

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062734.D
 Acq On : 17 Jun 2019 18:39
 Operator : VA/AP
 Sample : K3154-11
 Misc : 6.38g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jun 18 06:25:00 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	674573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	930322	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	721187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	294737	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	254835	26.18	ug/l	0.00
Spiked Amount			Recovery	=	52.36%	
35) Dibromofluoromethane	6.91	113	279085	28.44	ug/l	0.00
Spiked Amount			Recovery	=	56.88%	
50) Toluene-d8	10.41	98	495256	24.00	ug/l	0.00
Spiked Amount			Recovery	=	48.00%	
62) 4-Bromofluorobenzene	13.56	95	229509	23.83	ug/l	0.00
Spiked Amount			Recovery	=	47.66%	

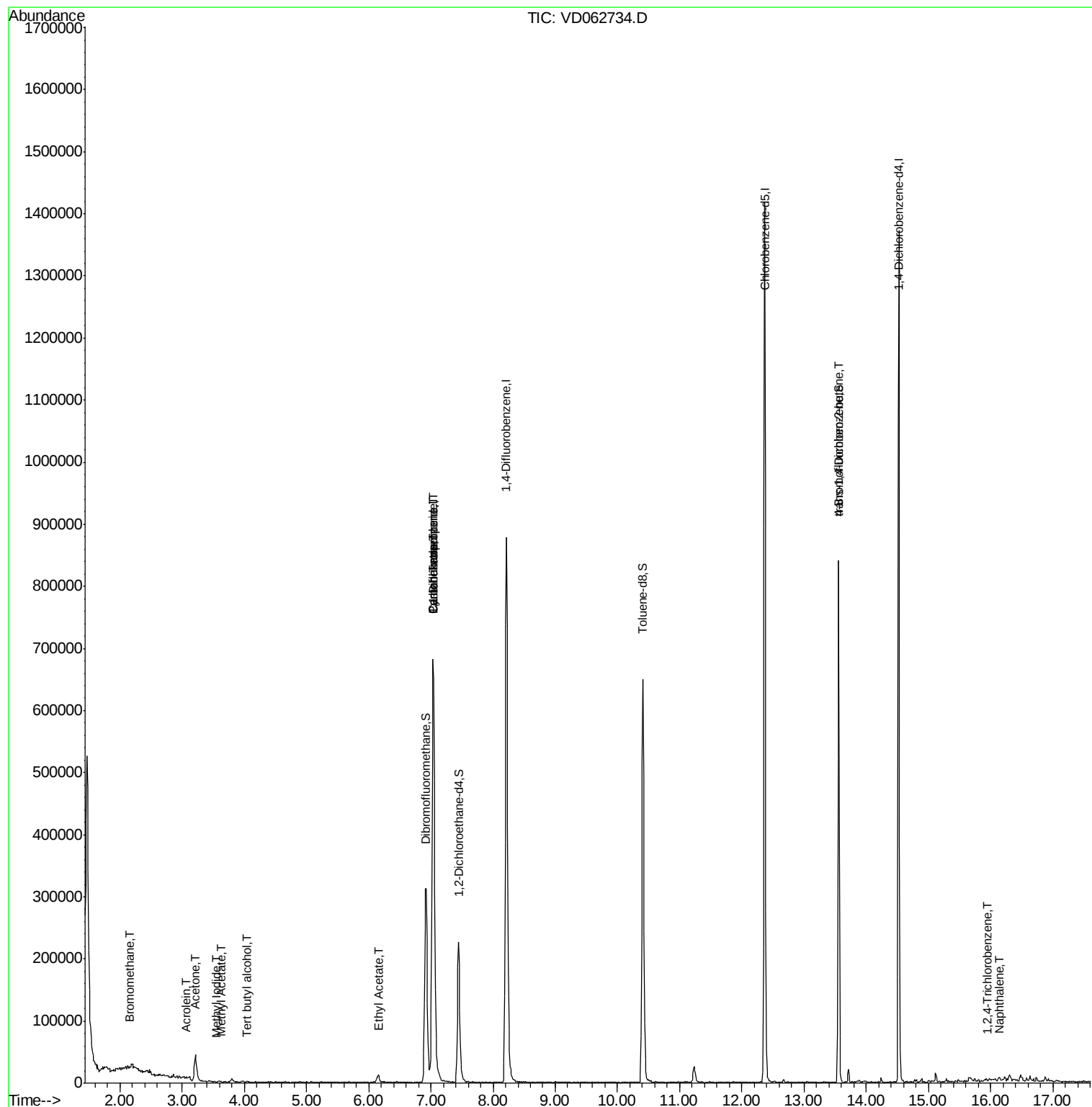
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	3570	1.028	ug/l #	39
10) Methyl Iodide	3.55	142	208	4.025	ug/l #	24
11) Tert butyl alcohol	4.05	59	884	2.209	ug/l #	61
13) Acrolein	3.07	56	715	5.555	ug/l #	72
16) Acetone	3.21	43	88826	49.833	ug/l	98
18) Methyl Acetate	3.62	43	3004	1.025	ug/l #	64
20) Methylene Chloride	3.80	84	2377	Below Cal	#	77
31) Cyclohexane	7.03	56	15566	2.026	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	54187	5.089	ug/l #	58
37) Ethyl Acetate	6.16	43	299	1.265	ug/l #	74
38) Carbon Tetrachloride	7.03	117	72654	4.317	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	107262	87.350	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	296	3.604	ug/l #	1
95) Naphthalene	16.13	128	3719	3.773	ug/l #	78

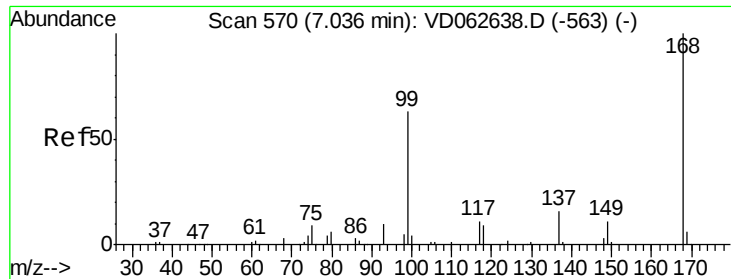
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

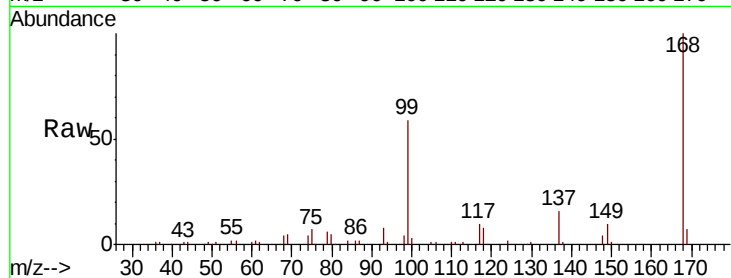
JC-02-061419-F

Tot Ion:168 Resp: 674573

Ion Ratio Lower Upper

168 100

99 59.0 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

250000

200000

150000

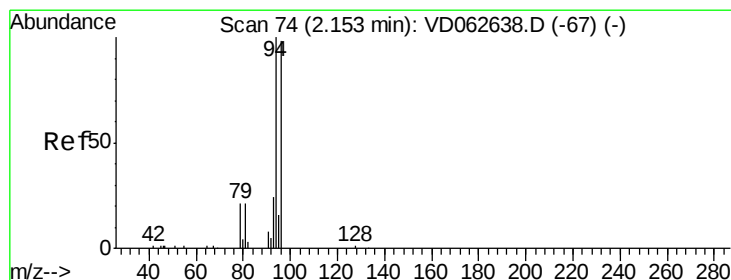
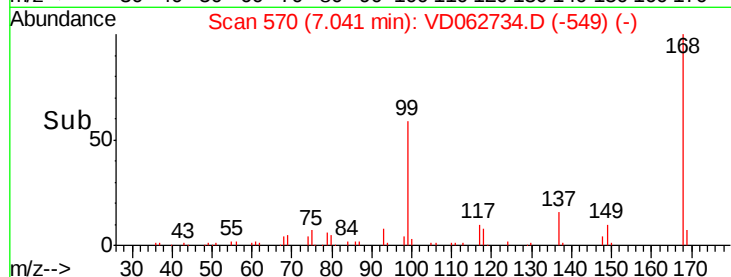
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.028 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

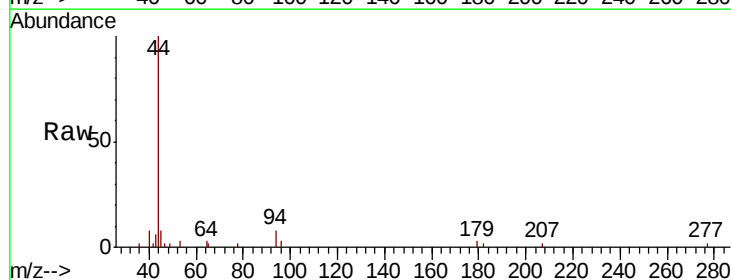
Tgt Ion: 94 Resp: 3570

Ion Ratio Lower Upper

94 100

96 34.8 78.1 117.1#

93 0.0 19.6 29.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.16

1500

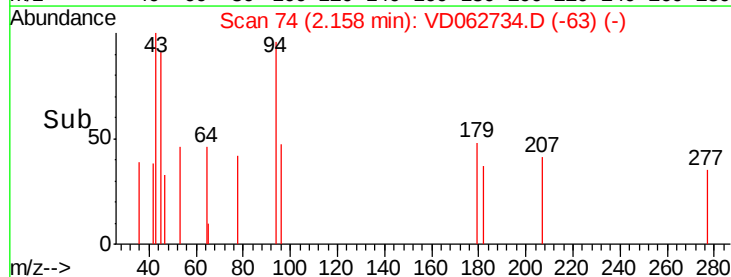
1000

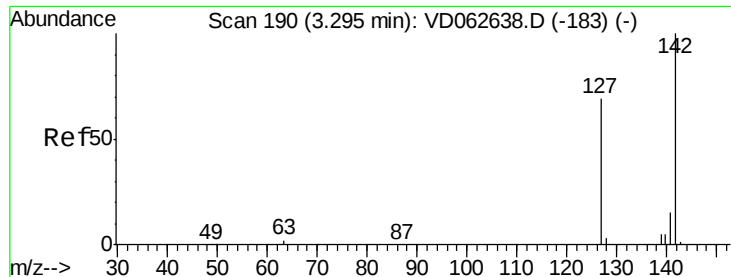
500

0

Time-->

2.05 2.10 2.15 2.20

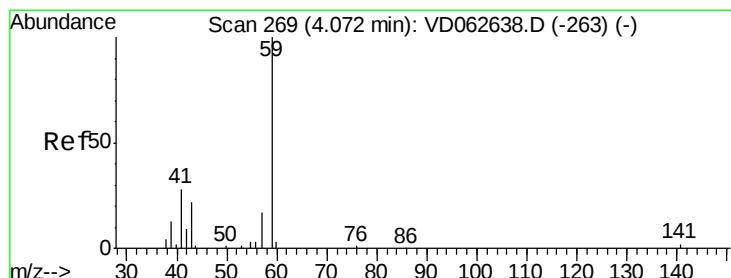
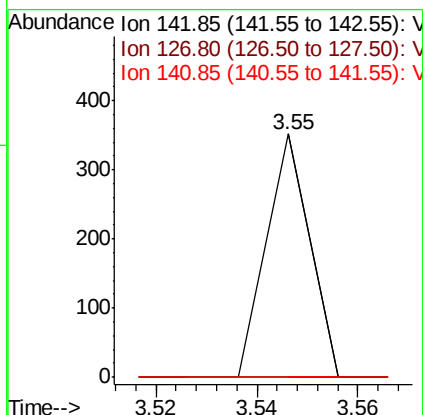
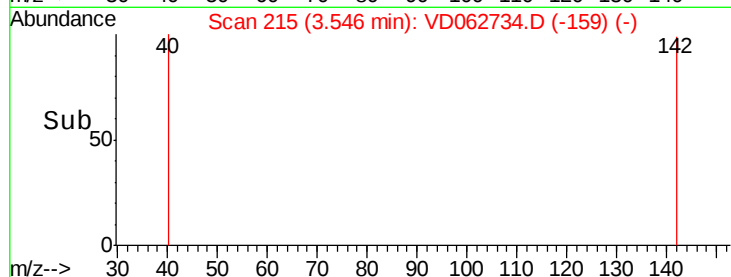
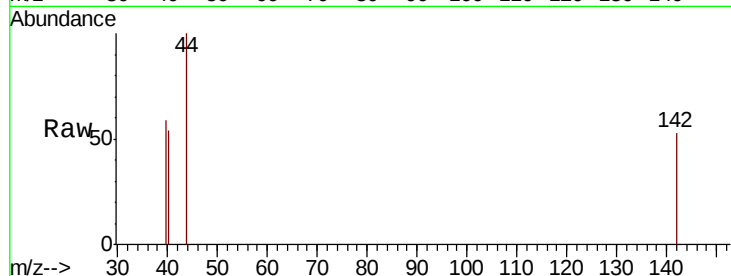




#10
Methvl Iodide
Concen: 4.025 ug/l
RT: 3.55 min Scan# 215
Delta R.T. 0.25 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

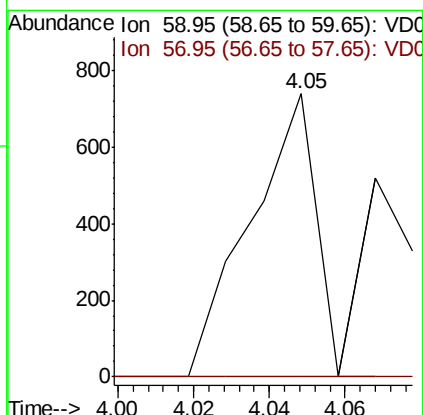
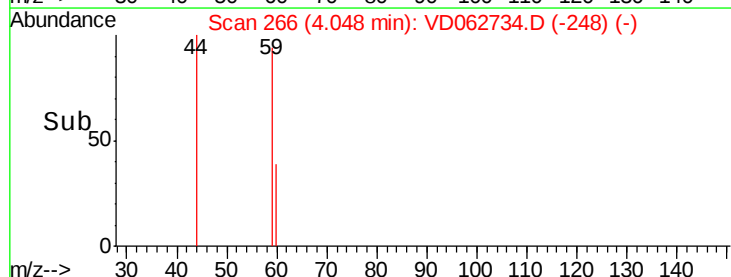
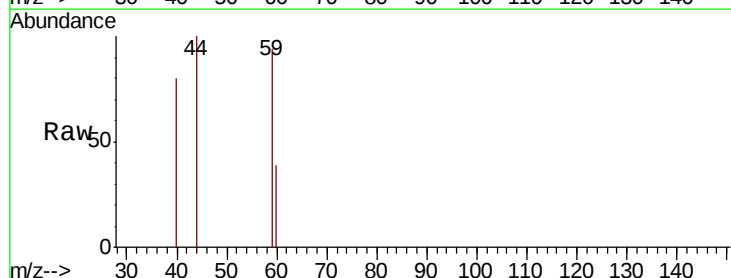
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JC-02-061419-F

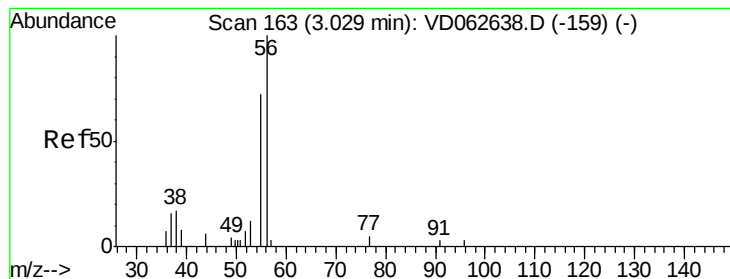
Tot Ion:142 Resp: 208
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 2.209 ug/l
RT: 4.05 min Scan# 266
Delta R.T. -0.02 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

Tgt Ion: 59 Resp: 884
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#





#13

Acrolein

Concen: 5.555 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.04 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

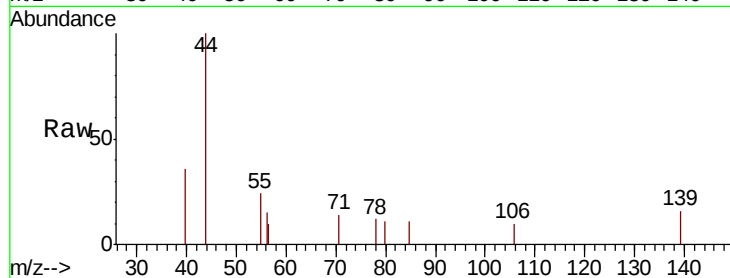
JC-02-061419-F

Tot Ion: 56 Resp: 715

Ion Ratio Lower Upper

56 100

55 98.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

600

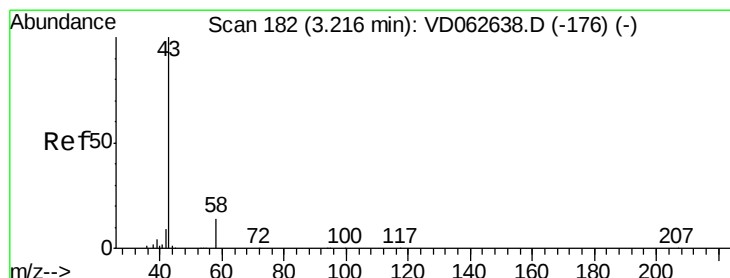
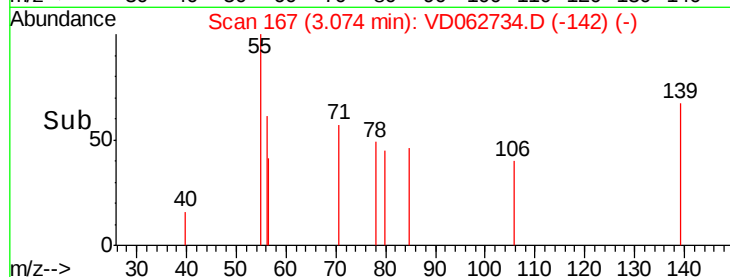
400

200

0

3.02 3.04 3.06 3.08 3.10

Time-->



#16

Acetone

Concen: 49.833 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD062734.D

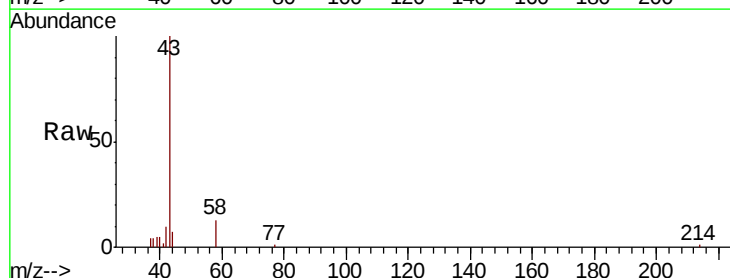
Acq: 17 Jun 2019 18:39

Tgt Ion: 43 Resp: 88826

Ion Ratio Lower Upper

43 100

58 12.6 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

30000

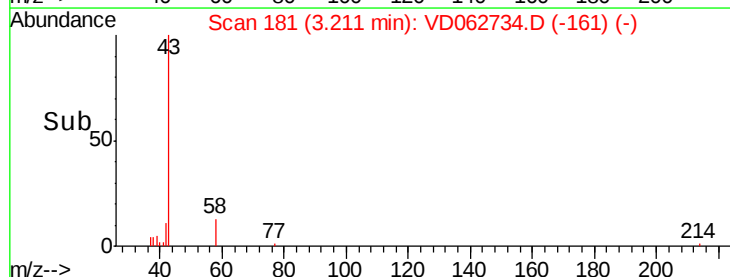
20000

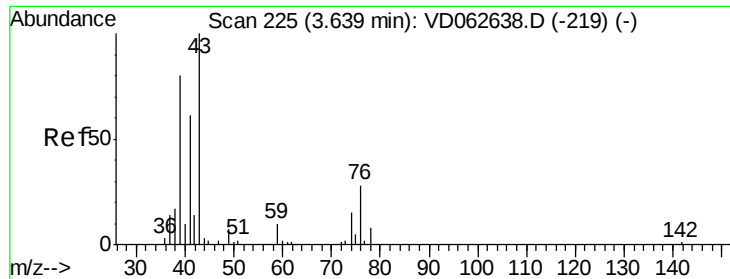
10000

0

3.10 3.20 3.30 3.40

Time-->

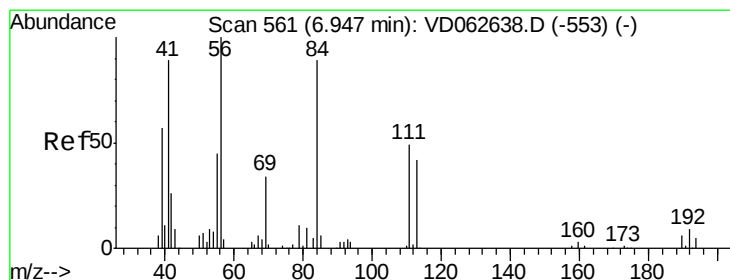
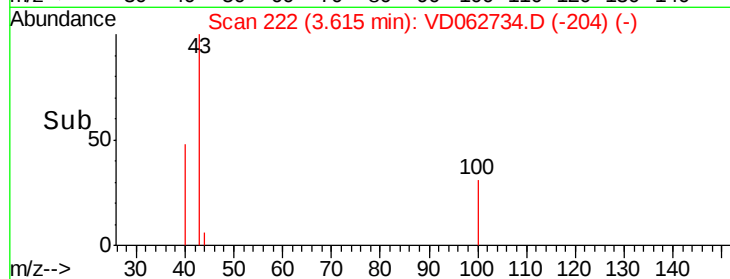
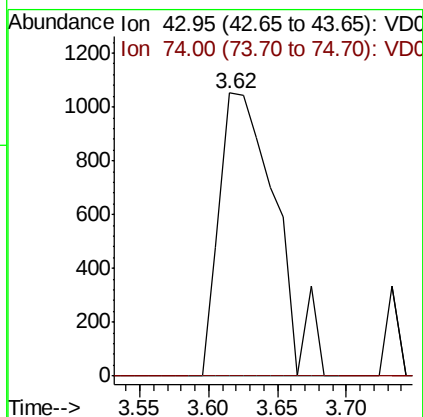
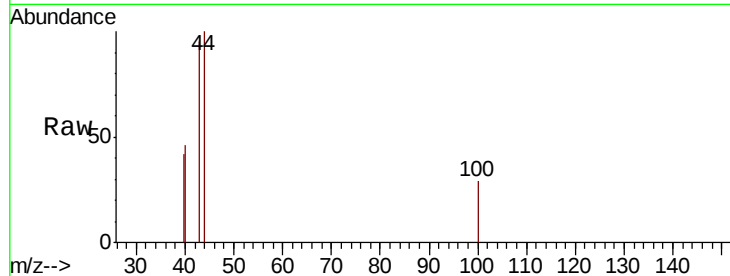




#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 3.62 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

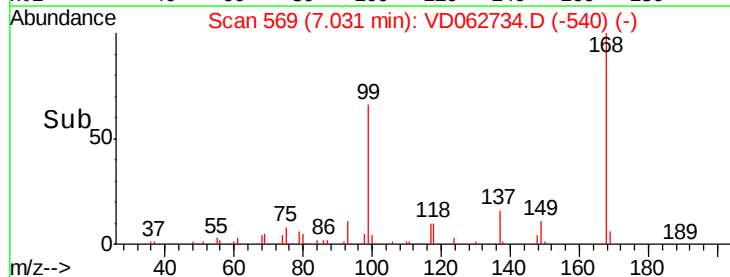
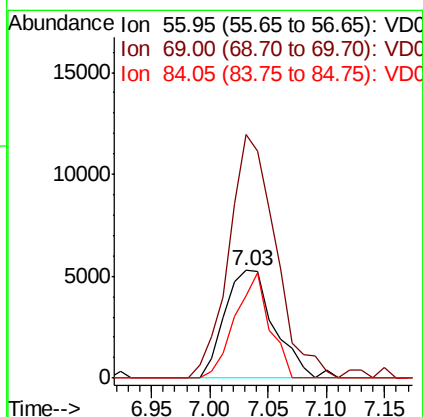
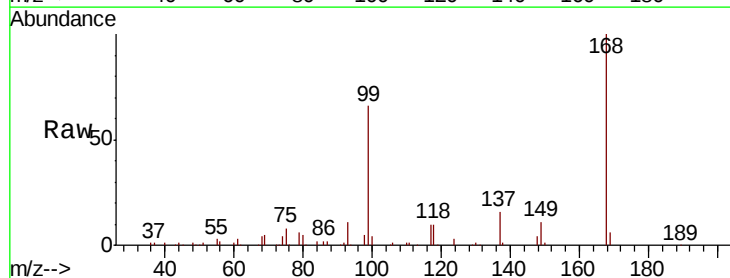
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-F

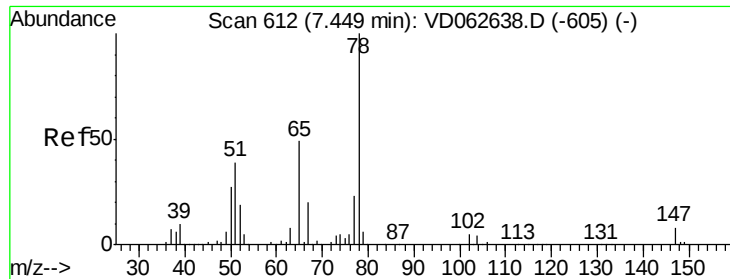
Tot Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#31
Cyclohexane
Concen: 2.026 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

Tgt Ion: 56 Resp: 15566
Ion Ratio Lower Upper
56 100
69 225.7 26.8 40.2#
84 76.0 73.9 110.9





#33

1,2-Dichloroethane-d4

Concen: 26.180 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

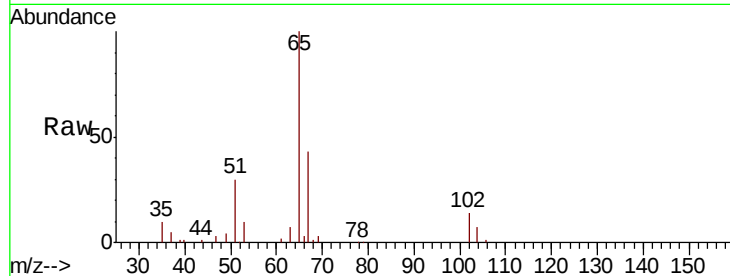
JC-02-061419-F

Tot Ion: 65 Resp: 254835

Ion Ratio Lower Upper

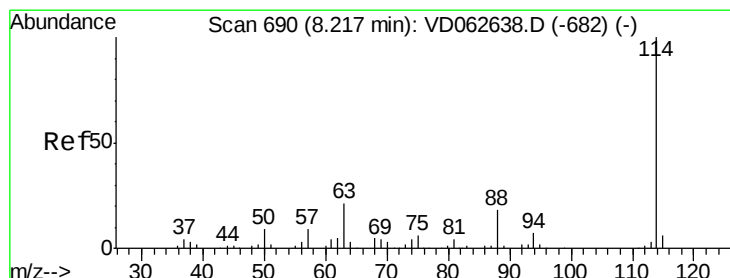
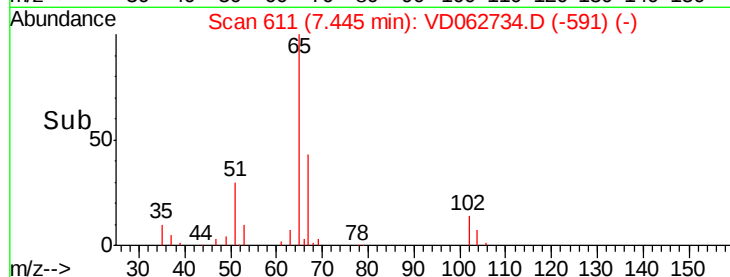
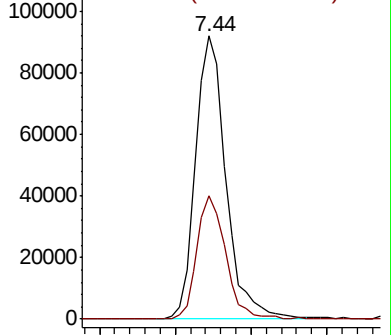
65 100

67 43.4 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. -0.00 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

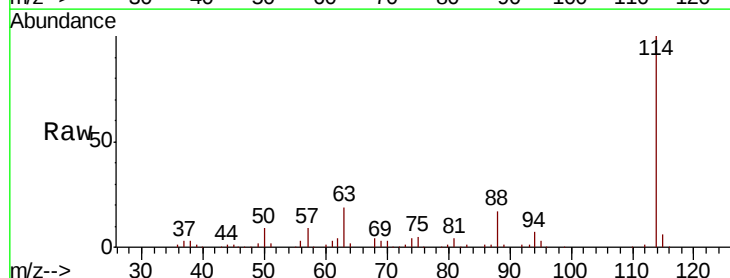
Tgt Ion: 114 Resp: 930322

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

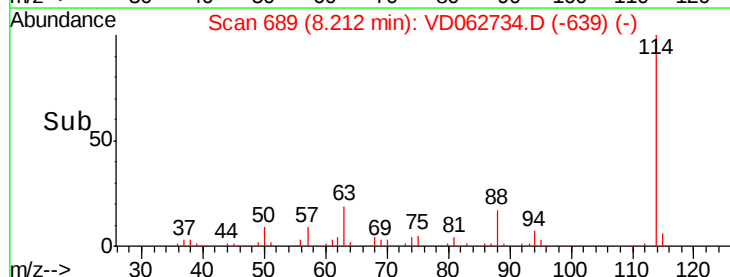
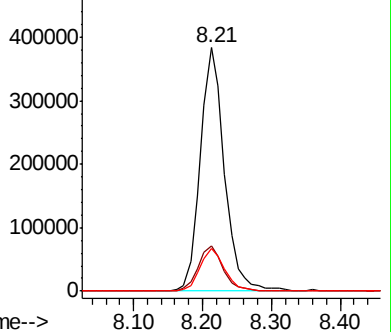
88 17.4 0.0 36.8

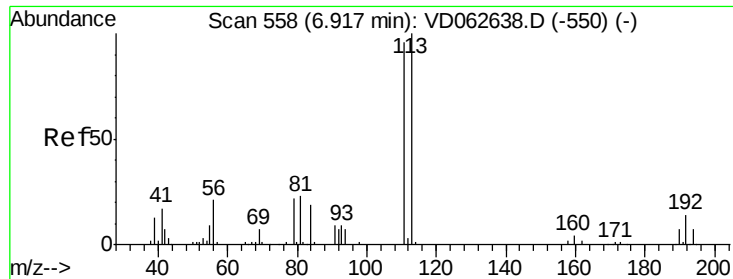


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 28.445 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

JC-02-061419-F

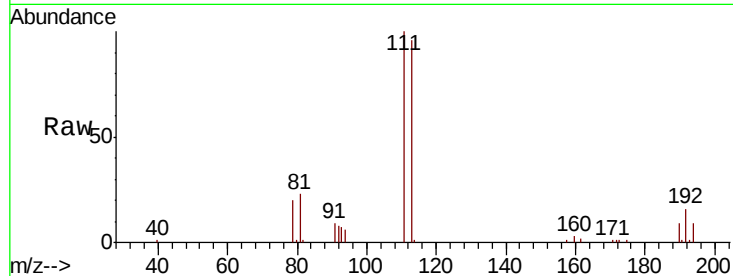
Tot Ion:113 Resp: 279085

Ion Ratio Lower Upper

113 100

111 104.6 76.4 114.6

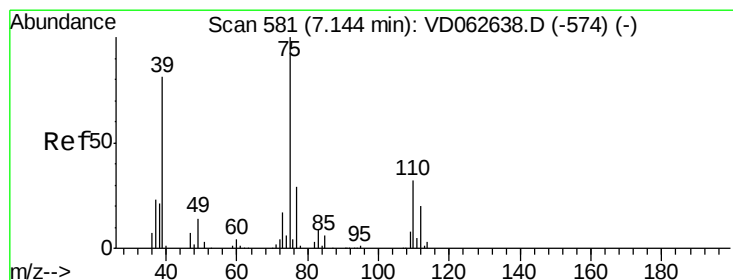
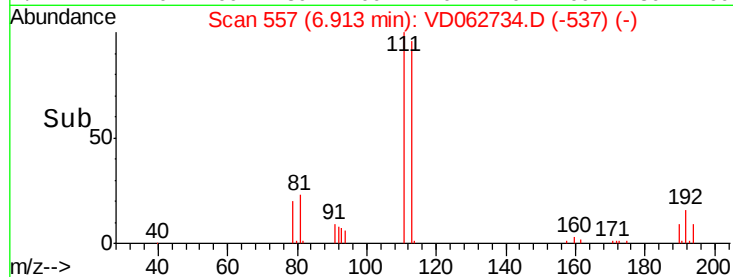
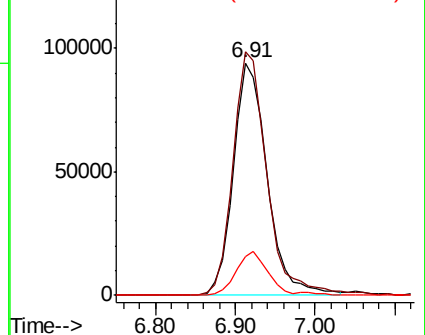
192 16.5 11.4 17.0



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: 5.089 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

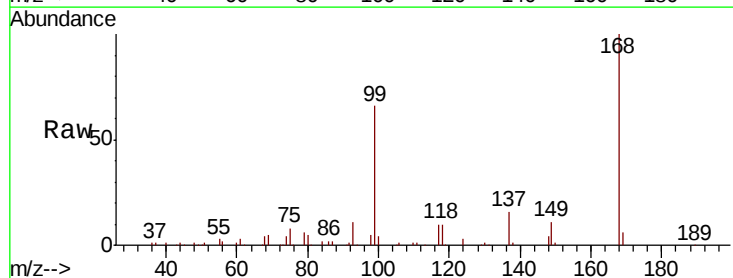
Tgt Ion: 75 Resp: 54187

Ion Ratio Lower Upper

75 100

110 14.5 15.9 47.7#

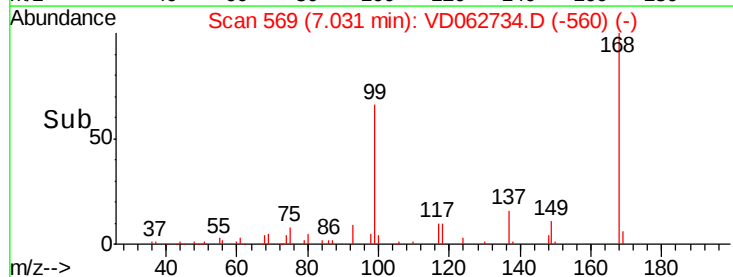
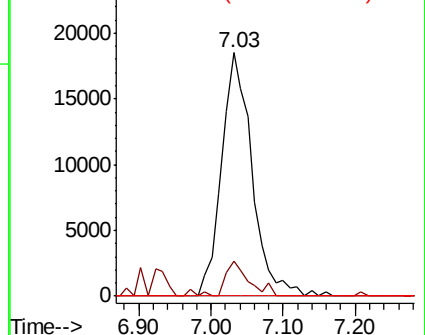
77 0.0 23.3 34.9#

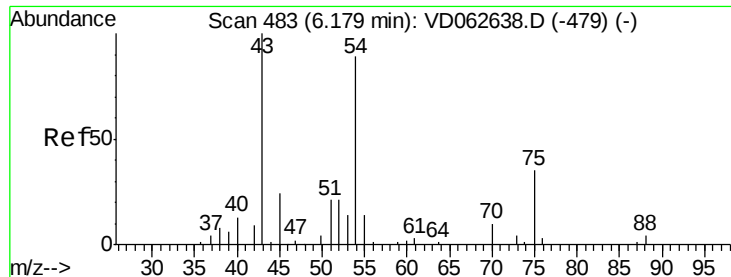


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

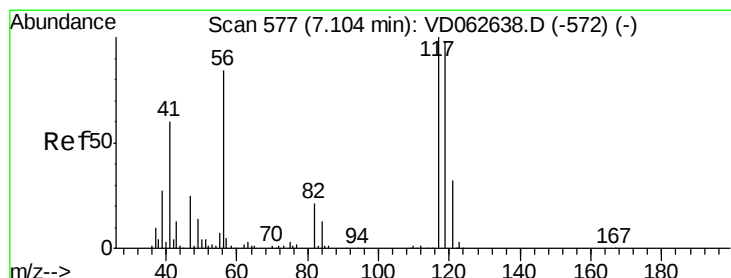
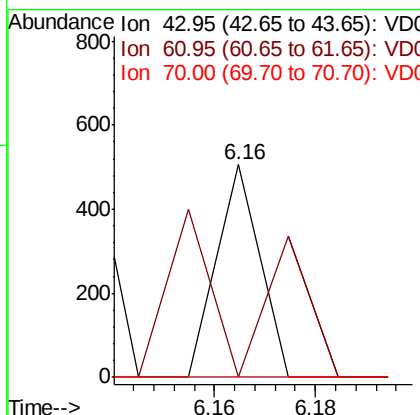
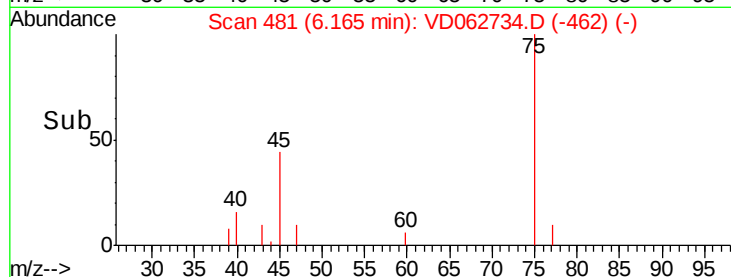
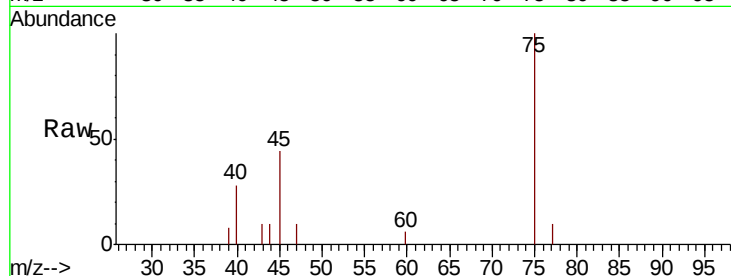




#37
Ethyl Acetate
Concen: 1.265 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

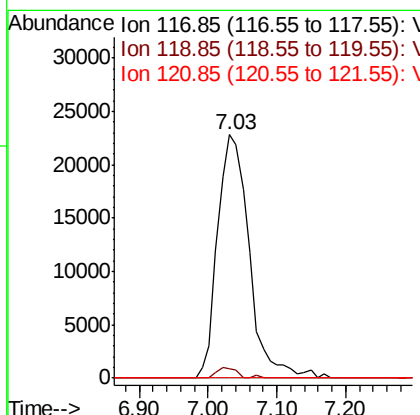
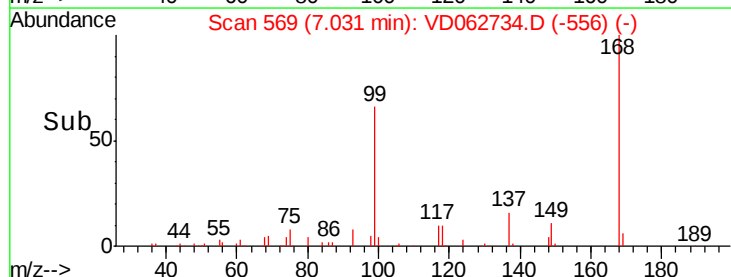
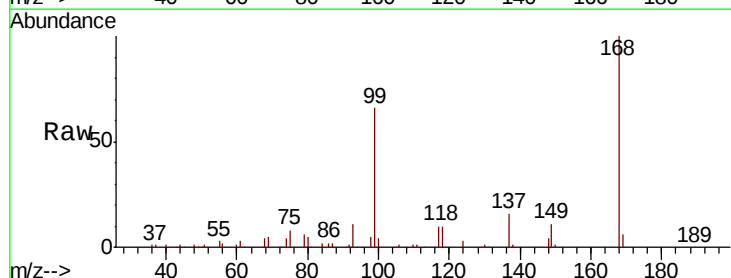
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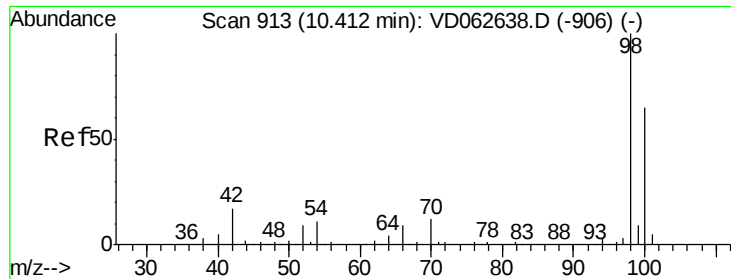
Tot Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 4.317 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

Tgt Ion: 117 Resp: 72654
Ion Ratio Lower Upper
117 100
119 3.8 73.5 110.3#
121 0.0 24.2 36.4#

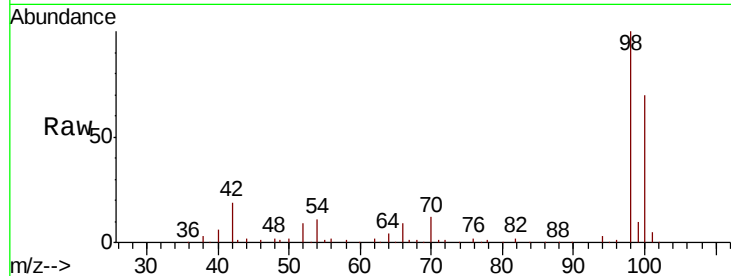




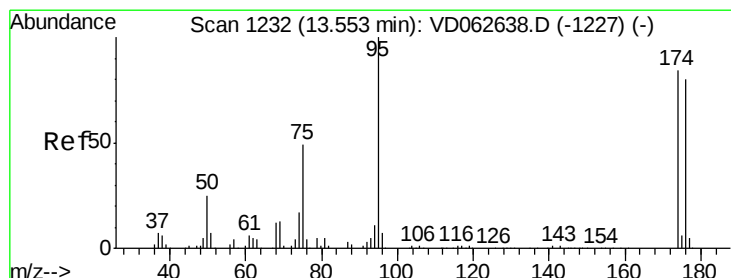
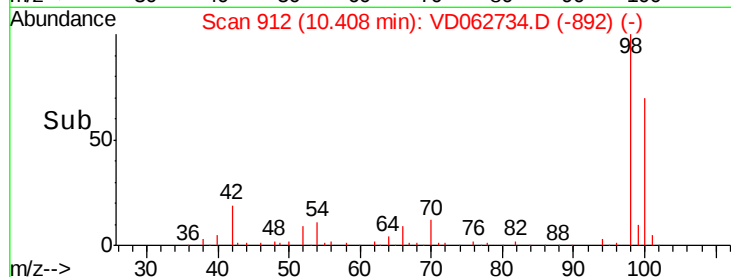
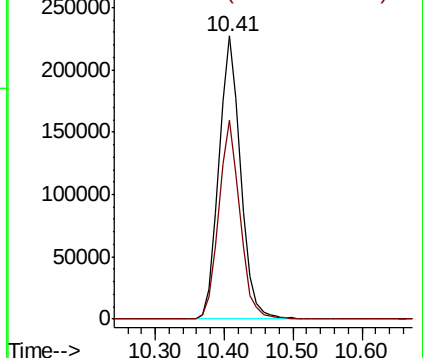
#50
Toluene-d8
Concen: 23.995 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

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

Tot Ion: 98 Resp: 495256
Ion Ratio Lower Upper
98 100
100 70.1 52.1 78.1

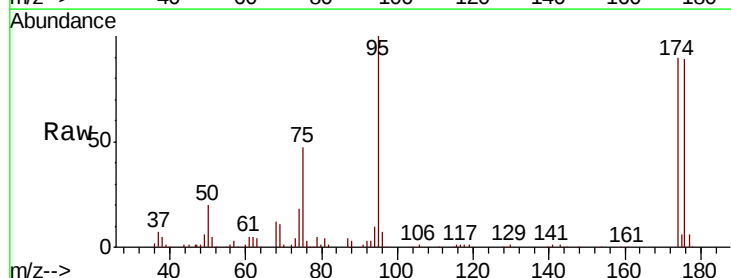


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

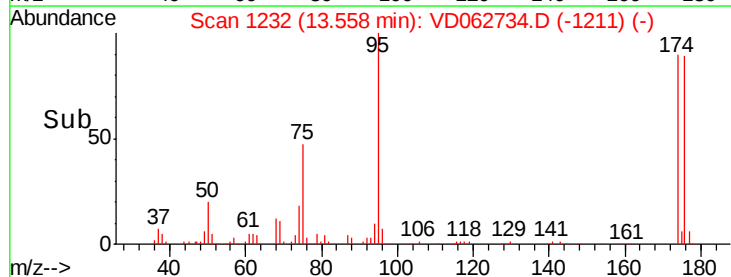
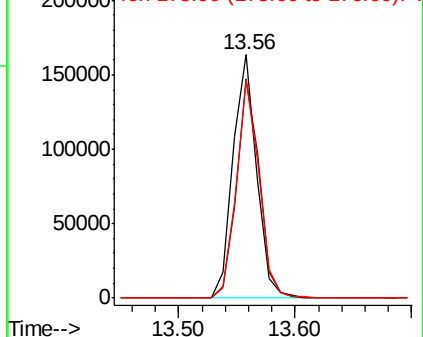


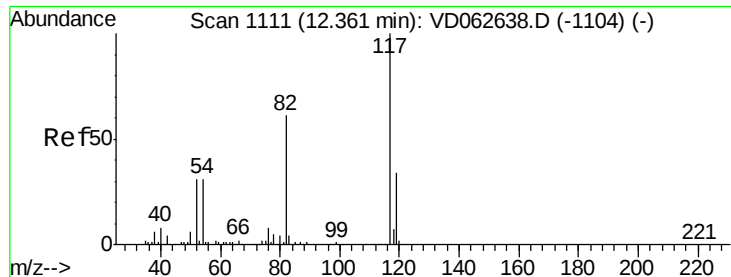
#62
4-Bromofluorobenzene
Concen: 23.835 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

Tgt Ion: 95 Resp: 229509
Ion Ratio Lower Upper
95 100
174 89.9 0.0 167.0
176 89.4 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

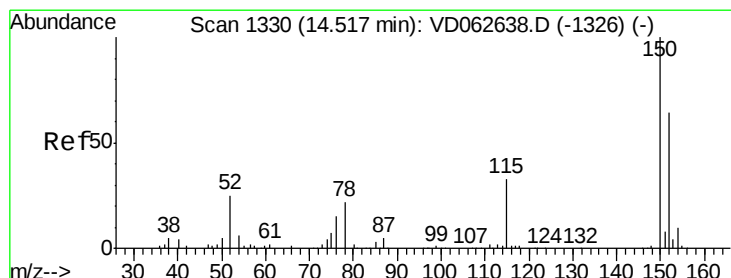
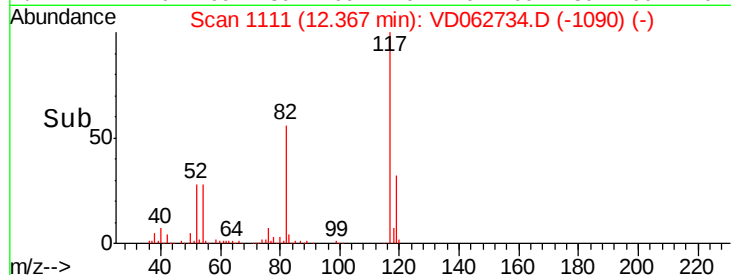
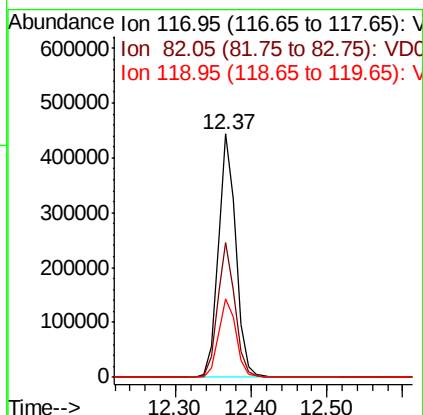
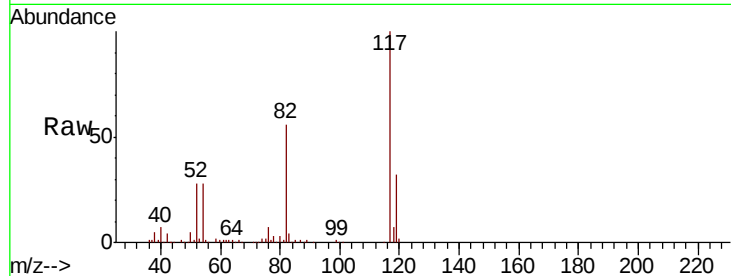




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

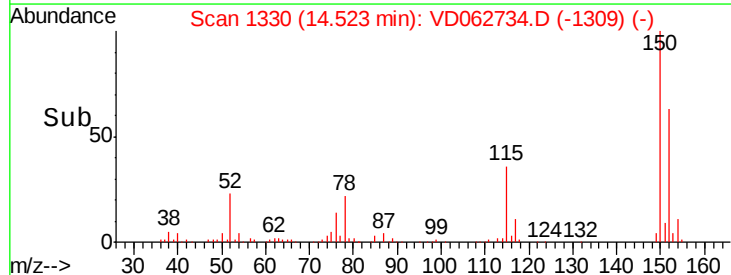
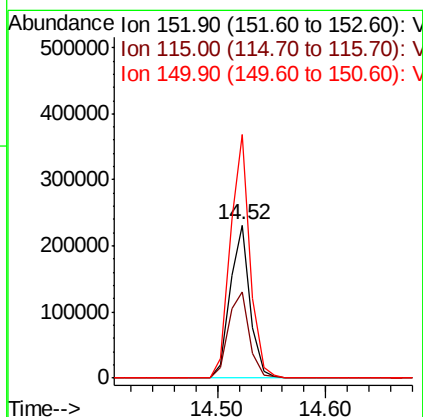
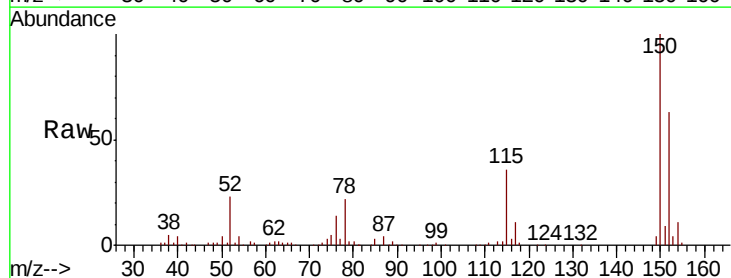
Instrument :
MSVOA_D
ClientSampleId :
JC-02-061419-F

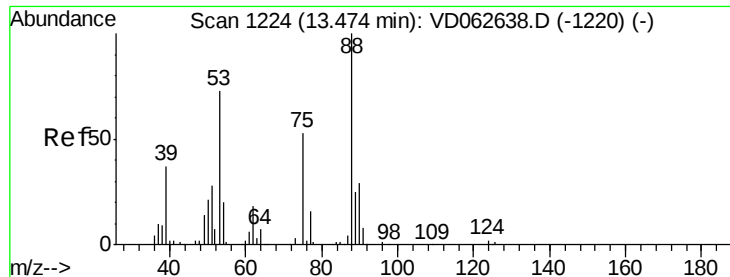
Tot Ion:117 Resp: 721187
Ion Ratio Lower Upper
117 100
82 55.5 48.7 73.1
119 32.4 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

Tgt Ion:152 Resp: 294737
Ion Ratio Lower Upper
152 100
115 56.6 30.1 90.5
150 158.9 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 87.350 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

JC-02-061419-F

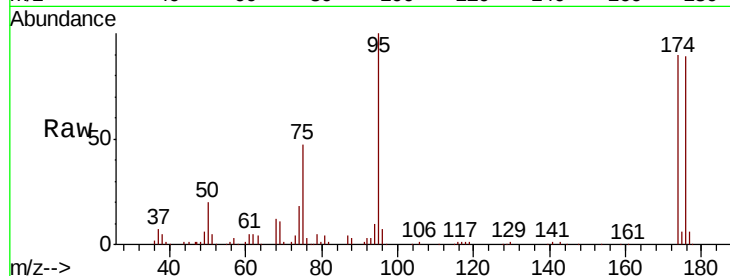
Tot Ion: 75 Resp: 107262

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

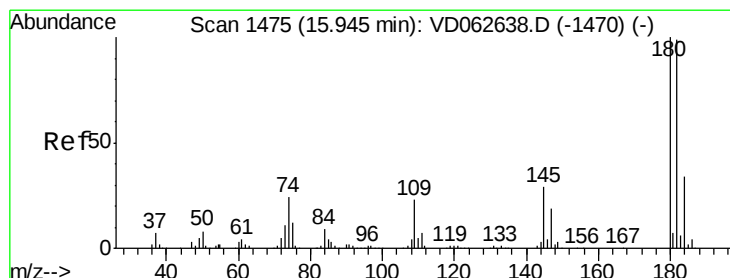
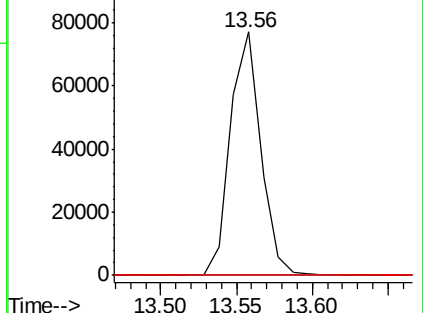
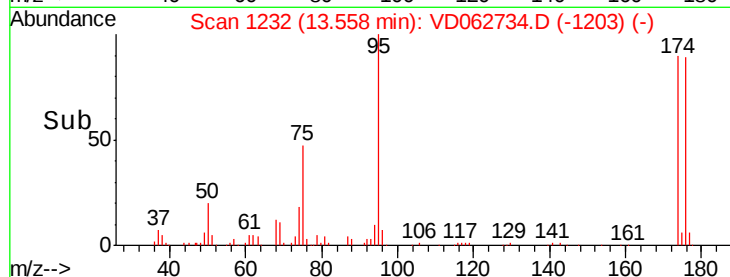
89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.604 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.01 min

Lab File: VD062734.D

Acq: 17 Jun 2019 18:39

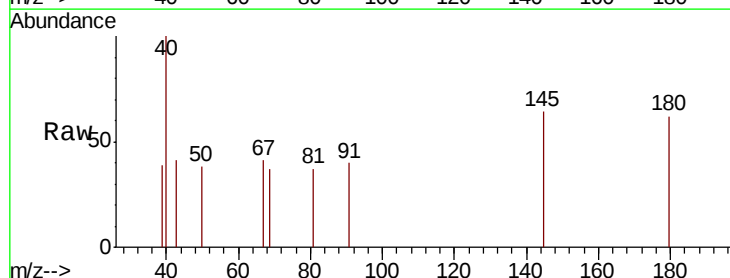
Tgt Ion:180 Resp: 296

Ion Ratio Lower Upper

180 100

182 0.0 49.4 148.2#

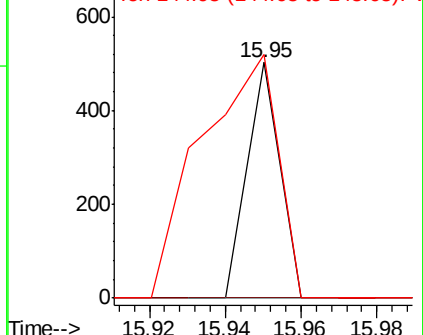
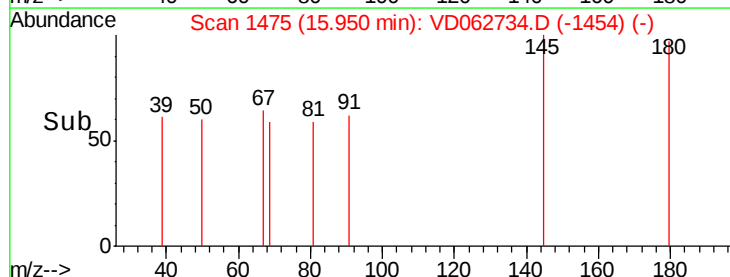
145 103.4 14.5 43.6#

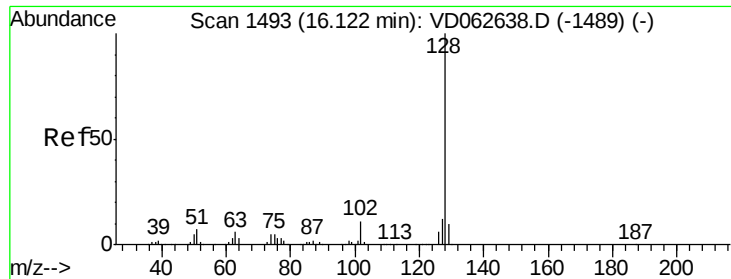


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
Naphthalene
Concen: 3.773 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062734.D
Acq: 17 Jun 2019 18:39

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

Tot Ion:128 Resp: 3719
Ion Ratio Lower Upper
128 100
127 19.1 9.7 14.5#
129 0.0 8.1 12.1#

