

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062607.D
 Acq On : 4 Jun 2019 19:20
 Operator : FY/SY
 Sample : K3165-04
 Misc : 5.06g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	53732	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	78456	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	80432	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	40996	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	82513	130.97	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	261.94%	
35) Dibromofluoromethane	6.92	113	60358	84.42	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	168.84%	
50) Toluene-d8	10.41	98	92669	59.16	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	118.32%	
62) 4-Bromofluorobenzene	13.55	95	45895	64.97	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	129.94%	

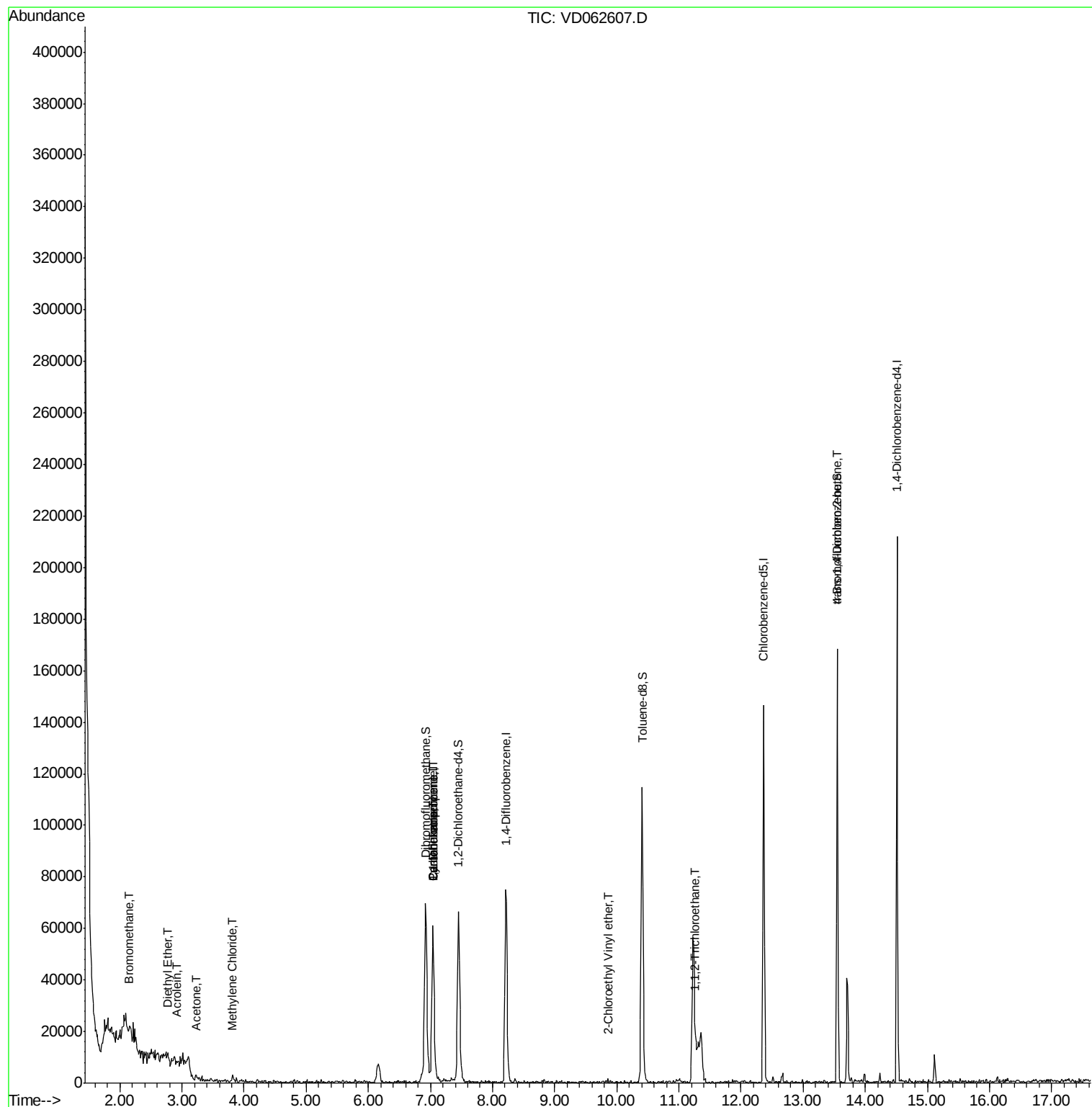
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	417	Below Cal	#	43
5) Bromomethane	2.14	94	1520	9.832	ug/l #	1
8) Diethyl Ether	2.76	74	194	1.503	ug/l #	1
13) Acrolein	2.93	56	402	34.334	ug/l #	10
16) Acetone	3.24	43	3304	26.691	ug/l #	60
20) Methylene Chloride	3.81	84	911	1.988	ug/l #	92
31) Cyclohexane	7.04	56	1126	1.924	ug/l #	2
36) 1,1-Dichloropropene	7.04	75	4708	6.028	ug/l #	41
38) Carbon Tetrachloride	7.03	117	6074	5.224	ug/l #	15
55) 1,1,2-Trichloroethane	11.27	97	439	1.279	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.86	63	272	1.450	ug/l #	49
81) trans-1,4-Dichloro-2-buten	13.55	75	22589	160.284	ug/l #	5

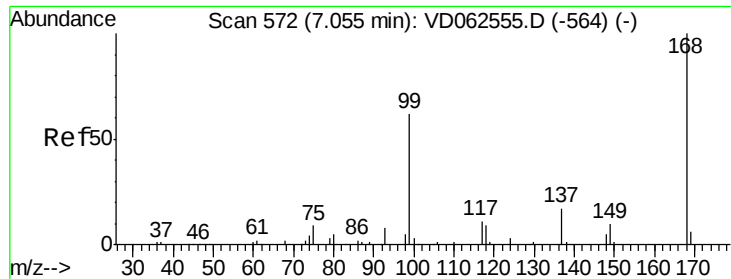
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060419\
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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

Instrument :

MSVOA_D

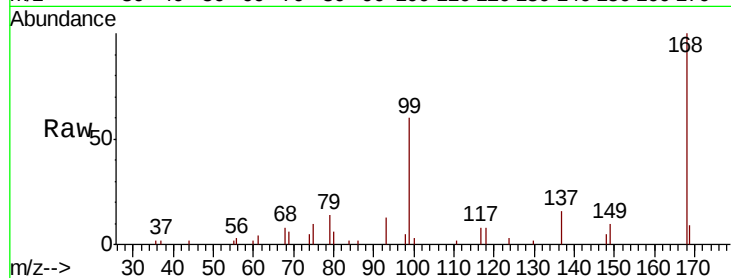
ClientSampleId :

Tot Ion:168 Resp: 53732

Ion Ratio Lower Upper

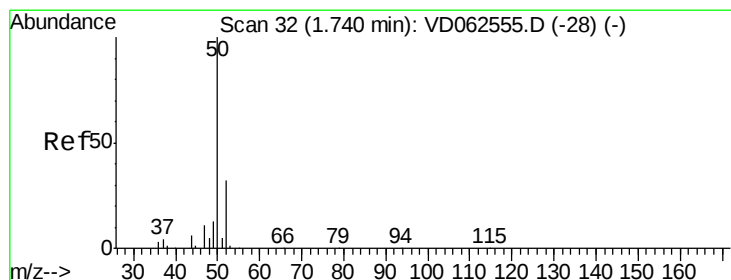
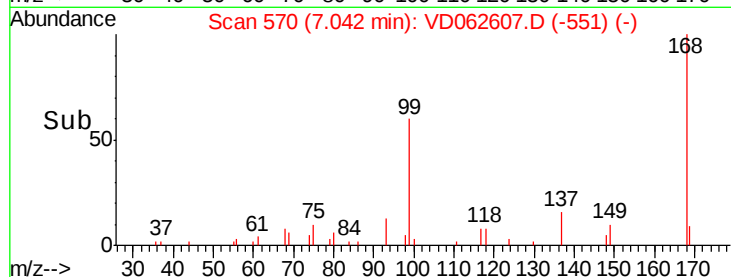
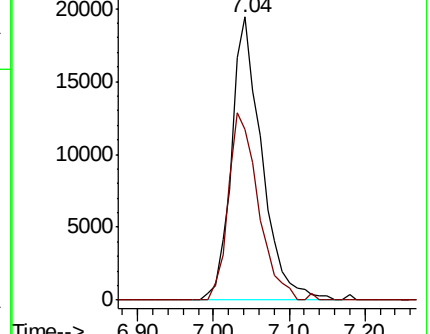
168 100

99 60.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.77 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD062607.D

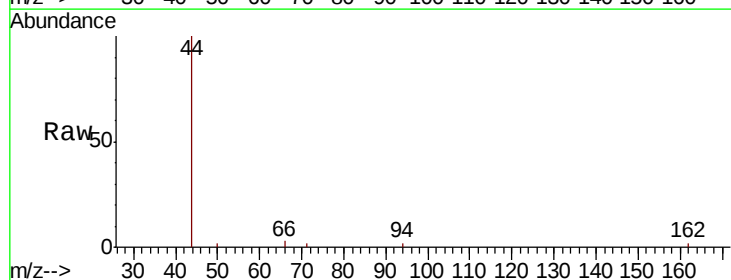
Acq: 4 Jun 2019 19:20

Tgt Ion: 50 Resp: 417

Ion Ratio Lower Upper

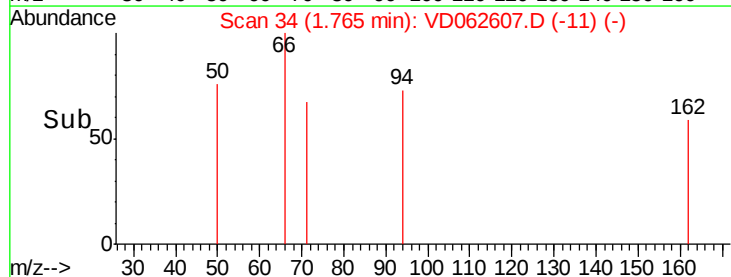
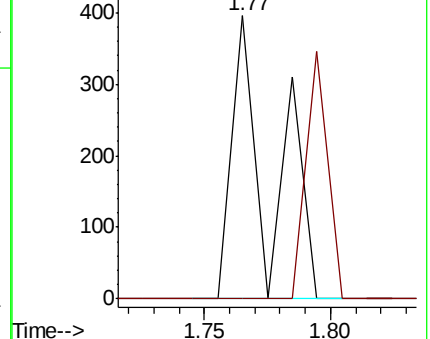
50 100

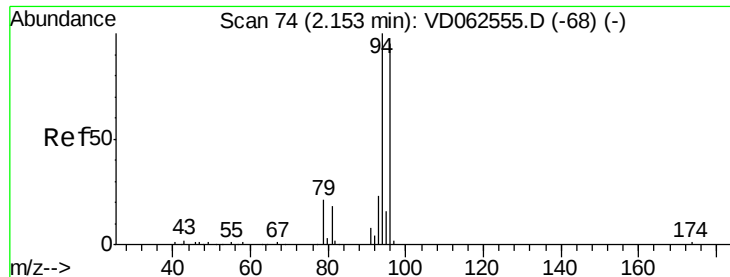
52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 9.832 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampled :

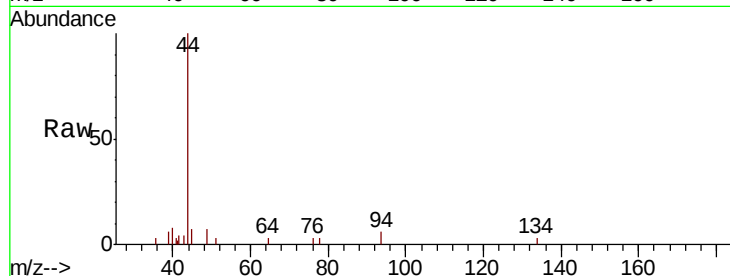
Tot Ion: 94 Resp: 1520

Ion Ratio Lower Upper

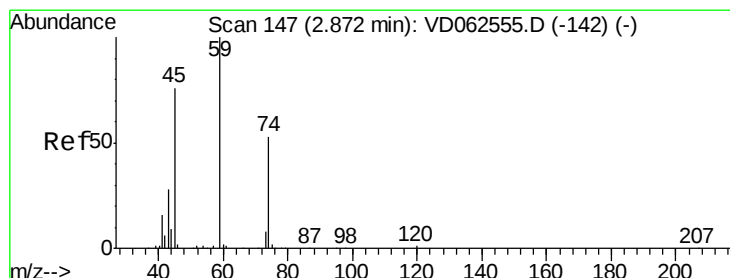
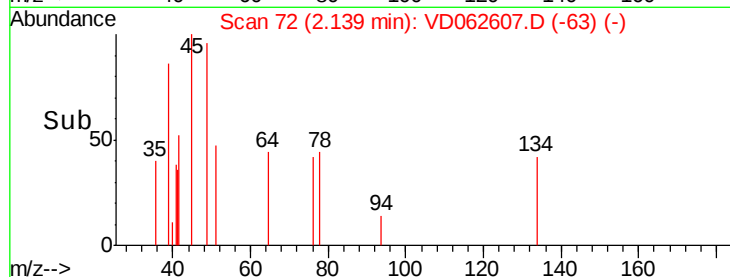
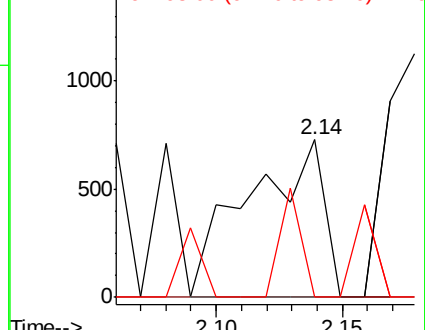
94 100

96 0.0 76.2 114.4#

93 100.0 18.4 27.6#



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



#8

Diethyl Ether

Concen: 1.503 ug/l

RT: 2.76 min Scan# 135

Delta R.T. -0.11 min

Lab File: VD062607.D

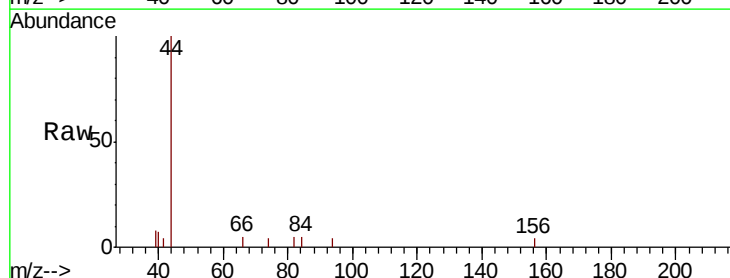
Acq: 4 Jun 2019 19:20

Tgt Ion: 74 Resp: 194

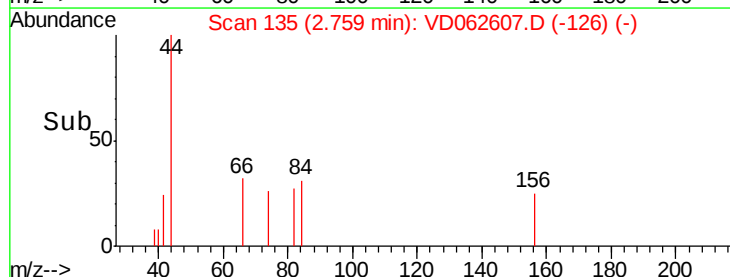
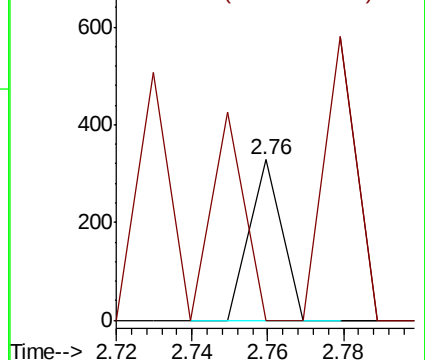
Ion Ratio Lower Upper

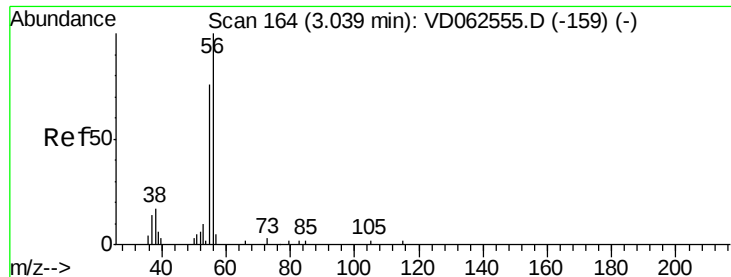
74 100

45 0.0 71.9 215.7#



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#13

Acrolein

Concen: 34.334 ug/l

RT: 2.93 min Scan# 152

Delta R.T. -0.11 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

Instrument :

MSVOA_D

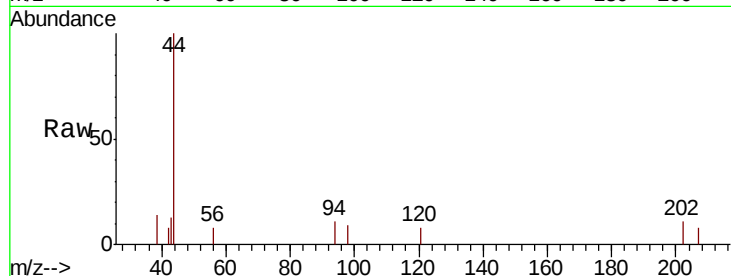
ClientSampleId :

Tot Ion: 56 Resp: 402

Ion Ratio Lower Upper

56 100

55 0.0 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.93

300

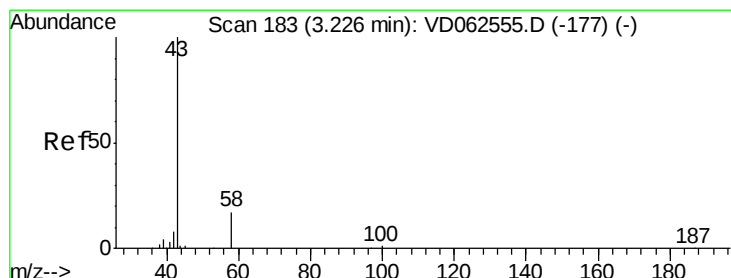
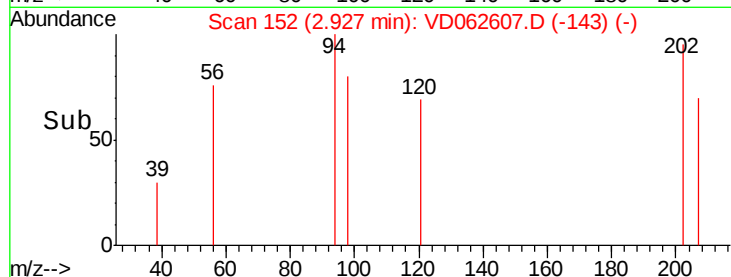
200

100

0

2.88 2.90 2.92 2.94 2.96

Time-->



#16

Acetone

Concen: 26.691 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062607.D

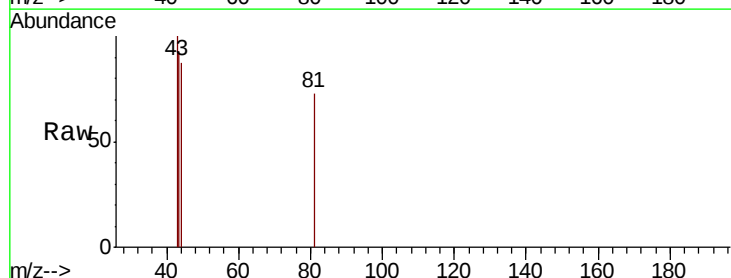
Acq: 4 Jun 2019 19:20

Tgt Ion: 43 Resp: 3304

Ion Ratio Lower Upper

43 100

58 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

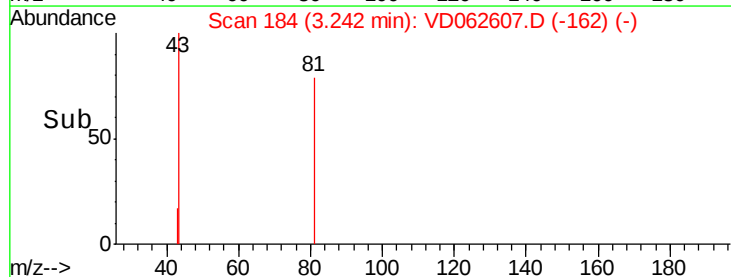
1000

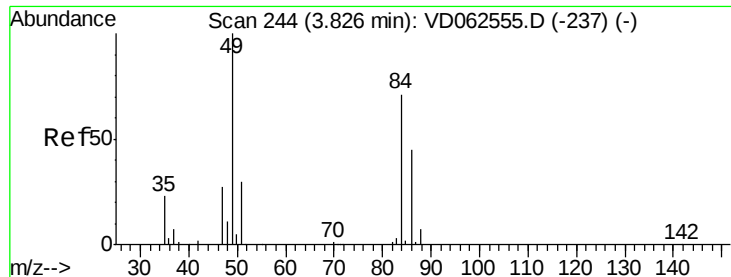
500

0

3.15 3.20 3.25 3.30

Time-->

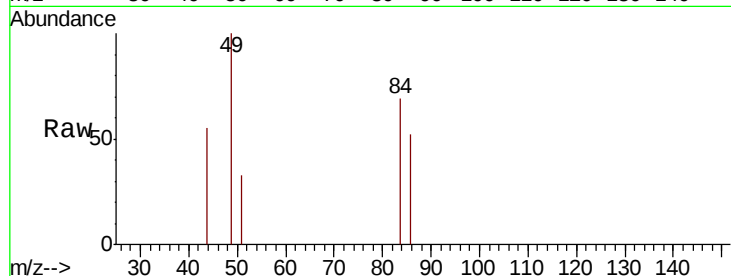




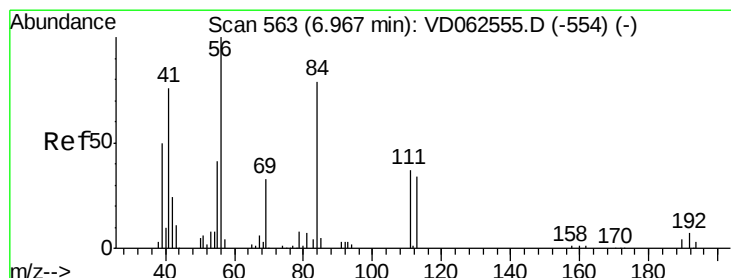
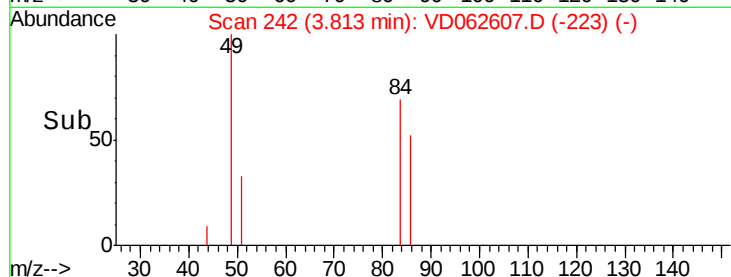
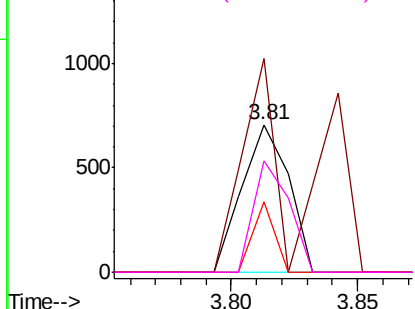
#20
Methvlene Chloride
Concen: 1.988 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062607.D
Acq: 4 Jun 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 911
Ion Ratio Lower Upper
84 100
49 145.0 112.3 168.5
51 47.6 33.6 50.4
86 75.6 50.4 75.6#

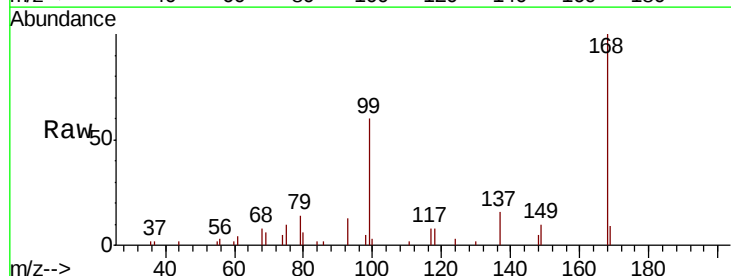


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

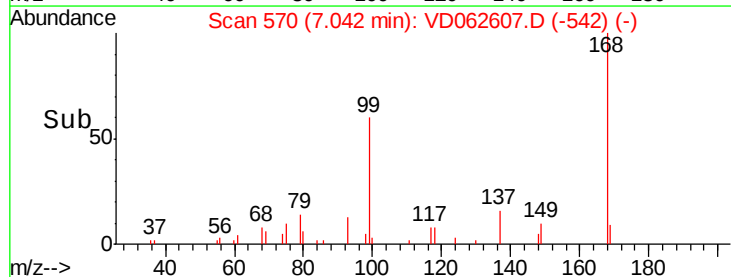
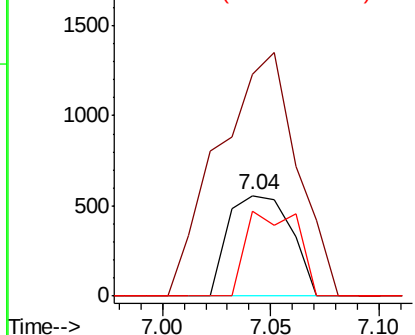


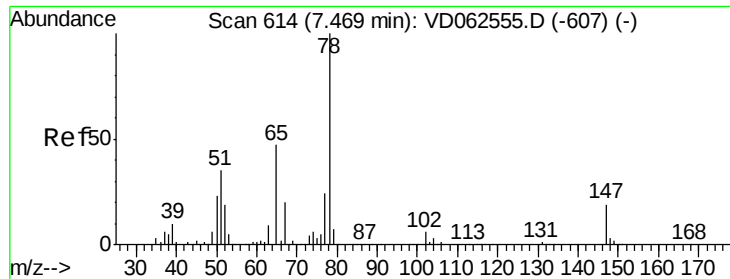
#31
Cyclohexane
Concen: 1.924 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD062607.D
Acq: 4 Jun 2019 19:20

Tgt Ion: 56 Resp: 1126
Ion Ratio Lower Upper
56 100
69 221.6 26.2 39.2#
84 84.2 65.2 97.8



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: 130.968 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

Instrument :

MSVOA_D

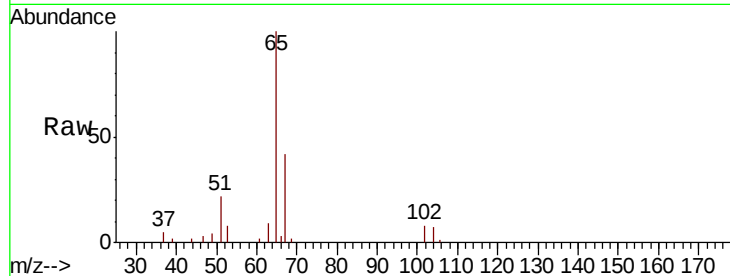
ClientSampleId :

Tot Ion: 65 Resp: 82513

Ion Ratio Lower Upper

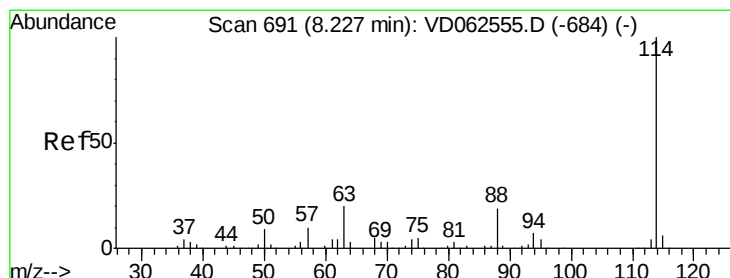
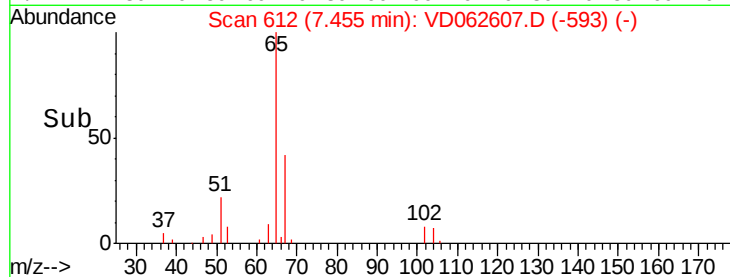
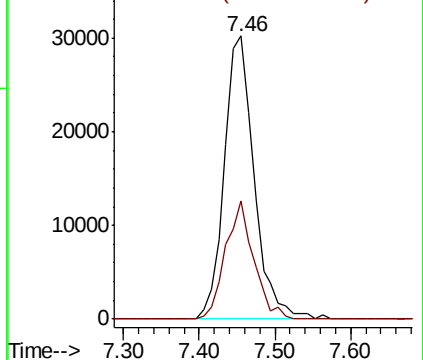
65 100

67 41.8 0.0 83.6



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: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

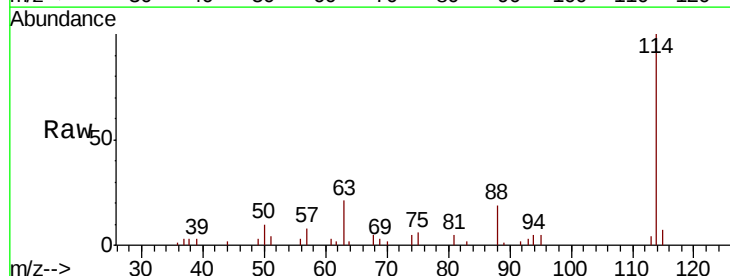
Tgt Ion: 114 Resp: 78456

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

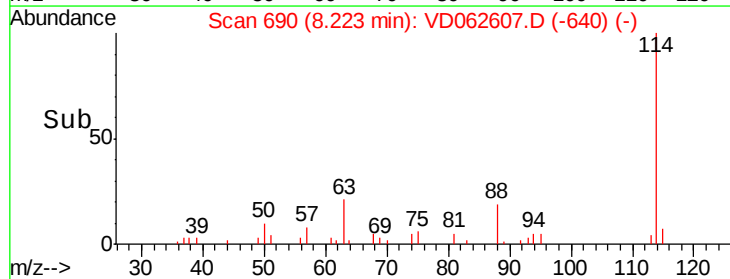
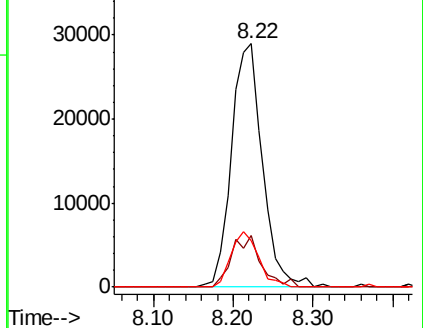
88 19.3 0.0 37.6

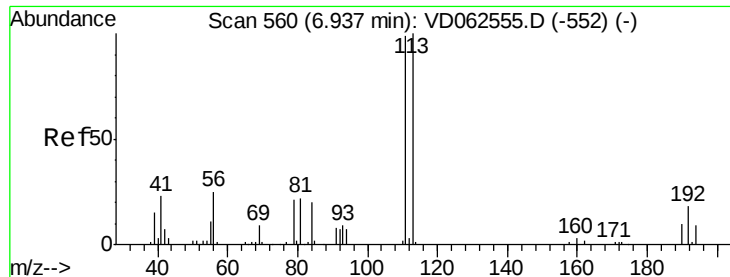


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 84.424 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :

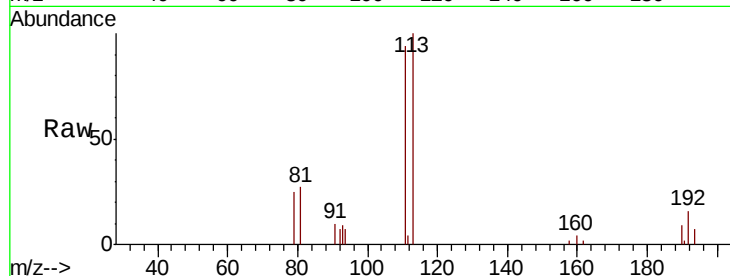
Tot Ion:113 Resp: 60358

Ion Ratio Lower Upper

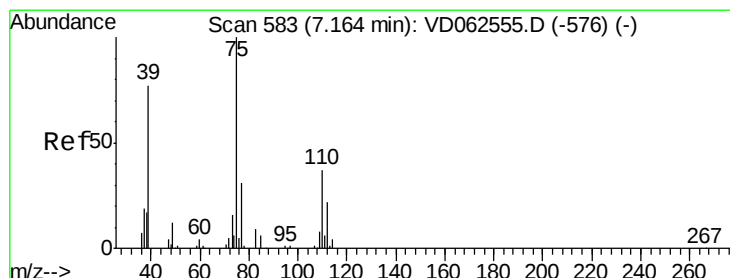
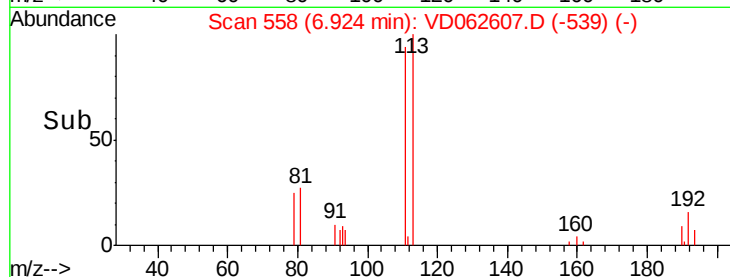
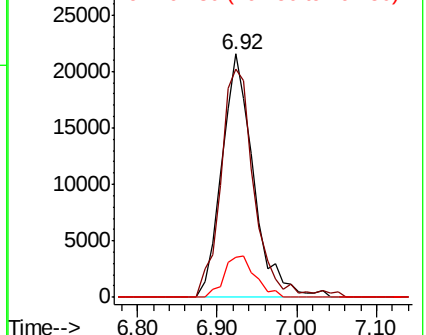
113 100

111 93.8 78.8 118.2

192 16.3 14.6 22.0



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: 6.028 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

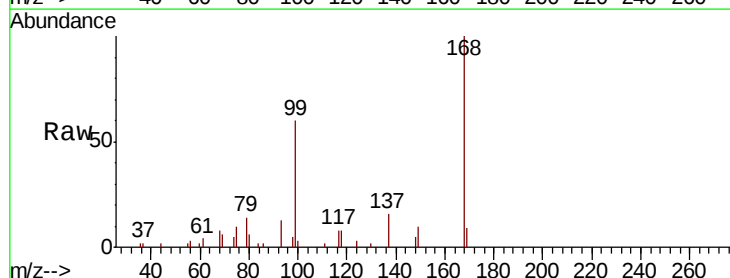
Tgt Ion: 75 Resp: 4708

Ion Ratio Lower Upper

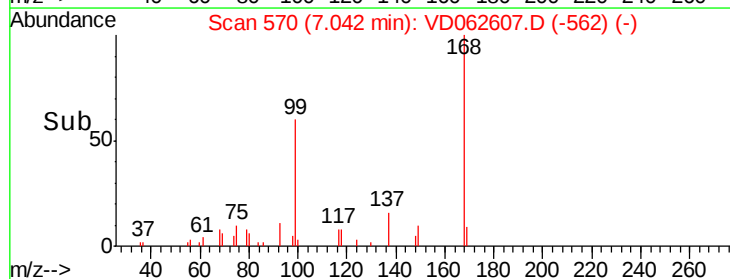
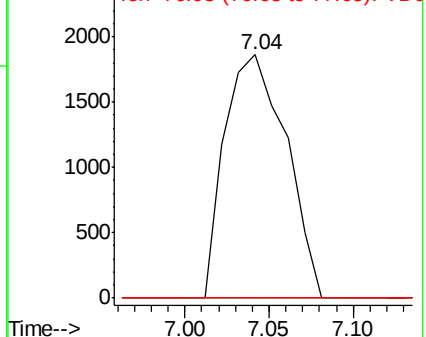
75 100

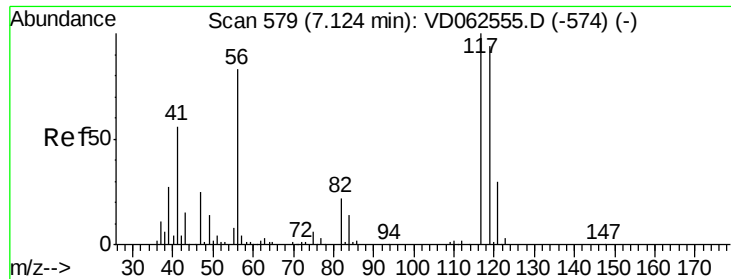
110 0.0 18.3 54.8#

77 0.0 24.4 36.6#



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

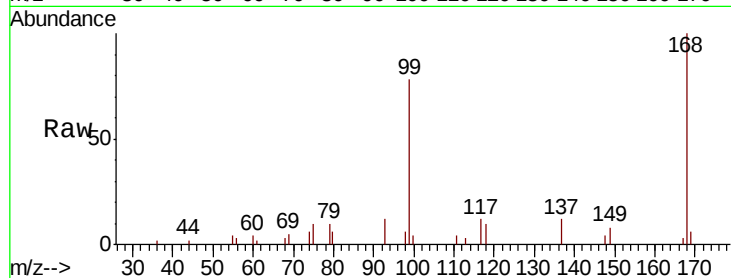




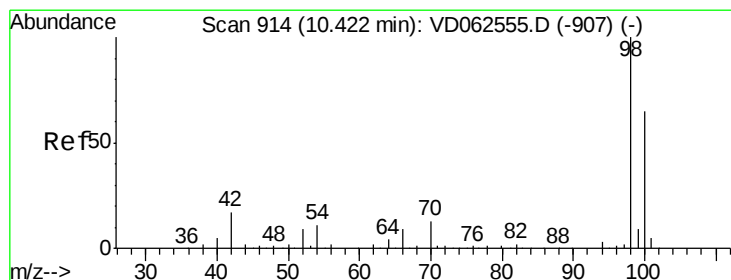
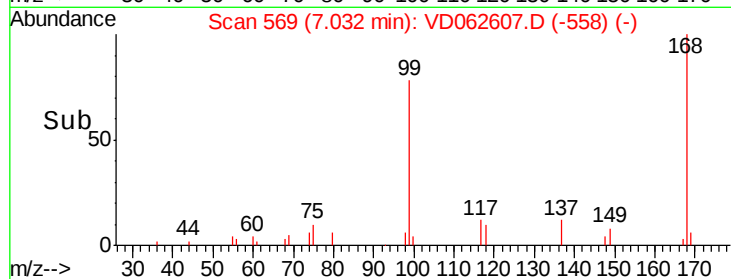
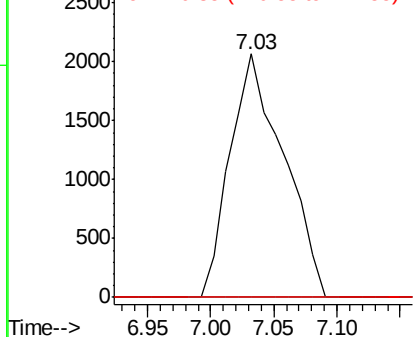
#38
Carbon Tetrachloride
Concen: 5.224 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.09 min
Lab File: VD062607.D
Acq: 4 Jun 2019 19:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 6074
Ion Ratio Lower Upper
117 100
119 0.0 71.4 107.2#
121 0.0 22.5 33.7#

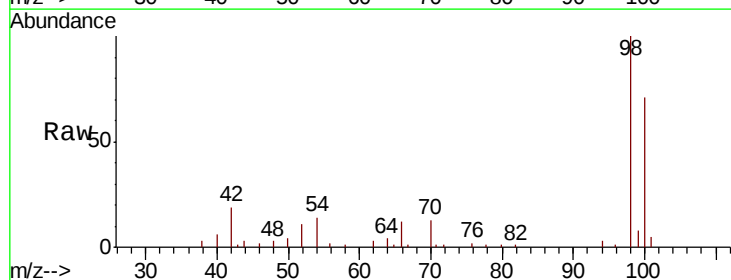


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

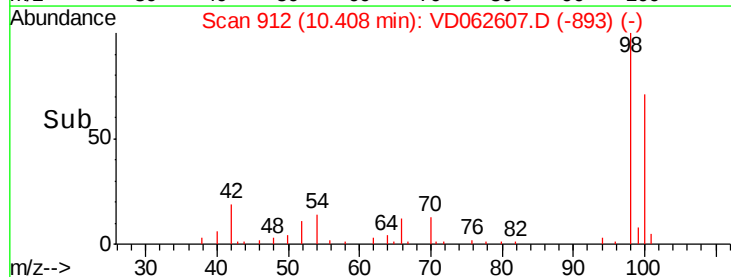
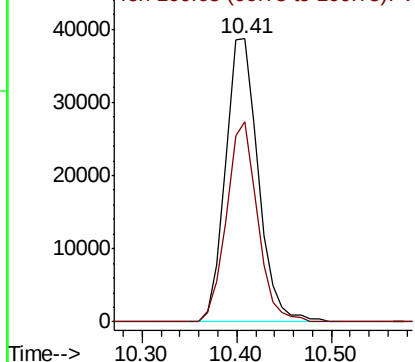


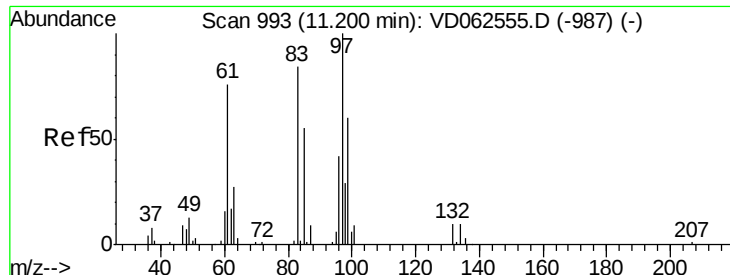
#50
Toluene-d8
Concen: 59.159 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062607.D
Acq: 4 Jun 2019 19:20

Tgt Ion: 98 Resp: 92669
Ion Ratio Lower Upper
98 100
100 70.7 52.3 78.5



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

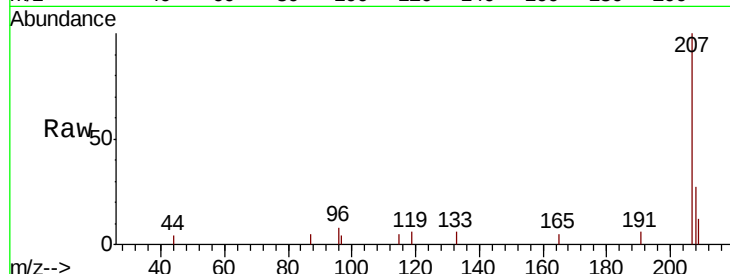




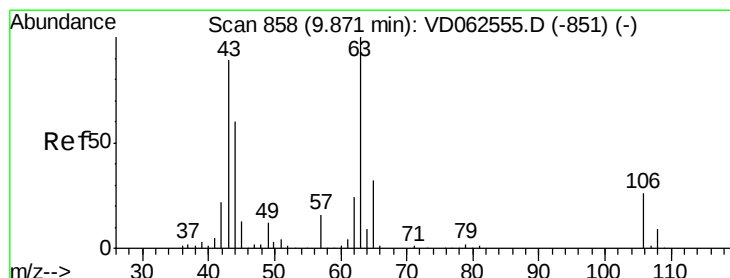
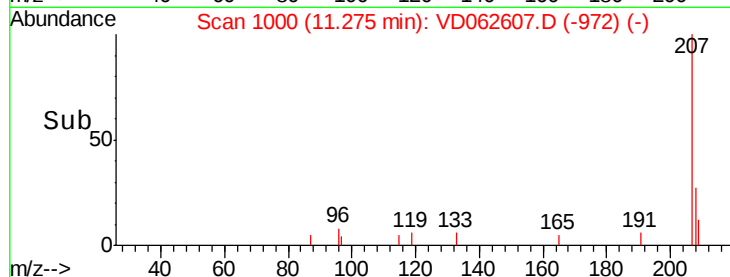
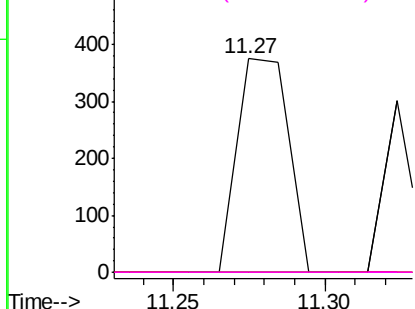
#55
 1,1,2-Trichloroethane
 Concen: 1.279 ug/l
 RT: 11.27 min Scan# 1000
 Delta R.T. 0.07 min
 Lab File: VD062607.D
 Acq: 4 Jun 2019 19:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 439
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.3 100.9#
 85 0.0 43.8 65.8#
 99 0.0 48.2 72.2#

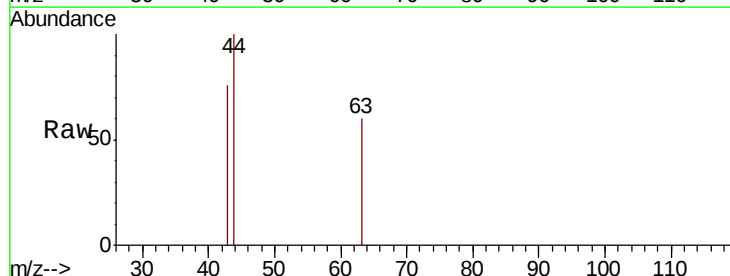


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

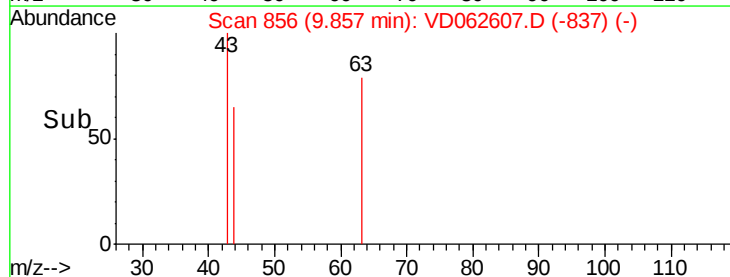
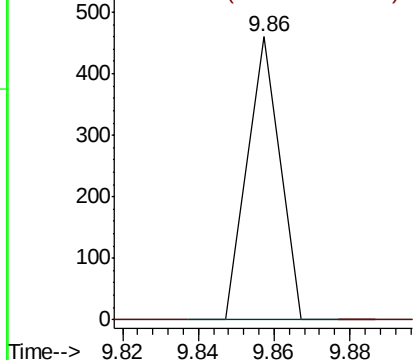


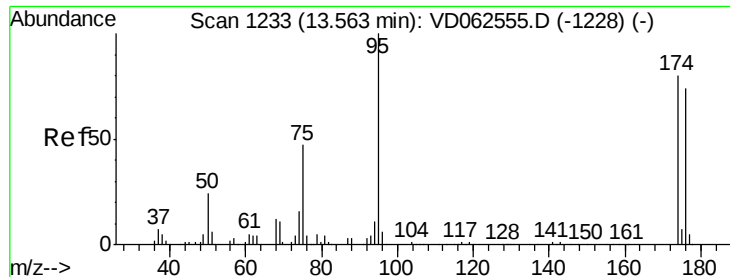
#58
 2-Chloroethyl Vinyl ether
 Concen: 1.450 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD062607.D
 Acq: 4 Jun 2019 19:20

Tgt Ion: 63 Resp: 272
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.4#



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

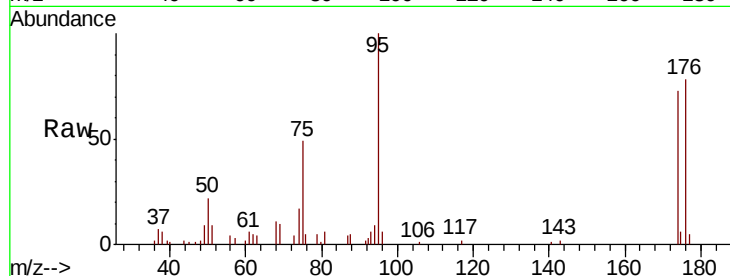




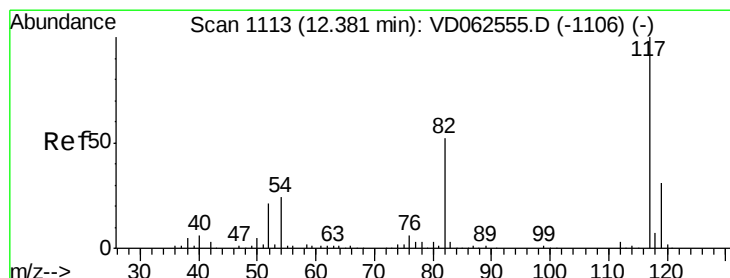
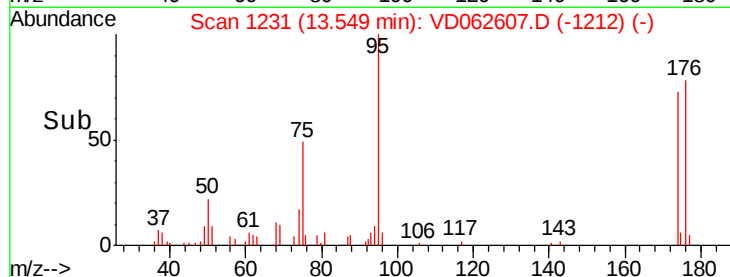
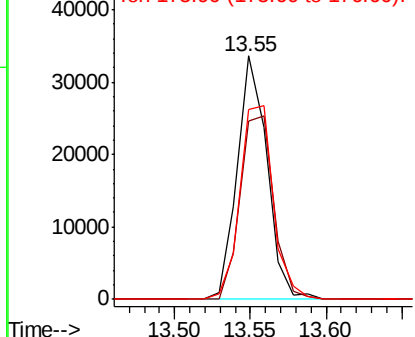
#62
4-Bromofluorobenzene
Concen: 64.968 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062607.D
Acq: 4 Jun 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 45895
Ion Ratio Lower Upper
95 100
174 73.2 0.0 160.2
176 77.7 0.0 148.0

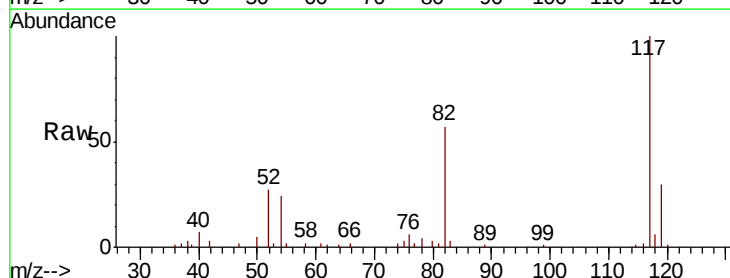


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

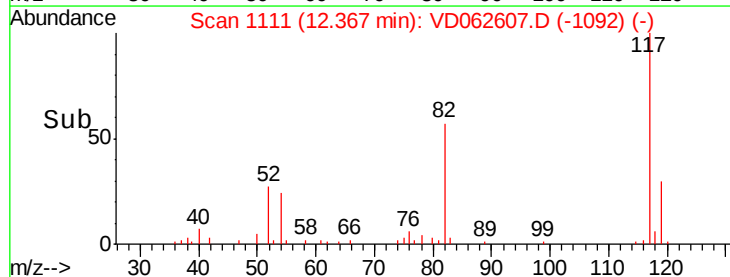
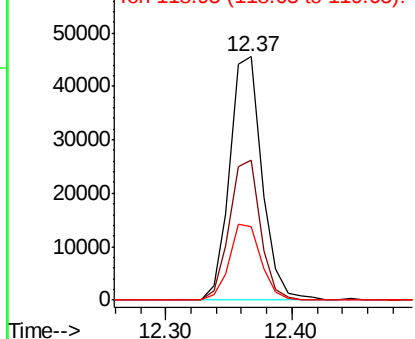


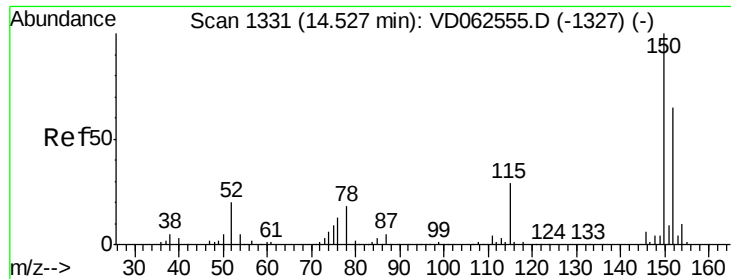
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062607.D
Acq: 4 Jun 2019 19:20

Tgt Ion: 117 Resp: 80432
Ion Ratio Lower Upper
117 100
82 57.4 41.4 62.2
119 30.1 24.9 37.3



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

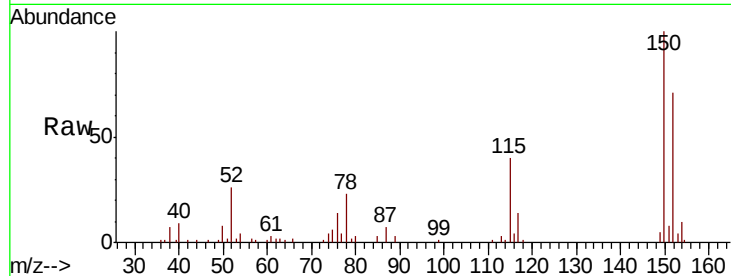
Tot Ion:152 Resp: 40996

Ion Ratio Lower Upper

152 100

115 55.9 28.4 85.3

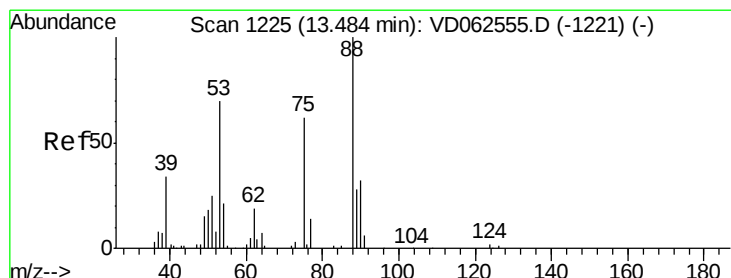
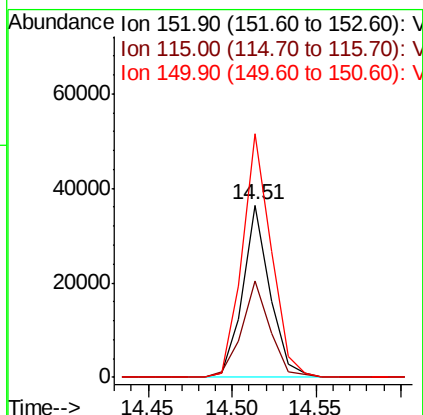
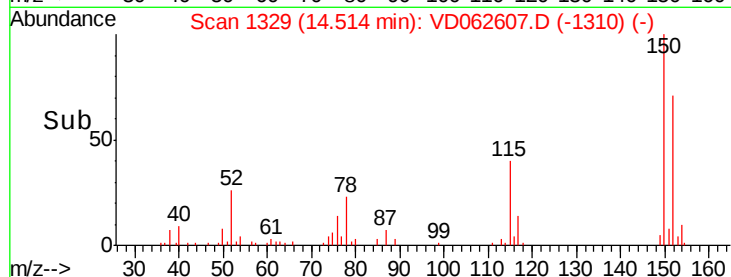
150 141.2 0.0 310.4



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: 160.284 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062607.D

Acq: 4 Jun 2019 19:20

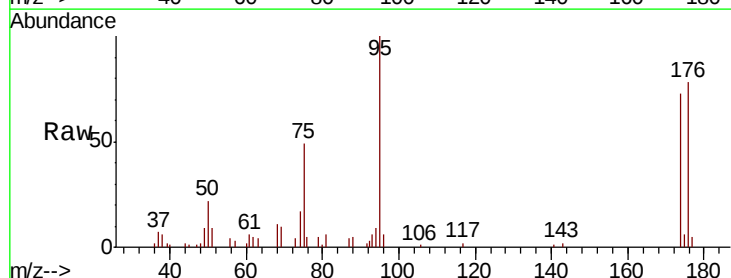
Tgt Ion: 75 Resp: 22589

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

89 0.0 36.9 55.3#



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

