

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062576.D
 Acq On : 31 May 2019 20:52
 Operator : VA/AP
 Sample : K2639-07RE
 Misc : 6.14g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-053019-B

Quant Time: May 31 23:29:27 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	7.06	168	525519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	735942	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	555582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	244033	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	308051	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	6.94	113	291335	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	
50) Toluene-d8	10.42	98	494020	33.62	ug/l	0.00
Spiked Amount			Recovery	=	67.24%	
62) 4-Bromofluorobenzene	13.56	95	226104	34.12	ug/l	0.00
Spiked Amount			Recovery	=	68.24%	

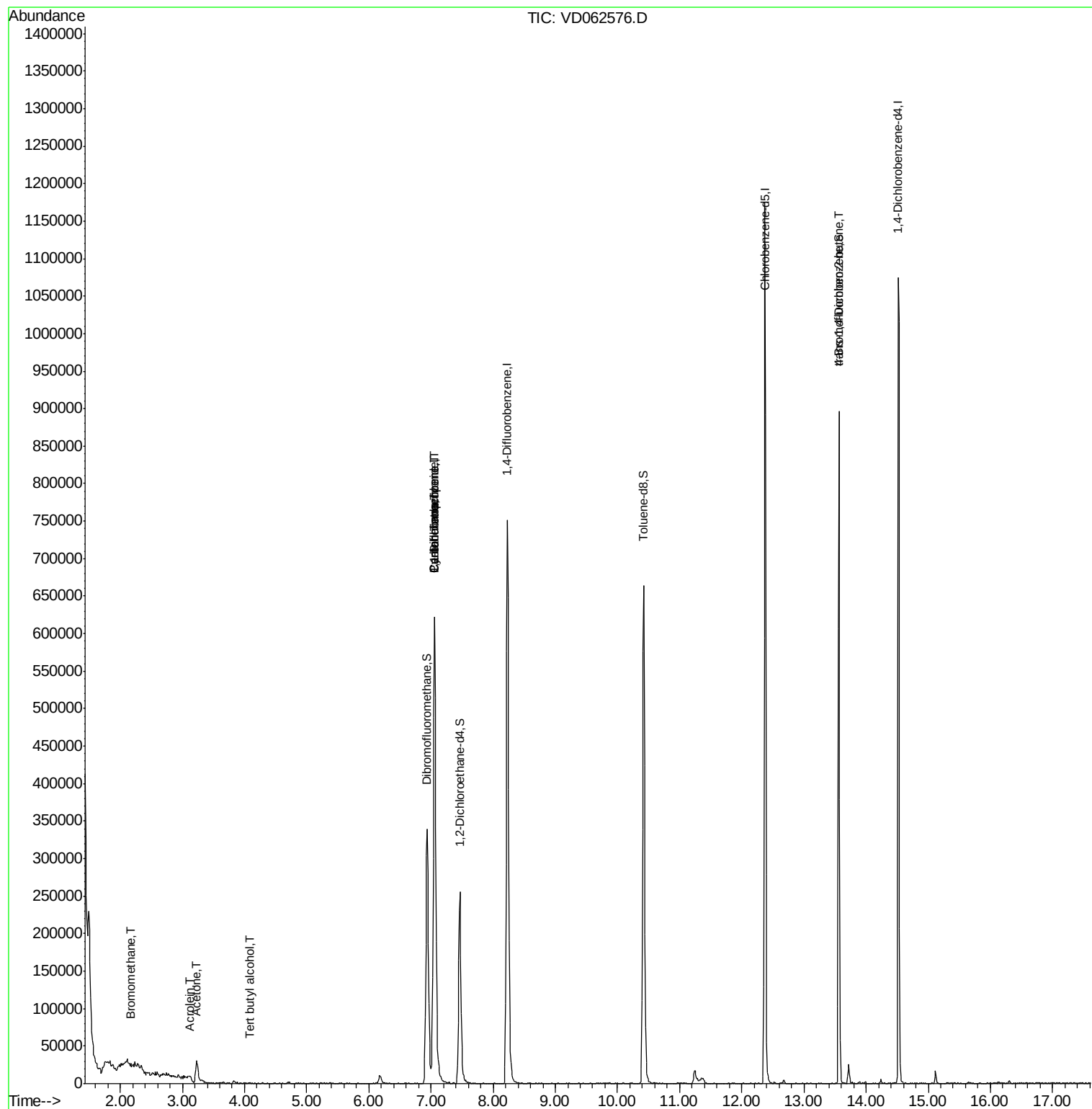
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	1117	Below Cal	#	43
5) Bromomethane	2.17	94	2577	1.704	ug/l #	12
11) Tert butyl alcohol	4.09	59	682	2.595	ug/l #	80
13) Acrolein	3.12	56	216	1.886	ug/l #	10
16) Acetone	3.24	43	62659	51.755	ug/l #	90
31) Cyclohexane	7.05	56	13943	2.436	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	45887	6.264	ug/l #	47
38) Carbon Tetrachloride	7.06	117	58339	5.349	ug/l #	20
81) trans-1,4-Dichloro-2-buten	13.56	75	120766	143.957	ug/l #	5

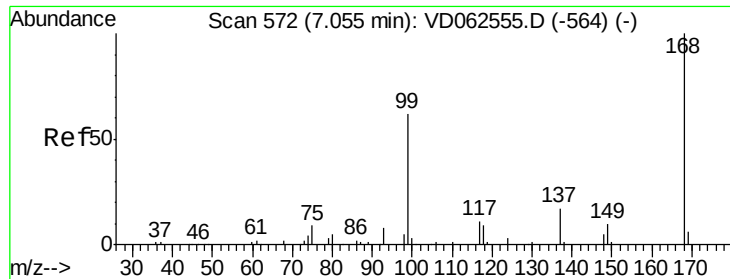
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

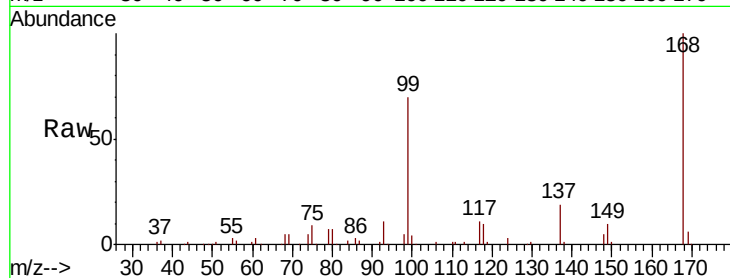
NB-07-053019-B

Tot Ion:168 Resp: 525519

Ion Ratio Lower Upper

168 100

99 70.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

150000

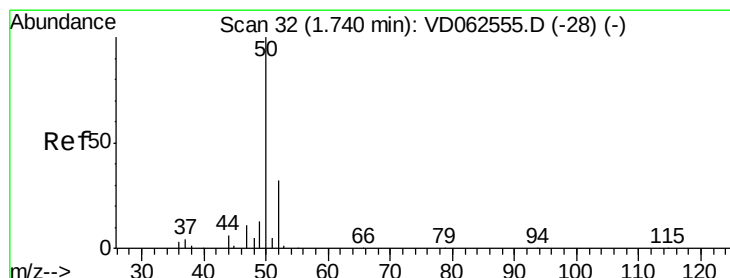
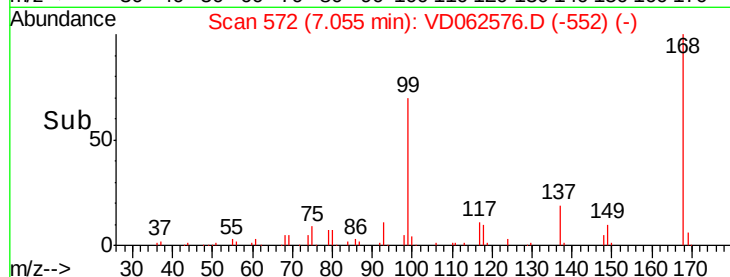
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062576.D

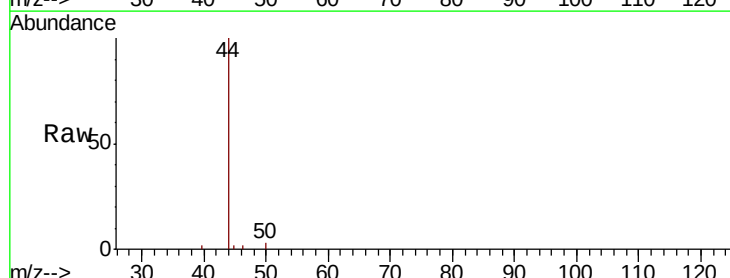
Acq: 31 May 2019 20:52

Tgt Ion: 50 Resp: 1117

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

1.75

800

600

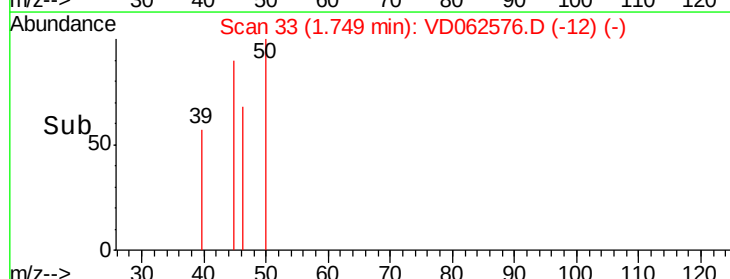
400

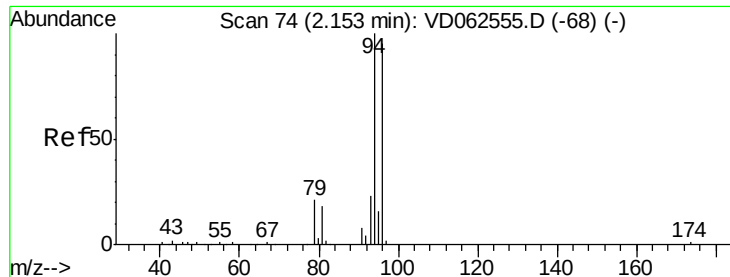
200

0

1.75 1.80

Time-->





#5

Bromomethane

Concen: 1.704 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

NB-07-053019-B

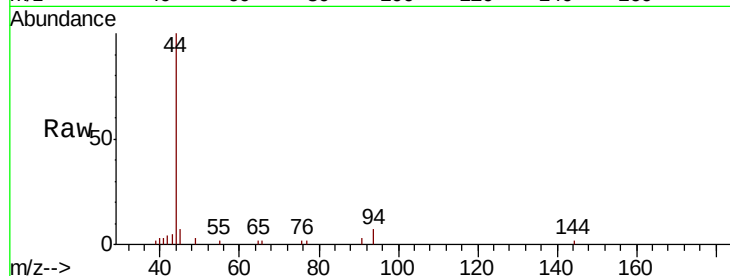
Tot Ion: 94 Resp: 2577

Ion Ratio Lower Upper

94 100

96 0.0 76.2 114.4#

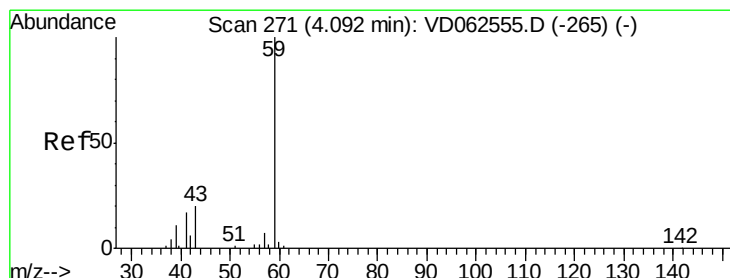
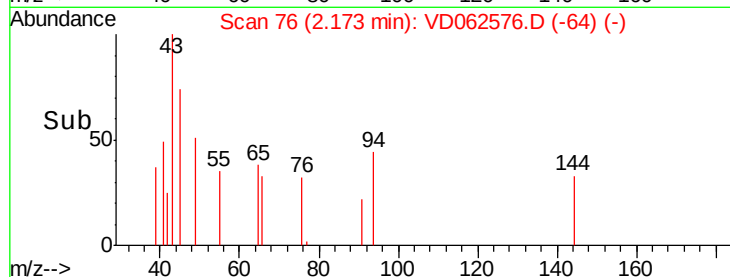
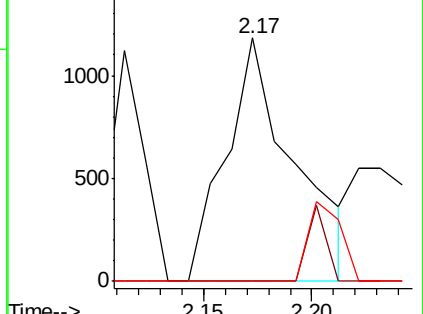
93 0.0 18.4 27.6#



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



#11

Tert butyl alcohol

Concen: 2.595 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD062576.D

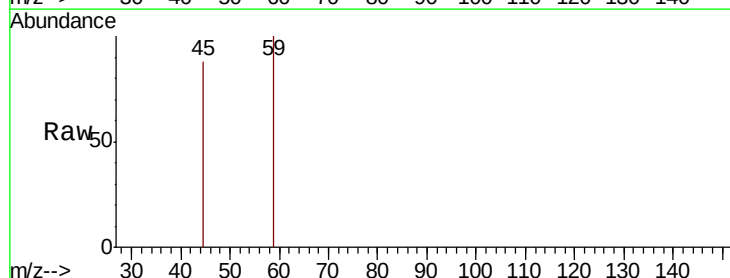
Acq: 31 May 2019 20:52

Tgt Ion: 59 Resp: 682

Ion Ratio Lower Upper

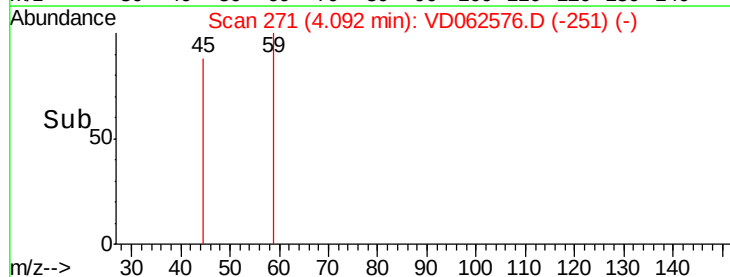
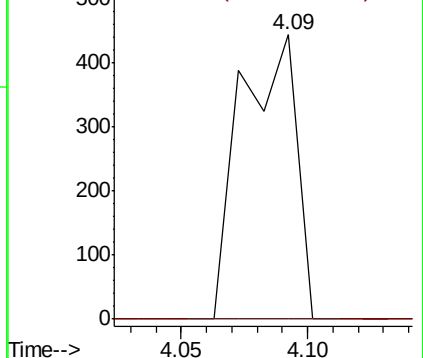
59 100

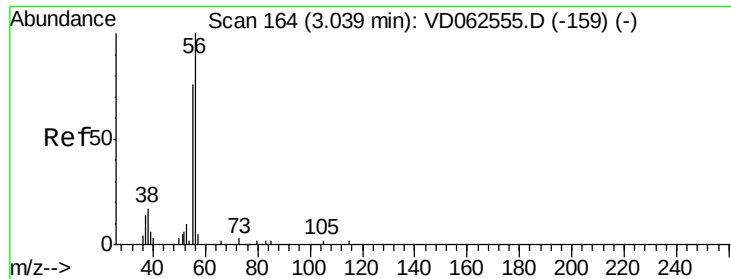
57 0.0 5.4 8.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.886 ug/l

RT: 3.12 min Scan# 172

Delta R.T. 0.08 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

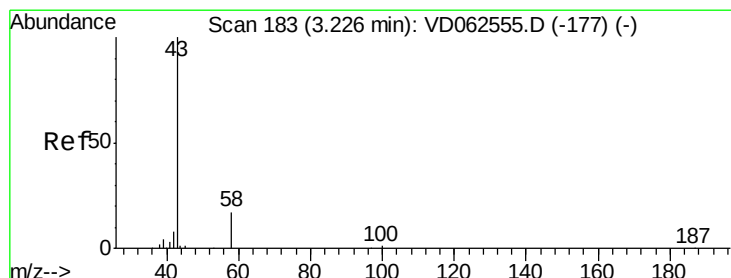
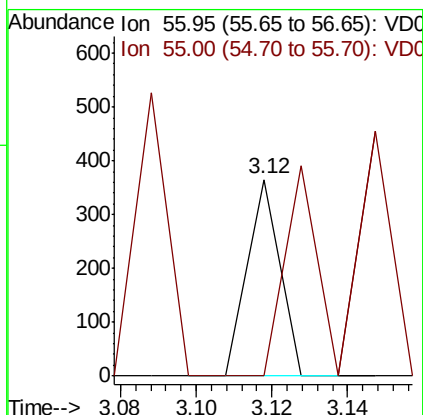
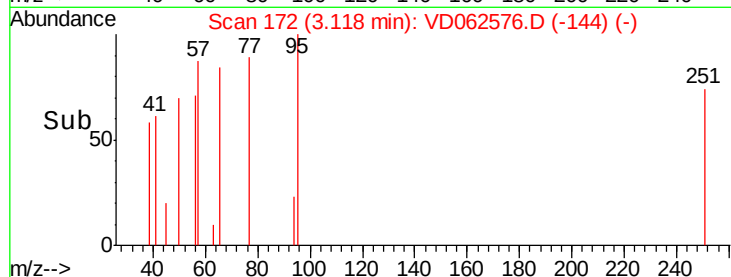
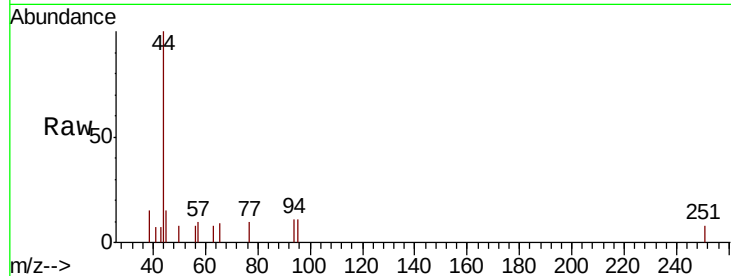
NB-07-053019-B

Tot Ion: 56 Resp: 216

Ion Ratio Lower Upper

56 100

55 0.0 62.6 93.8#



#16

Acetone

Concen: 51.755 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062576.D

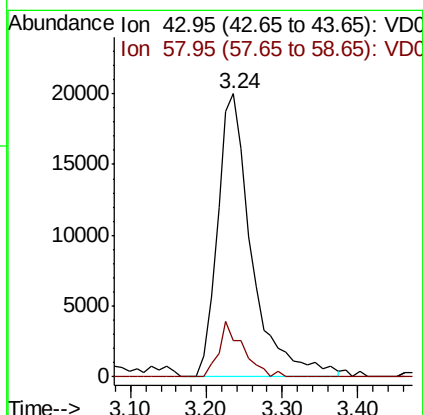
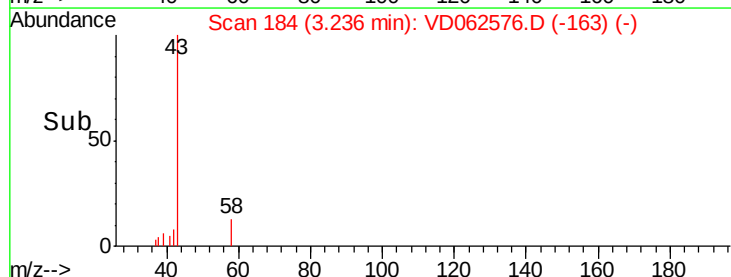
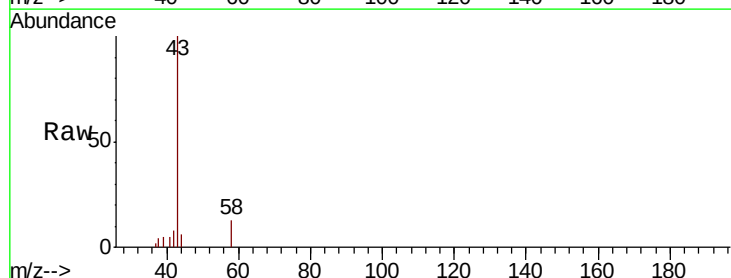
Acq: 31 May 2019 20:52

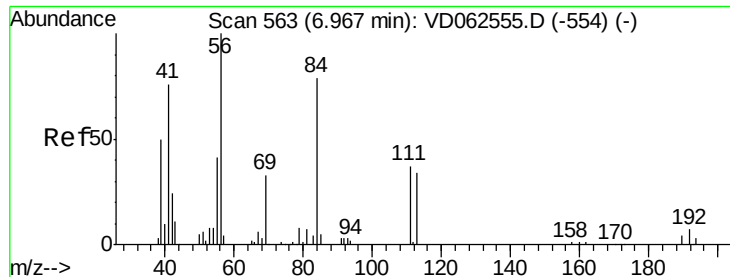
Tgt Ion: 43 Resp: 62659

Ion Ratio Lower Upper

43 100

58 12.8 13.8 20.8#





#31

Cyclohexane

Concen: 2.436 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

NB-07-053019-B

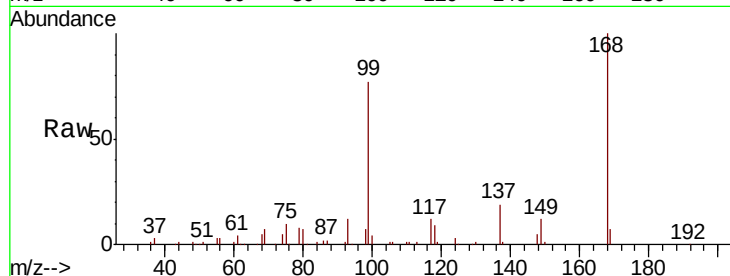
Tot Ion: 56 Resp: 13943

Ion Ratio Lower Upper

56 100

69 196.1 26.2 39.2#

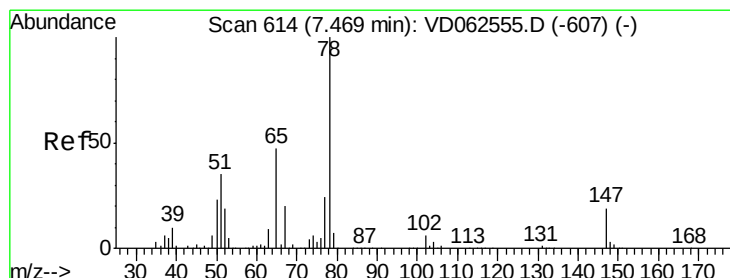
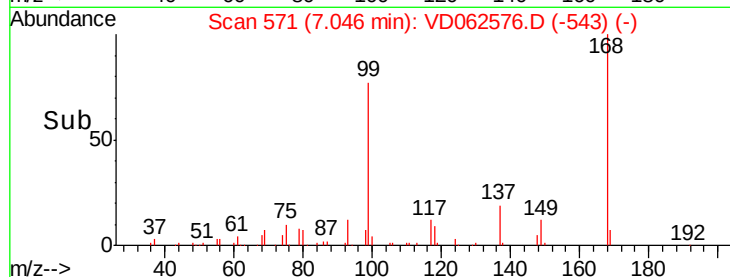
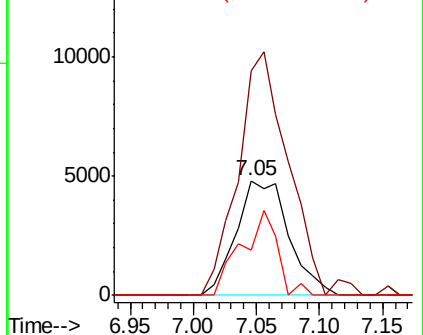
84 39.3 65.2 97.8#



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: 49.993 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062576.D

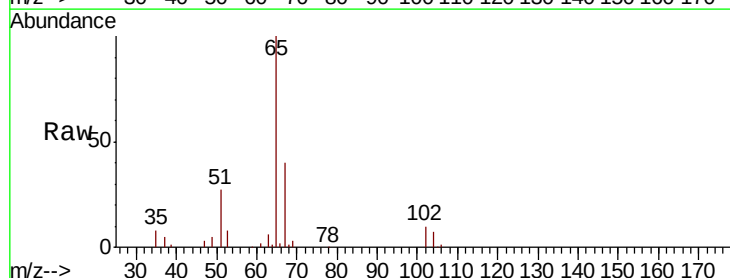
Acq: 31 May 2019 20:52

Tgt Ion: 65 Resp: 308051

Ion Ratio Lower Upper

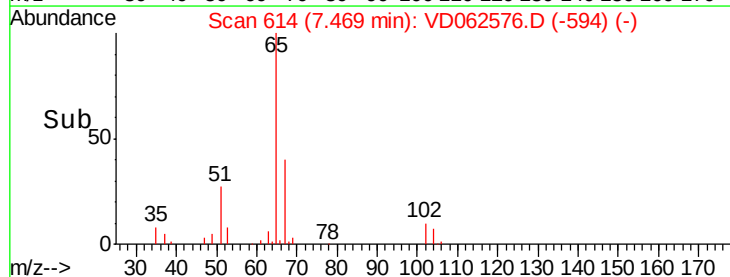
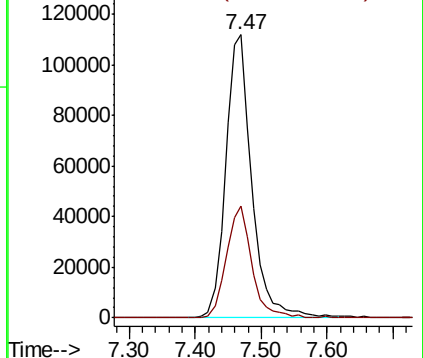
65 100

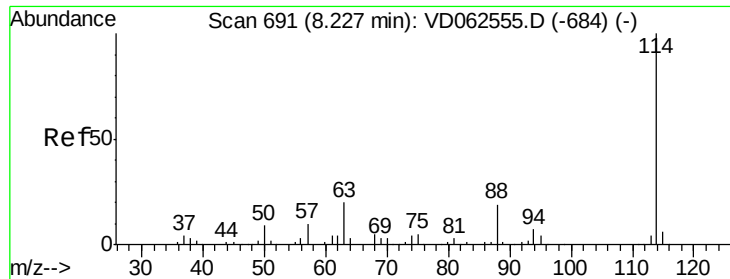
67 39.7 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

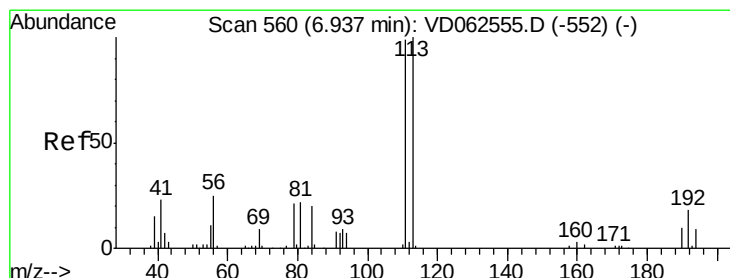
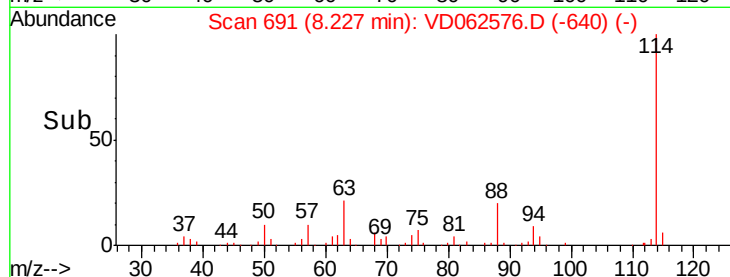
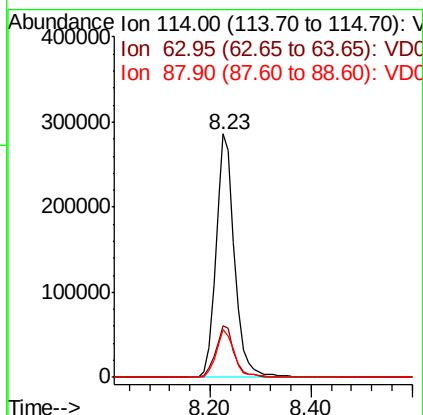
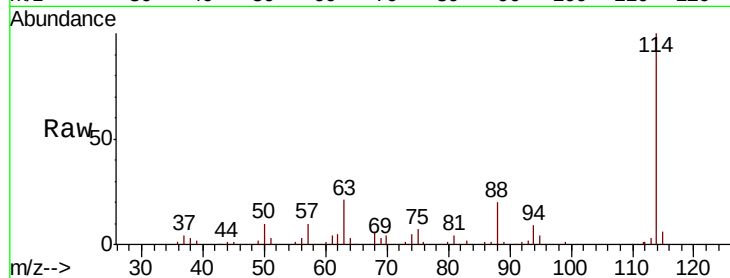




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062576.D
 Acq: 31 May 2019 20:52

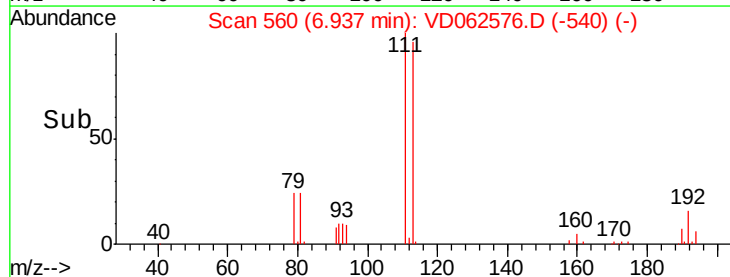
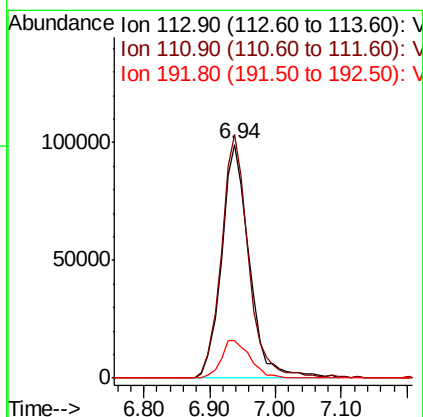
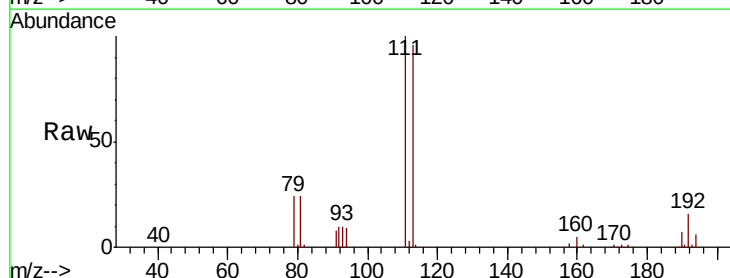
Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-053019-B

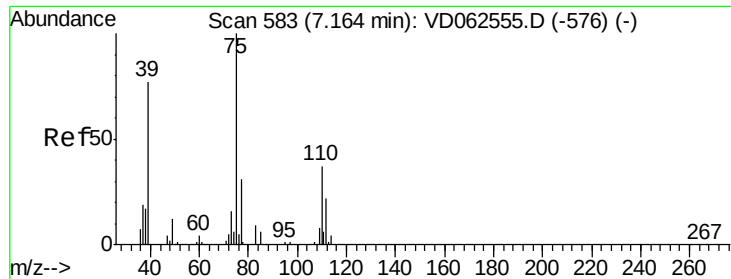
Tot Ion:114 Resp: 735942
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.6
 88 19.6 0.0 37.6



#35
 Dibromofluoromethane
 Concen: 43.442 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD062576.D
 Acq: 31 May 2019 20:52

Tgt Ion:113 Resp: 291335
 Ion Ratio Lower Upper
 113 100
 111 104.3 78.8 118.2
 192 16.2 14.6 22.0





#36

1,1-Dichloropropene

Concen: 6.264 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

NB-07-053019-B

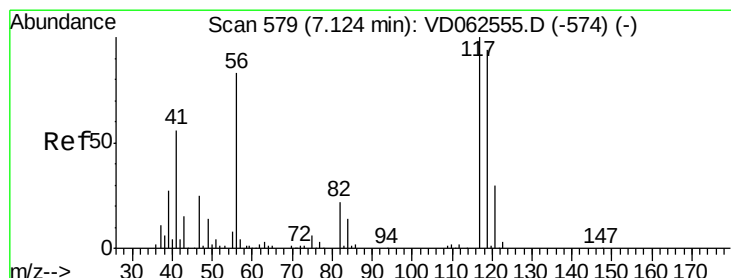
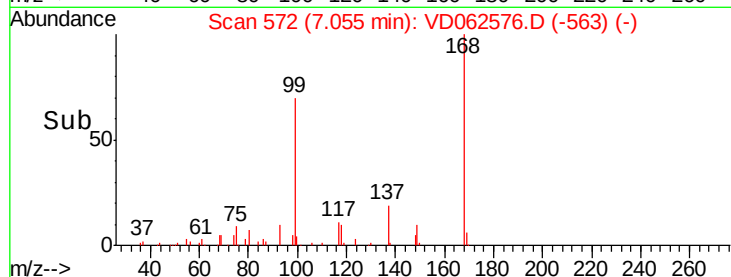
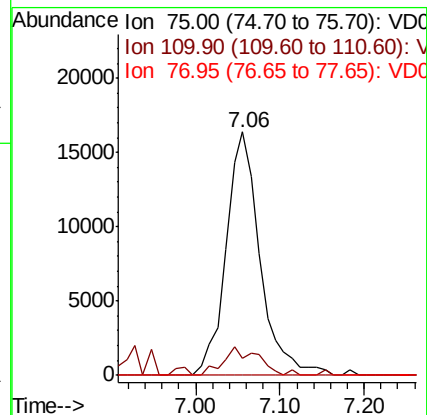
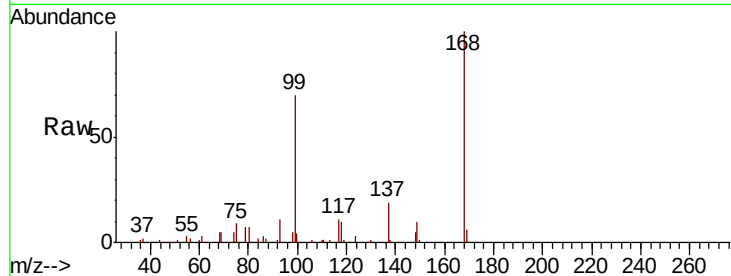
Tot Ion: 75 Resp: 45887

Ion Ratio Lower Upper

75 100

110 7.0 18.3 54.8#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.349 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

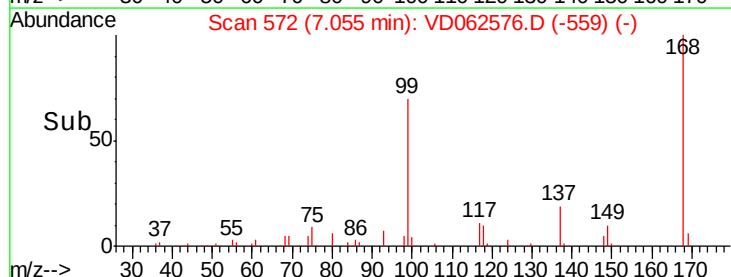
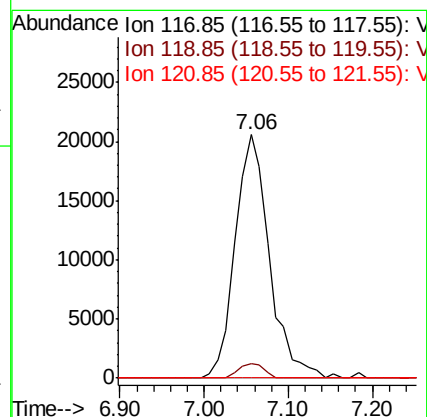
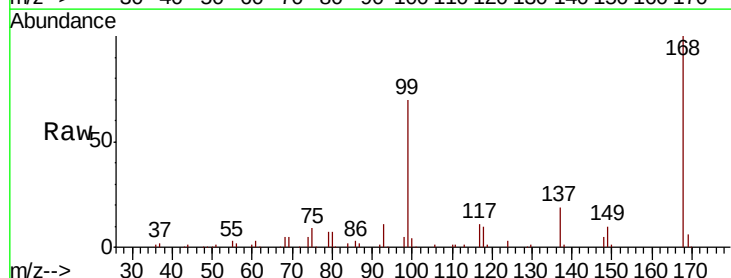
Tgt Ion: 117 Resp: 58339

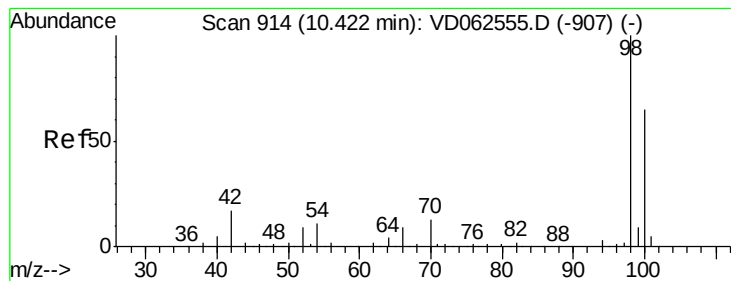
Ion Ratio Lower Upper

117 100

119 6.2 71.4 107.2#

121 0.0 22.5 33.7#





#50

Toluene-d8

Concen: 33.621 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

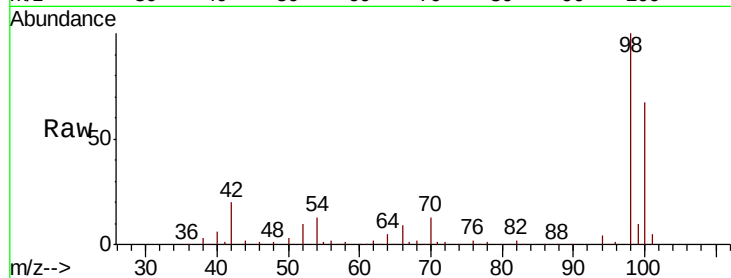
NB-07-053019-B

Tot Ion: 98 Resp: 494020

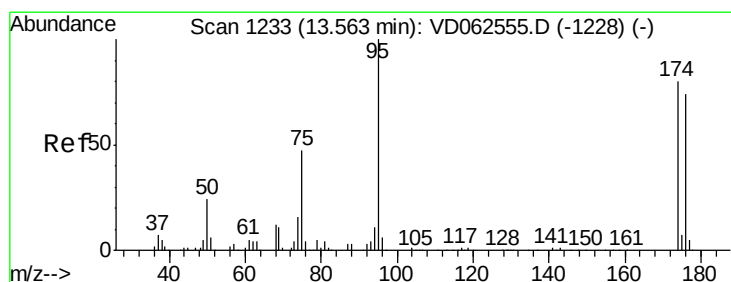
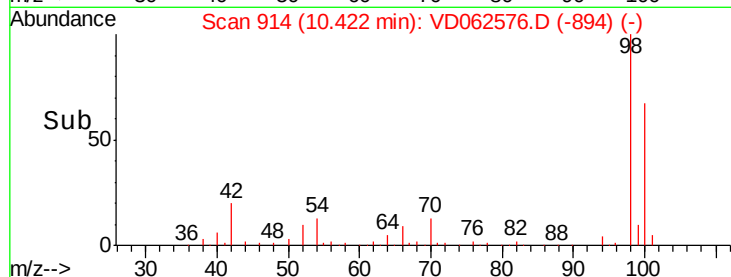
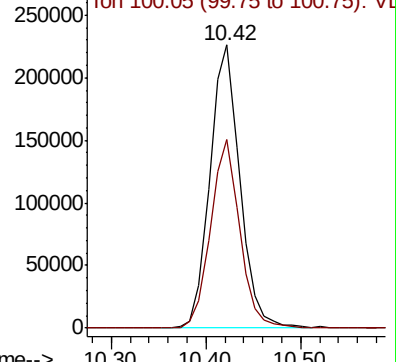
Ion Ratio Lower Upper

98 100

100 66.8 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): VD062555.D (-907) (-)



#62

4-Bromofluorobenzene

Concen: 34.121 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

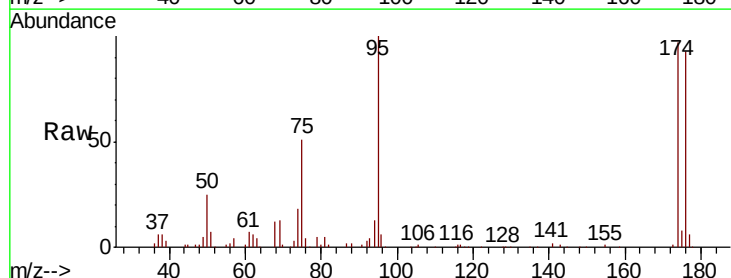
Tgt Ion: 95 Resp: 226104

Ion Ratio Lower Upper

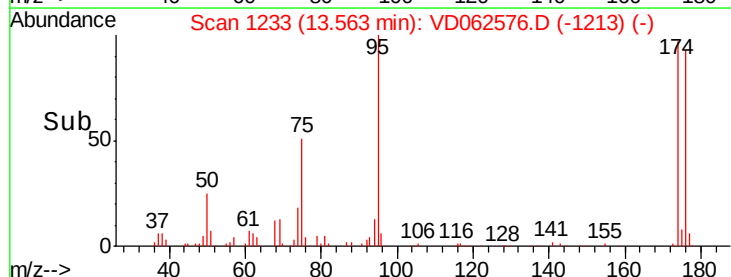
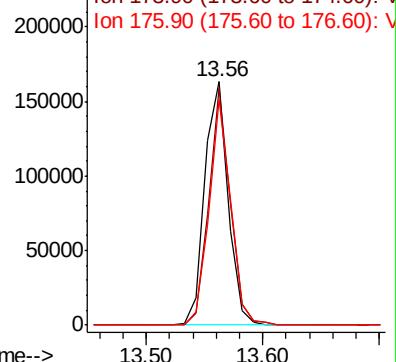
95 100

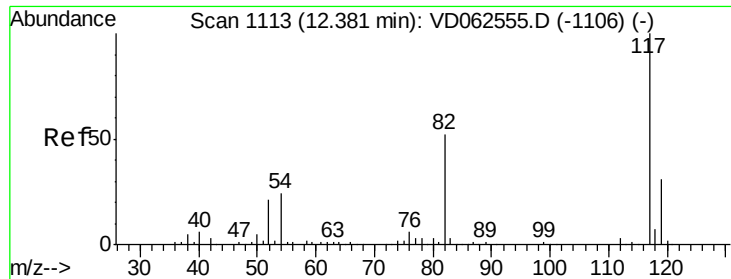
174 97.4 0.0 160.2

176 92.8 0.0 148.0



Abundance Ion 95.00 (94.70 to 95.70): VD062555.D (-1228) (-)

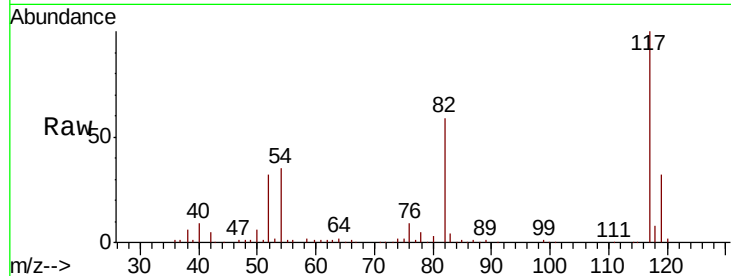




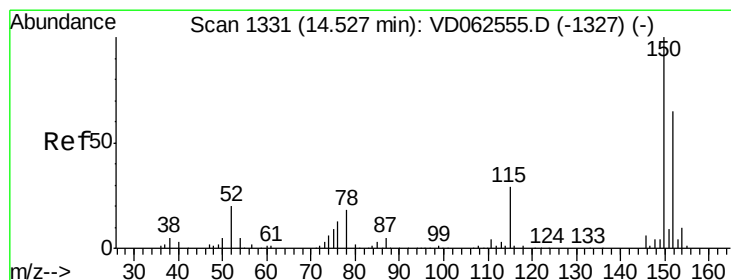
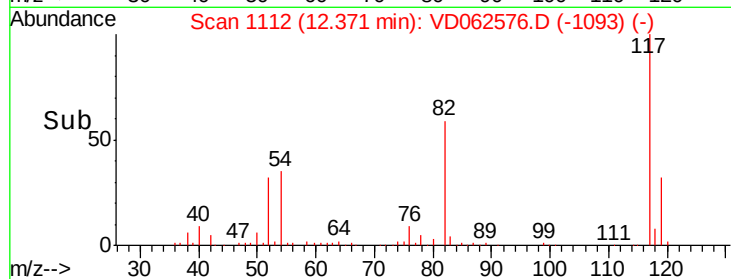
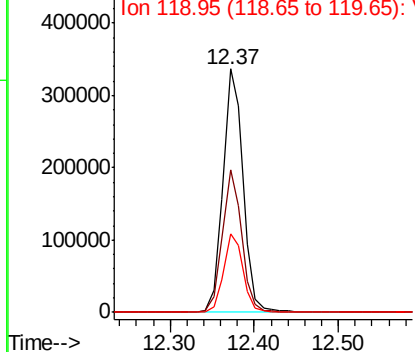
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062576.D
Acq: 31 May 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
NB-07-053019-B

Tot Ion:117 Resp: 555582
Ion Ratio Lower Upper
117 100
82 58.5 41.4 62.2
119 32.4 24.9 37.3

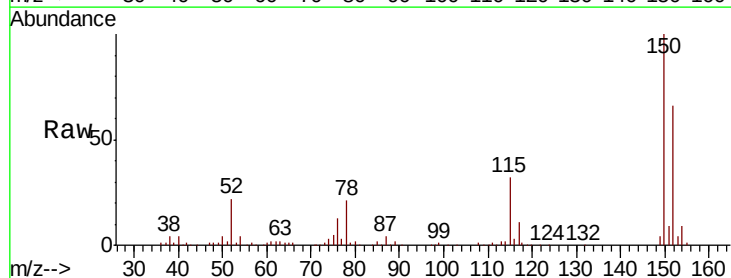


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

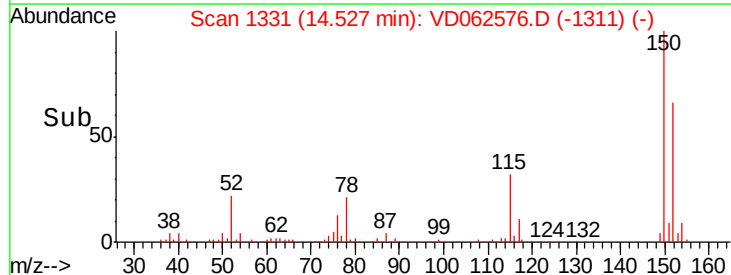
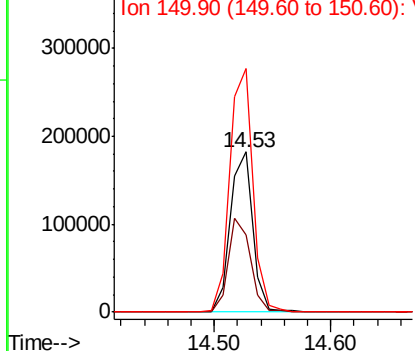


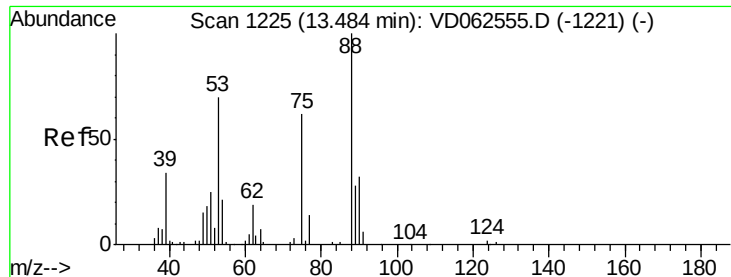
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD062576.D
Acq: 31 May 2019 20:52

Tgt Ion:152 Resp: 244033
Ion Ratio Lower Upper
152 100
115 48.0 28.4 85.3
150 151.9 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: 143.957 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062576.D

Acq: 31 May 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

NB-07-053019-B

Tot Ion: 75 Resp: 120766

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

89 0.0 36.9 55.3#

