

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062963.D
 Acq On : 28 Jun 2019 13:52
 Operator : VA/AP
 Sample : K3507-01RE
 Misc : 4.56g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-062619-A

Quant Time: Jun 29 00:14:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	708904	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	956658	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	749076	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	323883	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	437218	56.74	ug/l	-0.04
Spiked Amount			Recovery	=	113.48%	
35) Dibromofluoromethane	6.89	113	461600	57.22	ug/l	-0.04
Spiked Amount			Recovery	=	114.44%	
50) Toluene-d8	10.38	98	897398	51.12	ug/l	-0.03
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	13.54	95	357997	44.84	ug/l	-0.01
Spiked Amount			Recovery	=	89.68%	

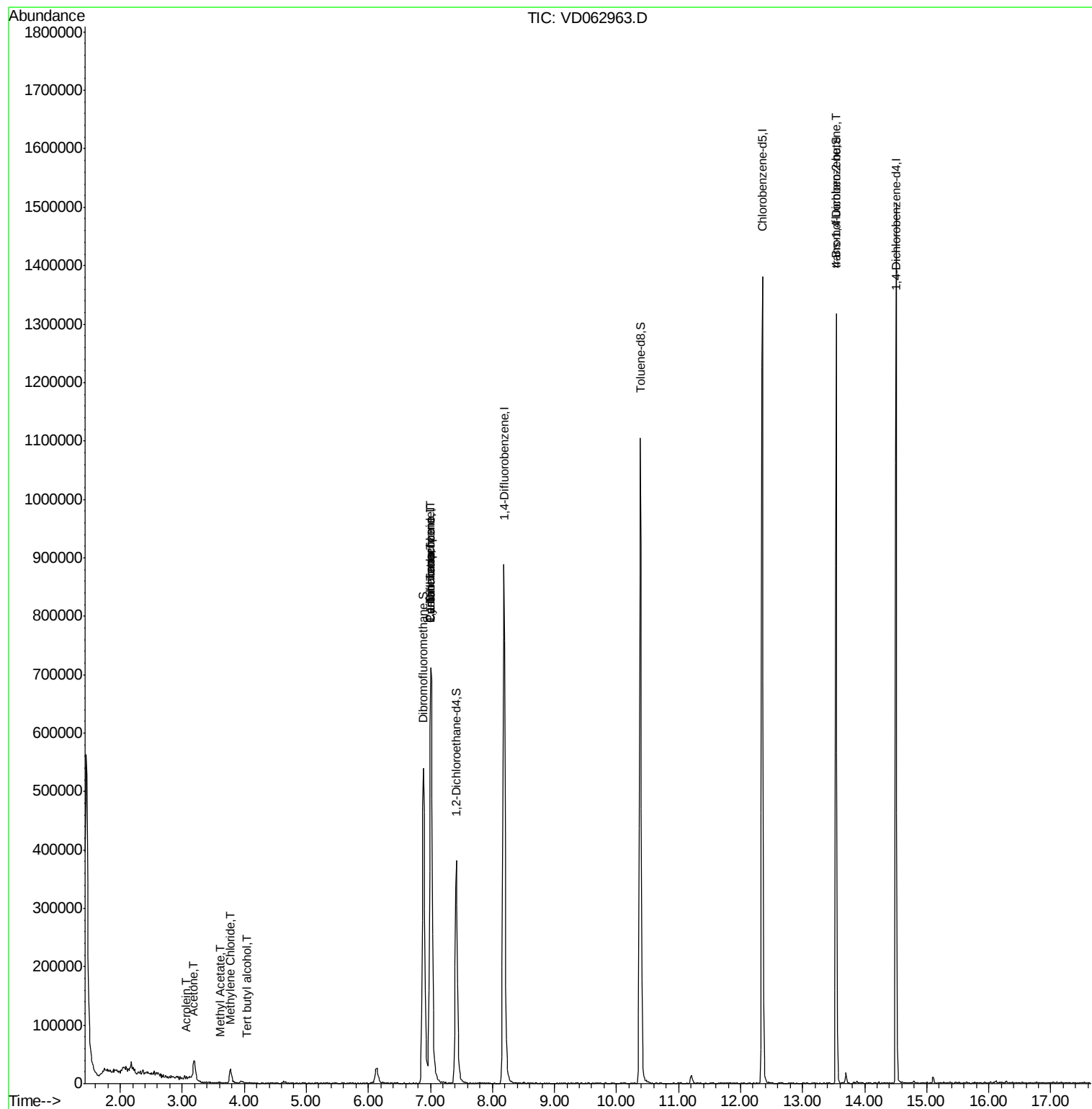
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.04	59	731	2.083	ug/l #	77
13) Acrolein	3.07	56	376	1.049	ug/l #	15
16) Acetone	3.19	43	76269	43.016	ug/l	99
18) Methyl Acetate	3.61	43	2851	1.226	ug/l #	58
20) Methylene Chloride	3.78	84	12795	2.177	ug/l #	90
31) Cyclohexane	7.01	56	17066	2.358	ug/l #	3
36) 1,1-Dichloropropene	7.01	75	57086	6.304	ug/l #	50
37) Ethyl Acetate	6.16	43	1139	Below Cal	#	69
38) Carbon Tetrachloride	7.01	117	72570	5.328	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.54	75	166678	170.091	ug/l #	2

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

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Quant Time: Jun 29 00:14:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062963.D

Acq: 28 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

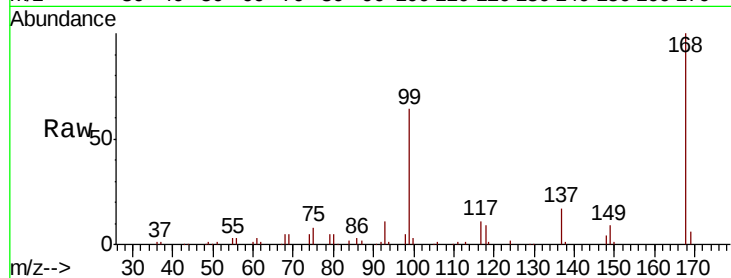
NB-07-062619-A

Tot Ion:168 Resp: 708904

Ion Ratio Lower Upper

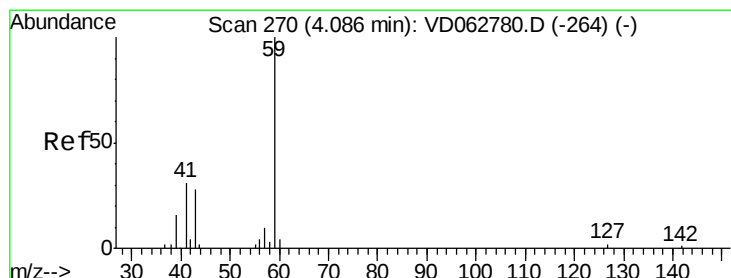
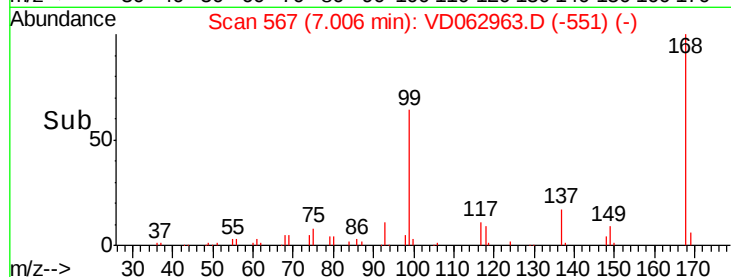
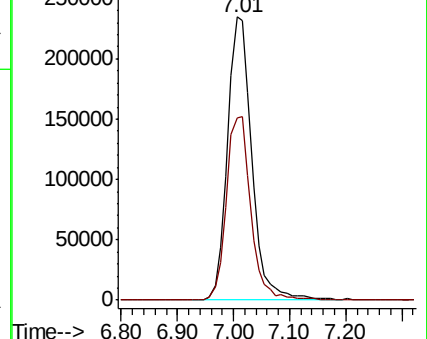
168 100

99 64.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.083 ug/l

RT: 4.04 min Scan# 266

Delta R.T. -0.04 min

Lab File: VD062963.D

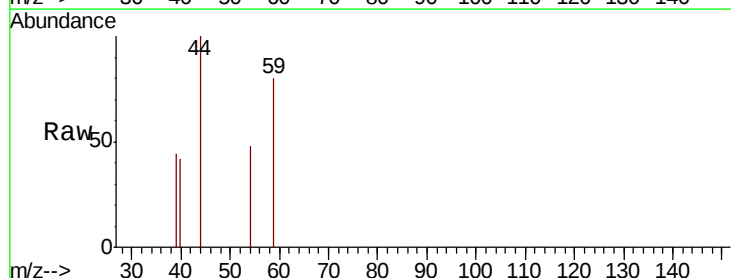
Acq: 28 Jun 2019 13:52

Tgt Ion: 59 Resp: 731

Ion Ratio Lower Upper

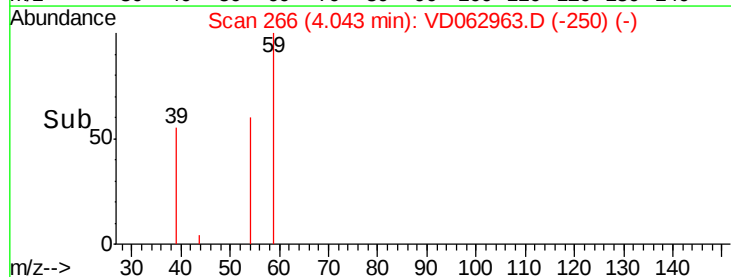
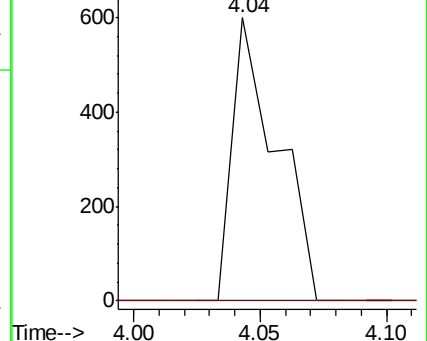
59 100

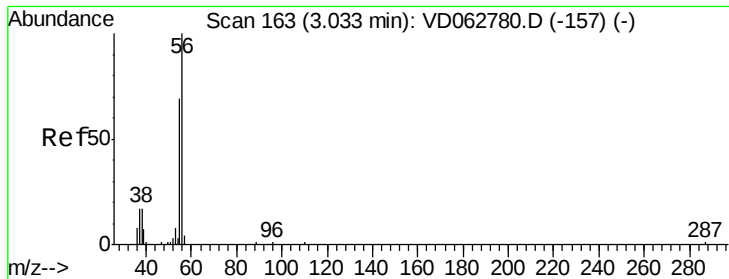
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.049 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.04 min

Lab File: VD062963.D

Acq: 28 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

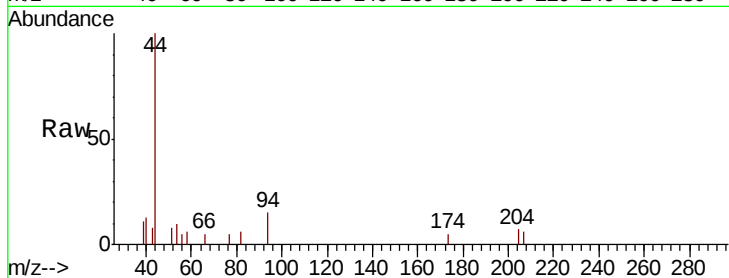
NB-07-062619-A

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

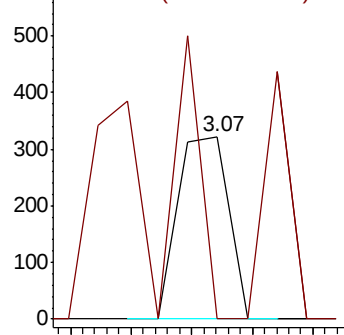
56 100

55 0.0 55.4 83.0#

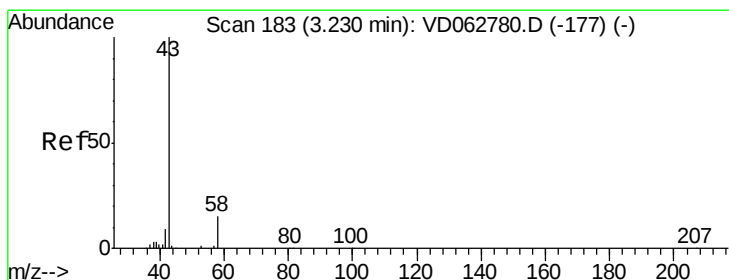
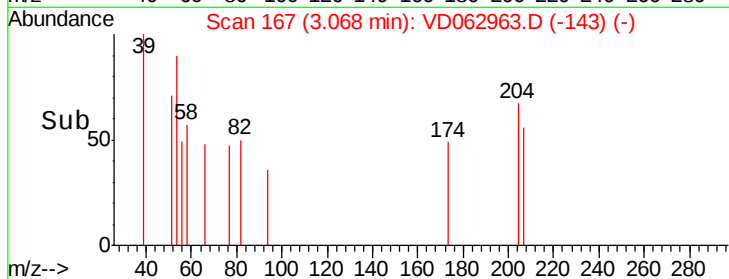


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#16

Acetone

Concen: 43.016 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.04 min

Lab File: VD062963.D

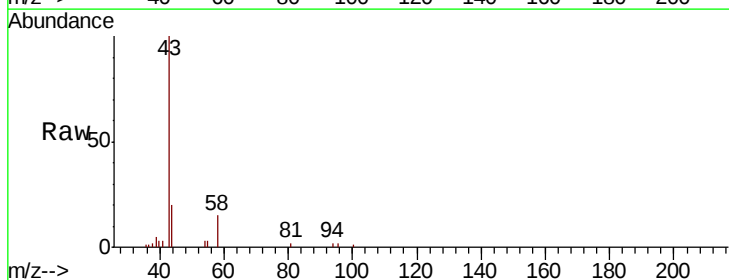
Acq: 28 Jun 2019 13:52

Tgt Ion: 43 Resp: 76269

Ion Ratio Lower Upper

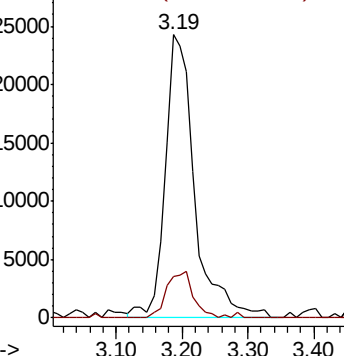
43 100

58 14.6 11.9 17.9

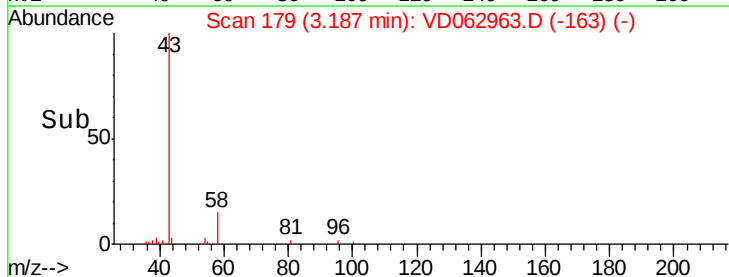


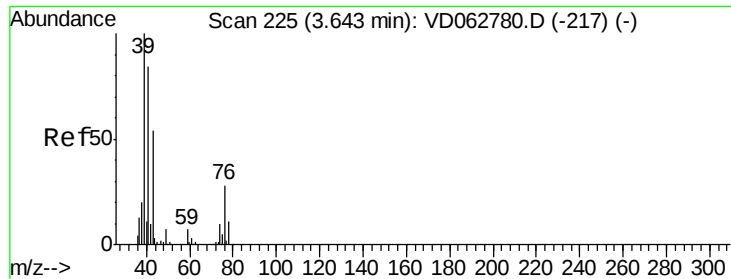
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

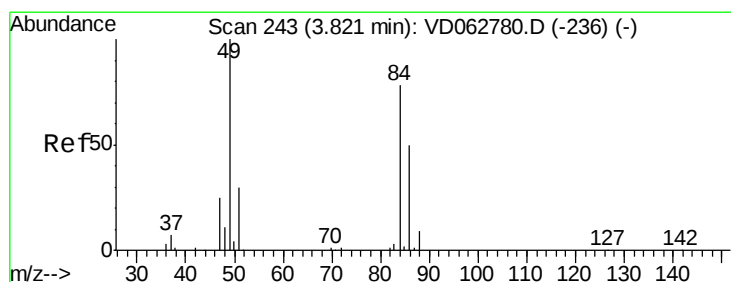
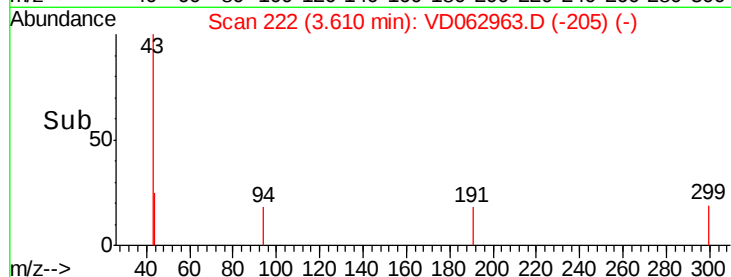
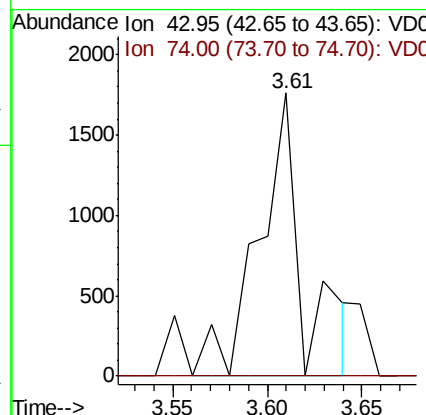
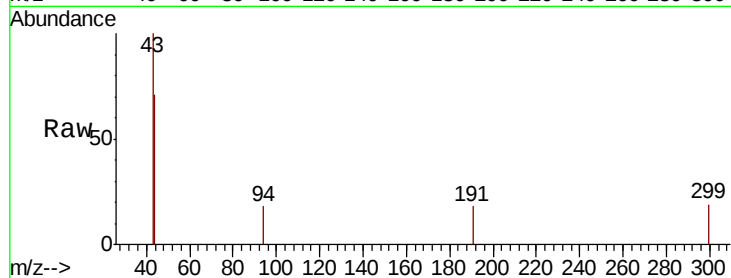




#18
Methyl Acetate
Concen: 1.226 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

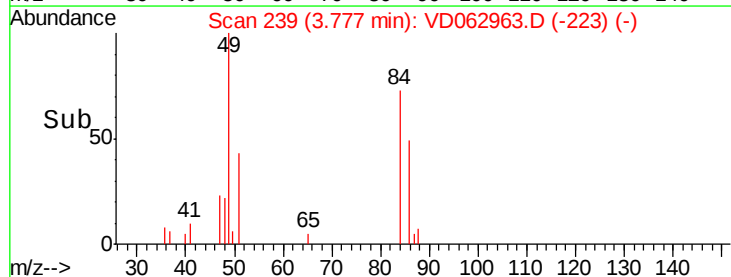
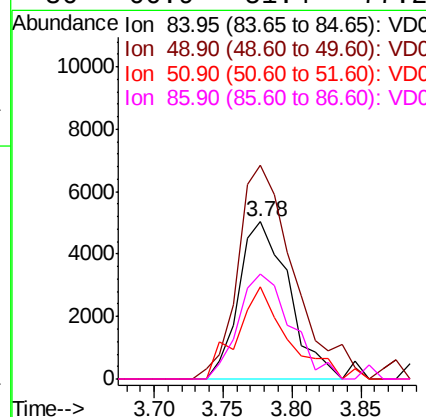
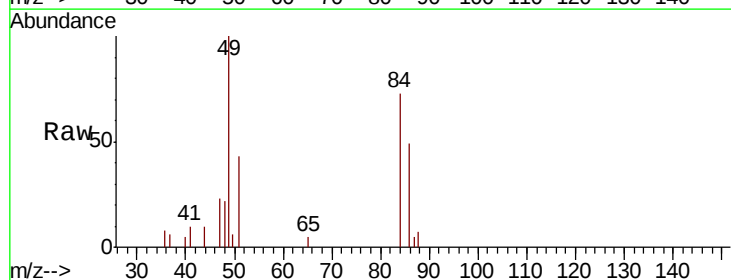
Instrument :
MSVOA_D
ClientSampleId :
NB-07-062619-A

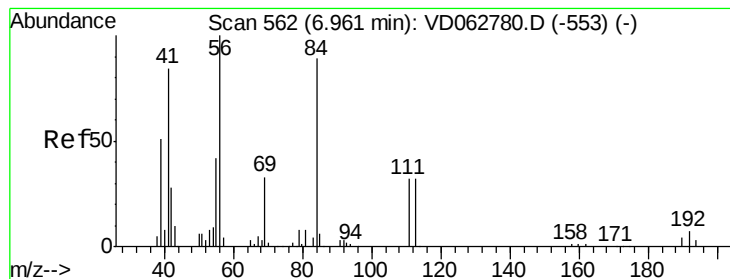
Tot Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#



#20
Methylene Chloride
Concen: 2.177 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

Tgt Ion: 84 Resp: 12795
Ion Ratio Lower Upper
84 100
49 136.1 102.9 154.3
51 58.4 31.2 46.8#
86 66.9 51.4 77.2





#31

Cyclohexane

Concen: 2.358 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.05 min

Lab File: VD062963.D

Acq: 28 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

NB-07-062619-A

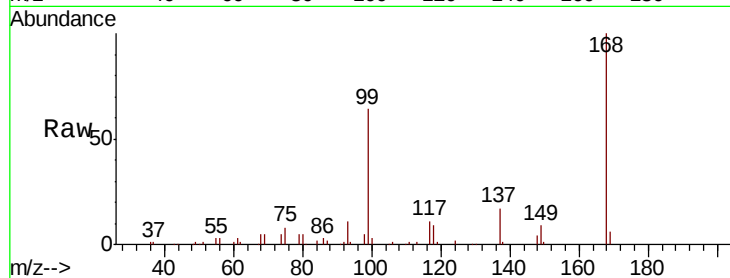
Tot Ion: 56 Resp: 17066

Ion Ratio Lower Upper

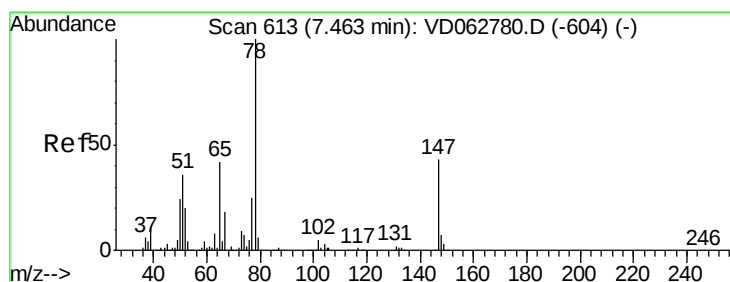
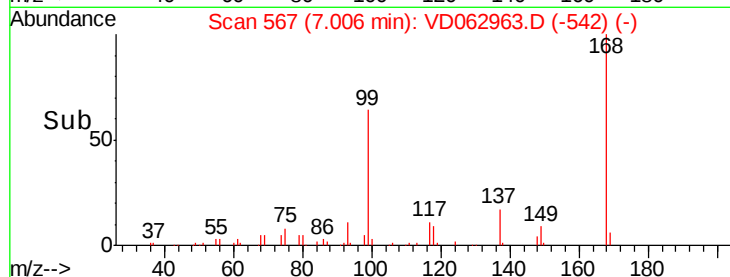
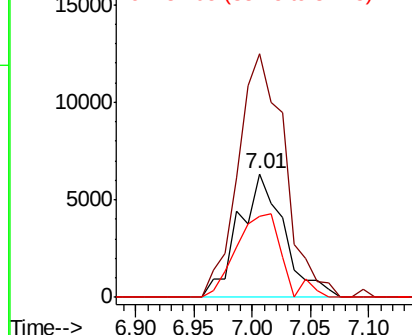
56 100

69 196.7 26.6 39.8#

84 65.0 75.5 113.3#



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: 56.740 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062963.D

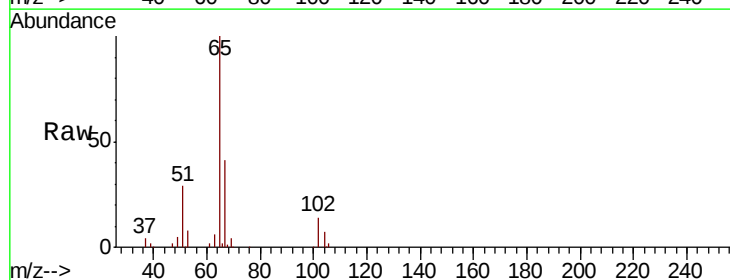
Acq: 28 Jun 2019 13:52

Tgt Ion: 65 Resp: 437218

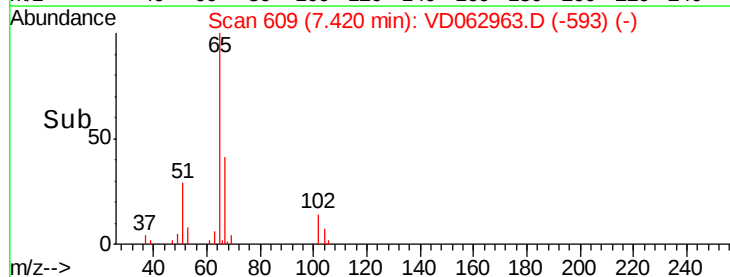
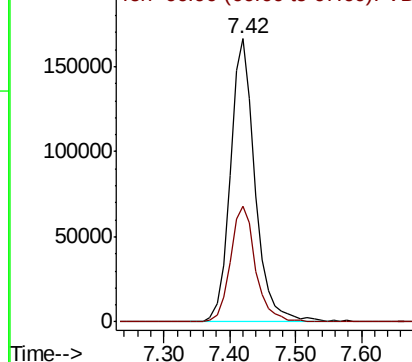
Ion Ratio Lower Upper

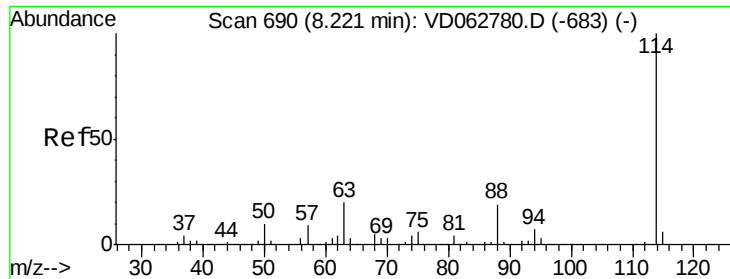
65 100

67 40.8 0.0 87.4



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

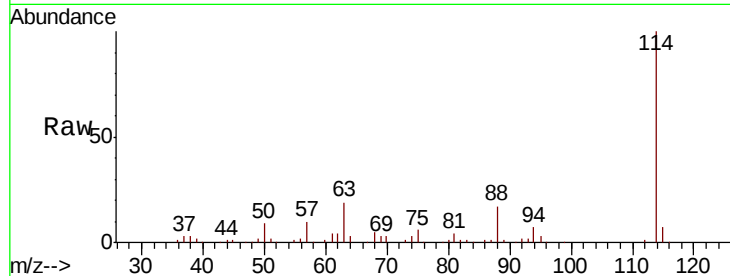




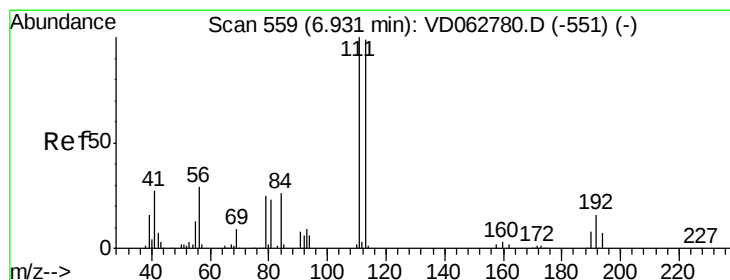
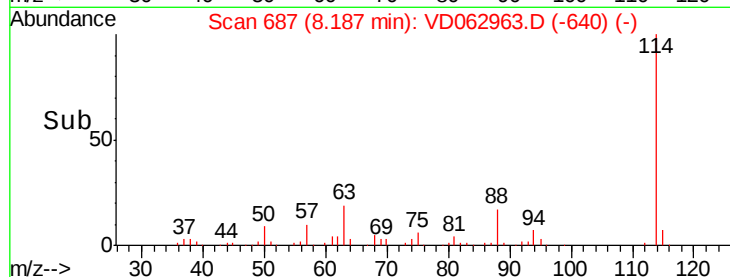
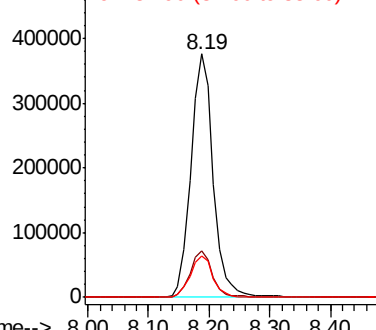
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.19 min Scan# 687
Delta R.T. -0.03 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
NB-07-062619-A

Tot Ion:114 Resp: 956658
Ion Ratio Lower Upper
114 100
63 19.1 0.0 40.0
88 16.8 0.0 38.8

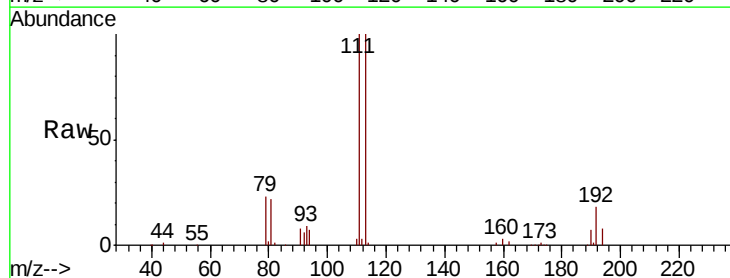


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

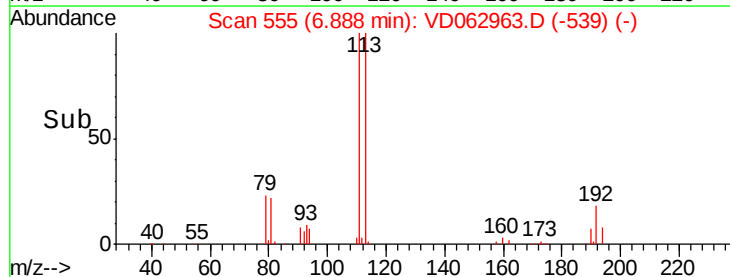
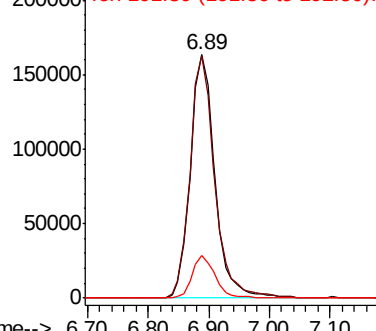


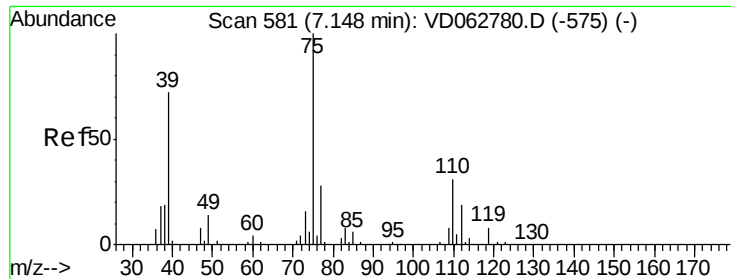
#35
Dibromofluoromethane
Concen: 57.224 ug/l
RT: 6.89 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

Tgt Ion:113 Resp: 461600
Ion Ratio Lower Upper
113 100
111 99.6 81.2 121.8
192 17.5 12.9 19.3



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: 6.304 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062963.D

Acq: 28 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

NB-07-062619-A

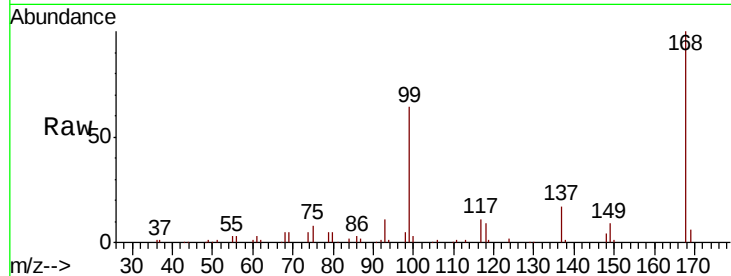
Tot Ion: 75 Resp: 57086

Ion Ratio Lower Upper

75 100

110 4.6 15.0 45.1#

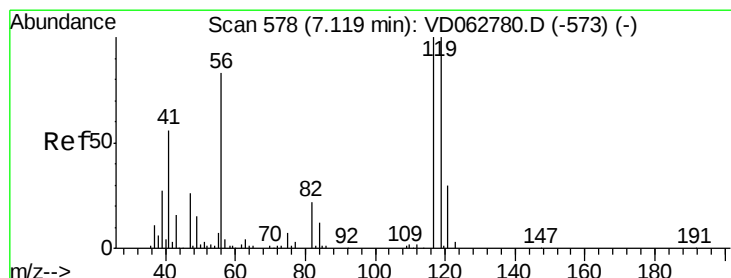
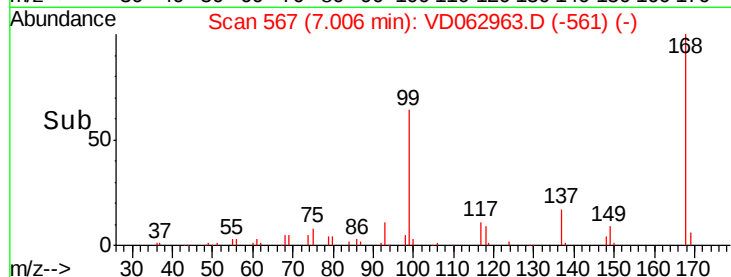
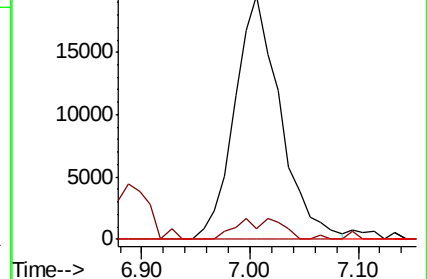
77 0.0 22.2 33.2#



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: 5.328 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.11 min

Lab File: VD062963.D

Acq: 28 Jun 2019 13:52

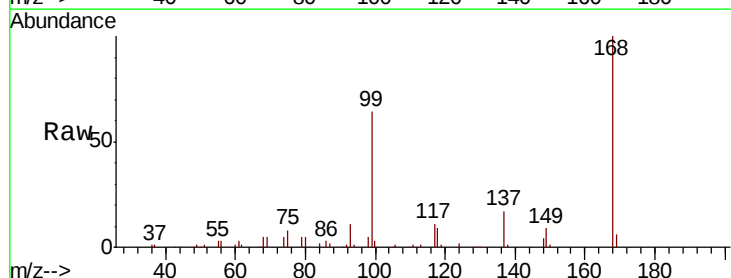
Tgt Ion: 117 Resp: 72570

Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.2#

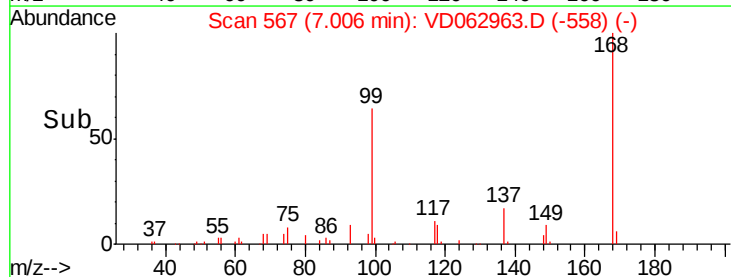
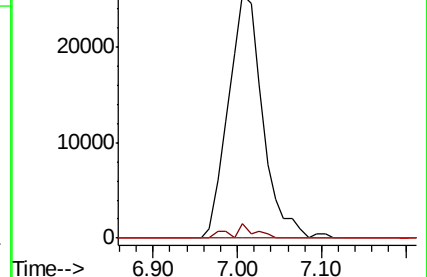
121 0.0 22.3 33.5#

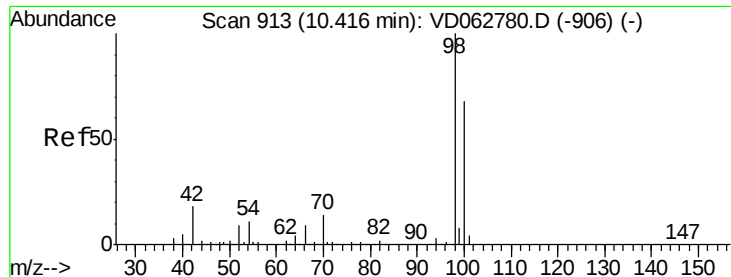


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

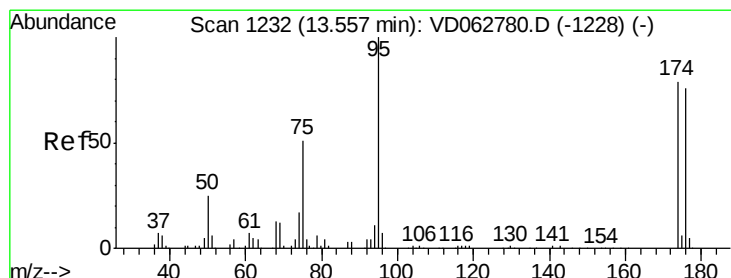
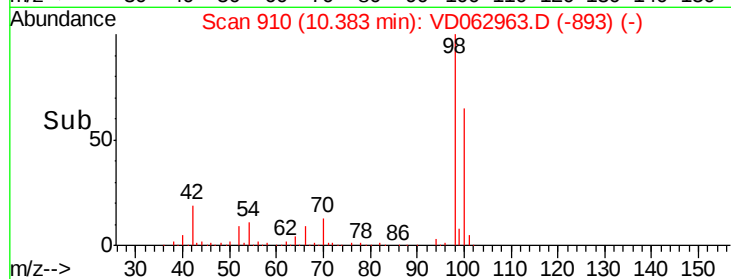
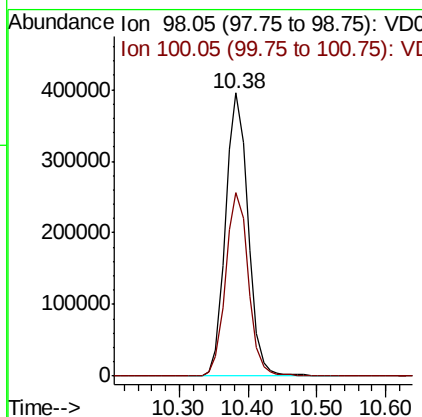
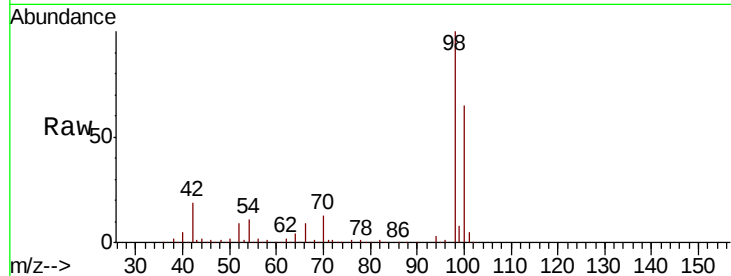




#50
Toluene-d8
Concen: 51.115 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

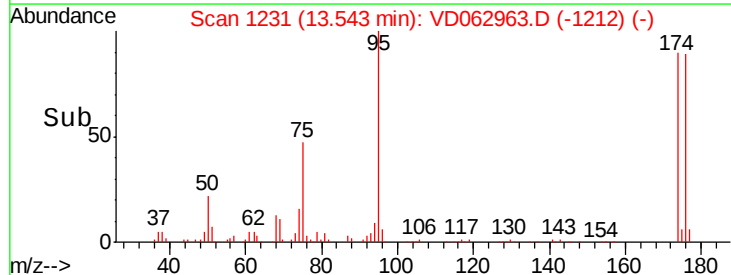
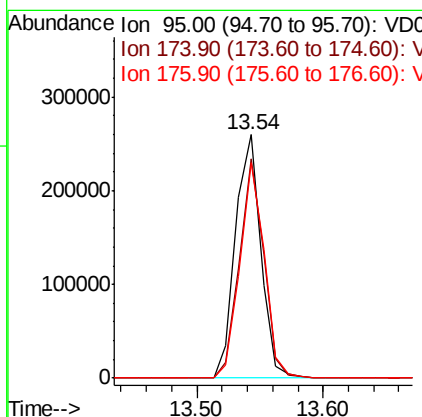
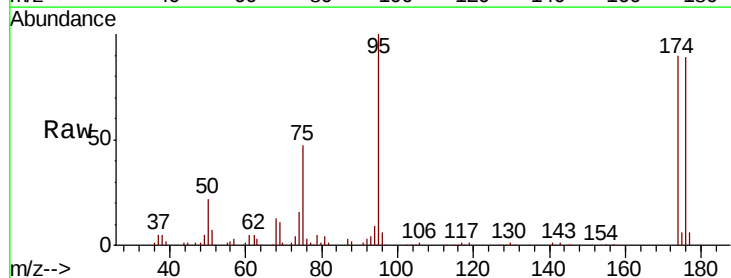
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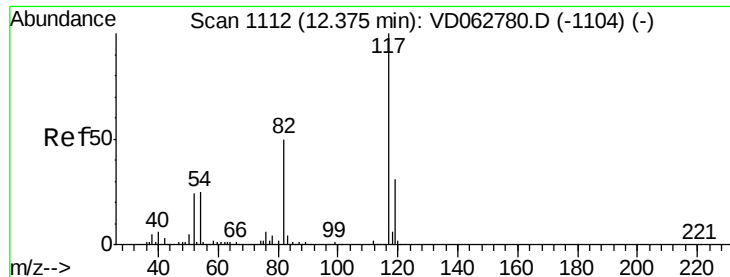
Tot Ion: 98 Resp: 897398
Ion Ratio Lower Upper
98 100
100 65.0 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 44.845 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

Tgt Ion: 95 Resp: 357997
Ion Ratio Lower Upper
95 100
174 89.9 0.0 158.0
176 88.7 0.0 151.6

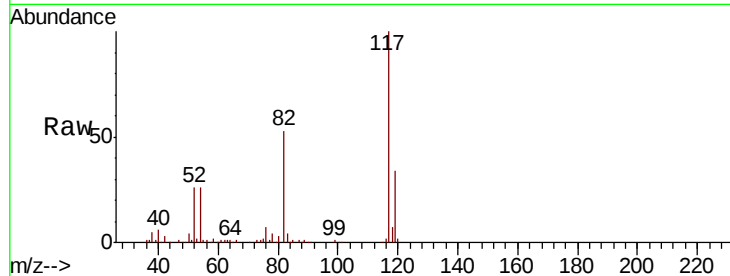




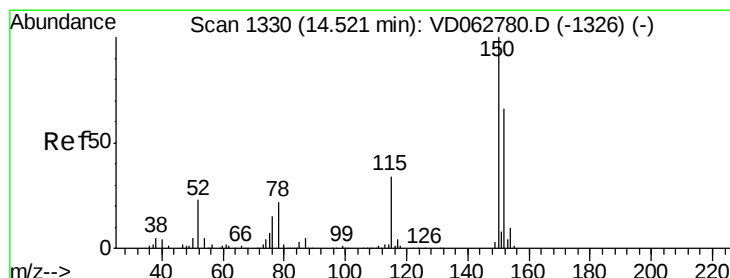
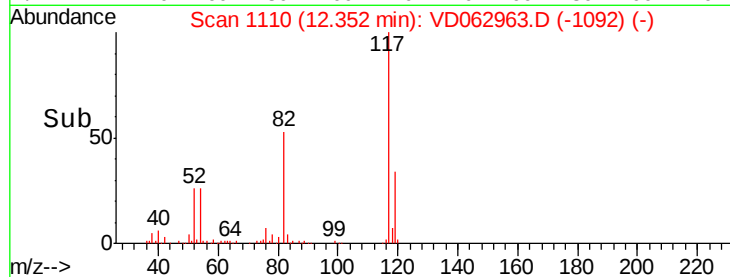
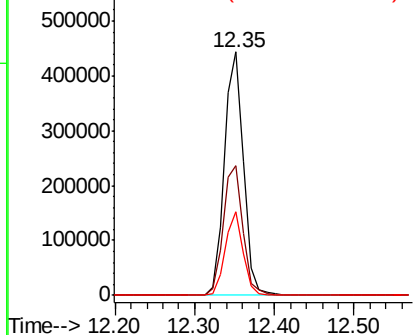
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
NB-07-062619-A

Tot Ion:117 Resp: 749076
Ion Ratio Lower Upper
117 100
82 53.3 40.4 60.6
119 34.1 25.2 37.8

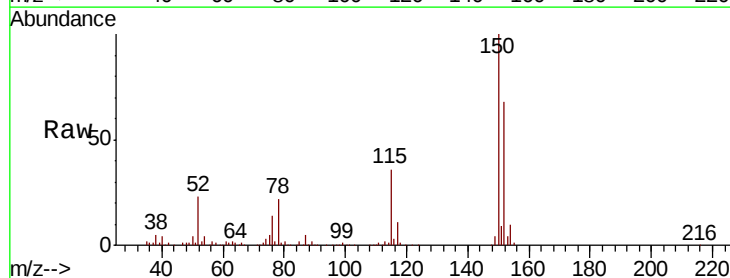


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

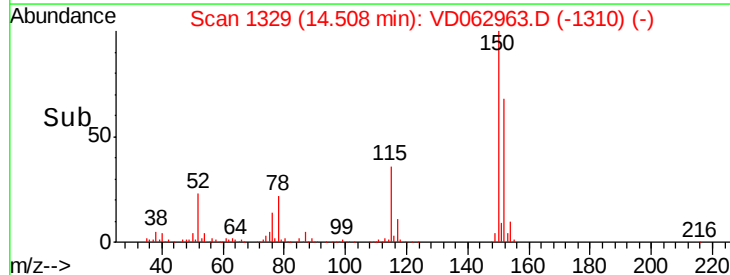
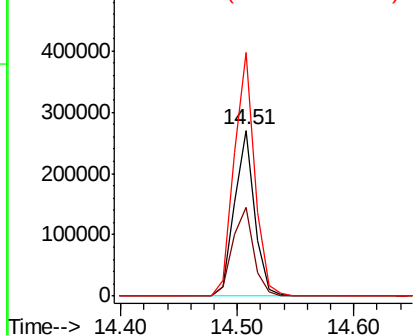


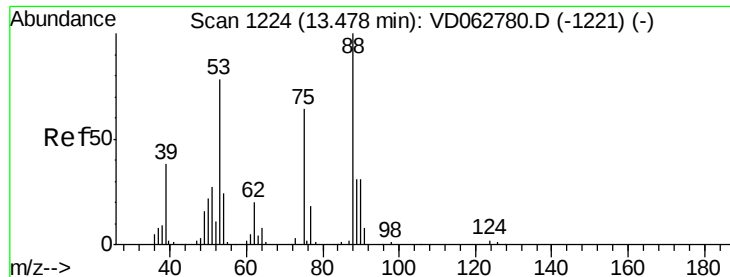
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062963.D
Acq: 28 Jun 2019 13:52

Tgt Ion:152 Resp: 323883
Ion Ratio Lower Upper
152 100
115 53.5 29.2 87.6
150 146.7 0.0 305.8



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: 170.091 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062963.D

Acq: 28 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

NB-07-062619-A

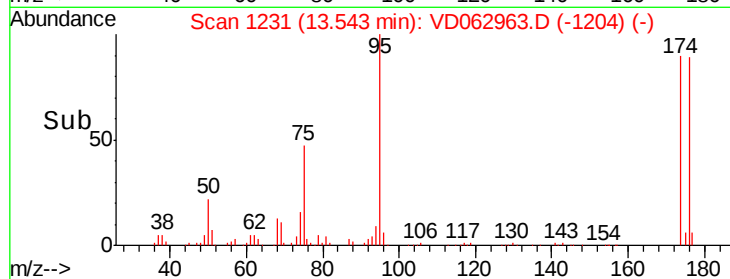
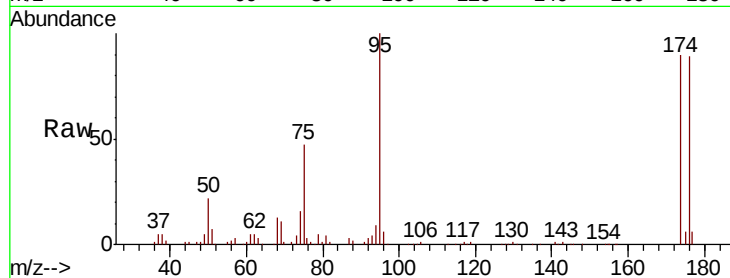
Tot Ion: 75 Resp: 166678

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

