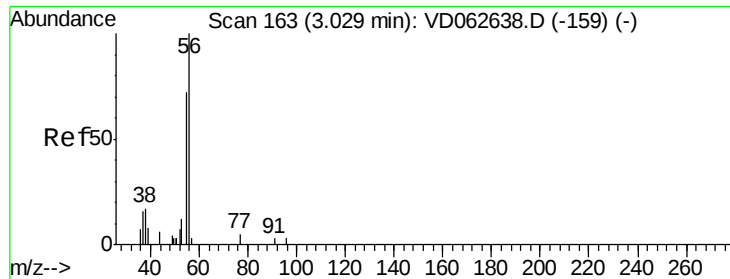
100

0

1.54 1.56 1.58

Time-->





#13

Acrolein

Concen: 1.710 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.17 min

Lab File: VD062735.D

Acq: 17 Jun 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

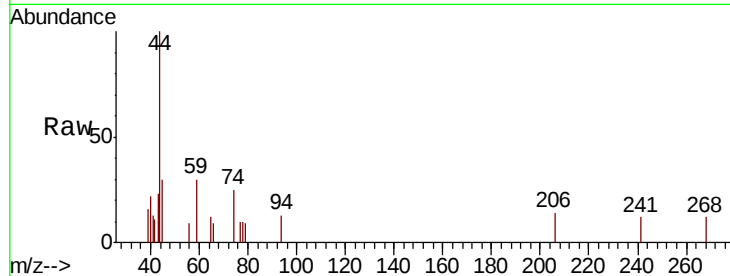
JC-02-061419-G

Tot Ion: 56 Resp: 184

Ion Ratio Lower Upper

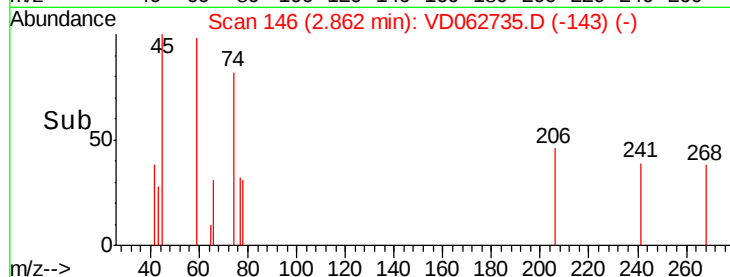
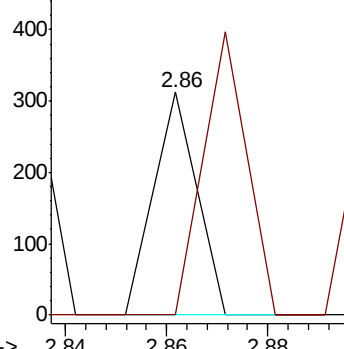
56 100

55 0.0 59.4 89.0#

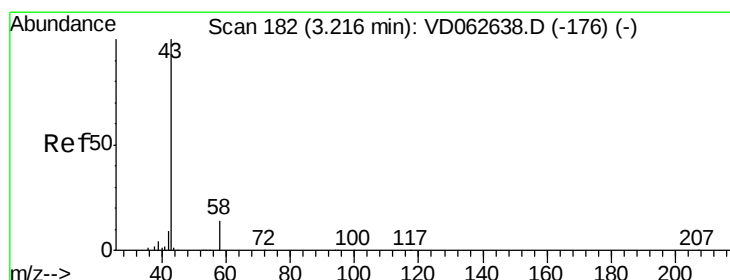


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#16

Acetone

Concen: 18.391 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062735.D

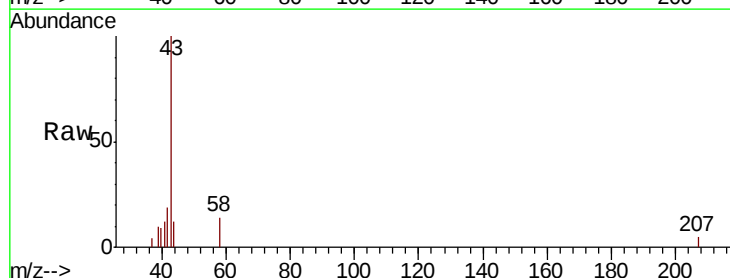
Acq: 17 Jun 2019 19:06

Tgt Ion: 43 Resp: 27407

Ion Ratio Lower Upper

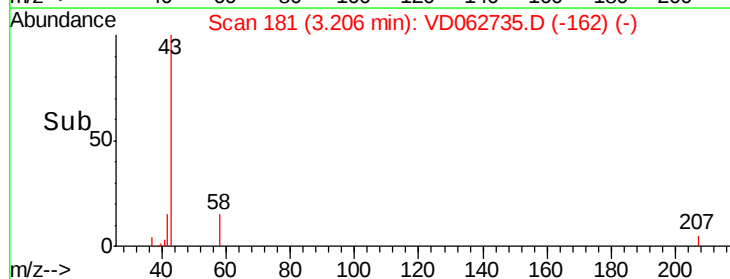
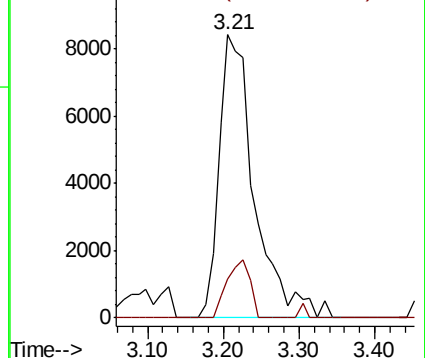
43 100

58 13.8 10.8 16.2

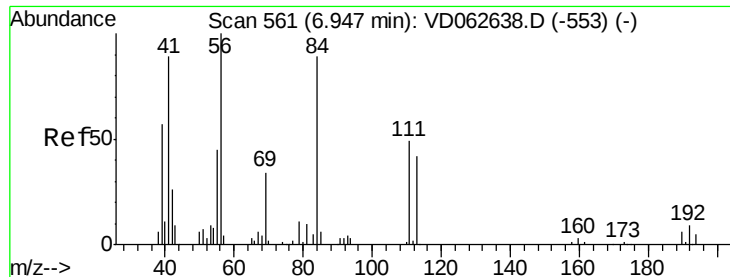


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



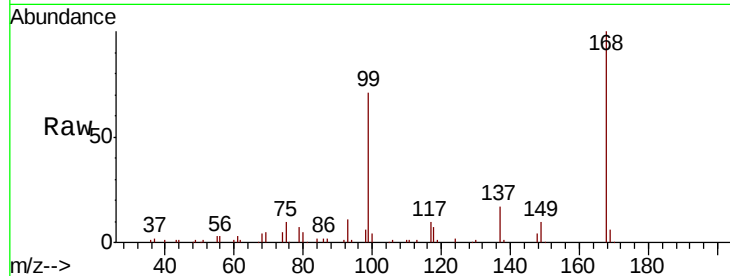
Time-->



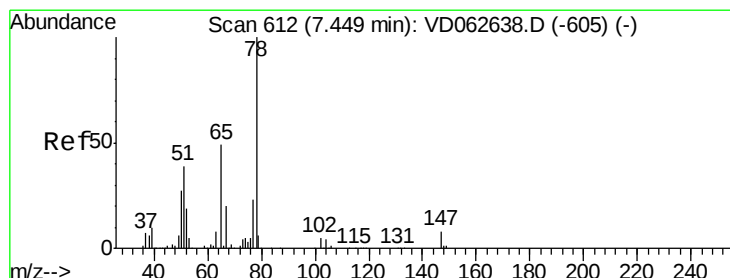
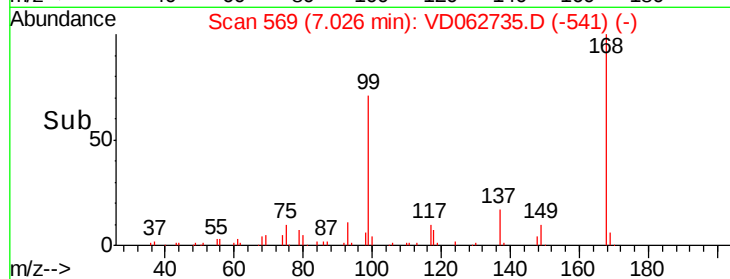
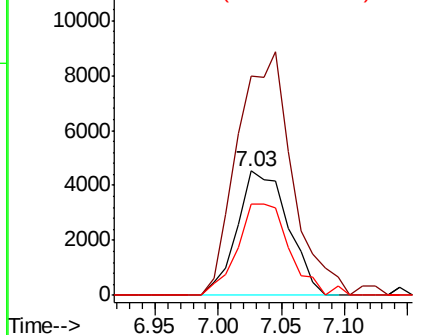
#31
Cyclohexane
Concen: 1.972 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-G

Tot Ion: 56 Resp: 12663
Ion Ratio Lower Upper
56 100
69 176.6 26.8 40.2#
84 73.8 73.9 110.9#

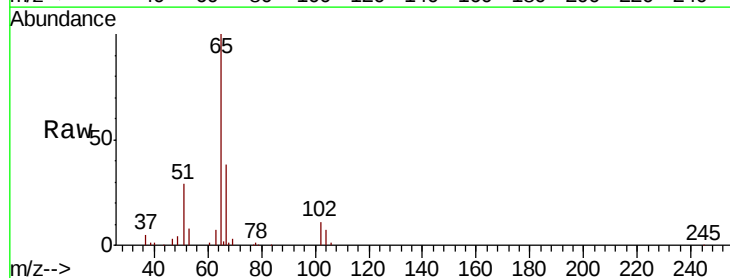


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

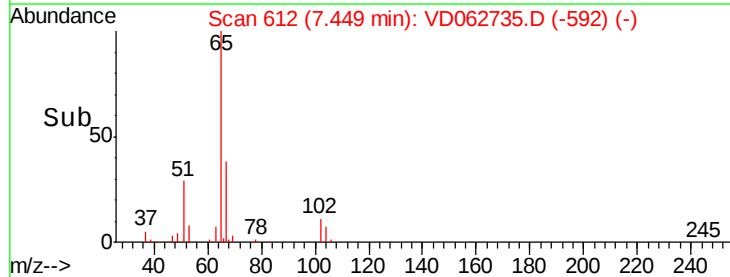
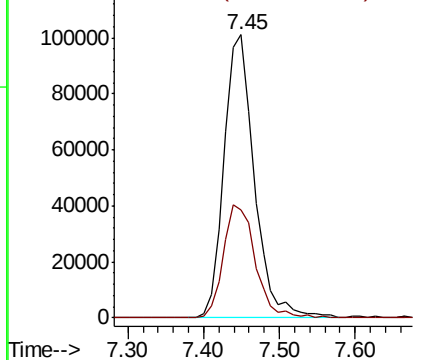


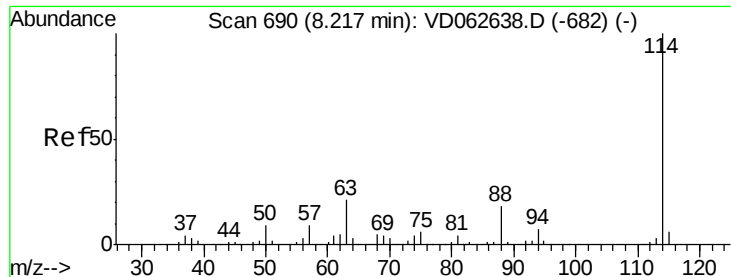
#33
1,2-Dichloroethane-d4
Concen: 34.333 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

Tgt Ion: 65 Resp: 279418
Ion Ratio Lower Upper
65 100
67 38.0 0.0 81.8



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

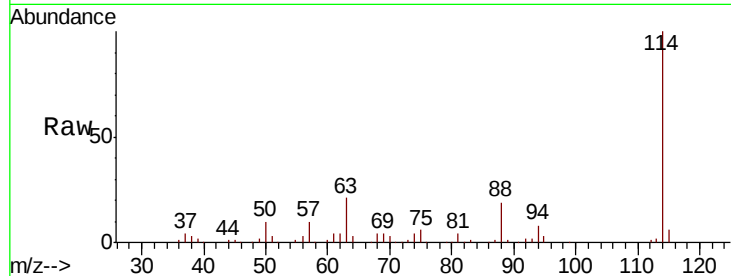




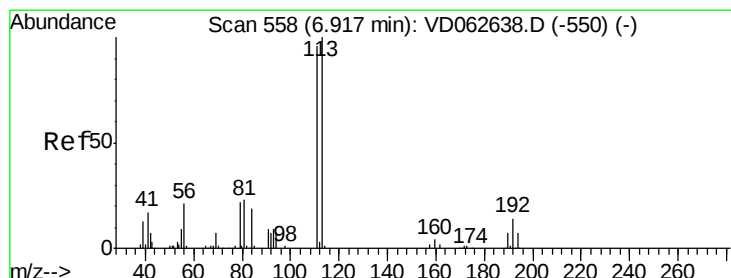
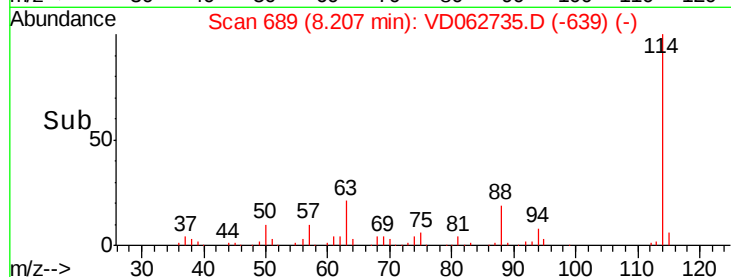
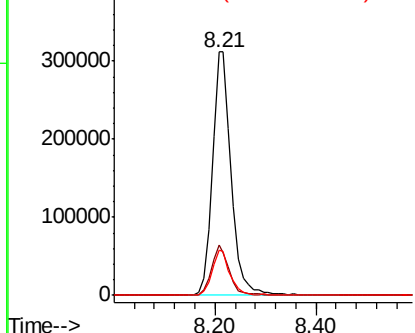
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062735.D
 Acq: 17 Jun 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-G

Tot Ion:114 Resp: 816554
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 18.7 0.0 36.8

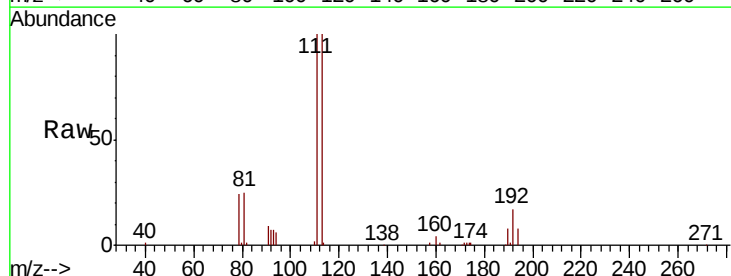


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

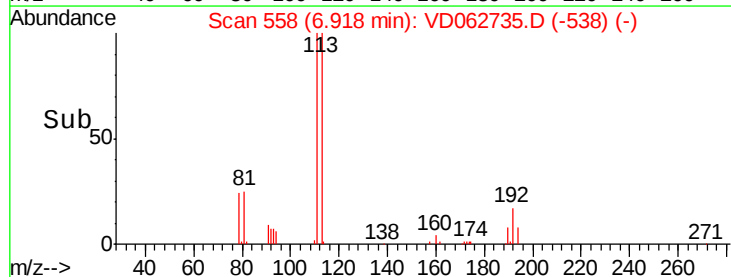
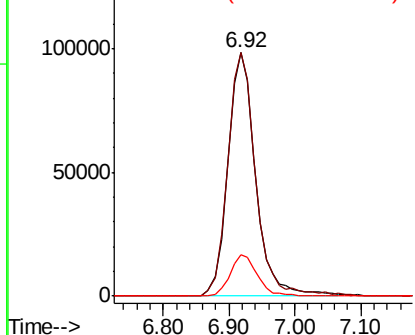


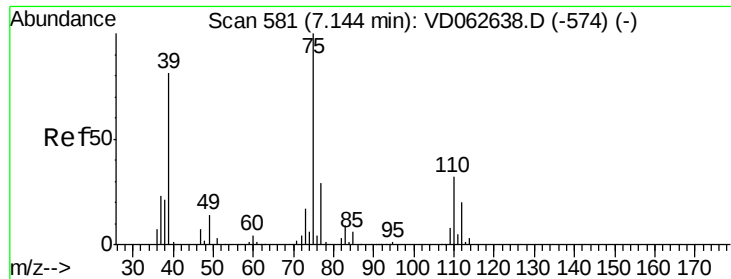
#35
 Dibromofluoromethane
 Concen: 33.670 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD062735.D
 Acq: 17 Jun 2019 19:06

Tgt Ion:113 Resp: 289952
 Ion Ratio Lower Upper
 113 100
 111 99.9 76.4 114.6
 192 17.0 11.4 17.0



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

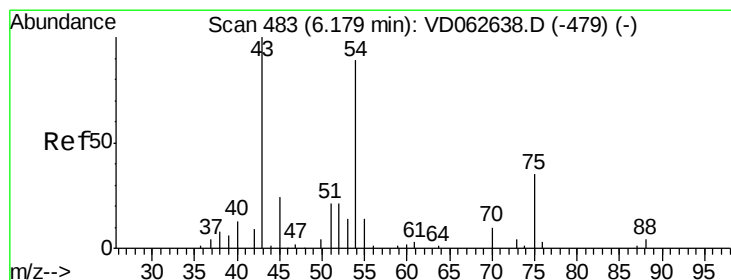
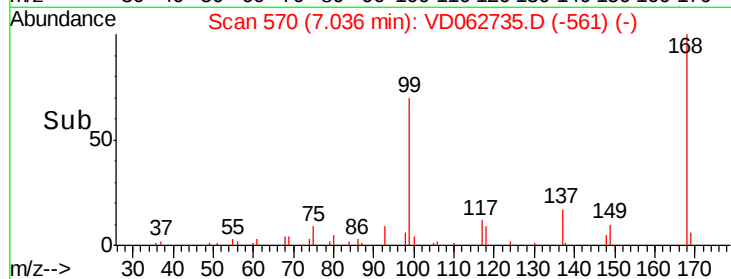
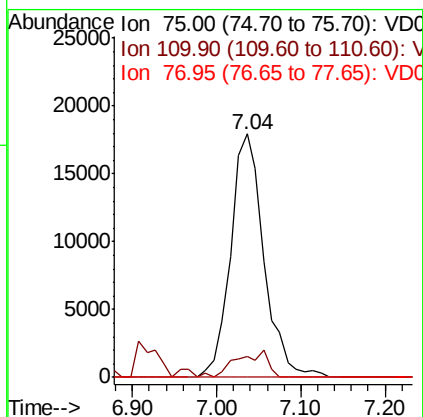
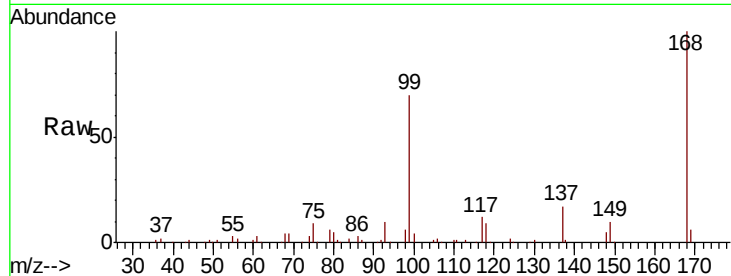




#36
 1,1-Dichloropropene
 Concen: 5.269 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062735.D
 Acq: 17 Jun 2019 19:06

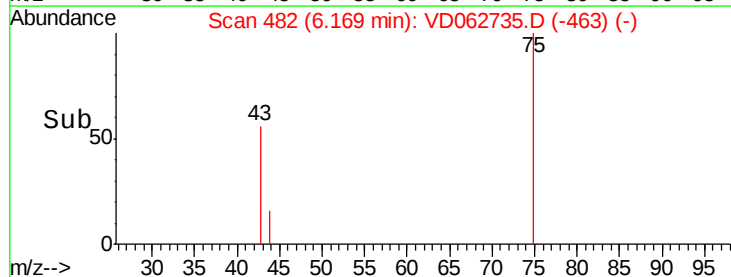
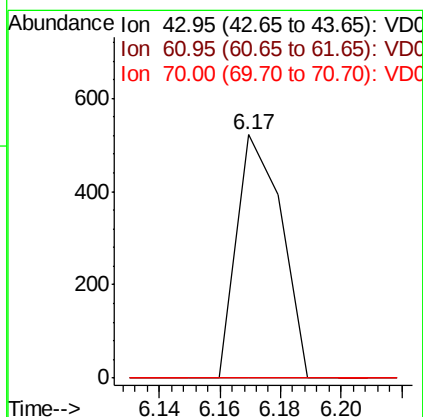
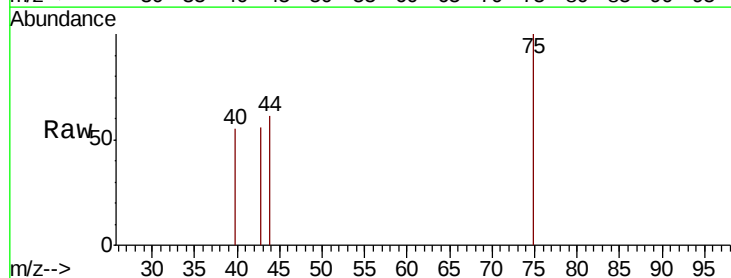
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-061419-G

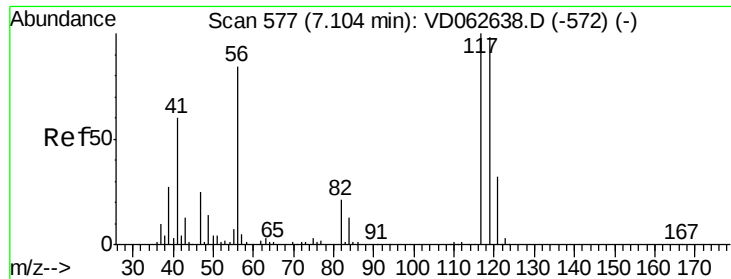
Tot Ion: 75 Resp: 49240
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.9 47.7#
 77 0.0 23.3 34.9#



#37
 Ethyl Acetate
 Concen: 1.333 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VD062735.D
 Acq: 17 Jun 2019 19:06

Tgt Ion: 43 Resp: 540
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.7 13.1#
 70 0.0 6.5 9.7#

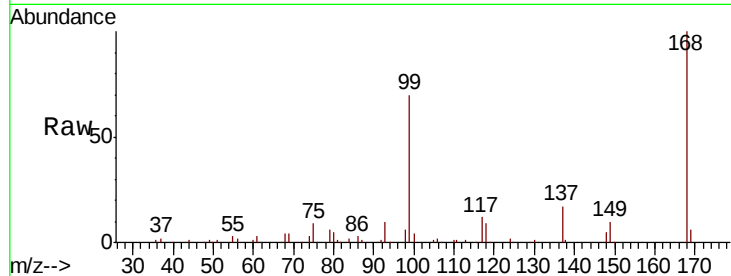




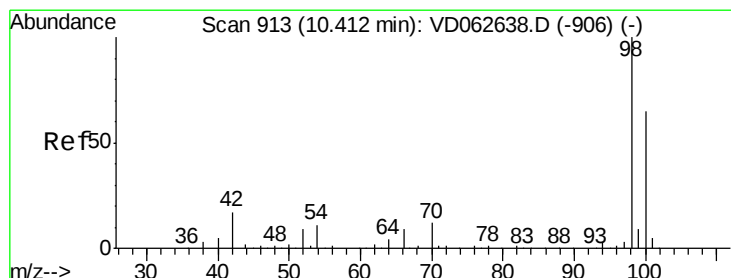
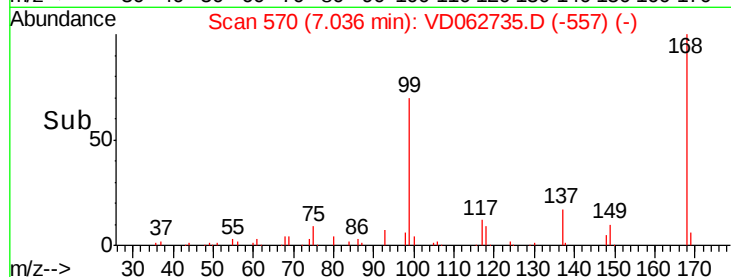
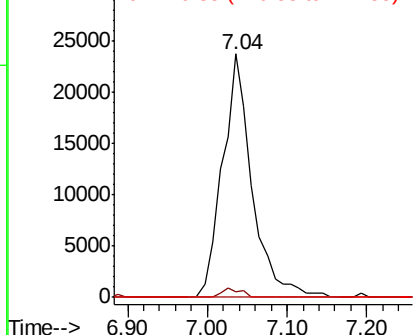
#38
Carbon Tetrachloride
Concen: 4.192 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-G

Tot Ion:117 Resp: 61928
Ion Ratio Lower Upper
117 100
119 2.3 73.5 110.3#
121 0.0 24.2 36.4#

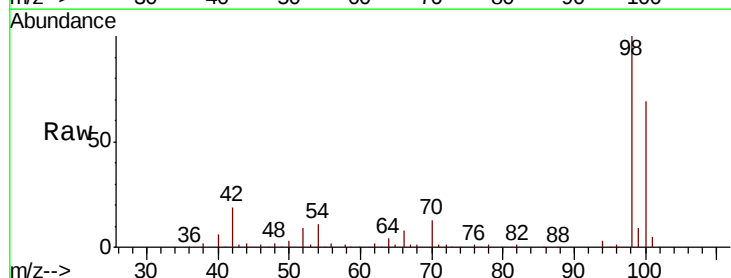


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

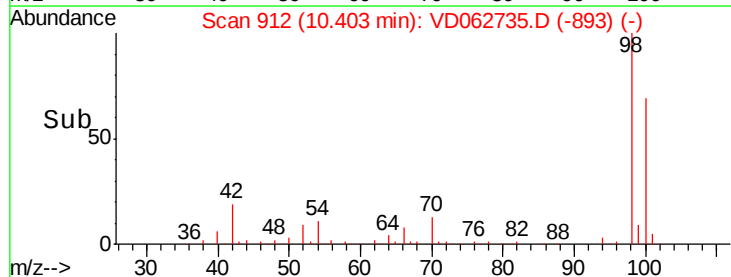
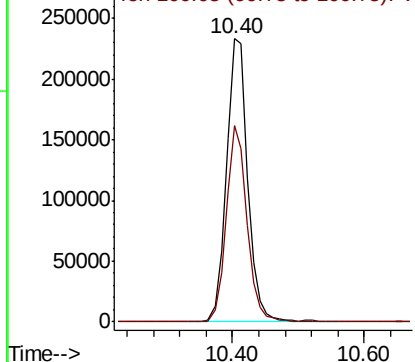


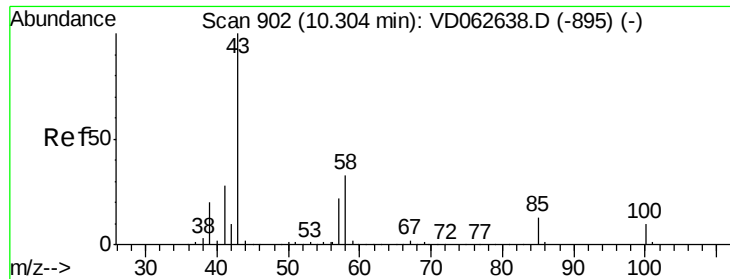
#50
Toluene-d8
Concen: 29.143 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

Tgt Ion: 98 Resp: 527949
Ion Ratio Lower Upper
98 100
100 69.3 52.1 78.1



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: 1.180 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062735.D

Acq: 17 Jun 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

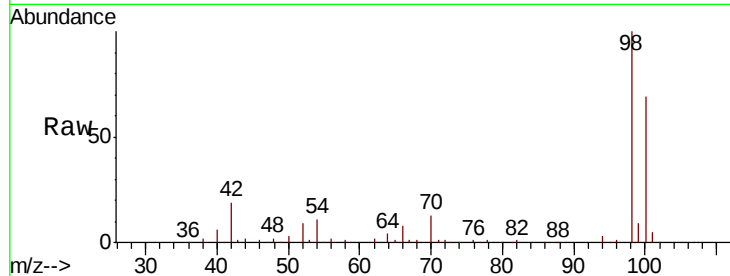
JC-02-061419-G

Tot Ion: 43 Resp: 4071

Ion Ratio Lower Upper

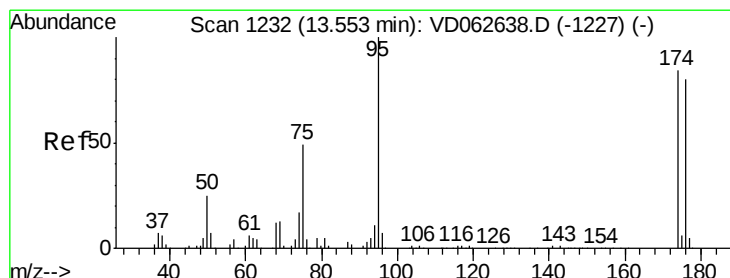
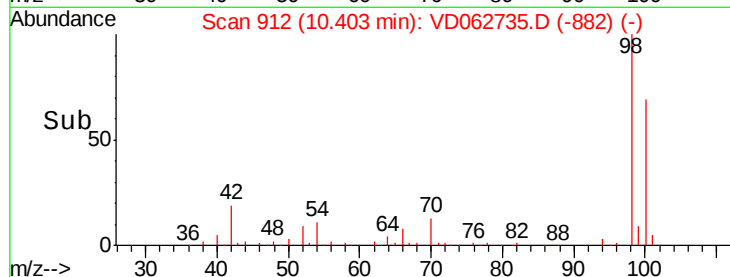
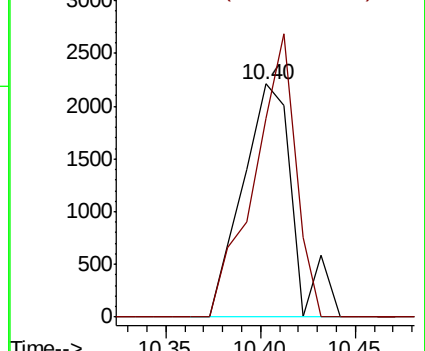
43 100

58 85.1 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: 30.043 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062735.D

Acq: 17 Jun 2019 19:06

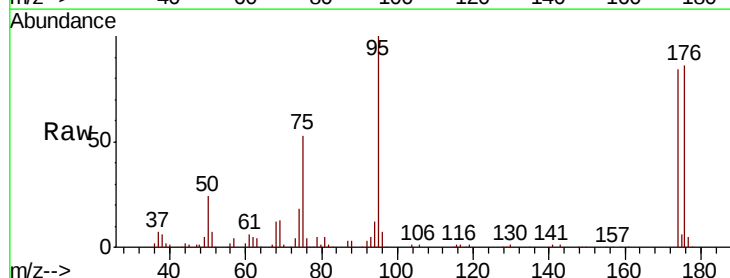
Tgt Ion: 95 Resp: 253912

Ion Ratio Lower Upper

95 100

174 84.4 0.0 167.0

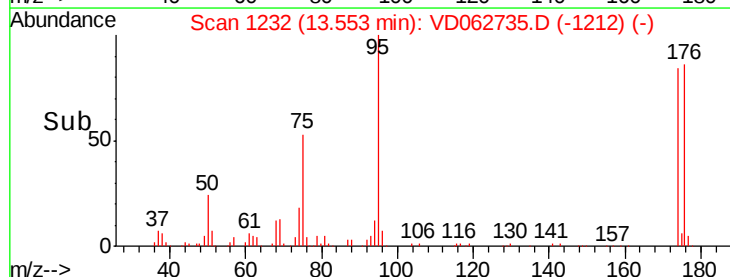
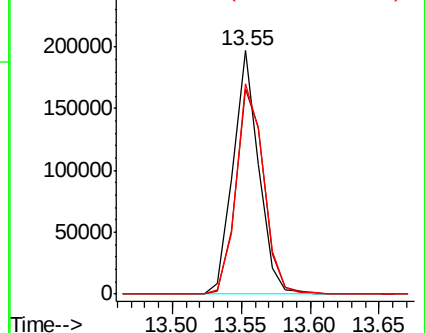
176 86.2 0.0 159.2

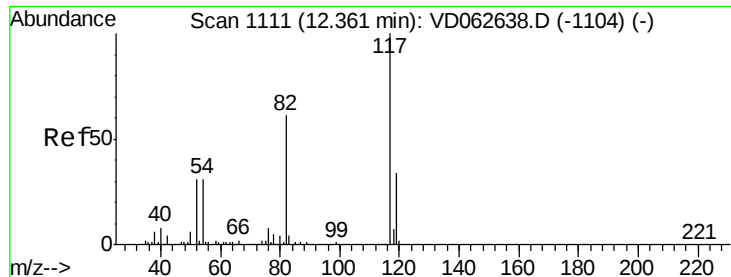


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

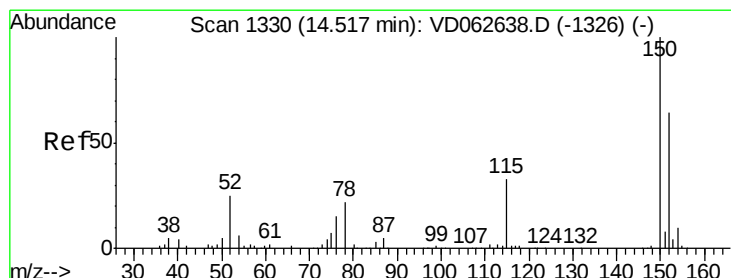
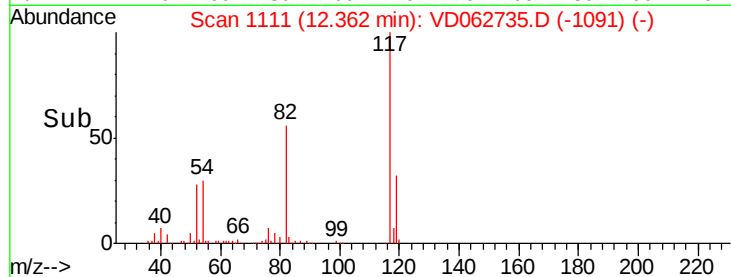
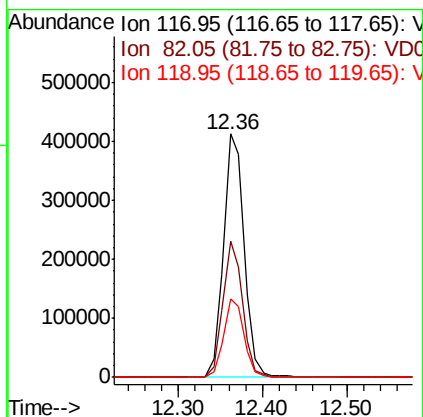
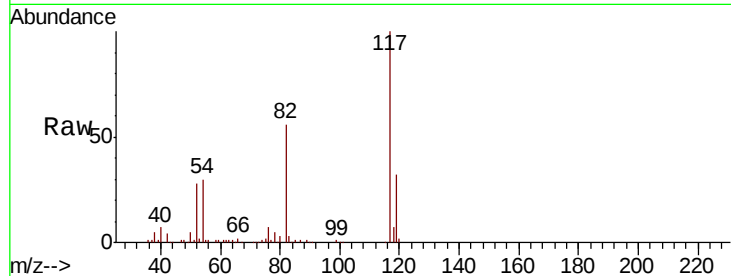




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

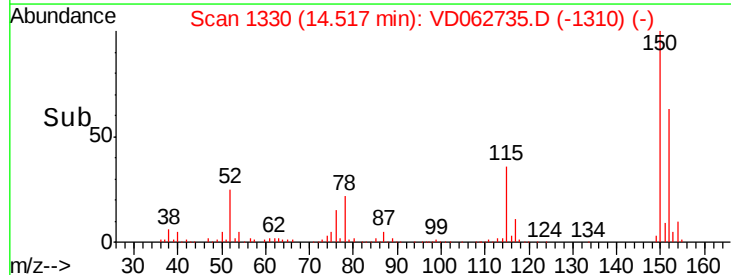
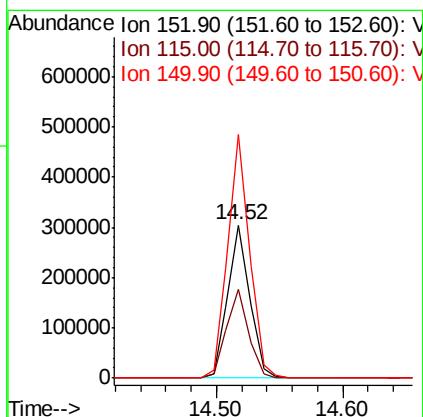
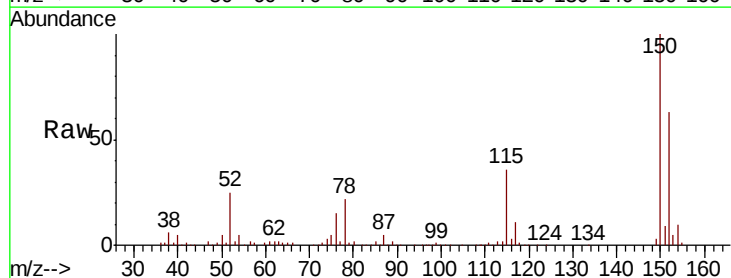
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-G

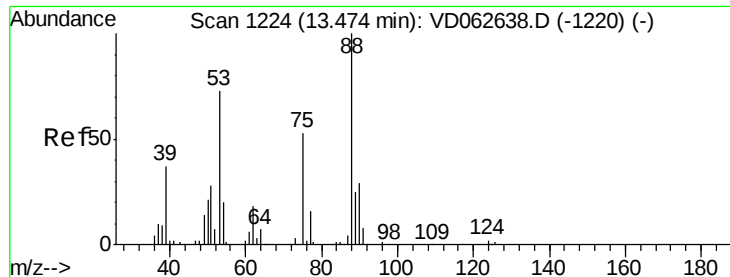
Tot Ion:117 Resp: 700775
Ion Ratio Lower Upper
117 100
82 55.8 48.7 73.1
119 32.1 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

Tgt Ion:152 Resp: 367070
Ion Ratio Lower Upper
152 100
115 57.7 30.1 90.5
150 158.9 0.0 314.0

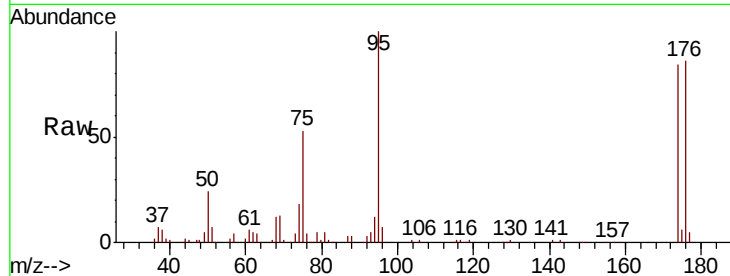




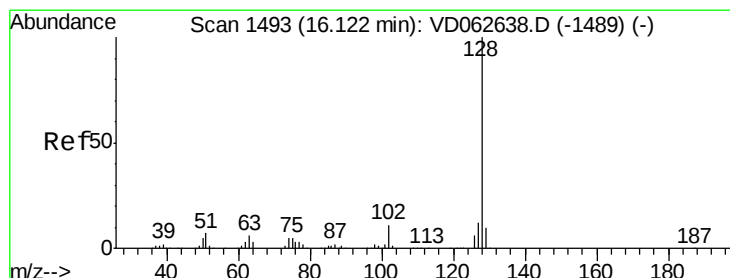
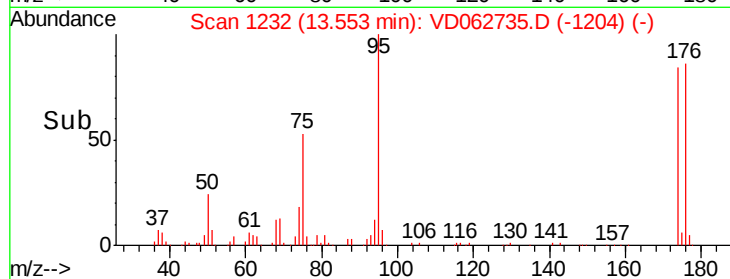
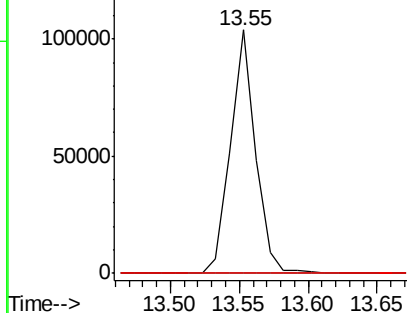
#81
trans-1,4-Dichloro-2-butene
Concen: 85.510 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-G

Tot Ion: 75 Resp: 130640
Ion Ratio Lower Upper
75 100
53 0.0 109.4 164.2#
89 0.0 37.0 55.6#

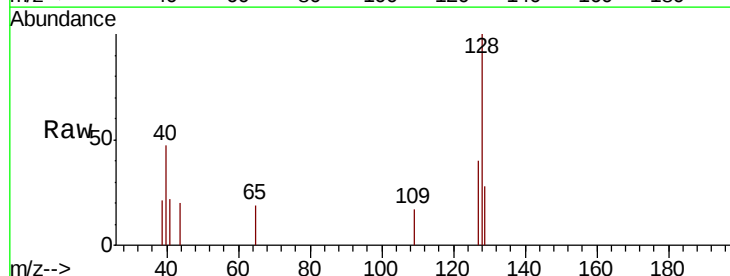


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 3.626 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062735.D
Acq: 17 Jun 2019 19:06

Tgt Ion:128 Resp: 2529
Ion Ratio Lower Upper
128 100
127 31.4 9.7 14.5#
129 21.7 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

