

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063646.D
 Acq On : 16 Aug 2019 18:58
 Operator : JC/SY
 Sample : K4391-01
 Misc : 4.99g/5ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N-WALL-1

Quant Time: Aug 17 06:03:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

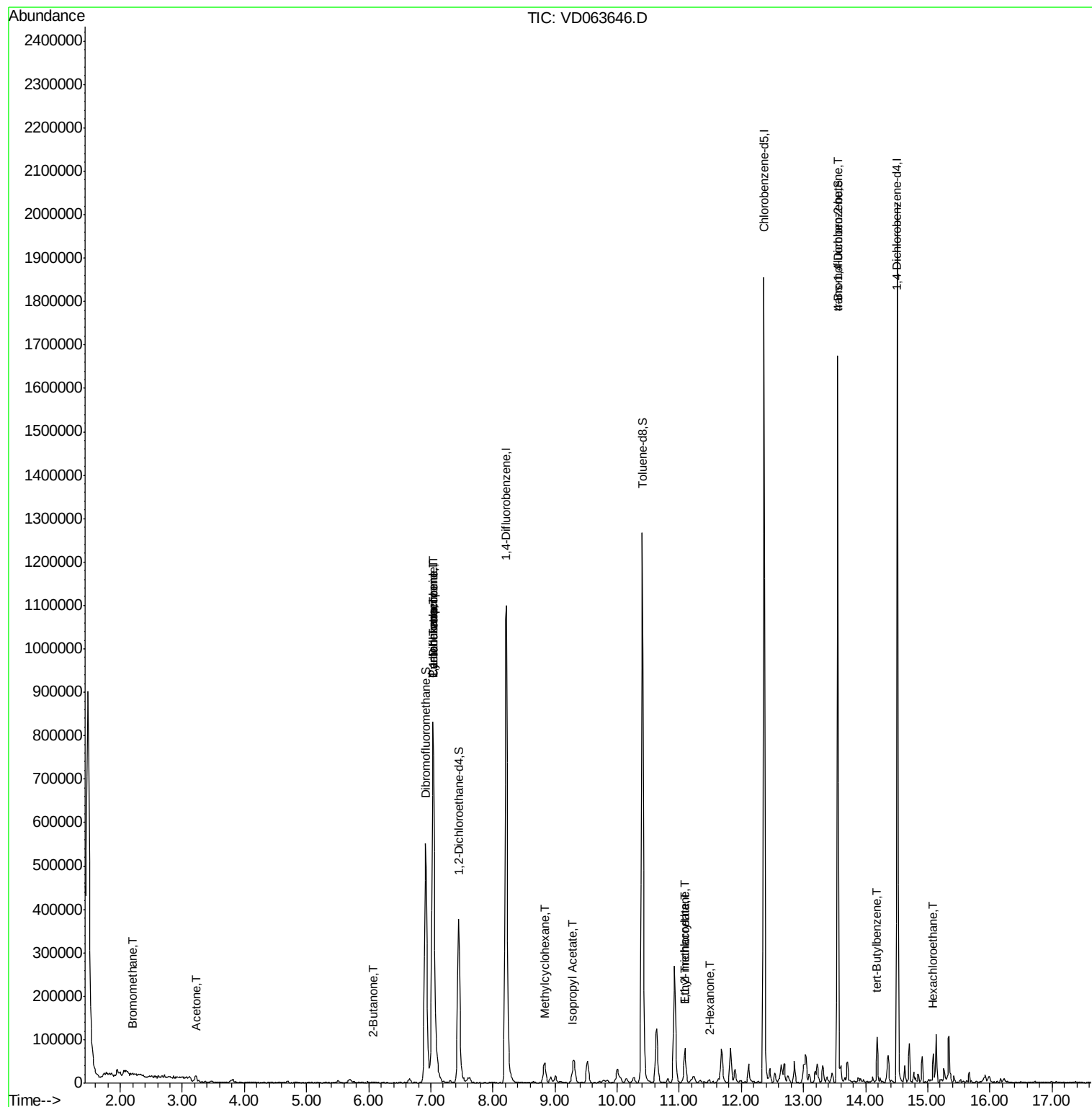
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	806238	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1191655	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	983663	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	497644	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	447671	51.95	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.90%	
35) Dibromofluoromethane	6.92	113	487374	48.56	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.12%	
50) Toluene-d8	10.40	98	978219	44.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.66%	
62) 4-Bromofluorobenzene	13.55	95	446281	44.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.24%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.19	94	3646	1.021	ug/l #	11
16) Acetone	3.22	43	27731	15.829	ug/l	99
25) 2-Butanone	6.07	43	2516	1.454	ug/l #	58
31) Cyclohexane	7.05	56	21628	2.779	ug/l #	31
36) 1,1-Dichloropropene	7.04	75	64554	6.128	ug/l #	47
38) Carbon Tetrachloride	7.04	117	79075	4.981	ug/l #	17
39) Methylcyclohexane	8.83	83	12754	1.424	ug/l #	37
43) Isopropyl Acetate	9.27	43	7609	1.287	ug/l #	48
55) 1,1,2-Trichloroethane	11.09	97	32372	6.418	ug/l #	23
56) Ethyl methacrylate	11.09	69	7932	1.449	ug/l #	1
59) 2-Hexanone	11.49	43	4227	1.436	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	200320	130.498	ug/l #	1
83) tert-Butylbenzene	14.18	119	38592	1.325	ug/l	94
90) Hexachloroethane	15.09	117	16827	2.264	ug/l #	12

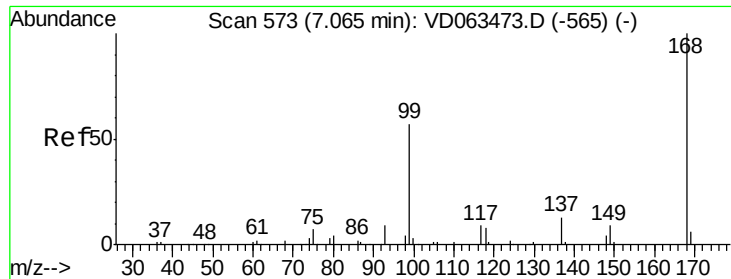
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
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Quant Time: Aug 17 06:03:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

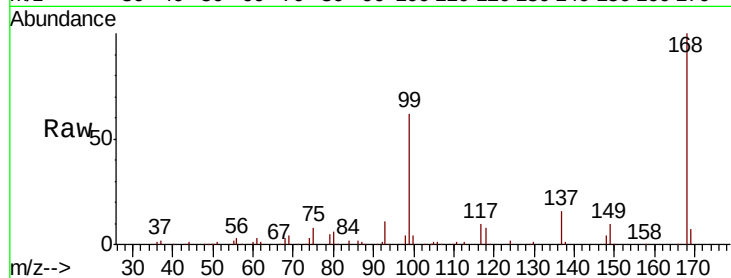
N-WALL-1

Tgt Ion:168 Resp: 806238

Ion Ratio Lower Upper

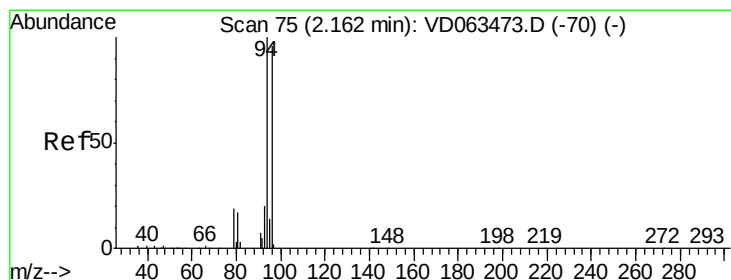
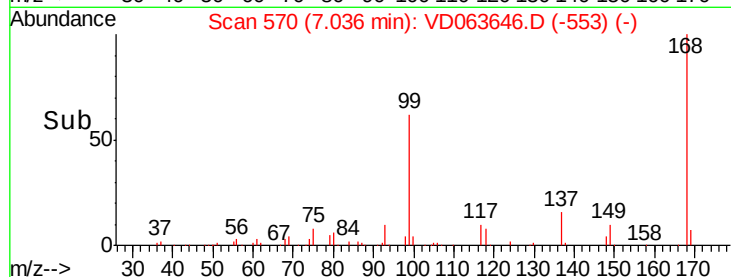
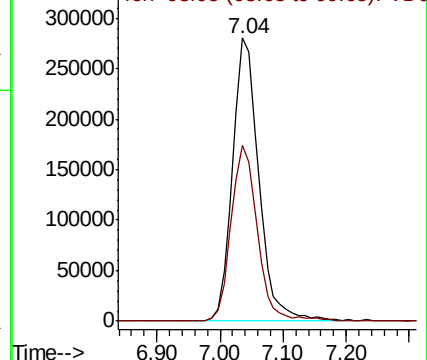
168 100

99 62.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.021 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.03 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

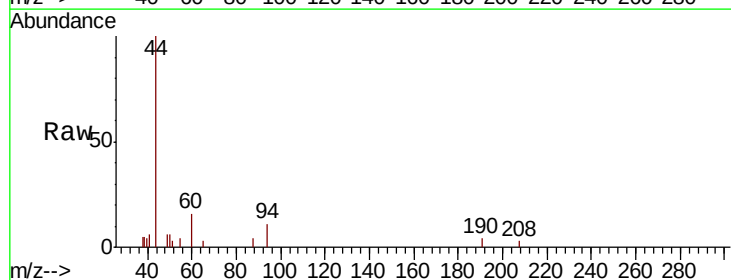
Tgt Ion: 94 Resp: 3646

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

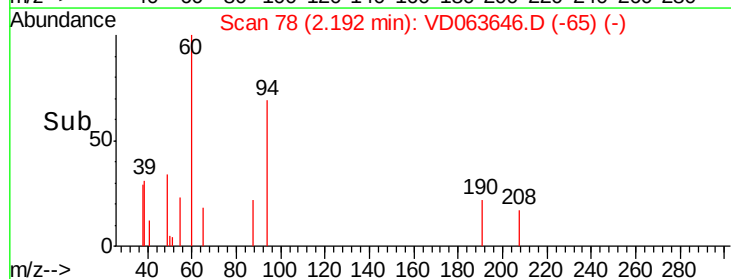
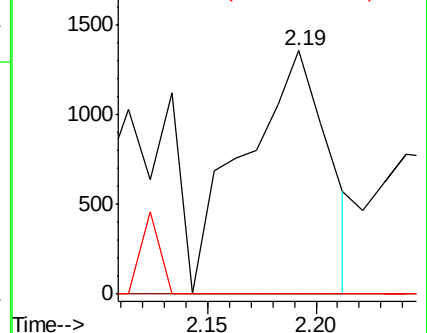
93 0.0 15.8 23.8#

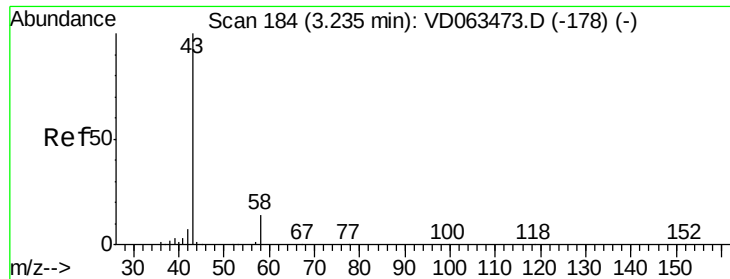


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 15.829 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

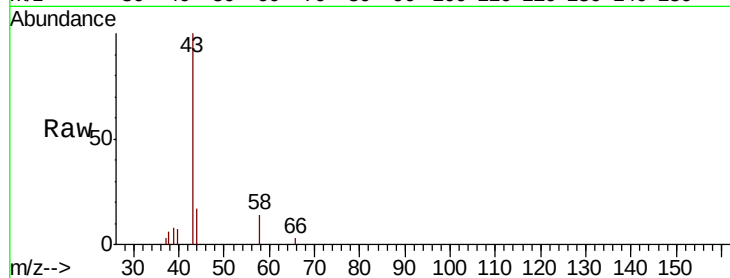
N-WALL-1

Tgt Ion: 43 Resp: 27731

Ion Ratio Lower Upper

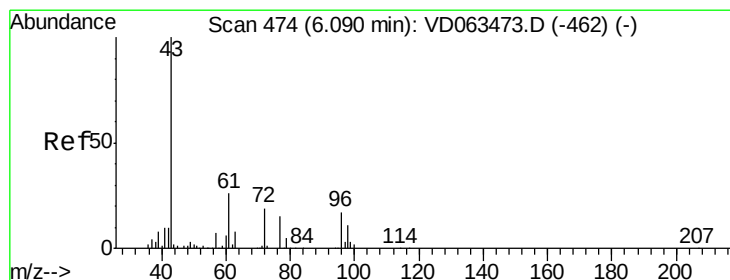
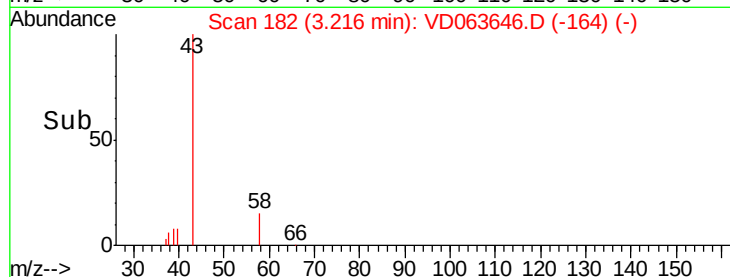
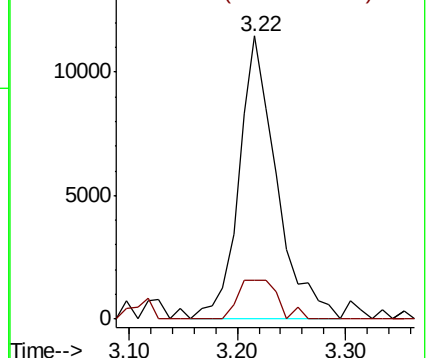
43 100

58 13.7 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 1.454 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063646.D

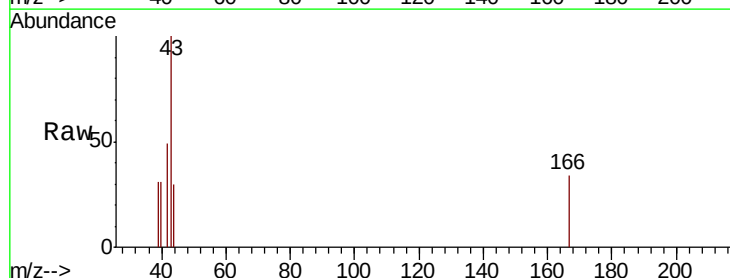
Acq: 16 Aug 2019 18:58

Tgt Ion: 43 Resp: 2516

Ion Ratio Lower Upper

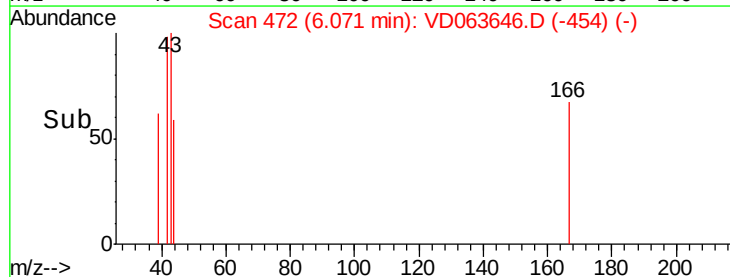
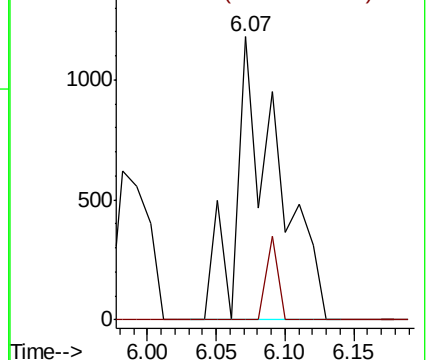
43 100

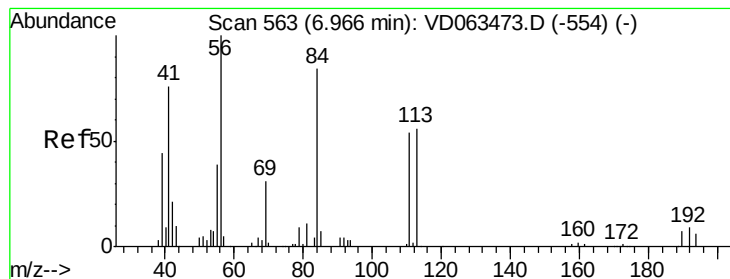
72 0.0 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 2.779 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-1

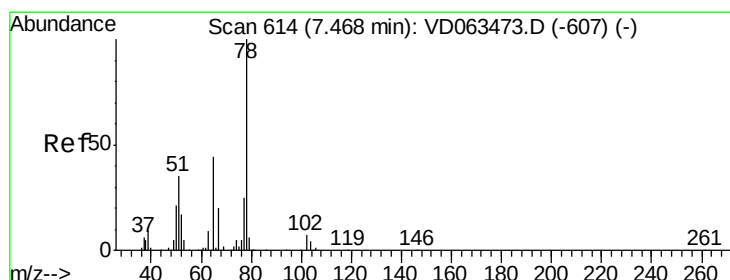
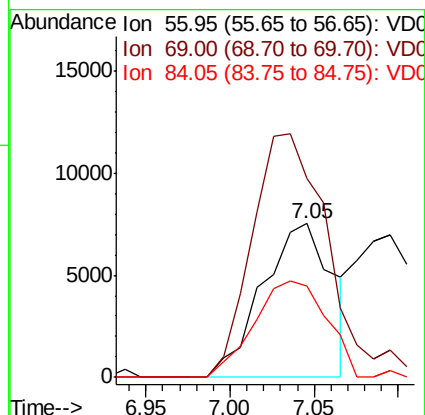
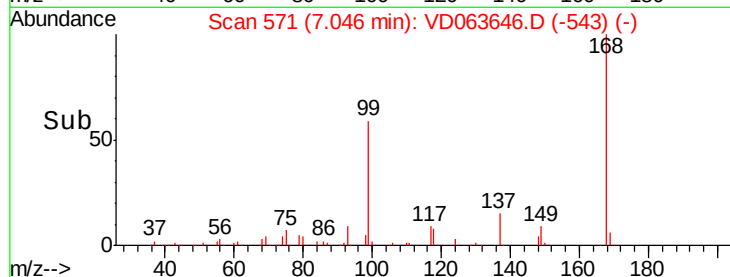
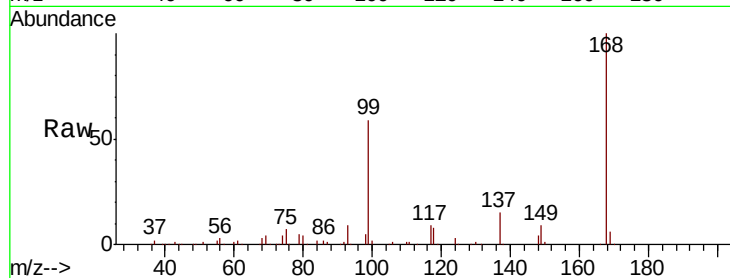
Tgt Ion: 56 Resp: 21628

Ion Ratio Lower Upper

56 100

69 129.6 25.0 37.6#

84 59.3 69.7 104.5#



#33

1,2-Dichloroethane-d4

Concen: 51.946 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063646.D

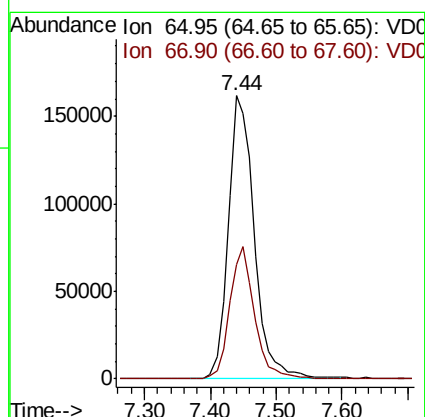
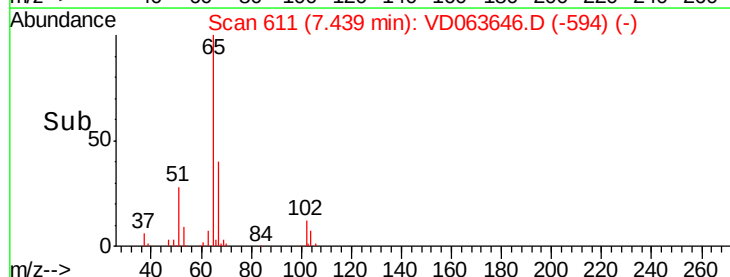
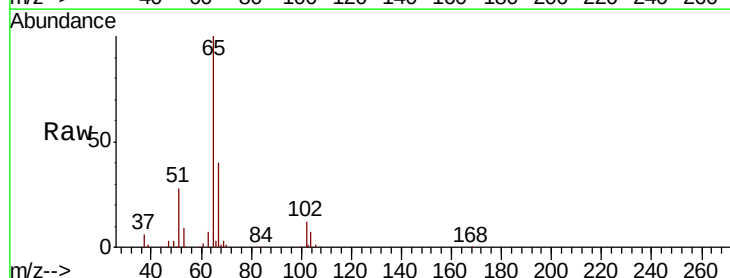
Acq: 16 Aug 2019 18:58

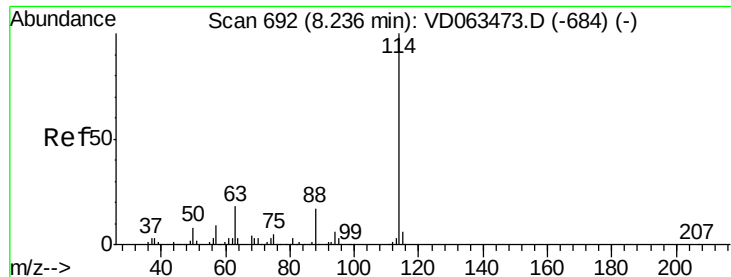
Tgt Ion: 65 Resp: 447671

Ion Ratio Lower Upper

65 100

67 40.2 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-1

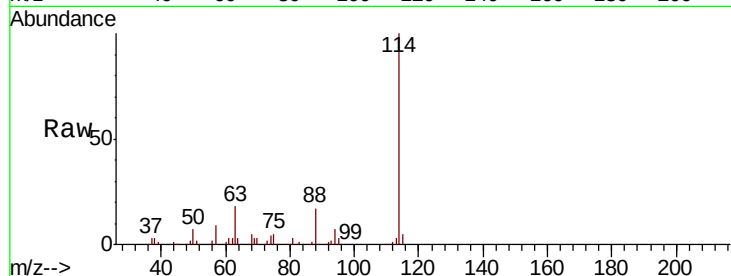
Tgt Ion:114 Resp: 1191655

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

88 16.9 0.0 35.0



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

600000

500000

400000

300000

200000

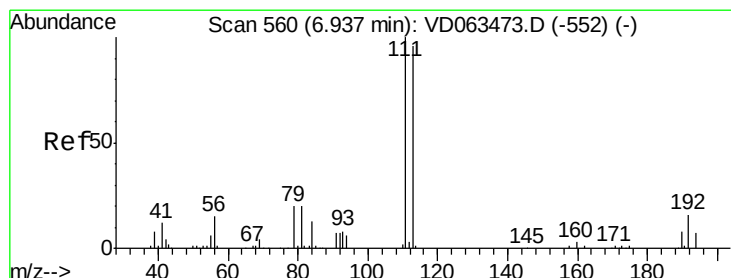
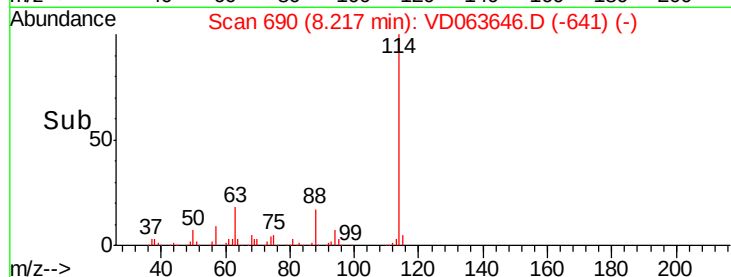
100000

0

8.22

8.10 8.20 8.30 8.40

Time-->



#35

Dibromofluoromethane

Concen: 48.562 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

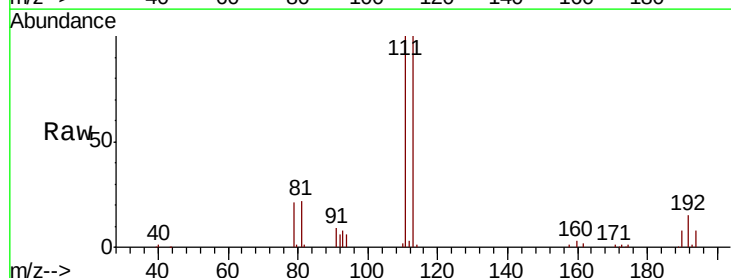
Tgt Ion:113 Resp: 487374

Ion Ratio Lower Upper

113 100

111 99.9 83.1 124.7

192 15.3 13.1 19.7



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

200000

150000

100000

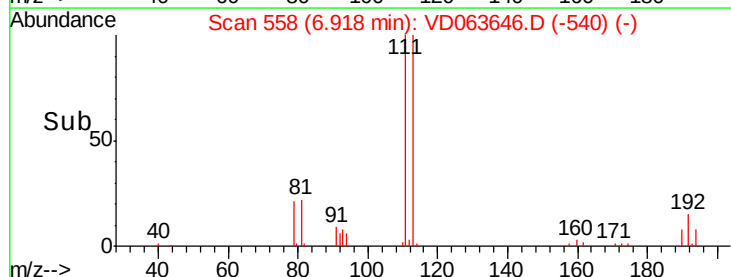
50000

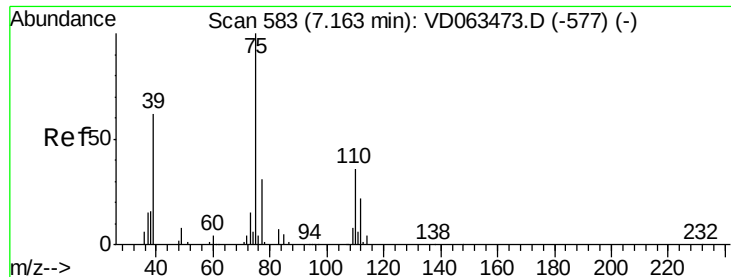
0

6.92

6.80 6.90 7.00 7.10

Time-->

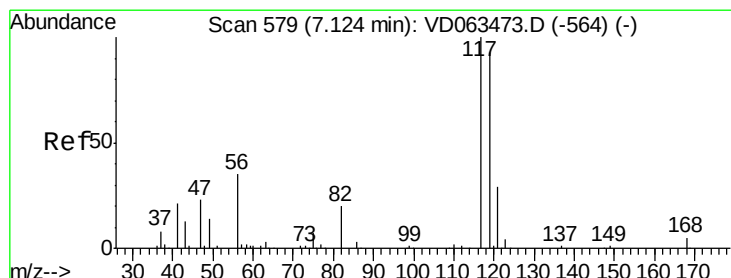
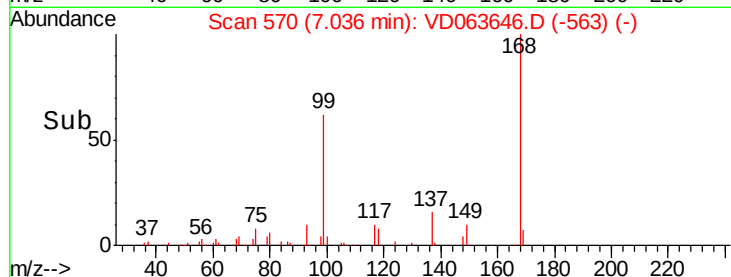
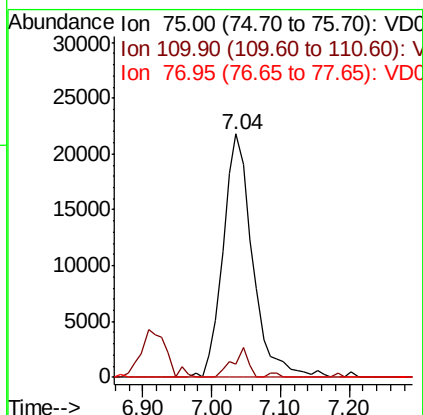
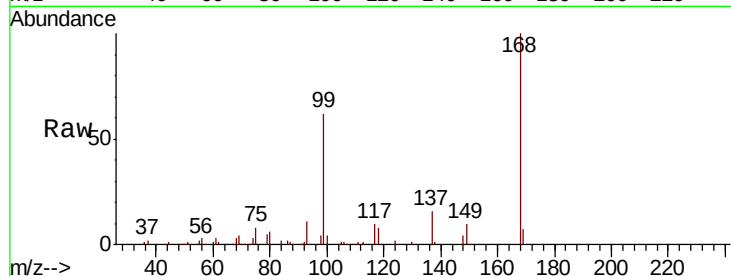




#36
 1,1-Dichloropropene
 Concen: 6.128 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063646.D
 Acq: 16 Aug 2019 18:58

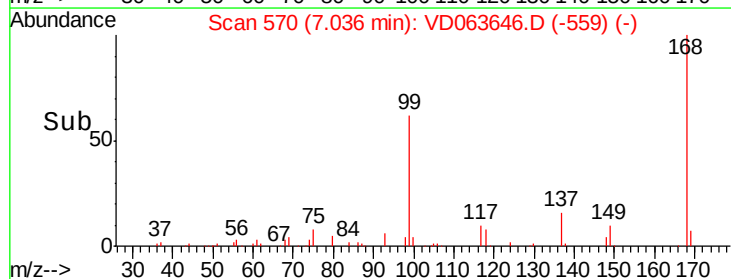
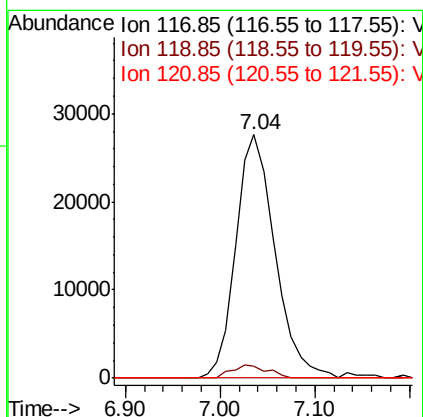
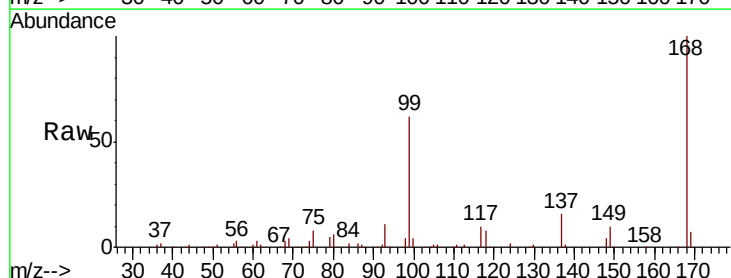
Instrument :
 MSVOA_D
 ClientSampled :
 N-WALL-1

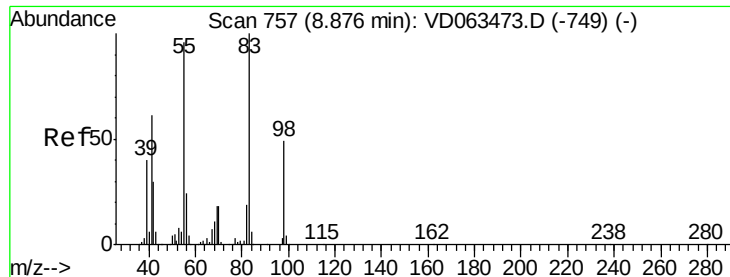
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.7	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 4.981 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063646.D
 Acq: 16 Aug 2019 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.2	111.2#
121	0.0	23.1	34.7#





#39

Methylcyclohexane

Concen: 1.424 ug/l

RT: 8.83 min Scan# 752

Delta R.T. -0.05 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-1

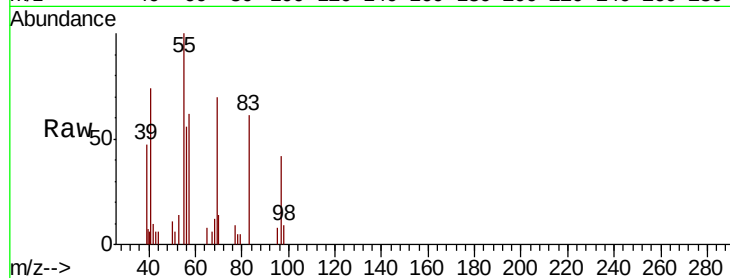
Tgt Ion: 83 Resp: 12754

Ion Ratio Lower Upper

83 100

55 163.7 76.6 114.8#

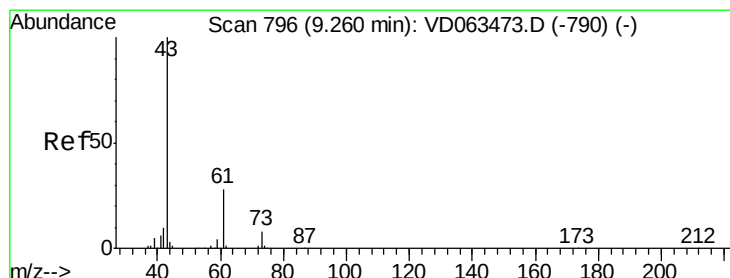
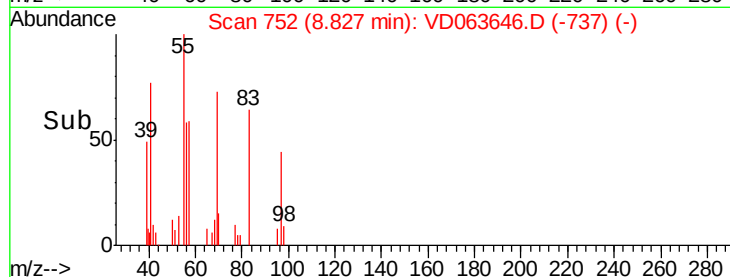
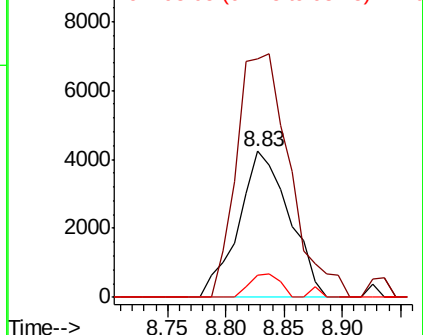
98 14.8 39.4 59.0#



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#43

Isopropyl Acetate

Concen: 1.287 ug/l

RT: 9.27 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

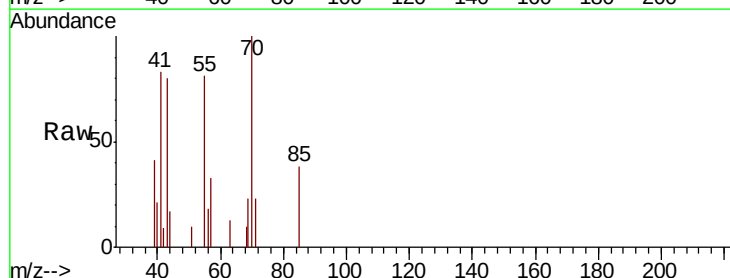
Tgt Ion: 43 Resp: 7609

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.2#

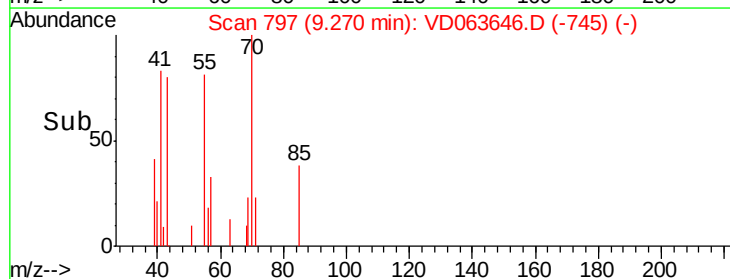
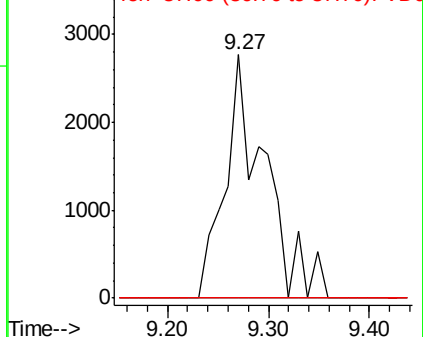
87 0.0 0.2 0.4#

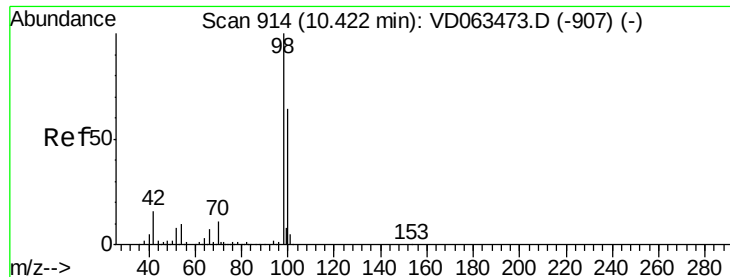


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

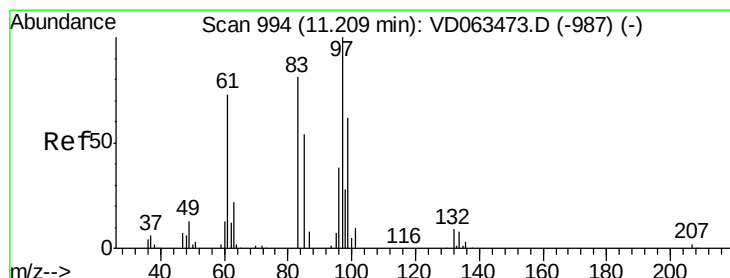
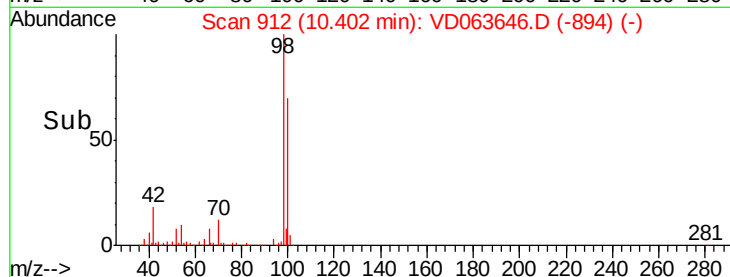
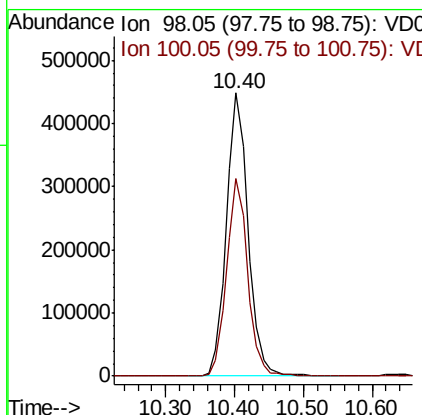
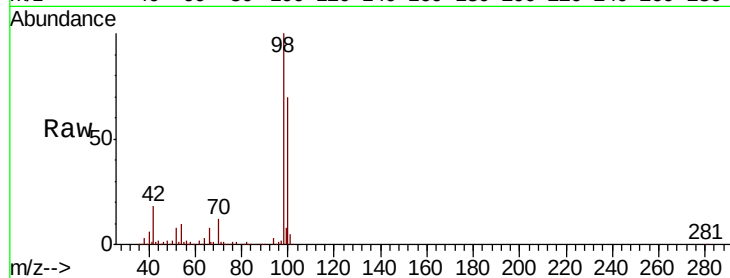




#50
Toluene-d8
Concen: 44.333 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063646.D
Acq: 16 Aug 2019 18:58

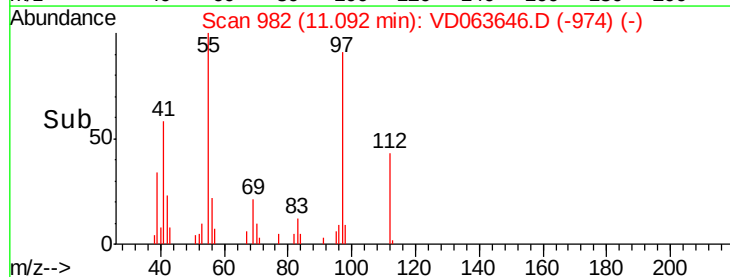
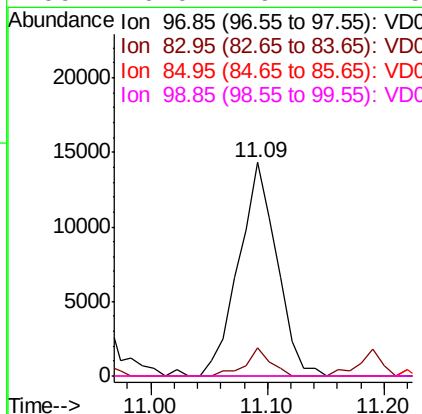
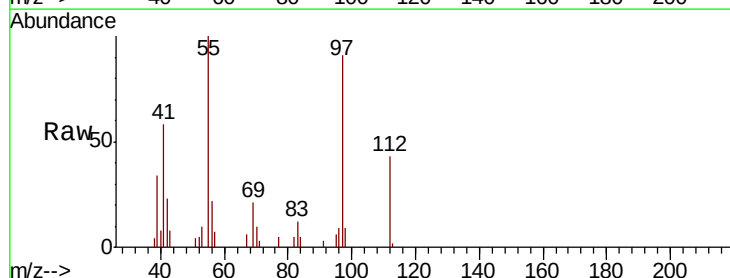
Instrument :
MSVOA_D
ClientSampleId :
N-WALL-1

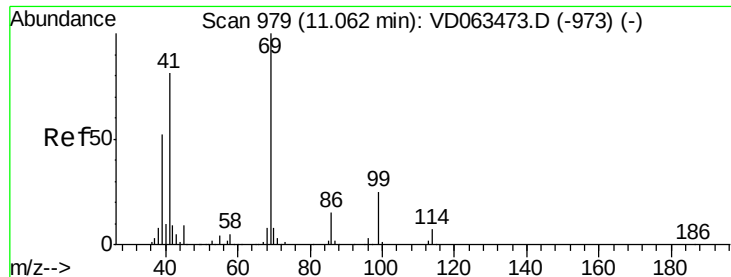
Tgt Ion: 98 Resp: 978219
Ion Ratio Lower Upper
98 100
100 69.9 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 6.418 ug/l
RT: 11.09 min Scan# 982
Delta R.T. -0.12 min
Lab File: VD063646.D
Acq: 16 Aug 2019 18:58

Tgt Ion: 97 Resp: 32372
Ion Ratio Lower Upper
97 100
83 13.0 64.7 97.1#
85 0.0 42.9 64.3#
99 0.0 49.7 74.5#





#56

Ethyl methacrylate

Concen: 1.449 ug/l

RT: 11.09 min Scan# 982

Delta R.T. 0.03 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-1

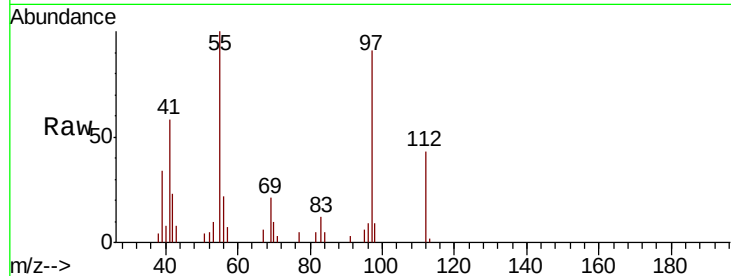
Tgt Ion: 69 Resp: 7932

Ion Ratio Lower Upper

69 100

41 285.2 64.8 97.2#

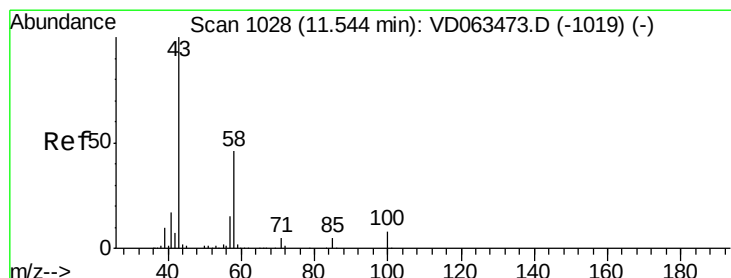
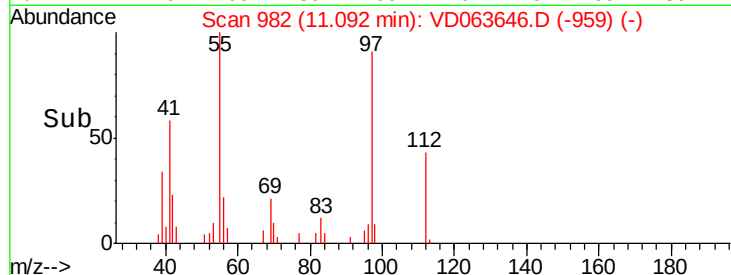
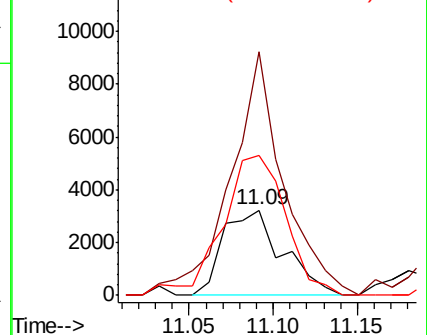
39 163.7 42.4 63.6#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 1.436 ug/l

RT: 11.49 min Scan# 1022

Delta R.T. -0.06 min

Lab File: VD063646.D

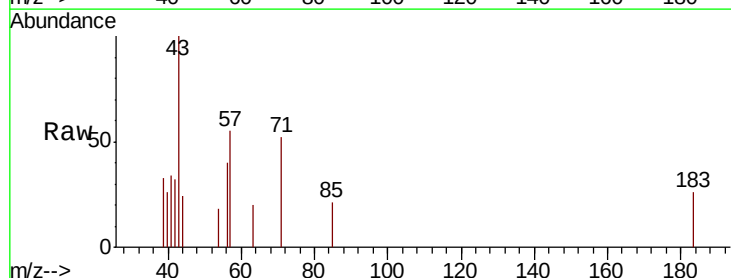
Acq: 16 Aug 2019 18:58

Tgt Ion: 43 Resp: 4227

Ion Ratio Lower Upper

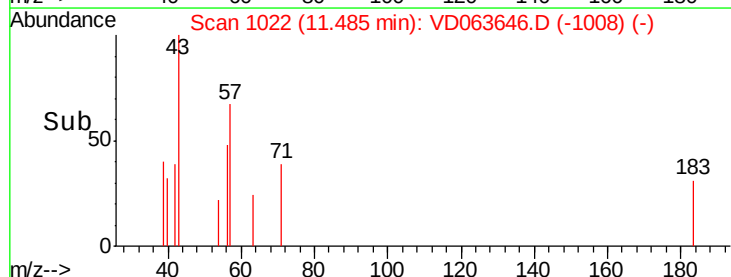
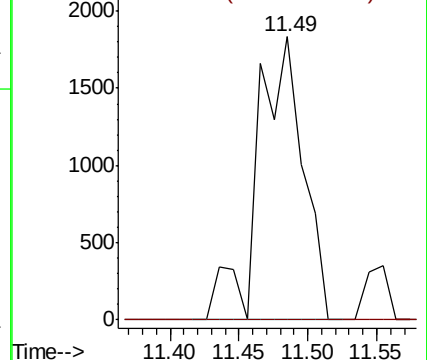
43 100

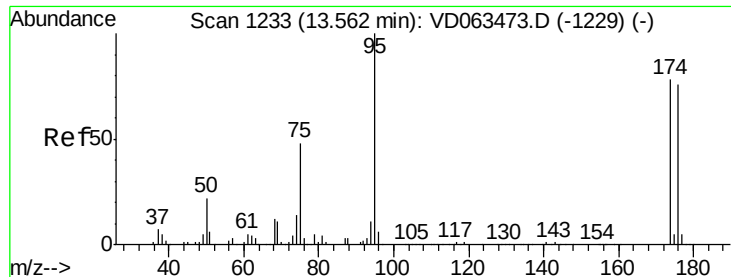
58 0.0 23.1 69.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

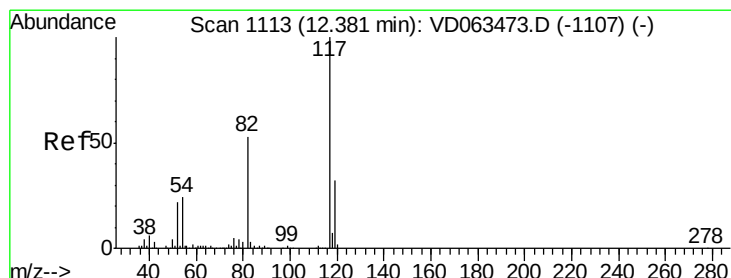
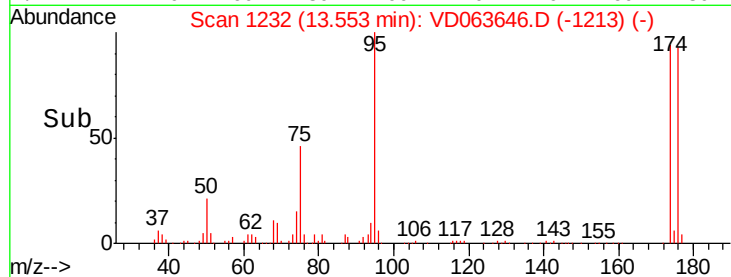
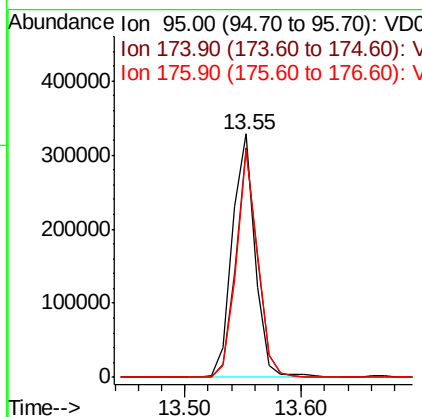
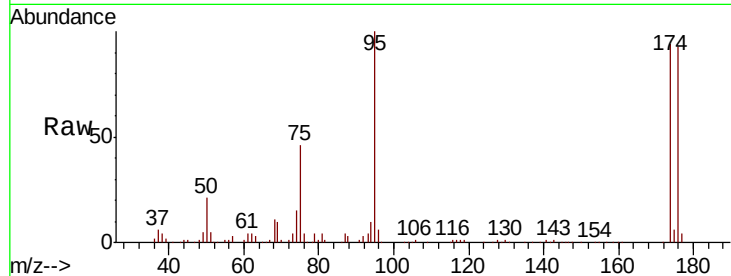




#62
4-Bromofluorobenzene
Concen: 44.624 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063646.D
Acq: 16 Aug 2019 18:58

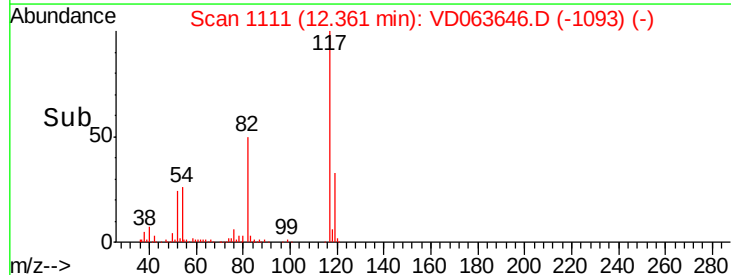
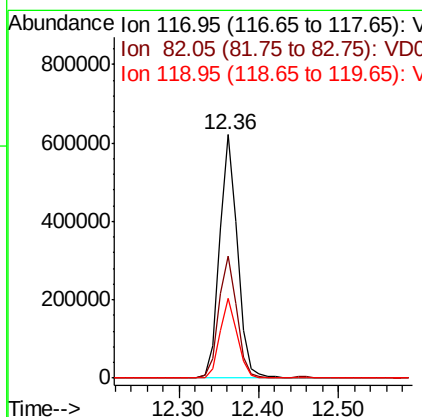
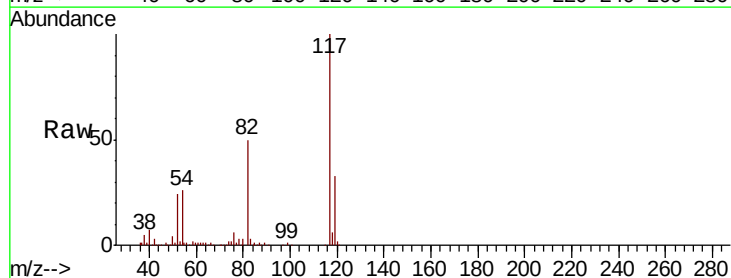
Instrument :
MSVOA_D
ClientSampleId :
N-WALL-1

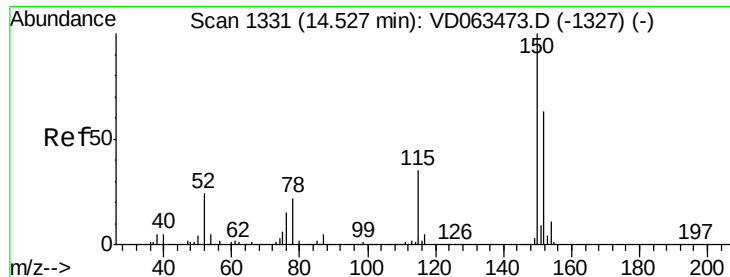
Tgt Ion: 95 Resp: 446281
Ion Ratio Lower Upper
95 100
174 94.2 0.0 155.4
176 93.2 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063646.D
Acq: 16 Aug 2019 18:58

Tgt Ion: 117 Resp: 983663
Ion Ratio Lower Upper
117 100
82 50.3 42.0 63.0
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

Instrument :

MSVOA_D

ClientSampleId :

N-WALL-1

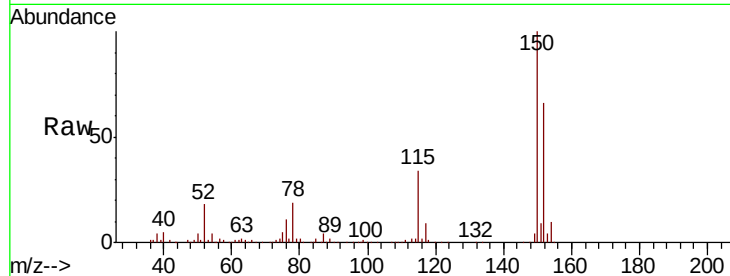
Tgt Ion: 152 Resp: 497644

Ion Ratio Lower Upper

152 100

115 51.2 30.9 92.7

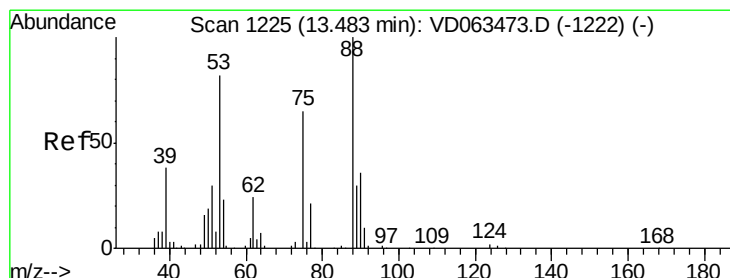
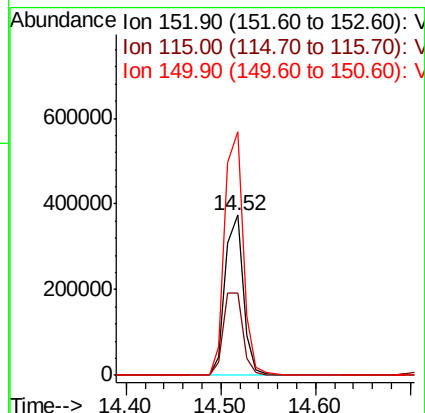
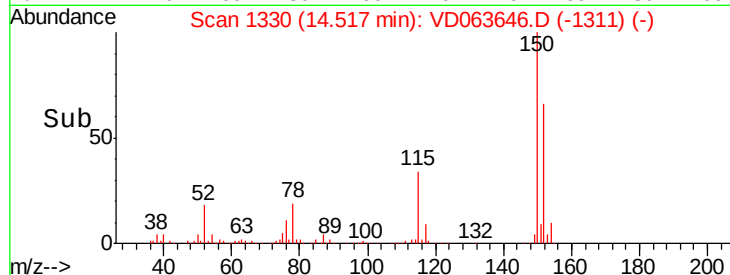
150 151.9 0.0 318.6



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: 130.498 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063646.D

Acq: 16 Aug 2019 18:58

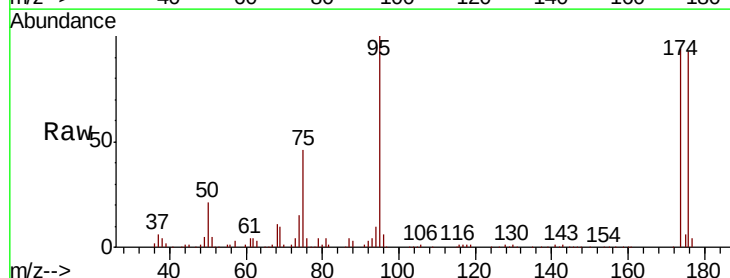
Tgt Ion: 75 Resp: 200320

Ion Ratio Lower Upper

75 100

53 0.3 101.0 151.4#

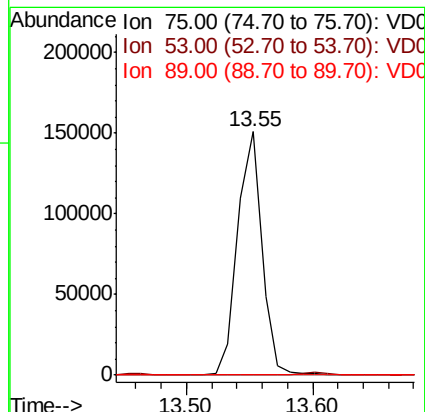
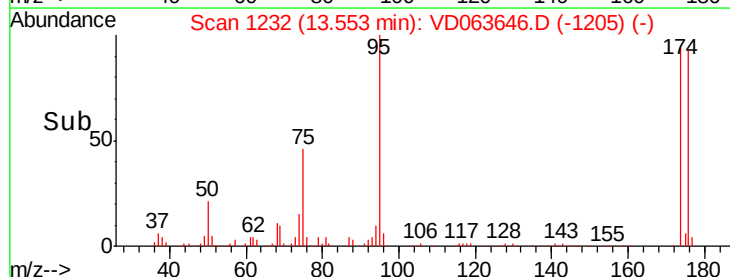
89 0.0 37.0 55.6#

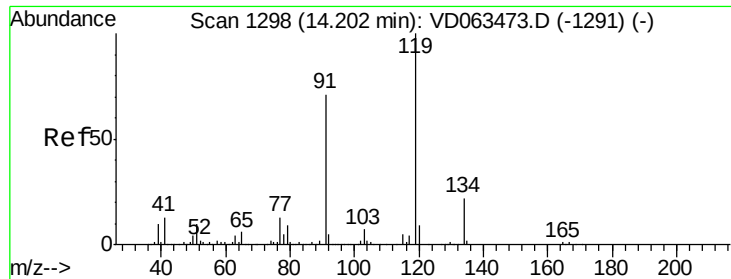


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

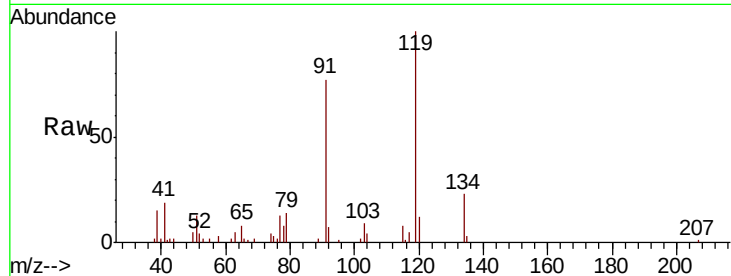




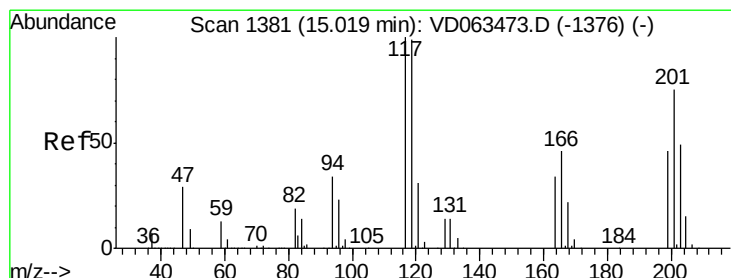
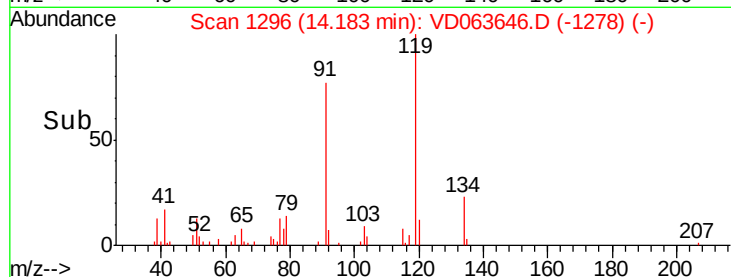
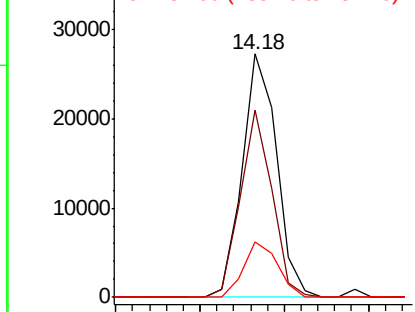
#83
 tert-Butylbenzene
 Concen: 1.325 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063646.D
 Acq: 16 Aug 2019 18:58

Instrument :
 MSVOA_D
 ClientSampleId :
 N-WALL-1

Tgt Ion:119 Resp: 38592
 Ion Ratio Lower Upper
 119 100
 91 76.9 35.5 106.7
 134 22.9 11.1 33.1

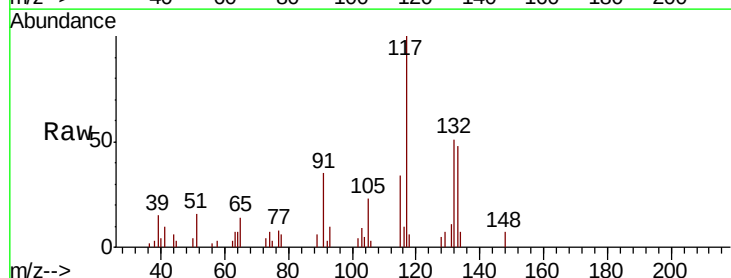


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



#90
 Hexachloroethane
 Concen: 2.264 ug/l
 RT: 15.09 min Scan# 1388
 Delta R.T. 0.07 min
 Lab File: VD063646.D
 Acq: 16 Aug 2019 18:58

Tgt Ion:117 Resp: 16827
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.5 112.5#



Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 200.75 (200.45 to 201.45): V

