

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063175.D
 Acq On : 22 Jul 2019 14:25
 Operator : VA/AP
 Sample : K3868-05
 Misc : 6.01g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Jul 23 07:49:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	934773	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1261407	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1029241	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	493634	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	699507	60.07	ug/l	0.01
Spiked Amount			Recovery	=	120.14%	
35) Dibromofluoromethane	6.93	113	720193	57.32	ug/l	0.01
Spiked Amount			Recovery	=	114.64%	
50) Toluene-d8	10.41	98	1545777	57.28	ug/l	0.01
Spiked Amount			Recovery	=	114.56%	
62) 4-Bromofluorobenzene	13.56	95	616635	49.39	ug/l	0.01
Spiked Amount			Recovery	=	98.78%	

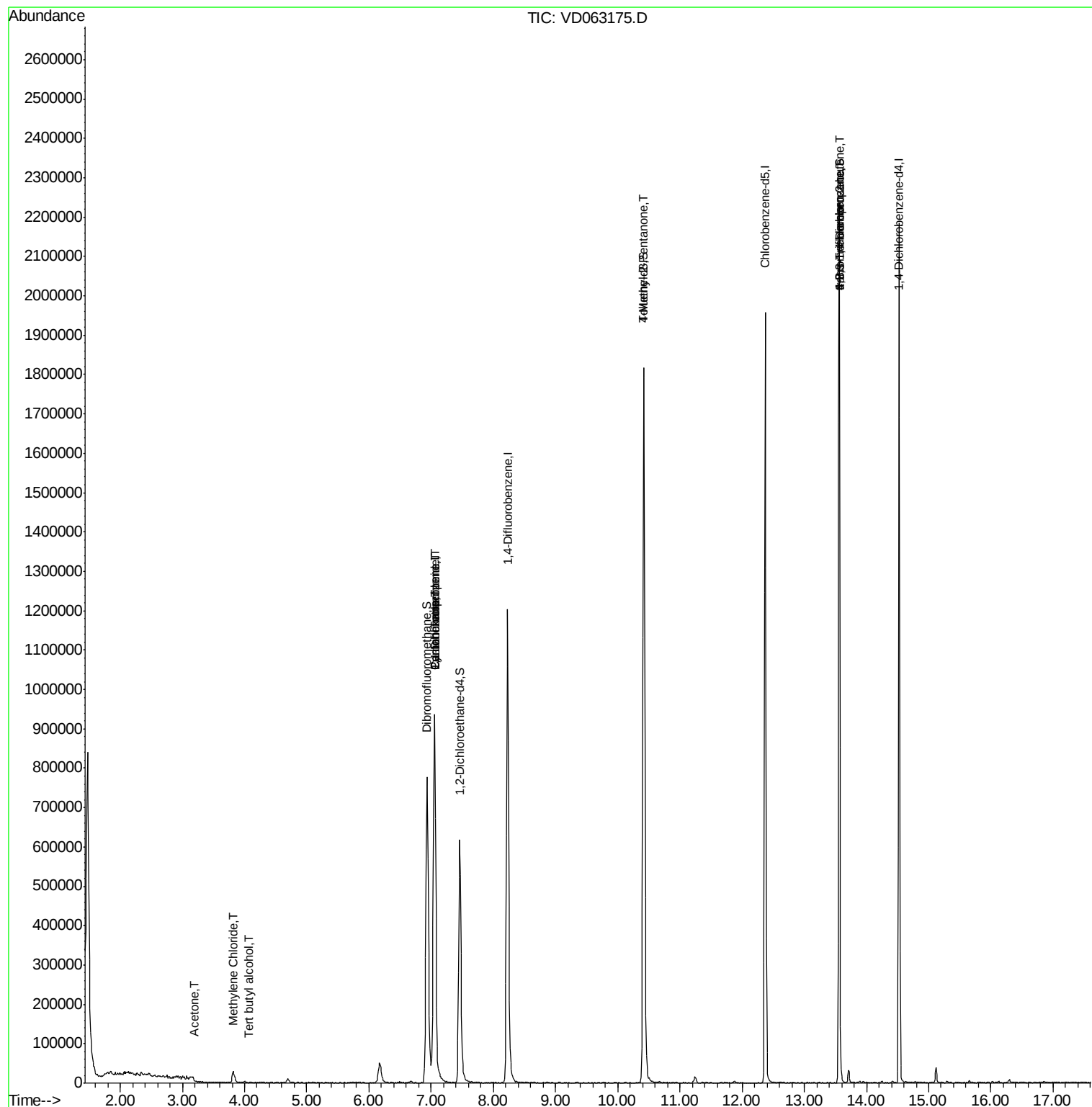
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	208	Below Cal	#	43
3) Chloromethane	1.74	50	190	Below Cal	#	48
5) Bromomethane	2.13	94	511	Below Cal	#	36
11) Tert butyl alcohol	4.07	59	750	1.116	ug/l #	77
16) Acetone	3.20	43	2907	1.034	ug/l #	62
18) Methyl Acetate	3.65	43	258	Below Cal	#	63
20) Methylene Chloride	3.81	84	16174	1.522	ug/l #	74
31) Cyclohexane	7.05	56	19717	1.779	ug/l #	6
36) 1,1-Dichloropropene	7.05	75	71951	5.072	ug/l #	49
38) Carbon Tetrachloride	7.05	117	93423	4.334	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	8387	1.453	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	260689	34.330	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	286686	143.368	ug/l #	1

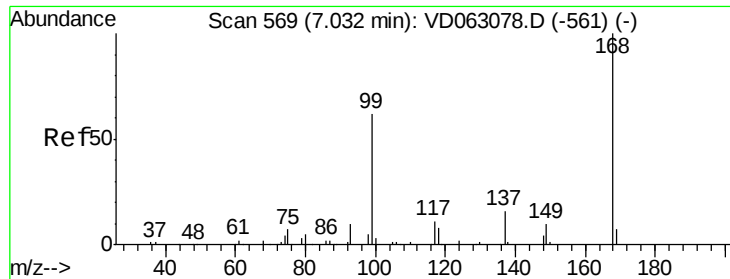
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

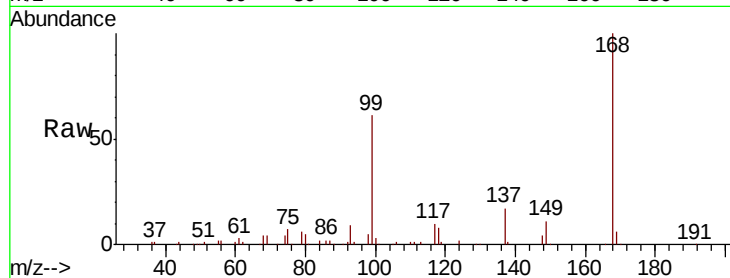
TP-1

Tot Ion:168 Resp: 934773

Ion Ratio Lower Upper

168 100

99 61.2 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

300000

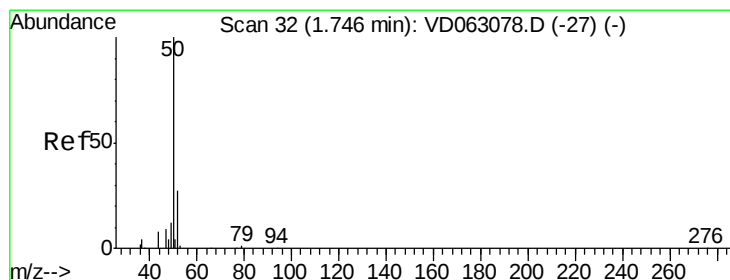
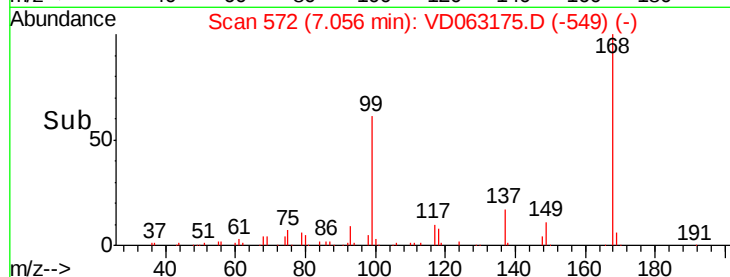
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063175.D

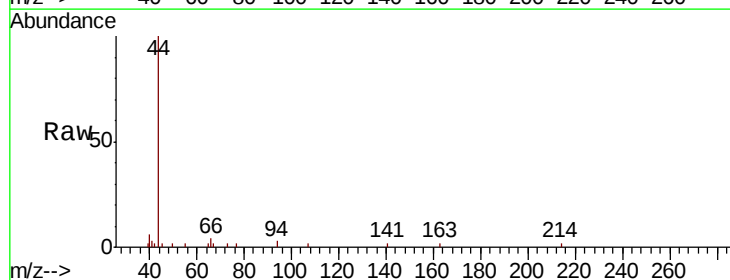
Acq: 22 Jul 2019 14:25

Tgt Ion: 50 Resp: 190

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

500

400

300

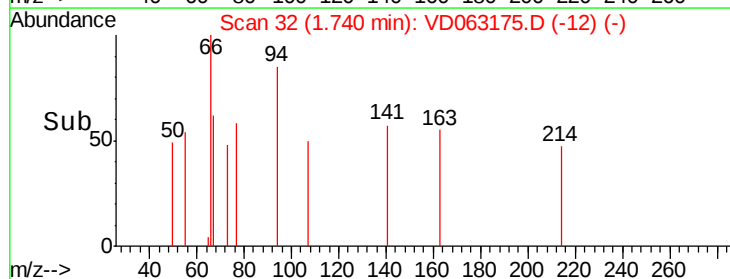
200

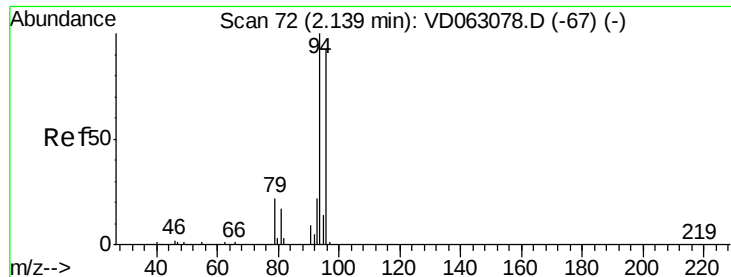
100

0

Time-->

1.72 1.74 1.76





#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Instrument :

MSVOA_D

ClientSampled :

TP-1

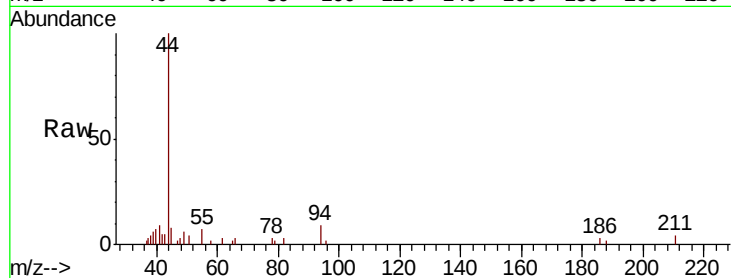
Tot Ion: 94 Resp: 511

Ion Ratio Lower Upper

94 100

96 27.0 74.2 111.2#

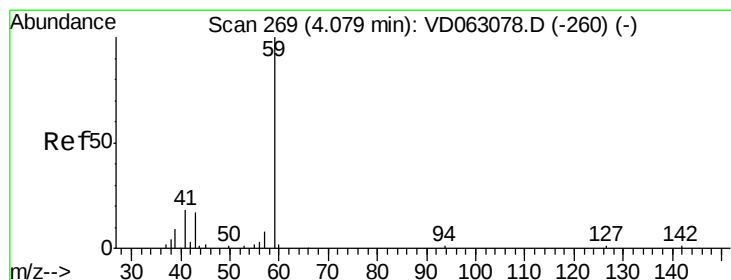
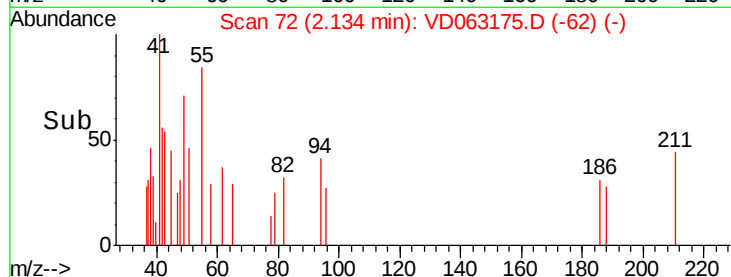
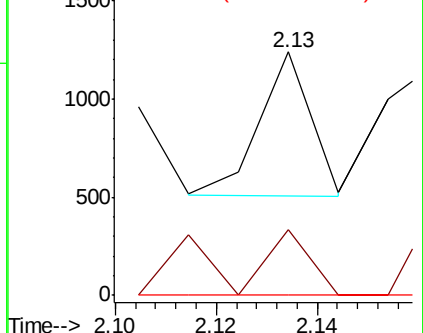
93 0.0 17.8 26.6#



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: 1.116 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD063175.D

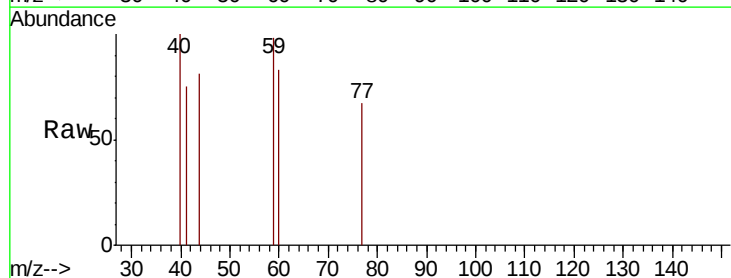
Acq: 22 Jul 2019 14:25

Tgt Ion: 59 Resp: 750

Ion Ratio Lower Upper

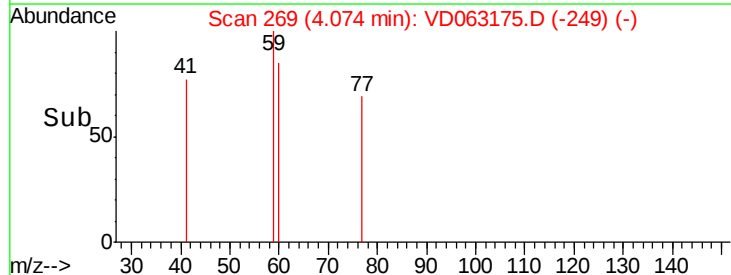
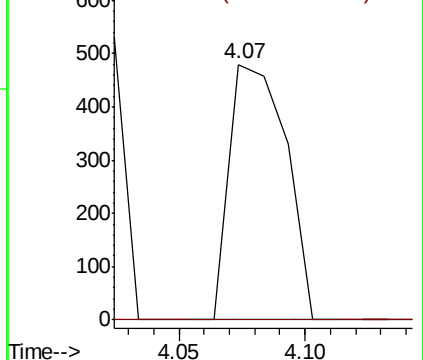
59 100

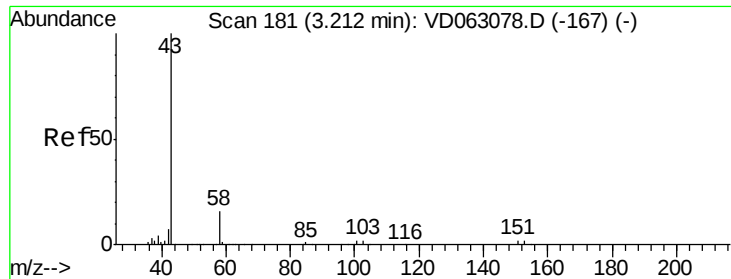
57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.034 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.01 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

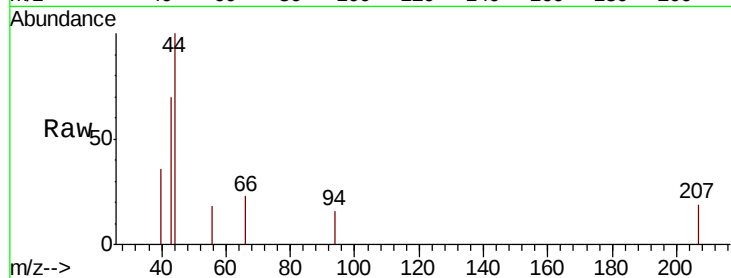
TP-1

Tot Ion: 43 Resp: 2907

Ion Ratio Lower Upper

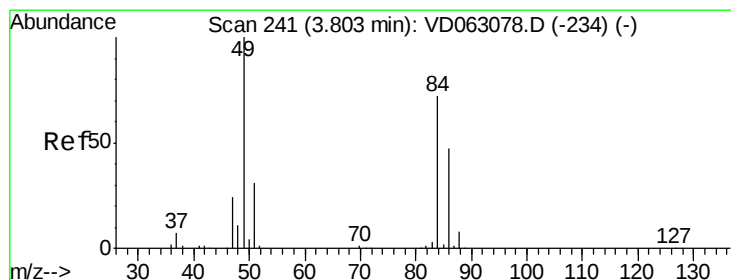
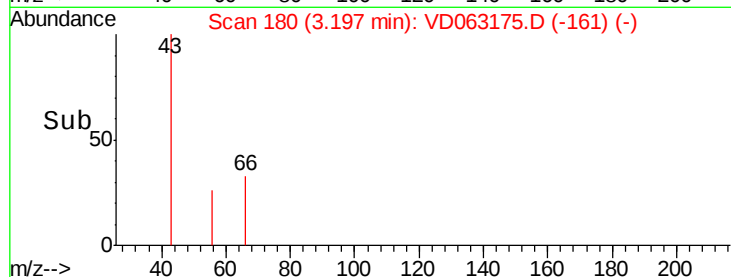
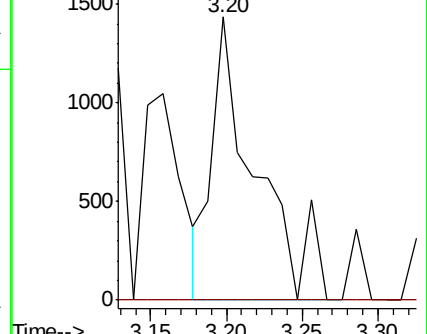
43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.522 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Tgt Ion: 84 Resp: 16174

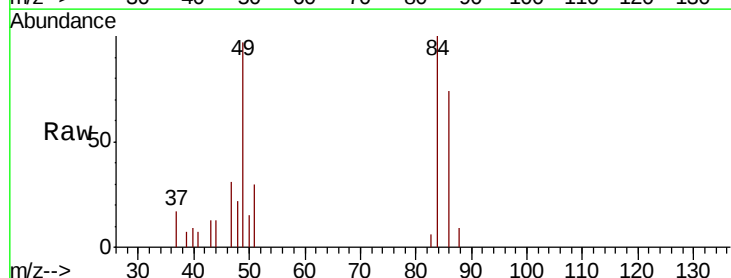
Ion Ratio Lower Upper

84 100

49 97.3 110.5 165.7#

51 29.9 34.6 51.8#

86 73.7 51.6 77.4

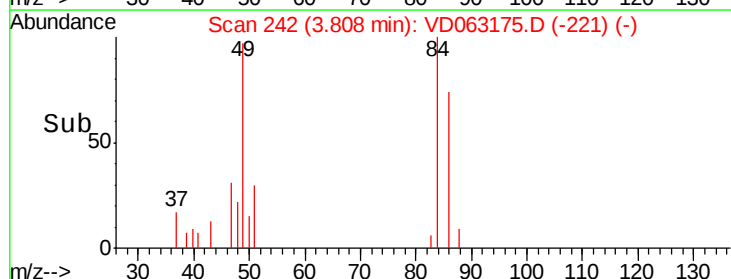
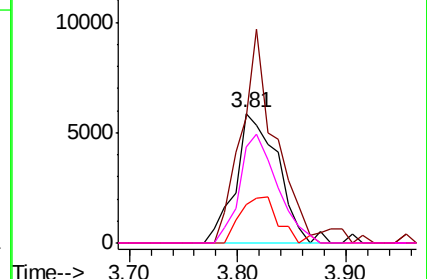


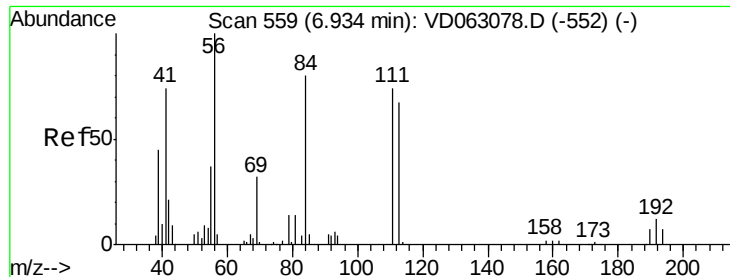
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

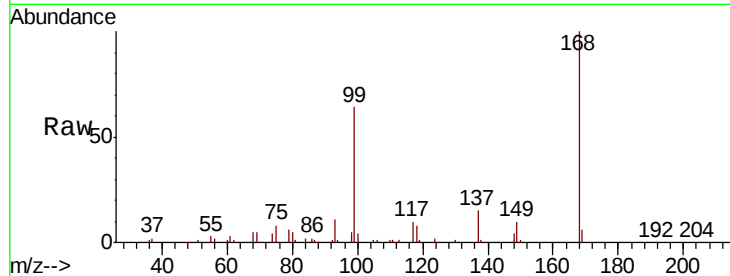




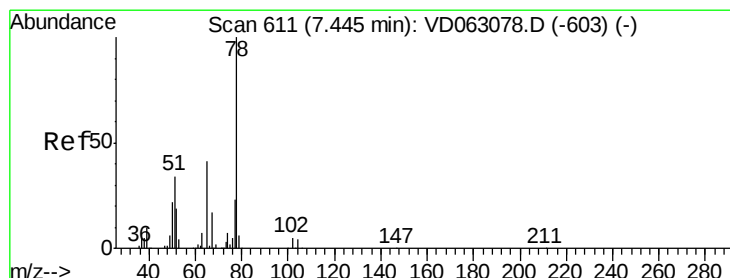
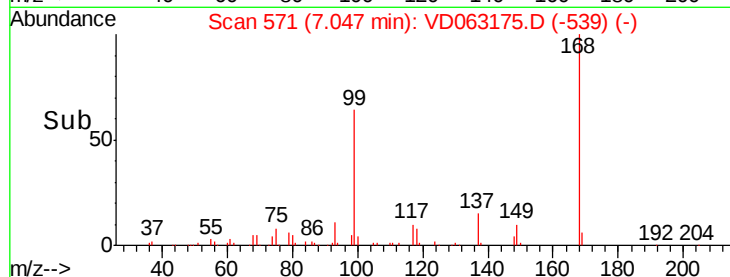
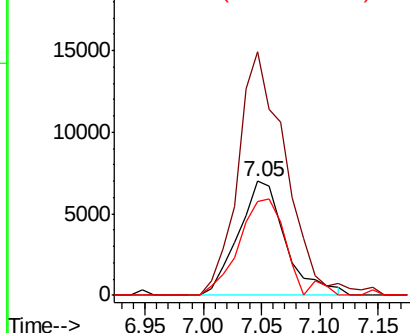
#31
Cyclohexane
Concen: 1.779 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063175.D
Acq: 22 Jul 2019 14:25

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion: 56 Resp: 19717
Ion Ratio Lower Upper
56 100
69 213.1 25.3 37.9#
84 82.7 64.2 96.4

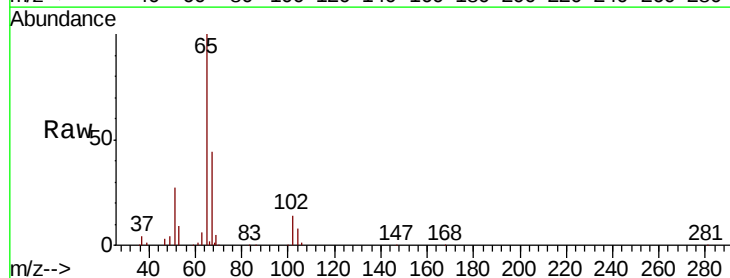


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

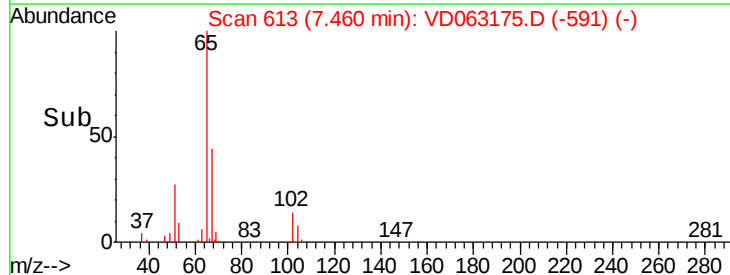
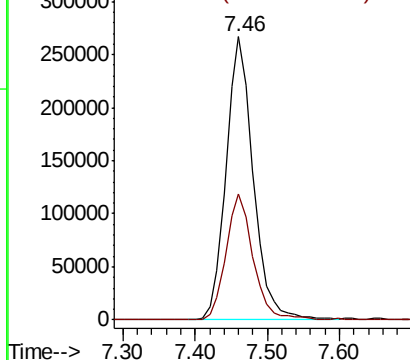


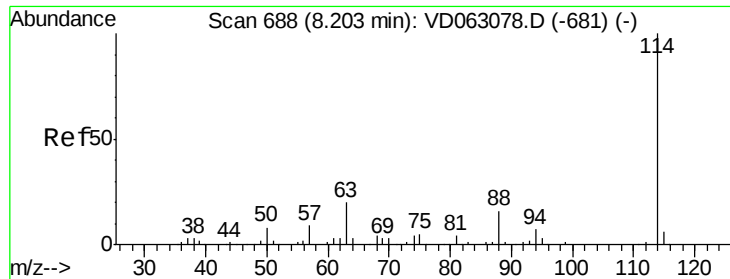
#33
1,2-Dichloroethane-d4
Concen: 60.072 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD063175.D
Acq: 22 Jul 2019 14:25

Tgt Ion: 65 Resp: 699507
Ion Ratio Lower Upper
65 100
67 44.3 0.0 86.0



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

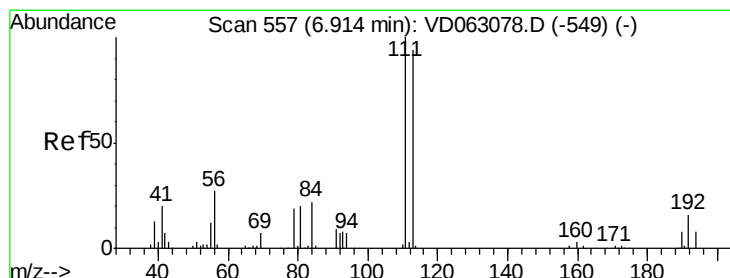
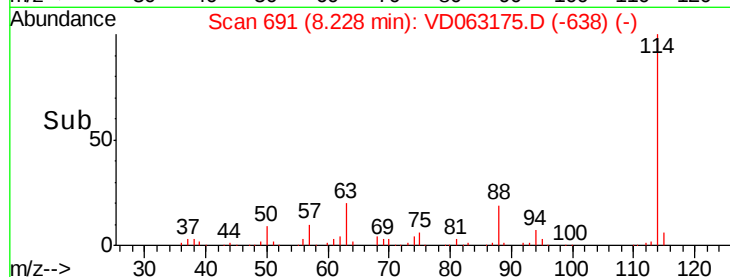
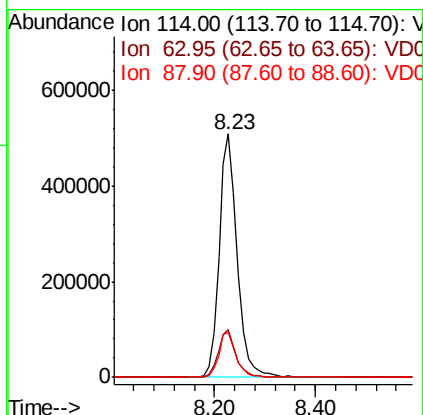
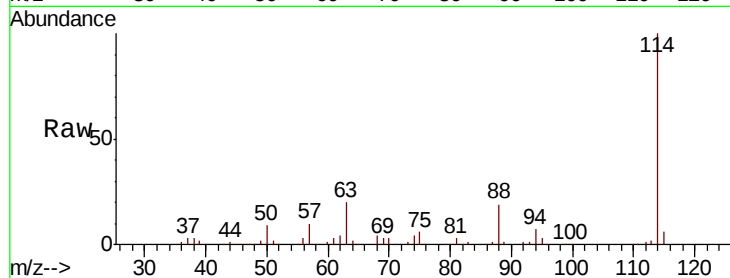




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. 0.02 min
Lab File: VD063175.D
Acq: 22 Jul 2019 14:25

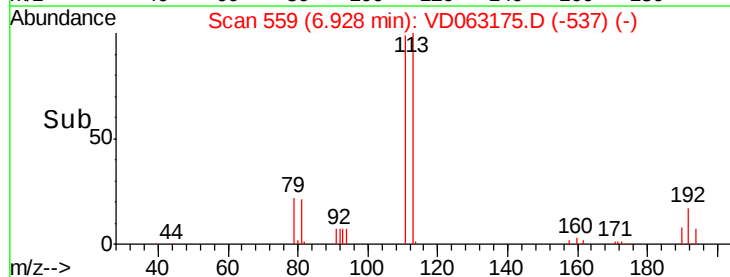
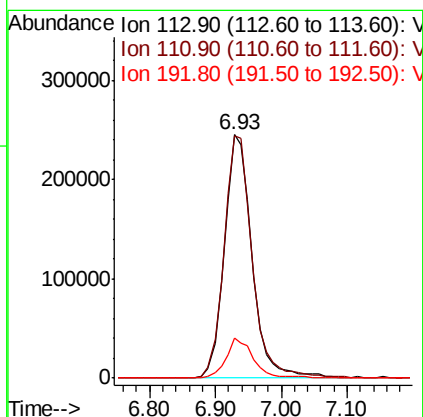
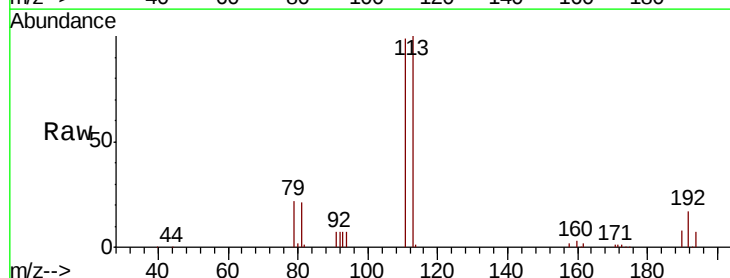
Instrument :
MSVOA_D
ClientSampleId :
TP-1

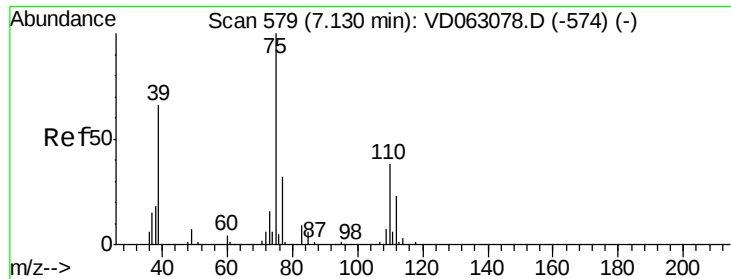
Tot Ion:114 Resp: 1261407
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.6
88 18.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 57.322 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD063175.D
Acq: 22 Jul 2019 14:25

Tgt Ion:113 Resp: 720193
Ion Ratio Lower Upper
113 100
111 99.4 84.8 127.2
192 16.7 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.072 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

TP-1

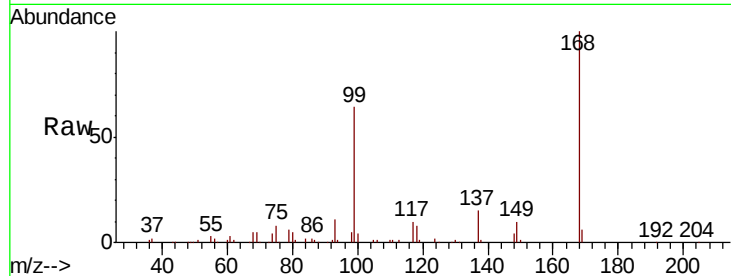
Tot Ion: 75 Resp: 71951

Ion Ratio Lower Upper

75 100

110 10.0 18.9 56.5#

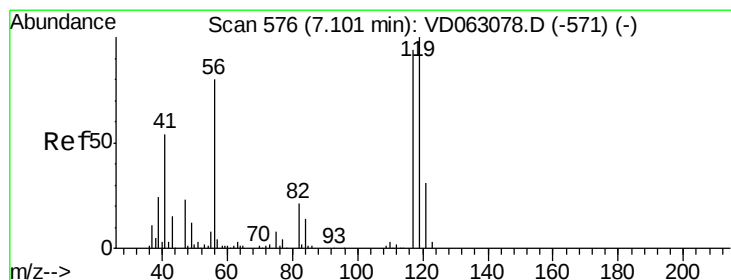
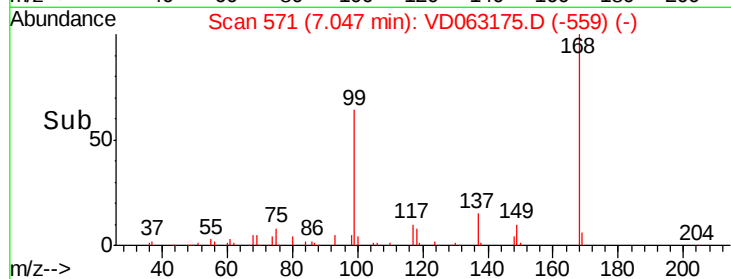
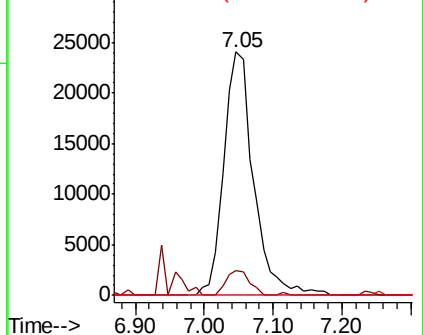
77 0.0 25.2 37.8#



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: 4.334 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

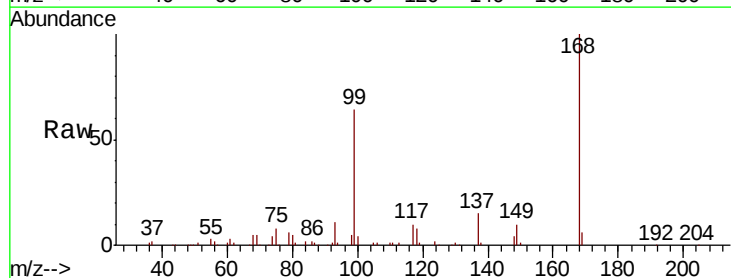
Tgt Ion: 117 Resp: 93423

Ion Ratio Lower Upper

117 100

119 5.1 80.0 120.0#

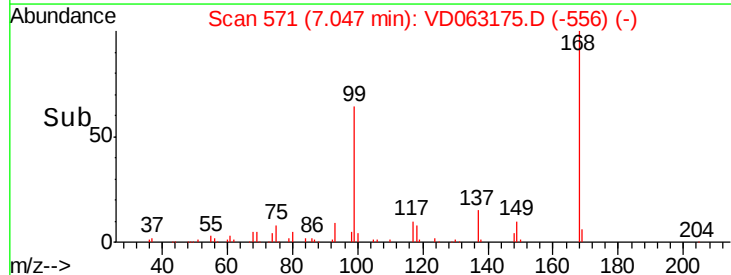
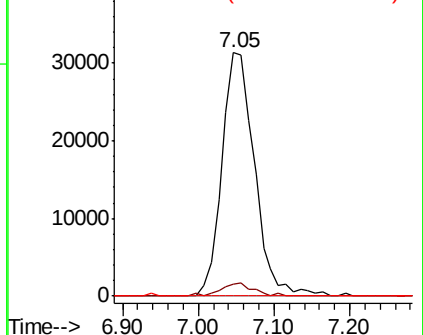
121 0.0 25.0 37.4#

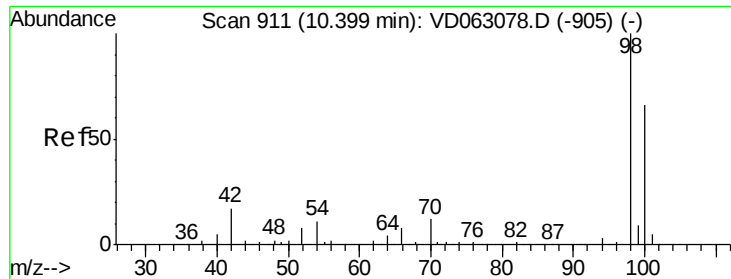


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

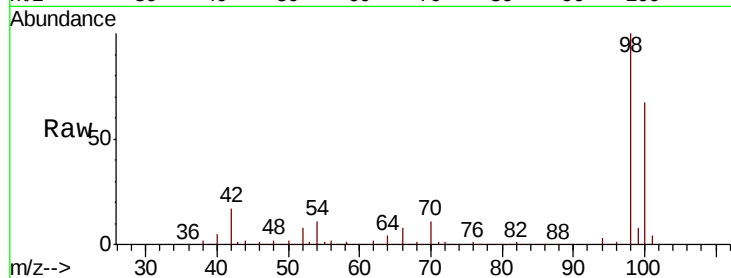




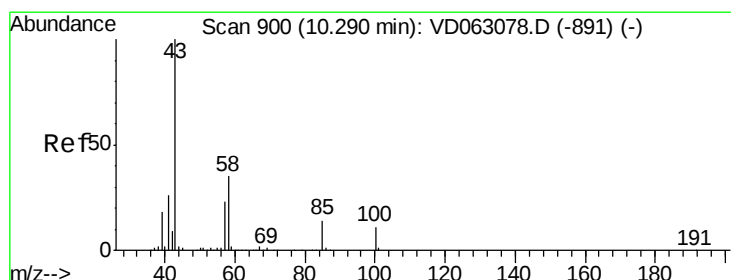
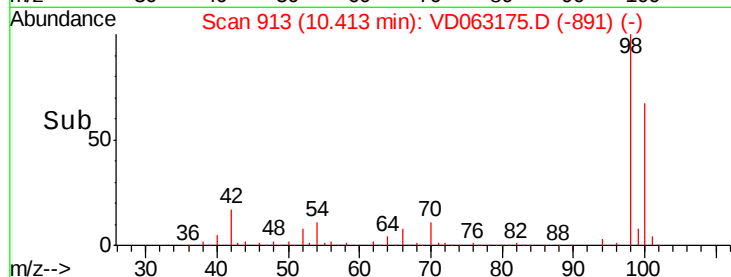
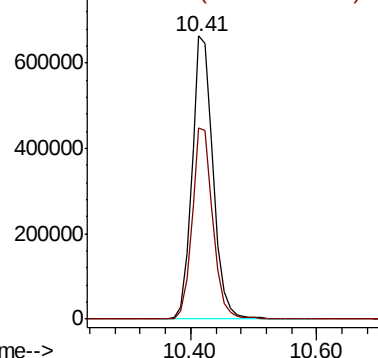
#50
Toluene-d8
Concen: 57.278 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063175.D
Acq: 22 Jul 2019 14:25

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion: 98 Resp: 1545777
Ion Ratio Lower Upper
98 100
100 67.4 53.5 80.3

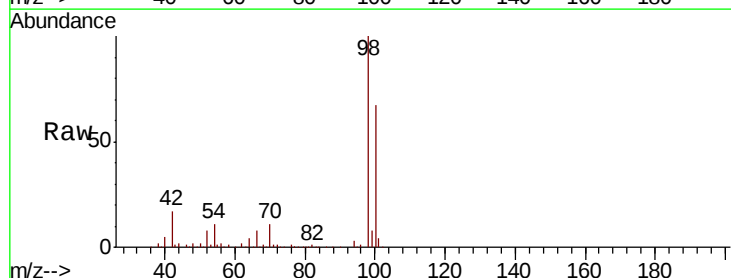


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

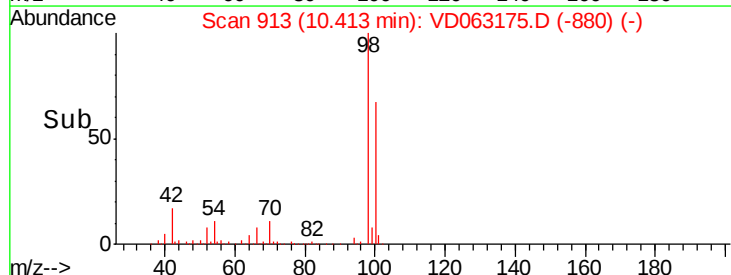
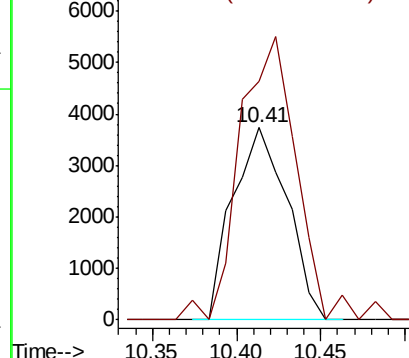


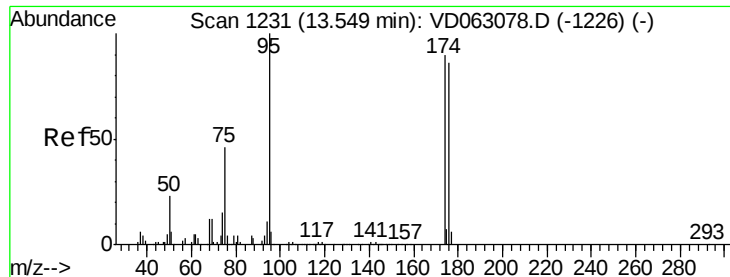
#51
4-Methyl-2-Pentanone
Concen: 1.453 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD063175.D
Acq: 22 Jul 2019 14:25

Tgt Ion: 43 Resp: 8387
Ion Ratio Lower Upper
43 100
58 124.3 27.8 41.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 49.389 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

TP-1

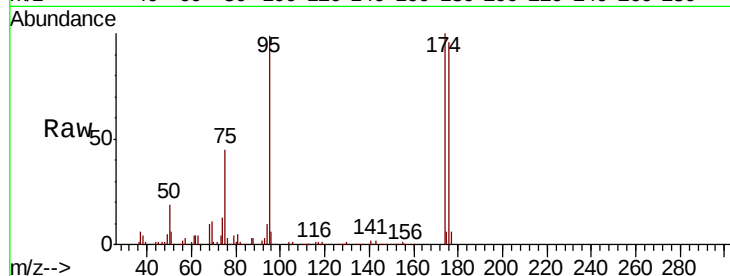
Tot Ion: 95 Resp: 616635

Ion Ratio Lower Upper

95 100

174 100.8 0.0 180.6

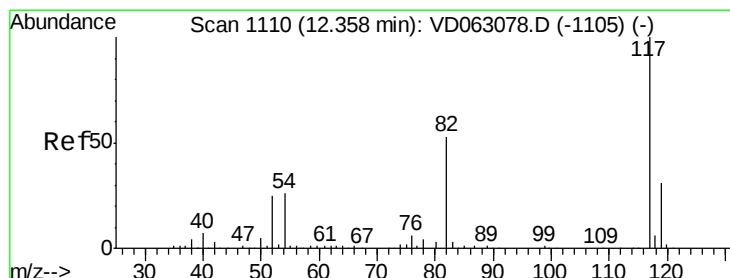
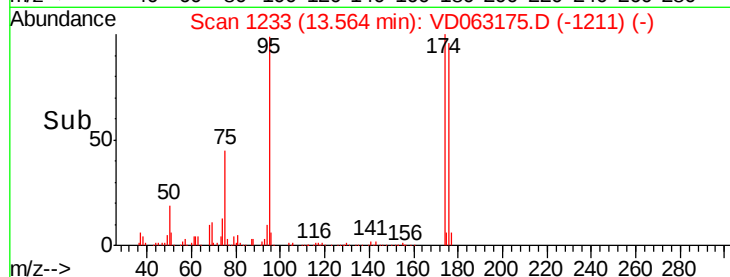
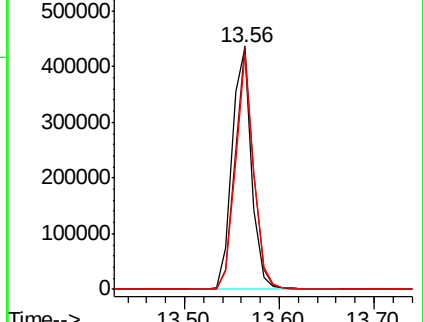
176 96.9 0.0 172.2



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# 1112

Delta R.T. 0.01 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

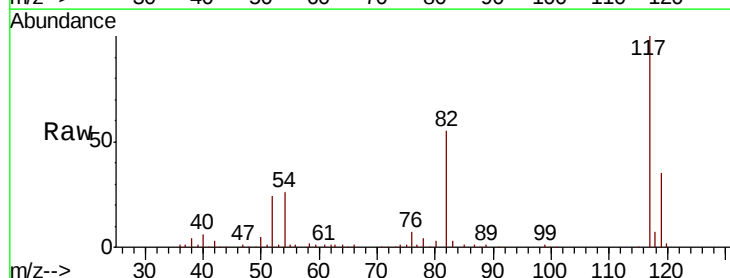
Tgt Ion: 117 Resp: 1029241

Ion Ratio Lower Upper

117 100

82 54.6 42.3 63.5

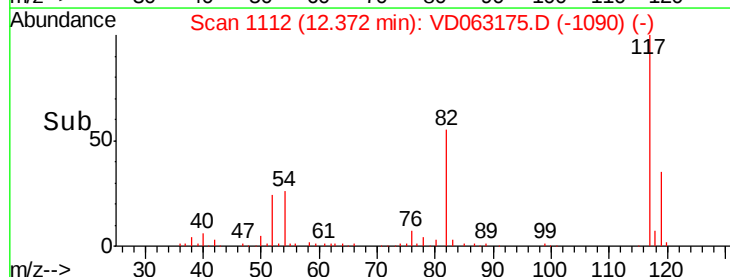
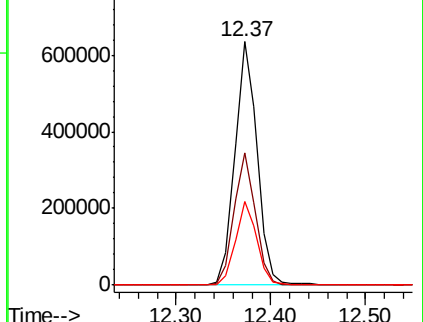
119 34.5 25.2 37.8

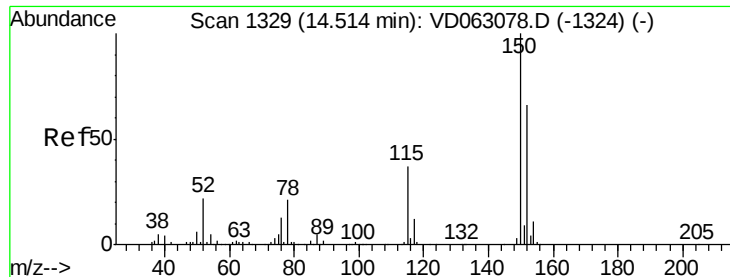


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

TP-1

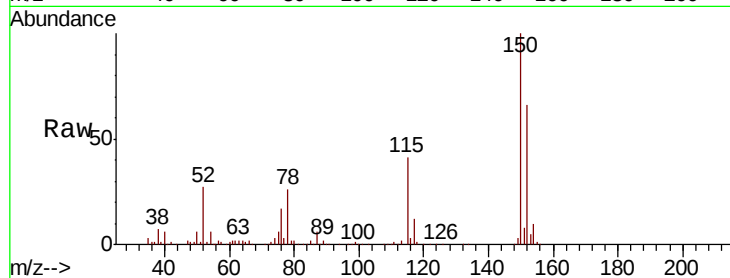
Tot Ion:152 Resp: 493634

Ion Ratio Lower Upper

152 100

115 62.4 28.9 86.8

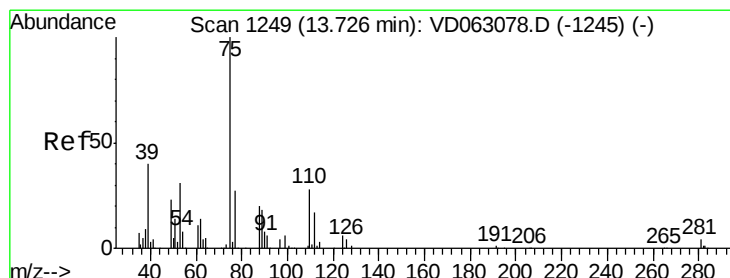
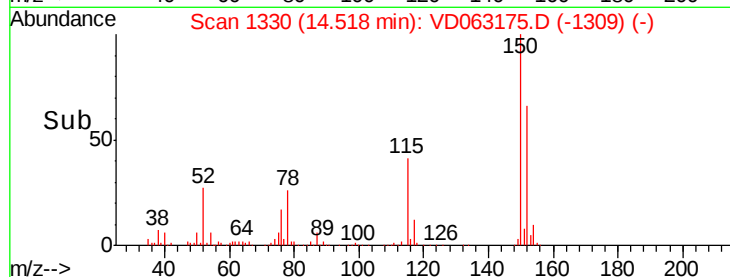
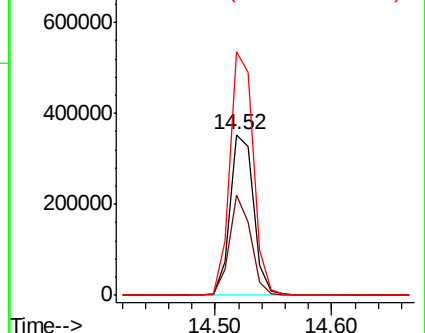
150 151.7 0.0 313.8



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



#76

1,2,3-Trichloropropane

Concen: 34.330 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD063175.D

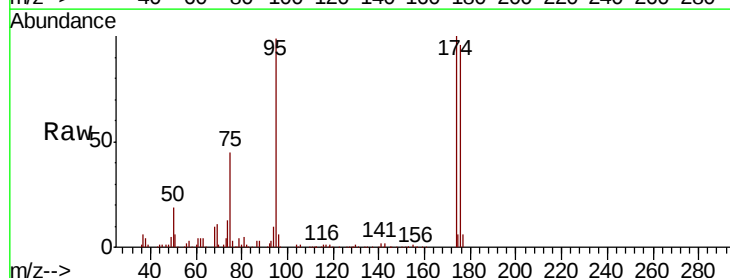
Acq: 22 Jul 2019 14:25

Tgt Ion: 75 Resp: 260689

Ion Ratio Lower Upper

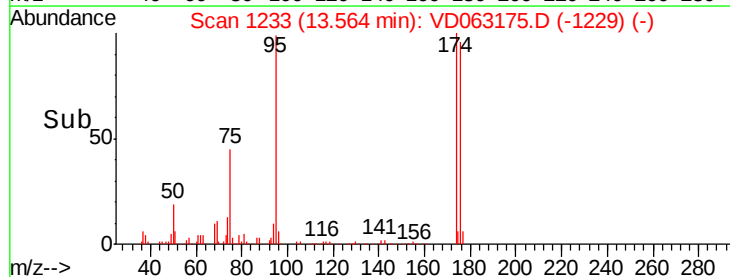
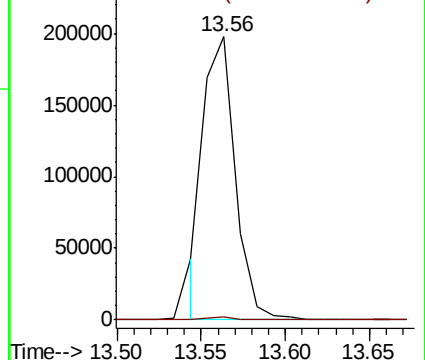
75 100

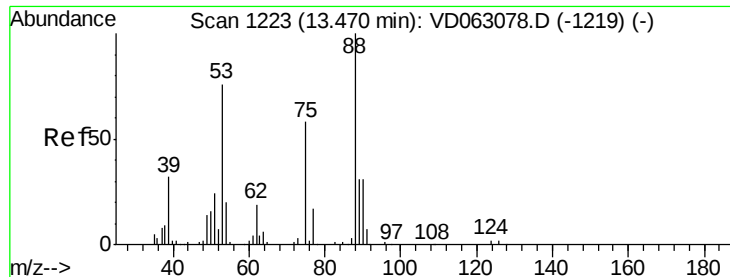
77 1.1 16.3 48.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 143.368 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD063175.D

Acq: 22 Jul 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

TP-1

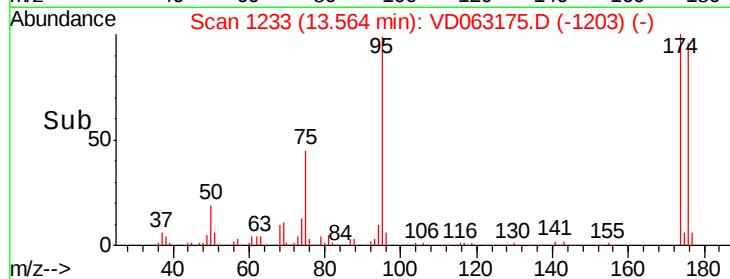
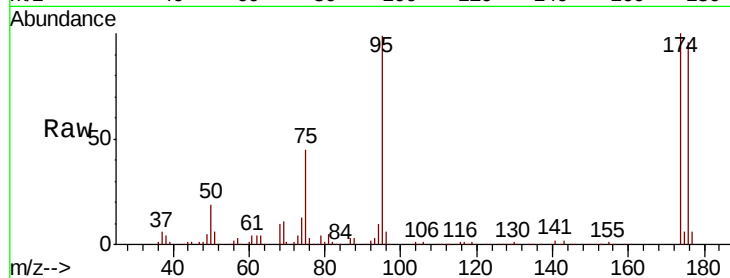
Tot Ion: 75 Resp: 286686

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

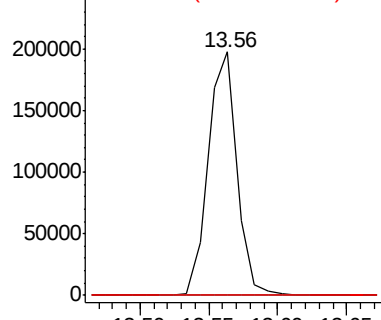
89 0.0 43.1 64.7#



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



Time-->