

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063131.D
 Acq On : 17 Jul 2019 15:07
 Operator : VA/AP
 Sample : K3852-01
 Misc : 3.97g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:56:39 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	7.04	168	863635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1173075	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	906498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	392255	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	344455	32.02	ug/l	0.00
Spiked Amount			Recovery	=	64.04%	
35) Dibromofluoromethane	6.92	113	376220	32.20	ug/l	0.00
Spiked Amount			Recovery	=	64.40%	
50) Toluene-d8	10.40	98	776920	30.96	ug/l	0.00
Spiked Amount			Recovery	=	61.92%	
62) 4-Bromofluorobenzene	13.55	95	266601	22.96	ug/l	0.00
Spiked Amount			Recovery	=	45.92%	

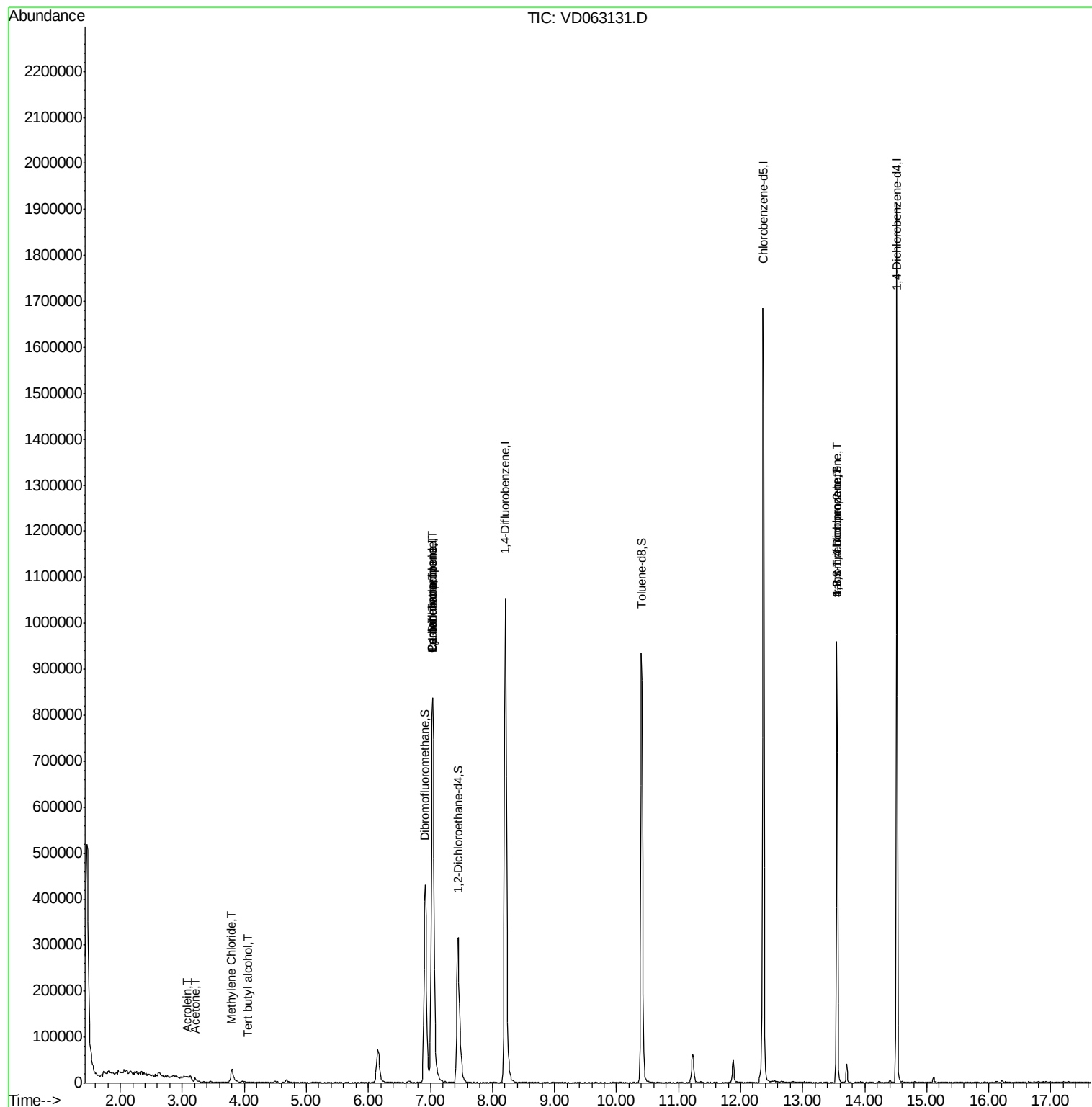
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	821	Below Cal	#	48
5) Bromomethane	2.15	94	1626	Below Cal	#	13
11) Tert butyl alcohol	4.06	59	693	1.116	ug/l #	77
13) Acrolein	3.07	56	274	1.462	ug/l #	17
16) Acetone	3.21	43	13608	5.237	ug/l	95
18) Methyl Acetate	3.67	43	336	Below Cal	#	63
20) Methylene Chloride	3.80	84	14992	1.527	ug/l #	83
31) Cyclohexane	7.03	56	16753	1.636	ug/l #	18
36) 1,1-Dichloropropene	7.04	75	62524	4.739	ug/l #	45
38) Carbon Tetrachloride	7.04	117	86103	4.295	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	96005	15.911	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	121479	76.451	ug/l #	1

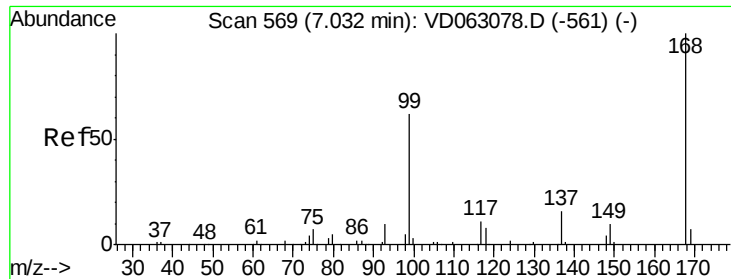
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063131.D

Acq: 17 Jul 2019 15:07

Instrument :

MSVOA_D

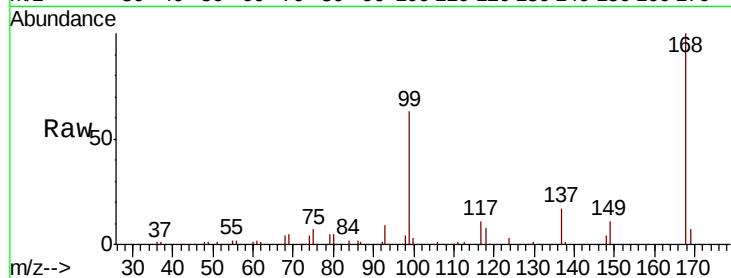
ClientSampleId :

Tot Ion:168 Resp: 863635

Ion Ratio Lower Upper

168 100

99 62.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

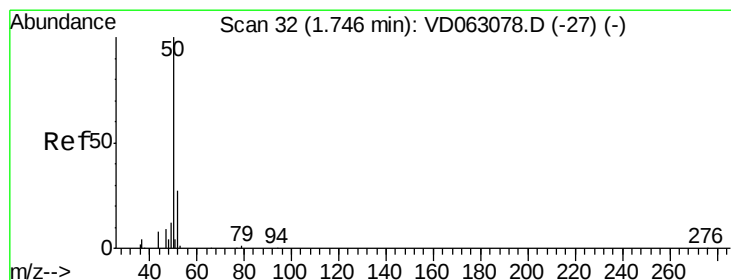
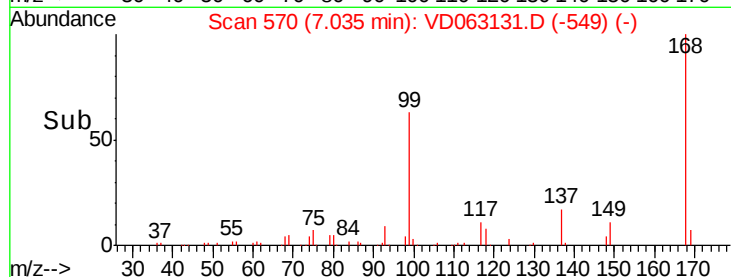
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063131.D

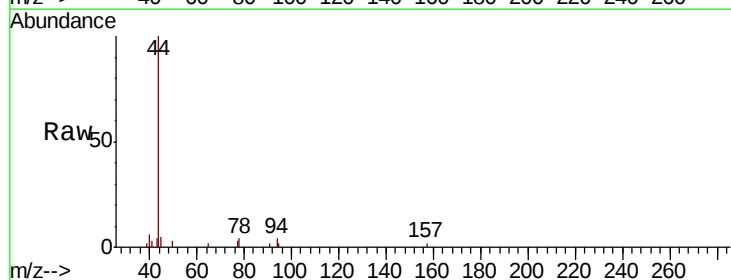
Acq: 17 Jul 2019 15:07

Tgt Ion: 50 Resp: 821

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

1.74

600

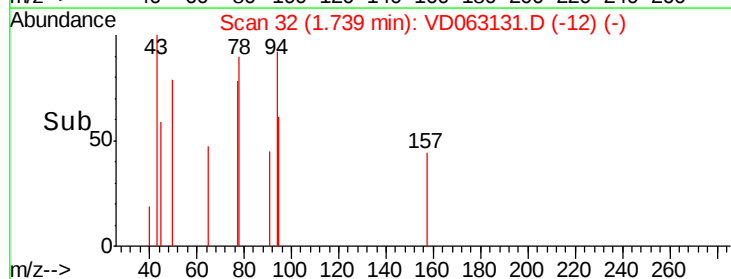
400

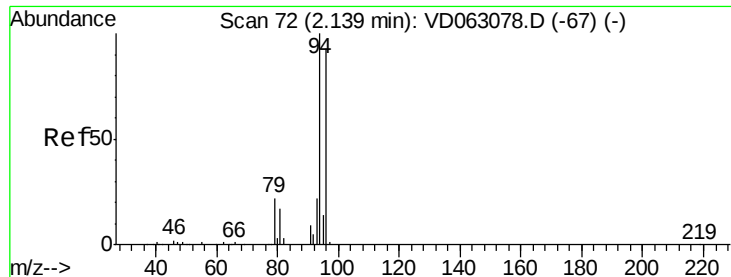
200

0

1.70 1.75 1.80

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

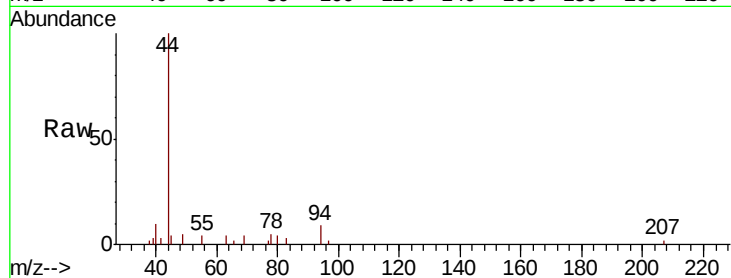
Lab File: VD063131.D

Acq: 17 Jul 2019 15:07

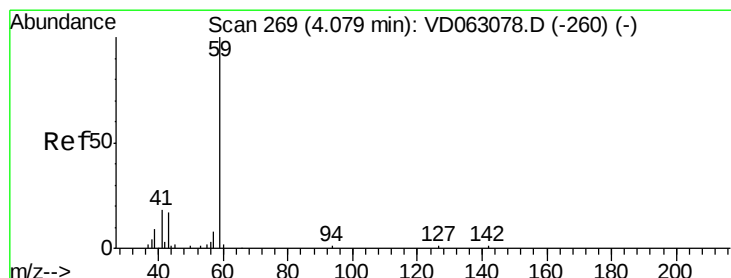
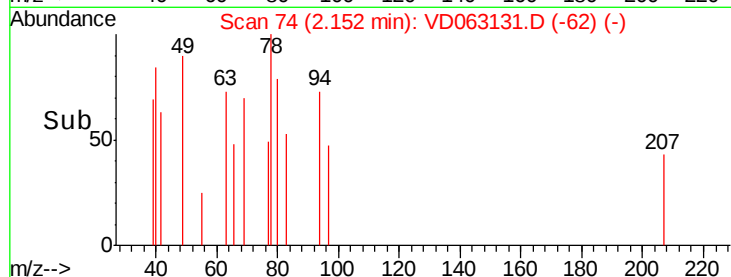
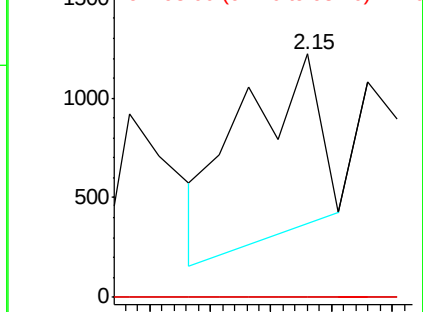
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 1626

Ion	Ratio	Lower	Upper
94	100		
96	0.0	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: 4.06 min Scan# 268

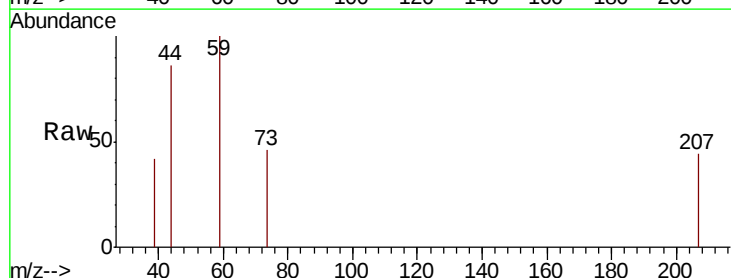
Delta R.T. -0.02 min

Lab File: VD063131.D

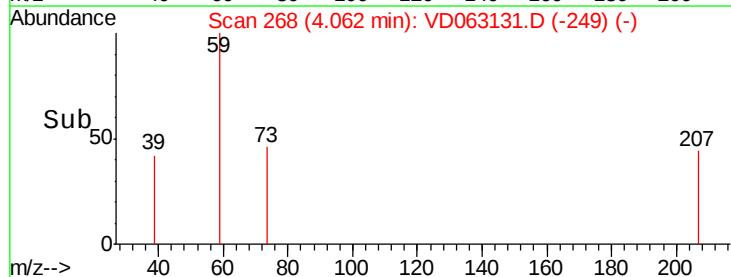
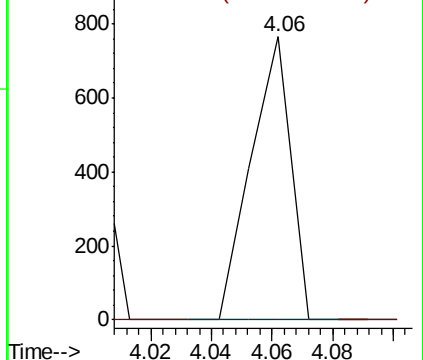
Acq: 17 Jul 2019 15:07

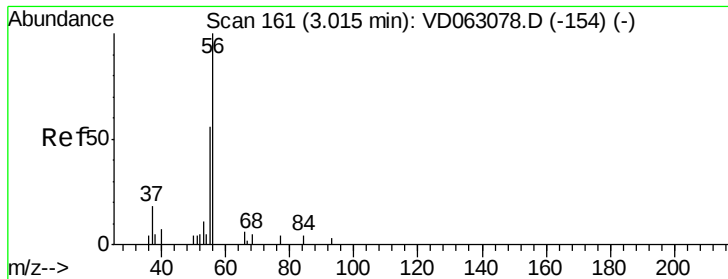
Tgt Ion: 59 Resp: 693

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





#13

Acrolein

Concen: 1.462 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.05 min

Lab File: VD063131.D

Acq: 17 Jul 2019 15:07

Instrument :

MSVOA_D

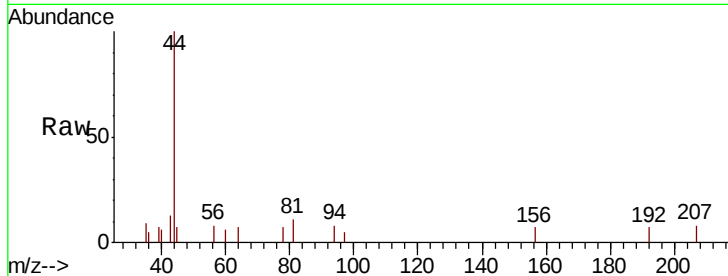
ClientSampleId :

Tot Ion: 56 Resp: 274

Ion Ratio Lower Upper

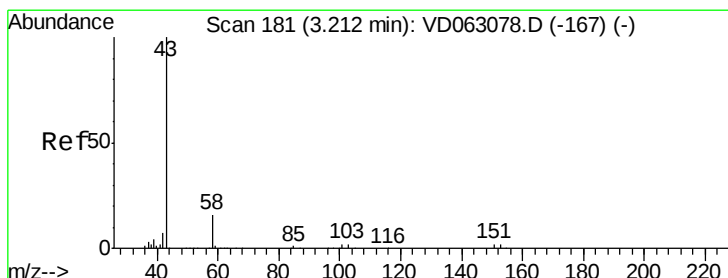
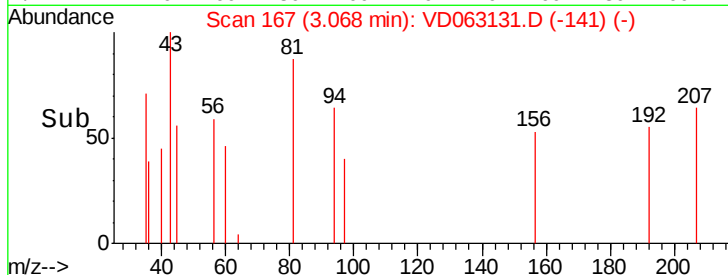
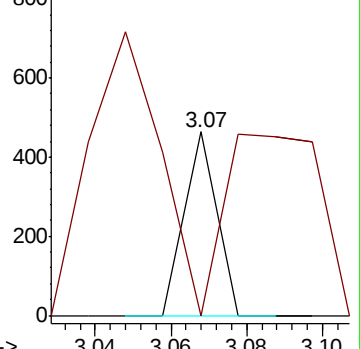
56 100

55 0.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 5.237 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063131.D

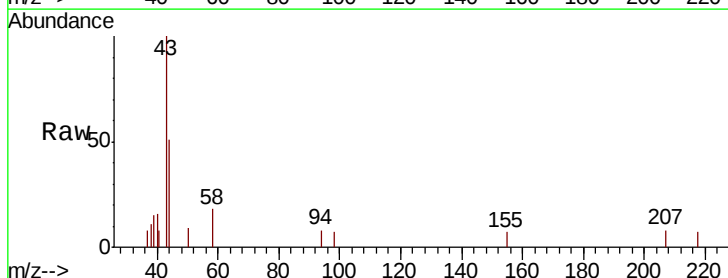
Acq: 17 Jul 2019 15:07

Tgt Ion: 43 Resp: 13608

Ion Ratio Lower Upper

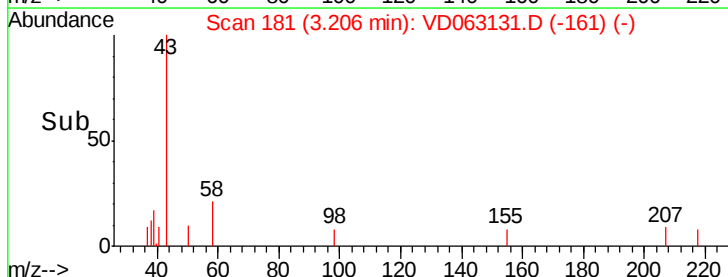
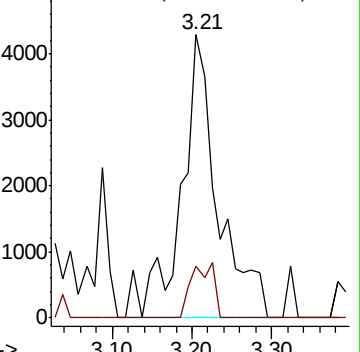
43 100

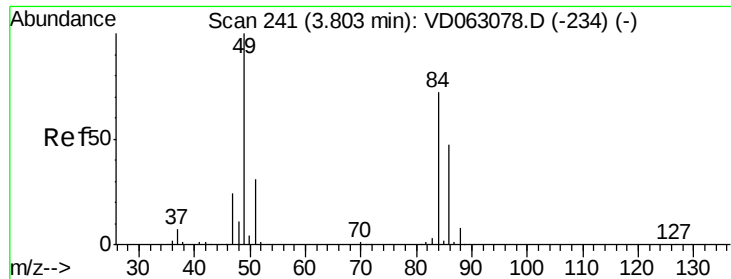
58 18.3 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

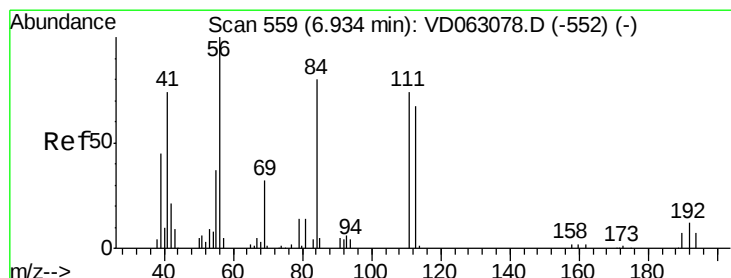
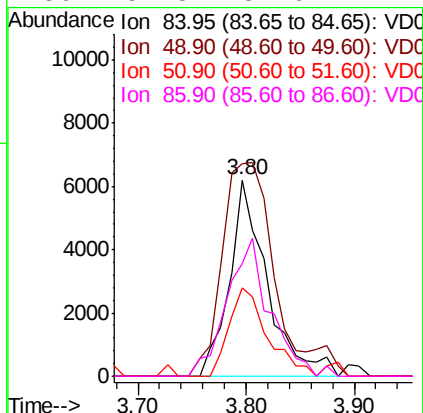
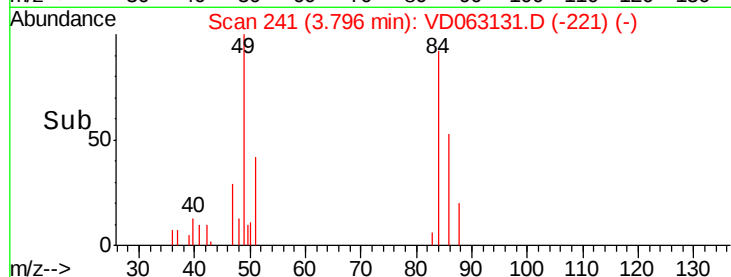
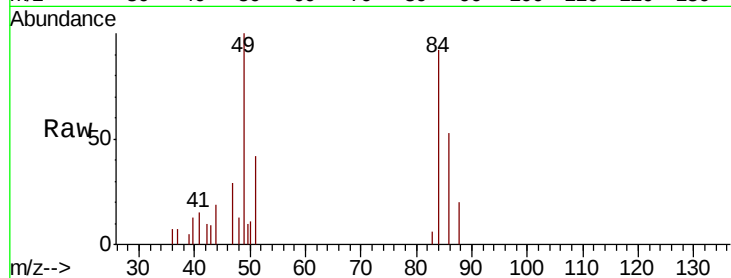




#20
Methvlene Chloride
Concen: 1.527 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

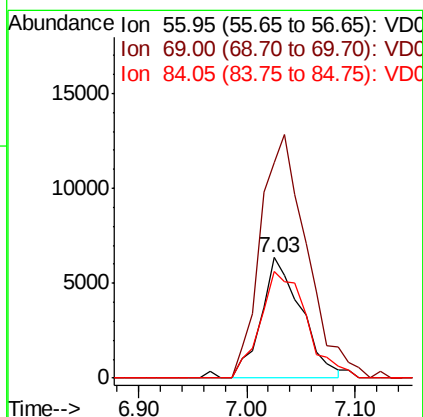
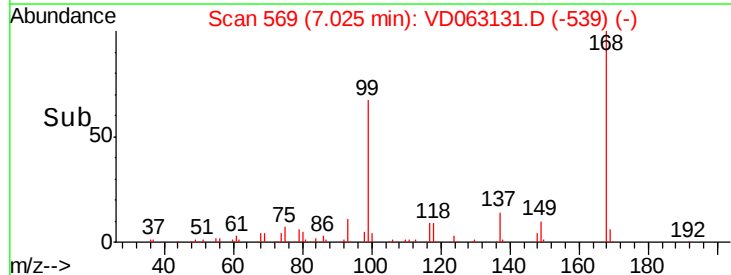
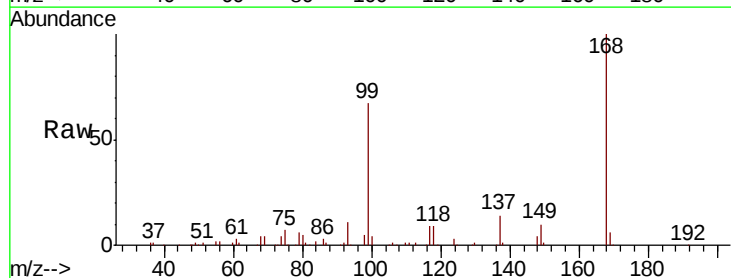
Instrument :
MSVOA_D
ClientSampleId :

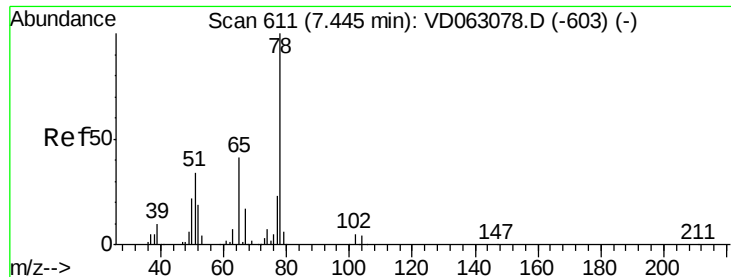
Tot Ion: 84 Resp: 14992
Ion Ratio Lower Upper
84 100
49 108.7 110.5 165.7#
51 45.4 34.6 51.8
86 57.8 51.6 77.4



#31
Cyclohexane
Concen: 1.636 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

Tgt Ion: 56 Resp: 16753
Ion Ratio Lower Upper
56 100
69 179.0 25.3 37.9#
84 89.0 64.2 96.4

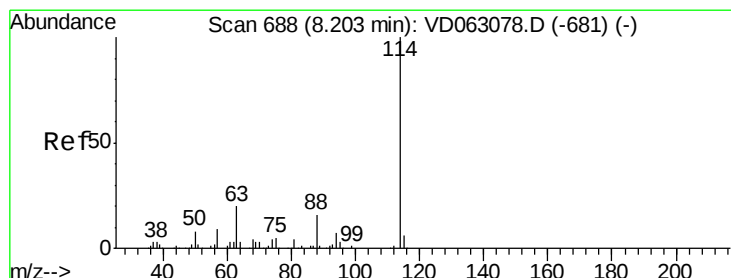
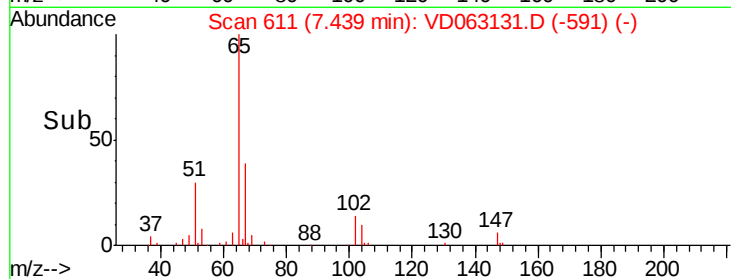
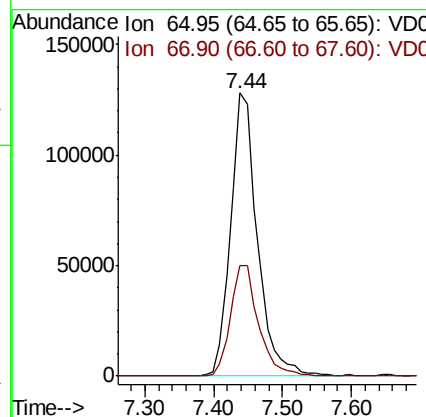
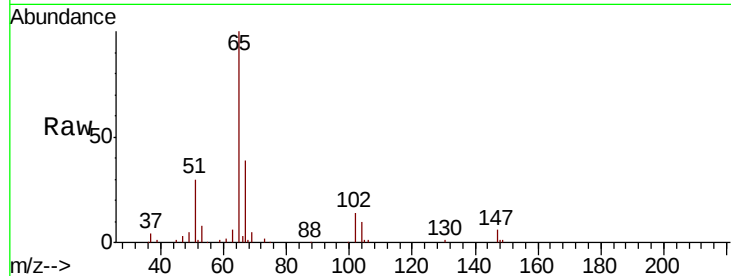




#33
 1,2-Dichloroethane-d4
 Concen: 32.018 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063131.D
 Acq: 17 Jul 2019 15:07

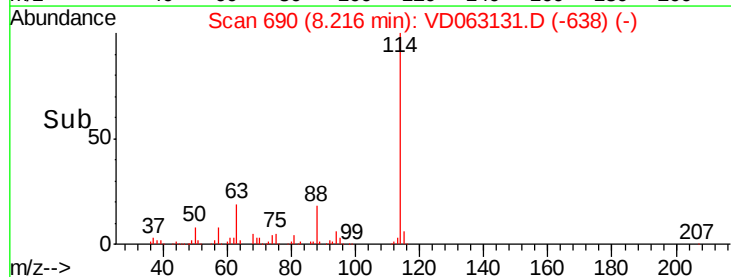
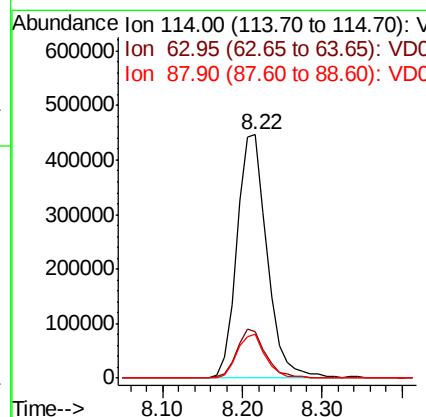
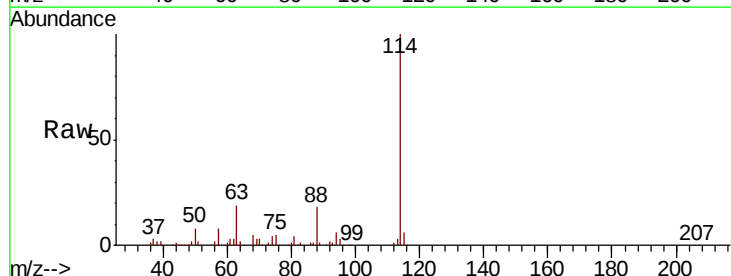
Instrument :
 MSVOA_D
 ClientSampleId :

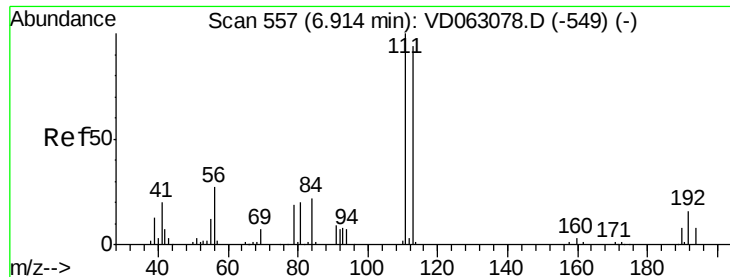
Tot Ion: 65 Resp: 344455
 Ion Ratio Lower Upper
 65 100
 67 39.2 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063131.D
 Acq: 17 Jul 2019 15:07

Tgt Ion: 114 Resp: 1173075
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.6
 88 18.1 0.0 32.6

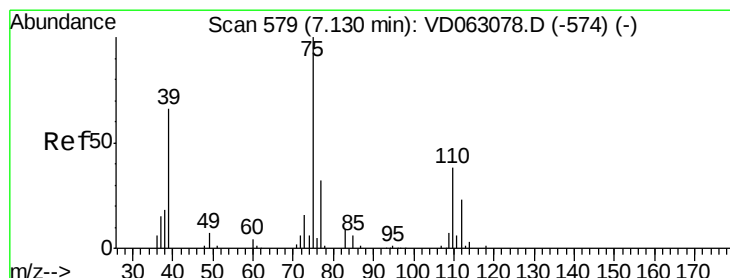
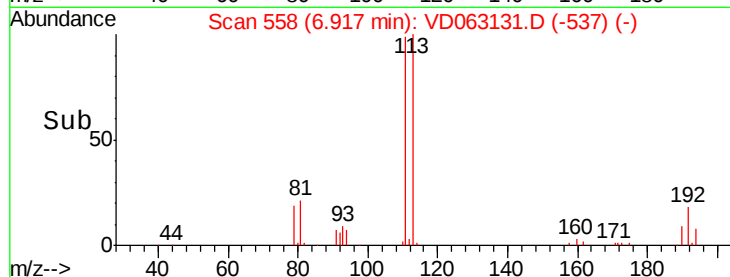
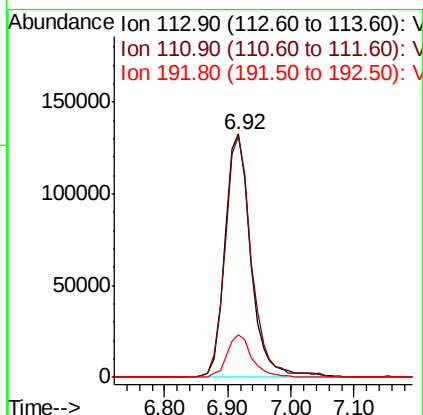
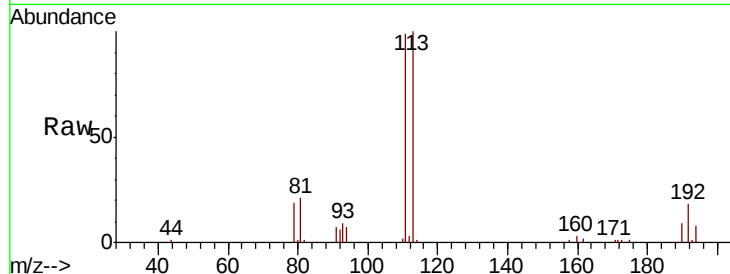




#35
Dibromofluoromethane
Concen: 32.199 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

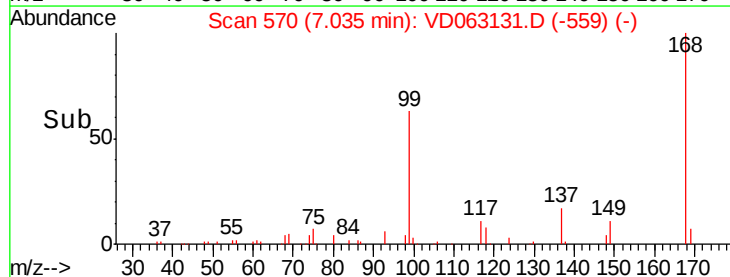
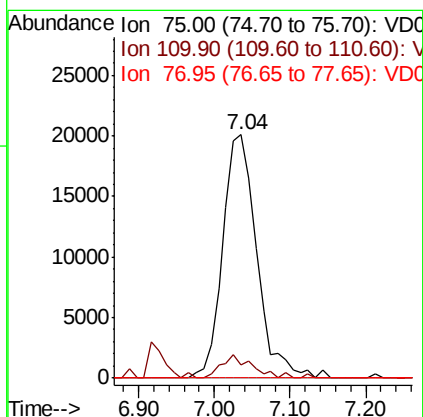
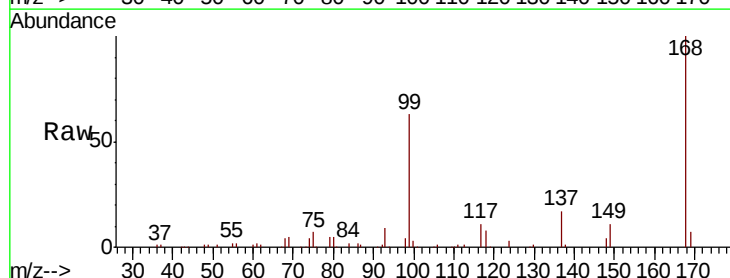
Instrument :
MSVOA_D
ClientSampleId :

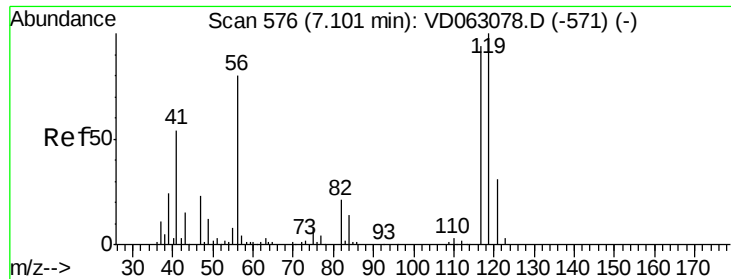
Tot Ion:113 Resp: 376220
Ion Ratio Lower Upper
113 100
111 99.0 84.8 127.2
192 17.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.739 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

Tgt Ion: 75 Resp: 62524
Ion Ratio Lower Upper
75 100
110 5.6 18.9 56.5#
77 0.0 25.2 37.8#

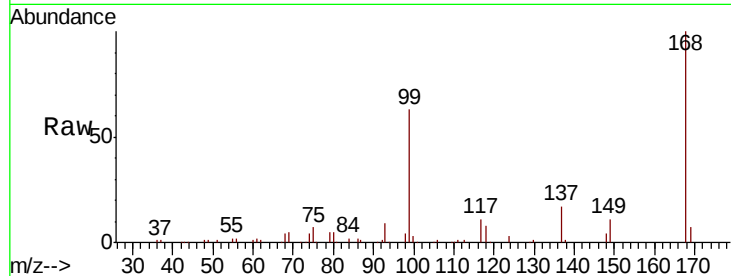




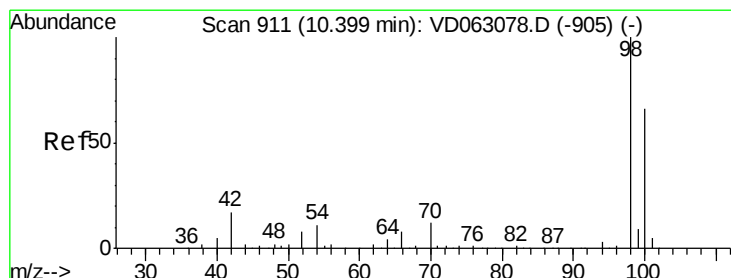
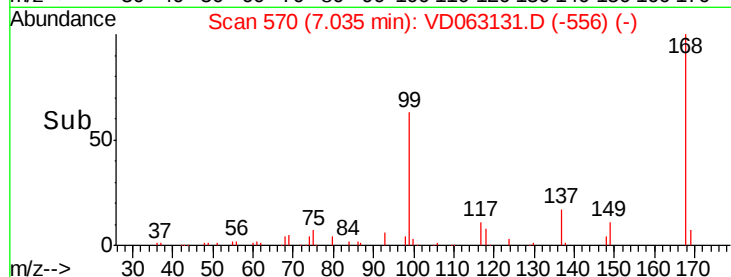
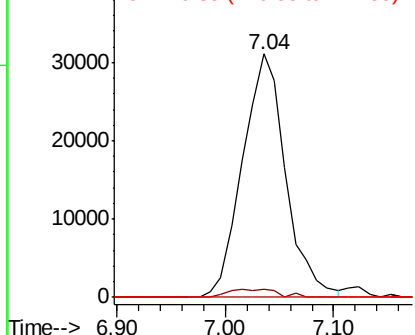
#38
Carbon Tetrachloride
Concen: 4.295 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 86103
Ion Ratio Lower Upper
117 100
119 3.6 80.0 120.0#
121 0.0 25.0 37.4#

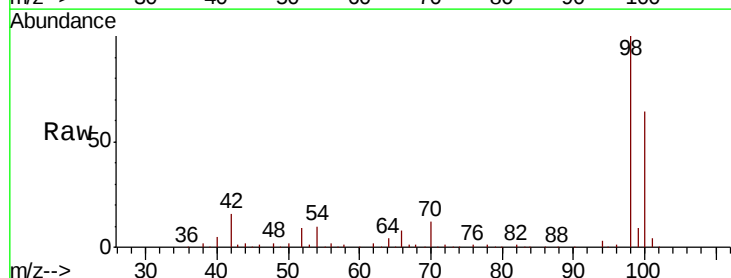


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

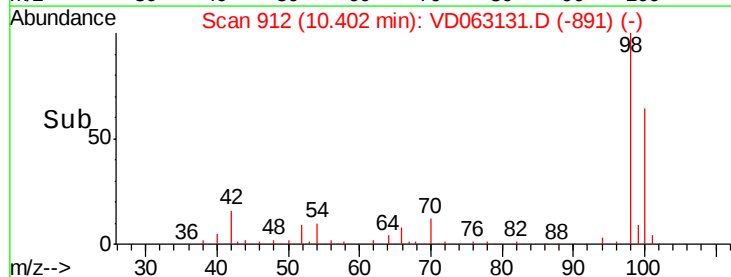
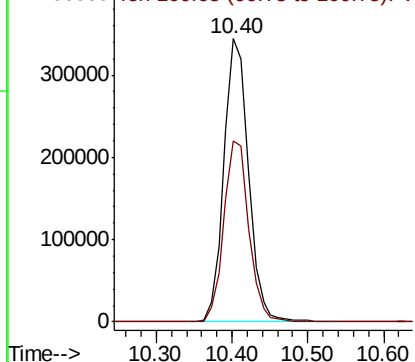


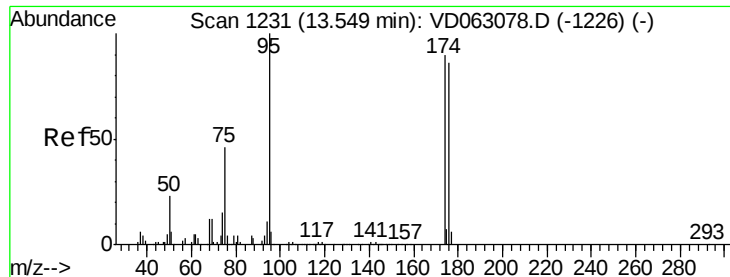
#50
Toluene-d8
Concen: 30.956 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

Tgt Ion: 98 Resp: 776920
Ion Ratio Lower Upper
98 100
100 64.0 53.5 80.3



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

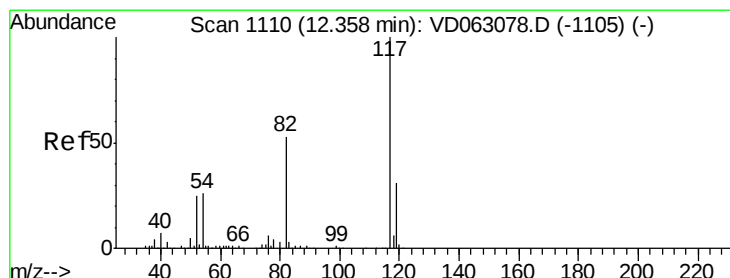
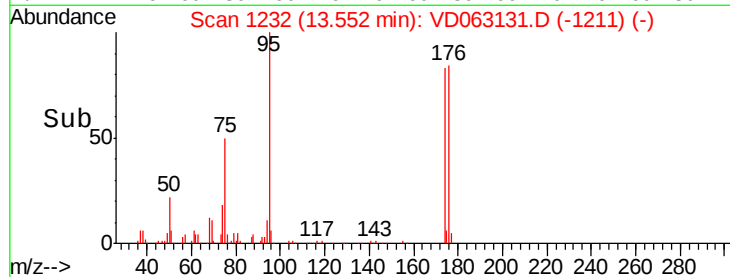
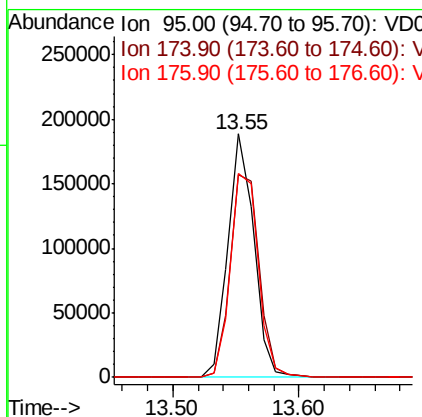
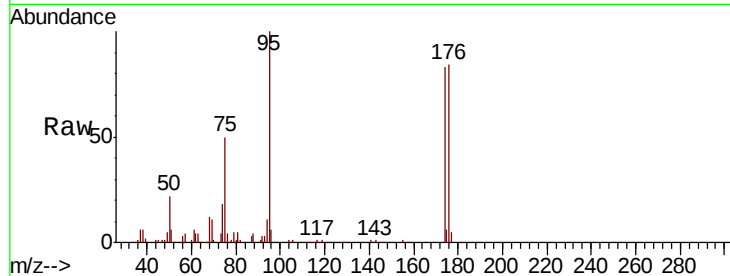




#62
4-Bromofluorobenzene
Concen: 22.961 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

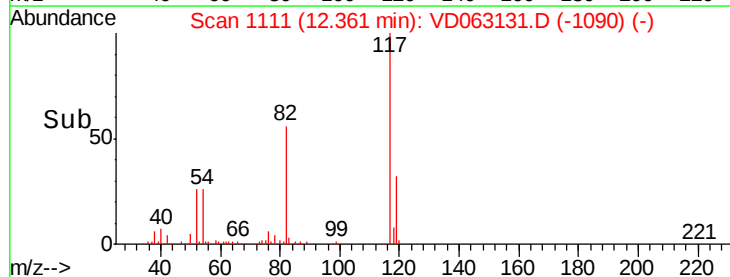
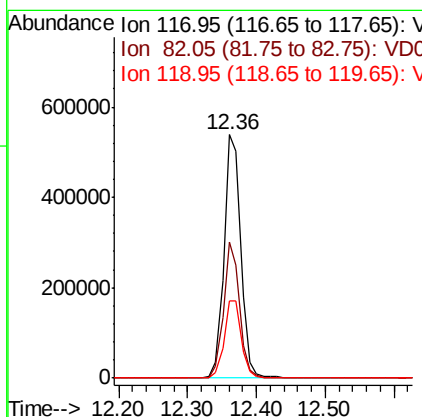
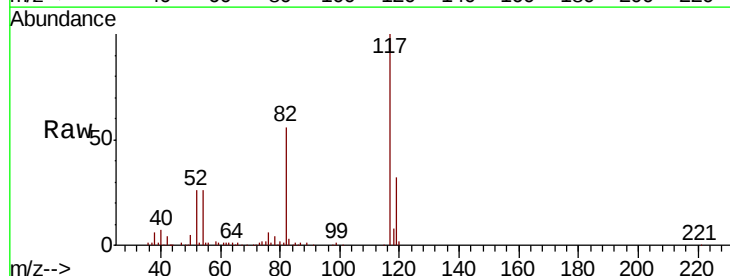
Instrument :
MSVOA_D
ClientSampled :

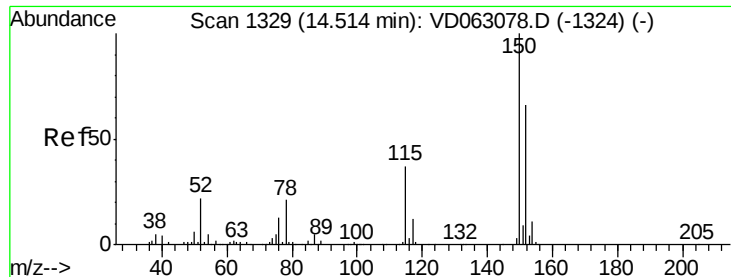
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	180.6
176	83.8	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063131.D
Acq: 17 Jul 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	42.3	63.5
119	31.8	25.2	37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063131.D

Acq: 17 Jul 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

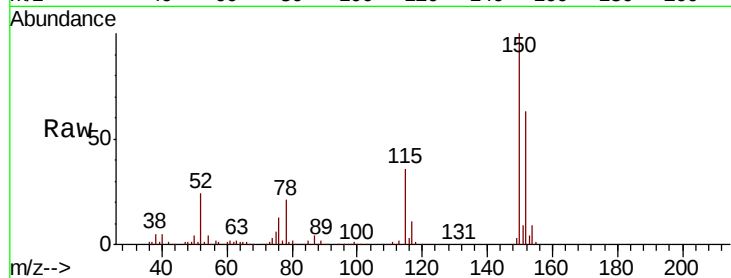
Tot Ion:152 Resp: 392255

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.8

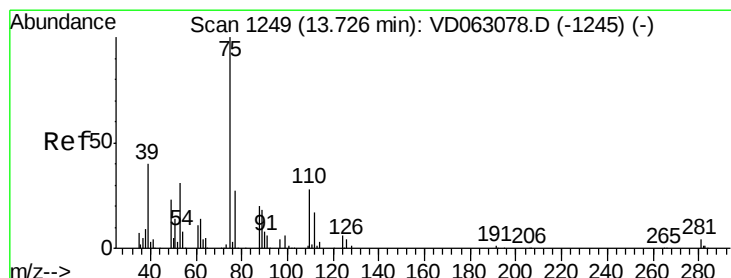
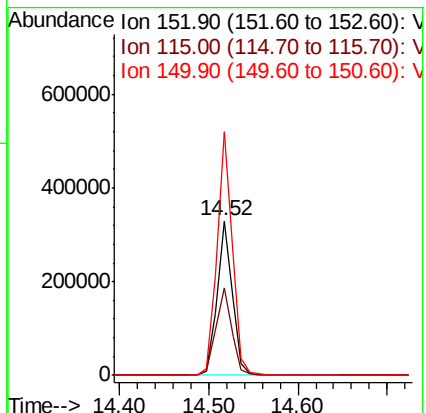
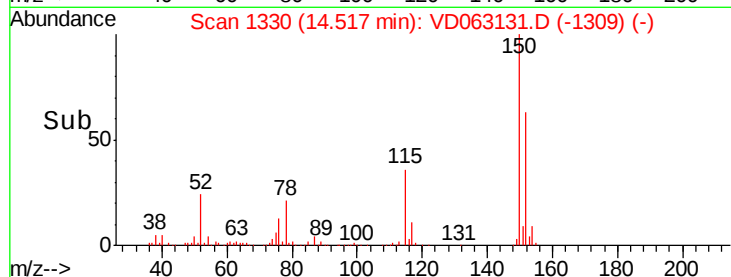
150 158.1 0.0 313.8



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: 15.911 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063131.D

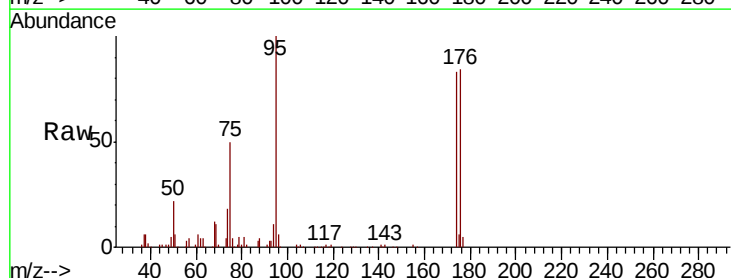
Acq: 17 Jul 2019 15:07

Tgt Ion: 75 Resp: 96005

Ion Ratio Lower Upper

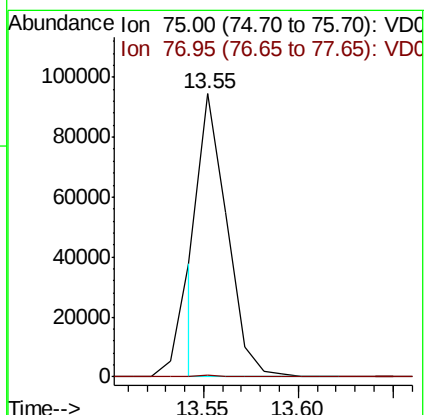
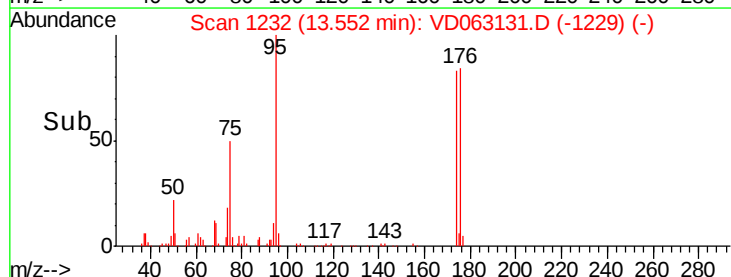
75 100

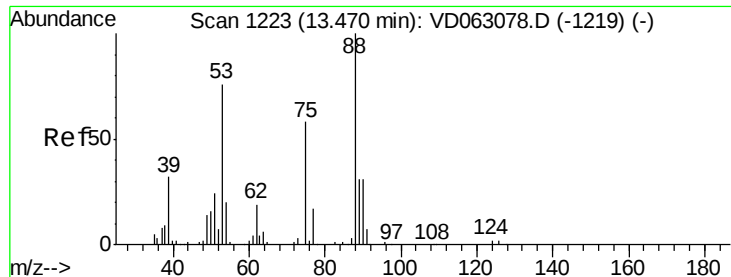
77 0.6 16.3 48.8#



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: 76.451 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063131.D

Acq: 17 Jul 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 121479

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

