

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063040.D
 Acq On : 8 Jul 2019 16:58
 Operator : VA/AP
 Sample : K3687-02
 Misc : 5.83g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCRETE-RBR-251685

Quant Time: Jul 09 05:11:32 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

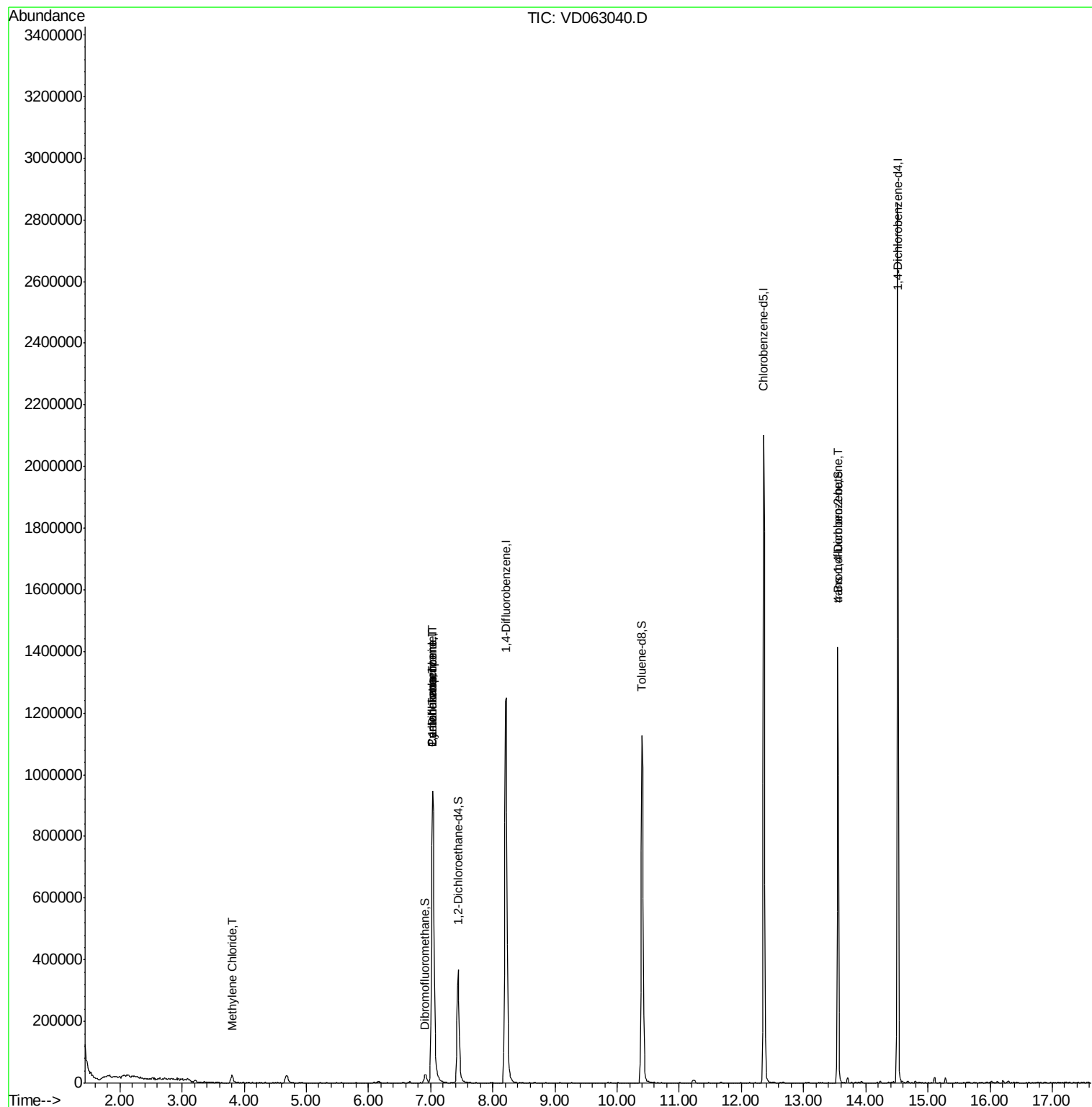
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	954318	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1402186	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1148352	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	595181	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	394591	38.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	76.08%	
35) Dibromofluoromethane	6.90	113	24782	2.10	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	4.20%	
50) Toluene-d8	10.40	98	907492	35.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	70.54%	
62) 4-Bromofluorobenzene	13.55	95	383618	32.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.58%	
Target Compounds						
16) Acetone	3.21	43	11437	Below Cal	#	81
20) Methylene Chloride	3.80	84	16368	2.069	ug/l	96
31) Cyclohexane	7.03	56	20347	2.089	ug/l #	12
36) 1,1-Dichloropropene	7.03	75	67697	5.100	ug/l #	57
37) Ethyl Acetate	6.17	43	575	Below Cal	#	69
38) Carbon Tetrachloride	7.04	117	89825	4.500	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	181752	100.930	ug/l #	2

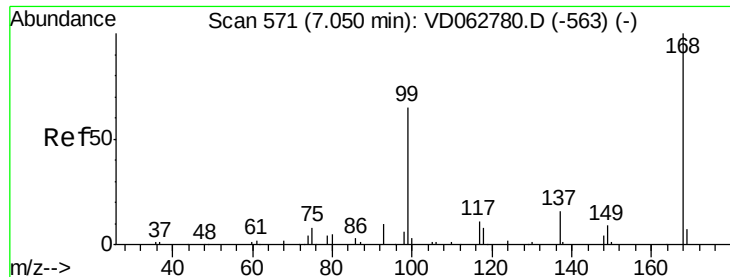
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD063040.D

Acq: 8 Jul 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

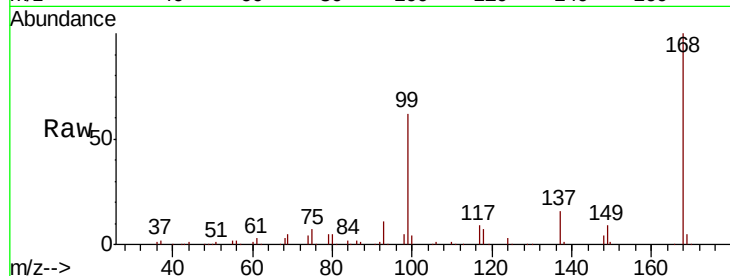
CONCRETE-RBR-251685

Tot Ion:168 Resp: 954318

Ion Ratio Lower Upper

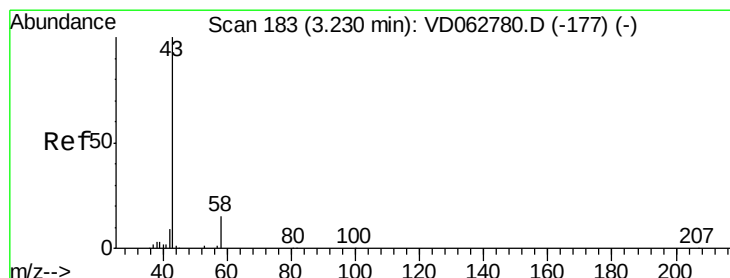
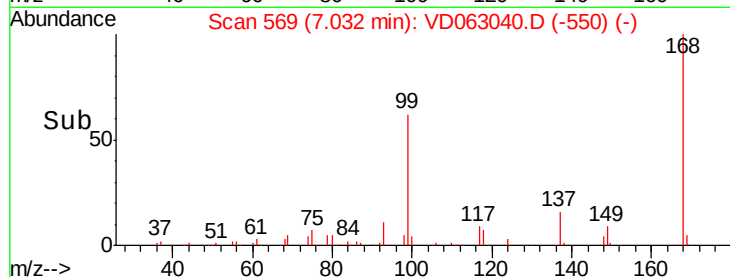
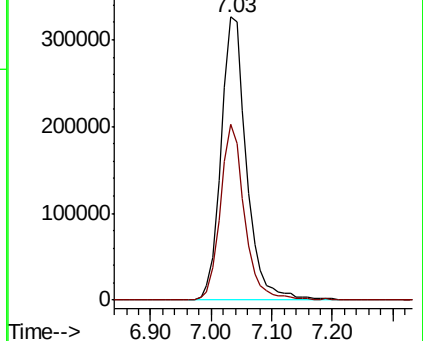
168 100

99 62.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063040.D

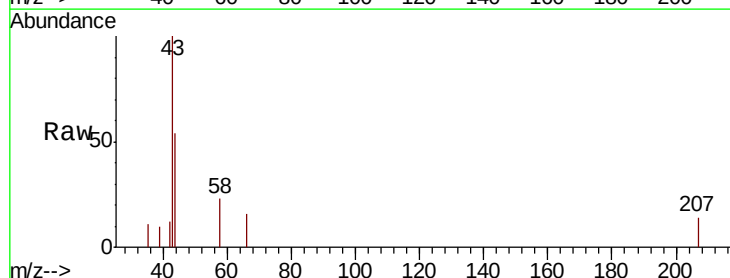
Acq: 8 Jul 2019 16:58

Tgt Ion: 43 Resp: 11437

Ion Ratio Lower Upper

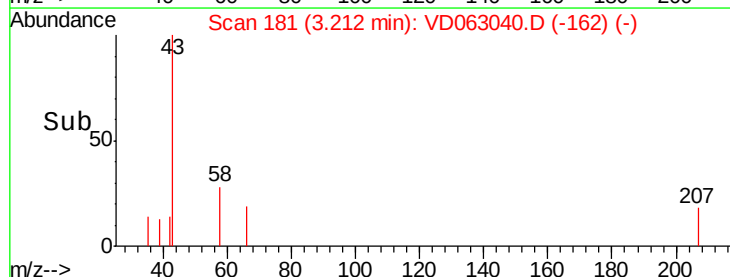
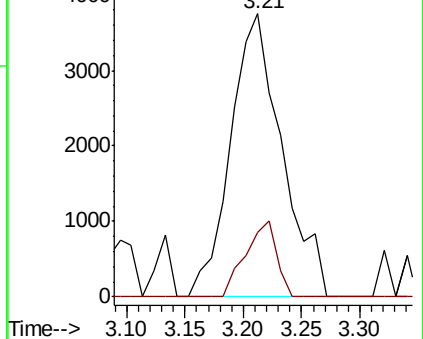
43 100

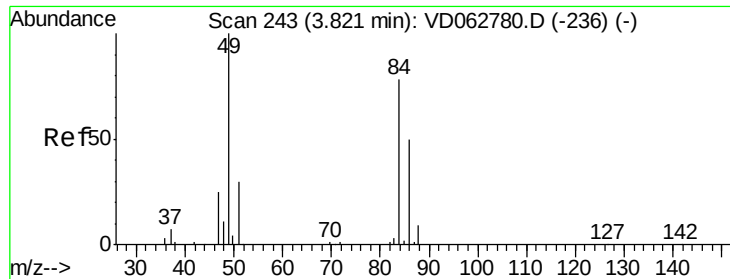
58 22.8 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

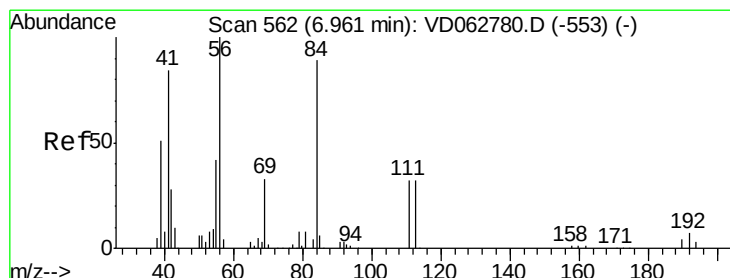
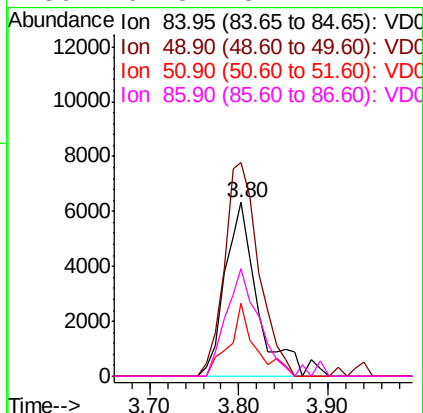
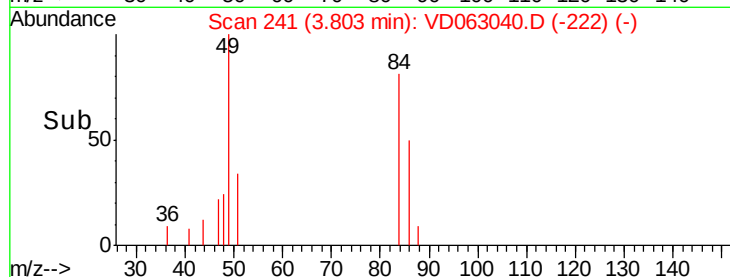
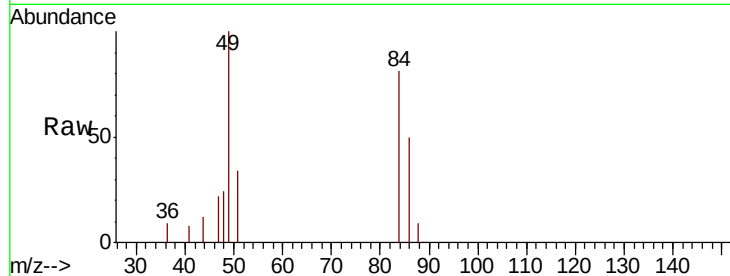




#20
Methylene Chloride
Concen: 2.069 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063040.D
Acq: 8 Jul 2019 16:58

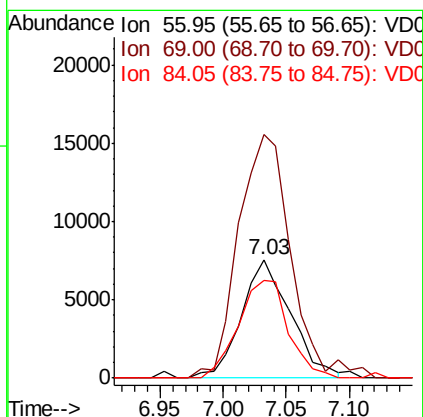
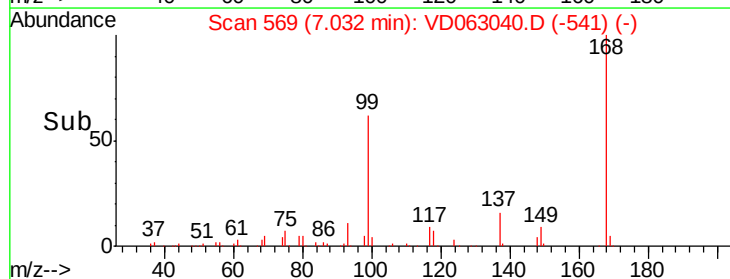
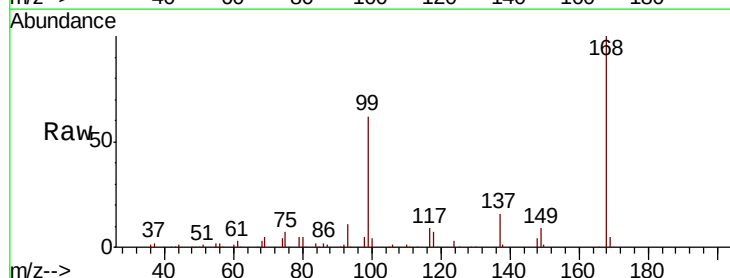
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CONCRETE-RBR-251685

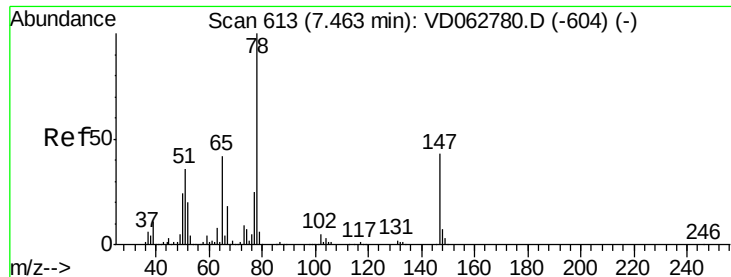
Tot Ion: 84 Resp: 16368
Ion Ratio Lower Upper
84 100
49 123.1 102.9 154.3
51 42.4 31.2 46.8
86 61.8 51.4 77.2



#31
Cyclohexane
Concen: 2.089 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD063040.D
Acq: 8 Jul 2019 16:58

Tgt Ion: 56 Resp: 20347
Ion Ratio Lower Upper
56 100
69 205.4 26.6 39.8#
84 82.7 75.5 113.3

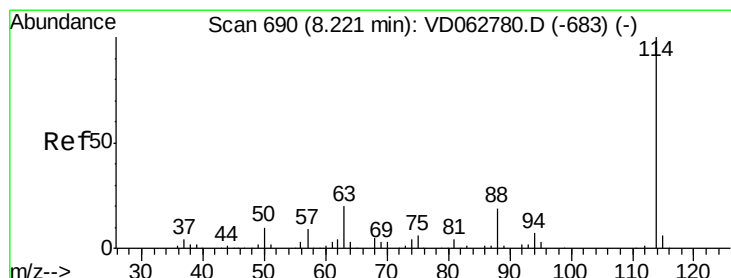
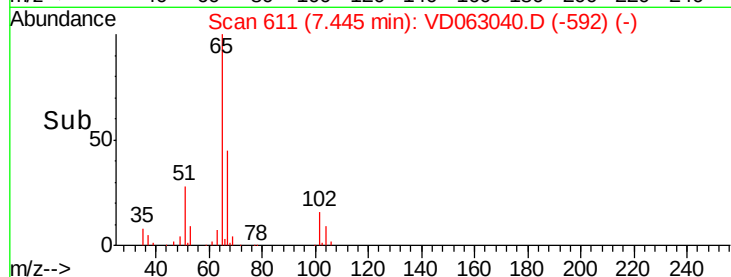
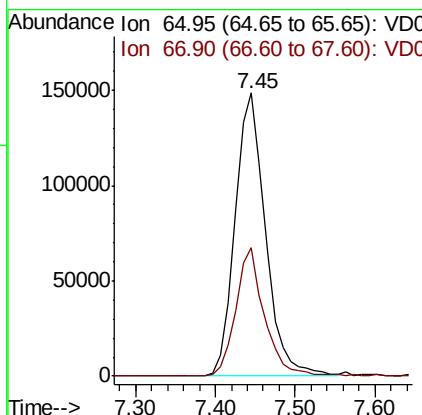
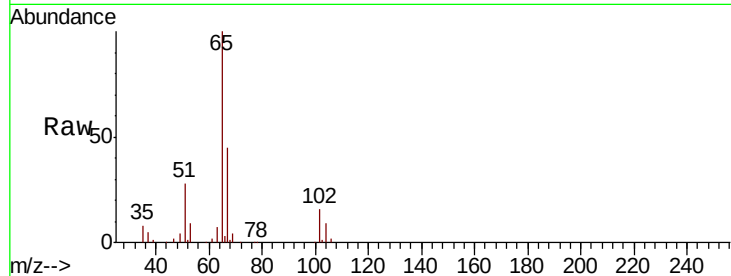




#33
 1,2-Dichloroethane-d4
 Concen: 38.039 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063040.D
 Acq: 8 Jul 2019 16:58

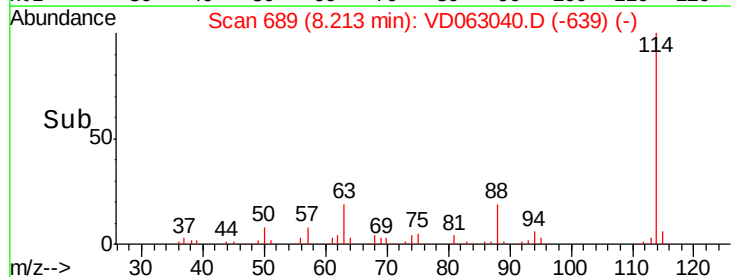
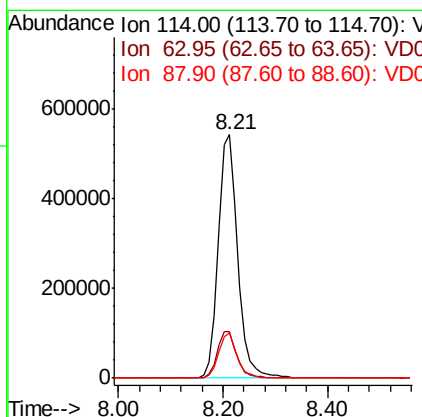
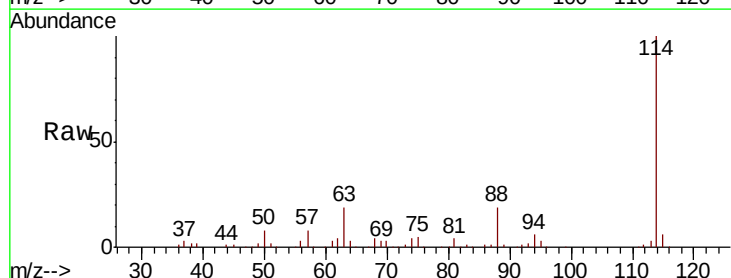
Instrument :
 MSVOA_D
 ClientSampleId :
 CONCRETE-RBR-251685

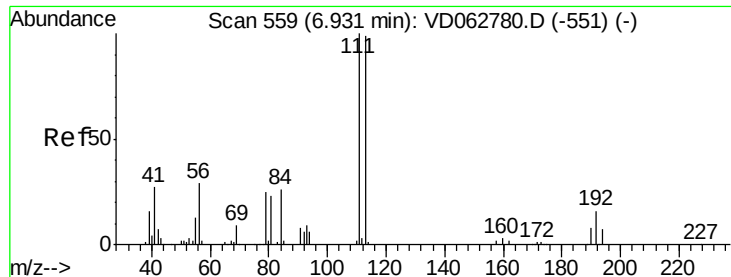
Tot Ion: 65 Resp: 394591
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD063040.D
 Acq: 8 Jul 2019 16:58

Tgt Ion: 114 Resp: 1402186
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 18.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 2.096 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD063040.D

Acq: 8 Jul 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
CONCRETE-RBR-251685

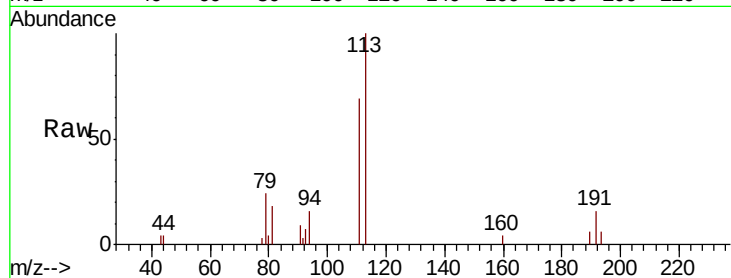
Tot Ion:113 Resp: 24782

Ion Ratio Lower Upper

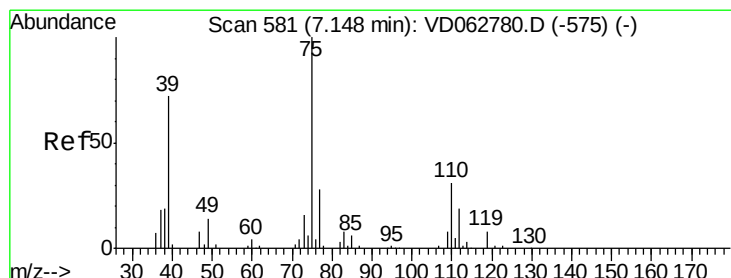
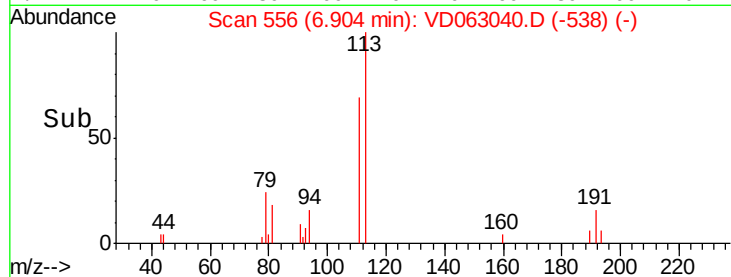
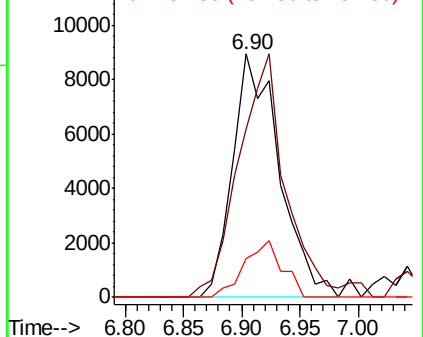
113 100

111 69.3 81.2 121.8#

192 15.7 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: 5.100 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD063040.D

Acq: 8 Jul 2019 16:58

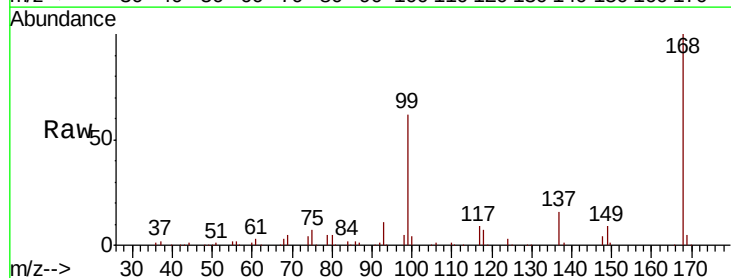
Tgt Ion: 75 Resp: 67697

Ion Ratio Lower Upper

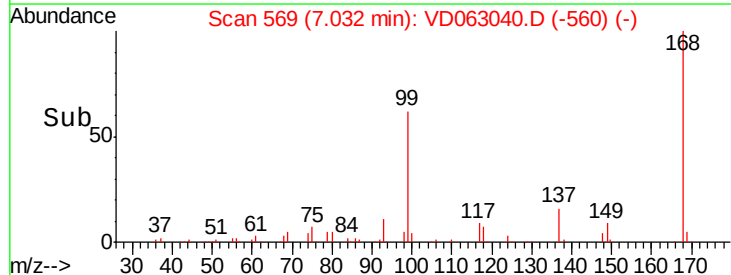
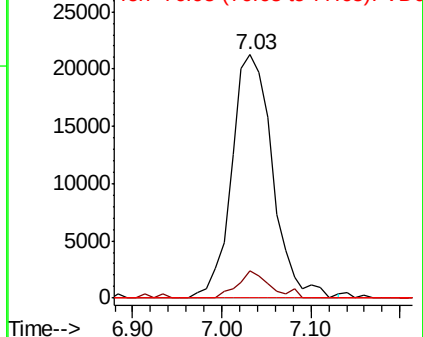
75 100

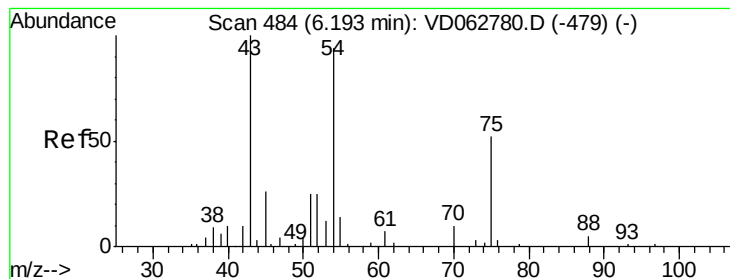
110 11.3 15.0 45.1#

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





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.17 min Scan# 481

Delta R.T. -0.03 min

Lab File: VD063040.D

Acq: 8 Jul 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

CONCRETE-RBR-251685

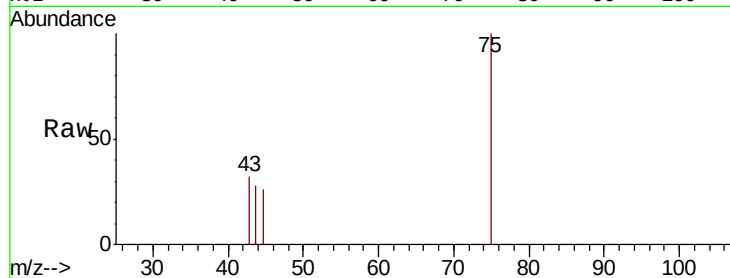
Tot Ion: 43 Resp: 575

Ion Ratio Lower Upper

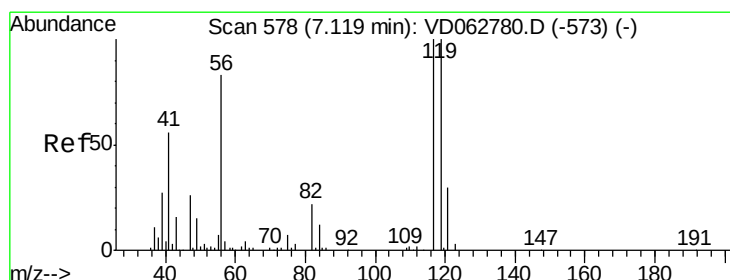
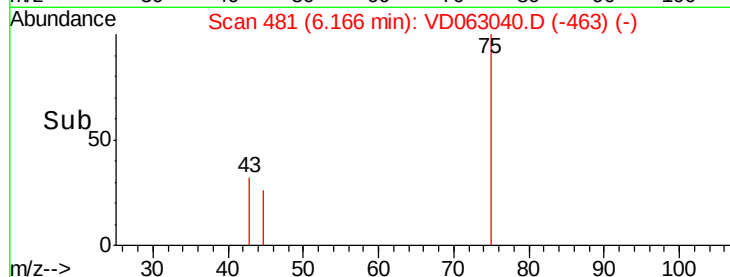
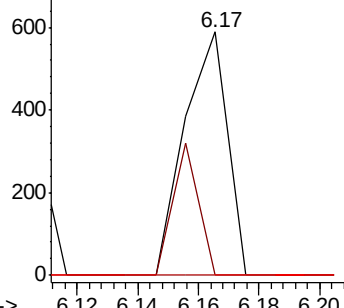
43 100

61 0.0 11.6 17.4#

70 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.500 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063040.D

Acq: 8 Jul 2019 16:58

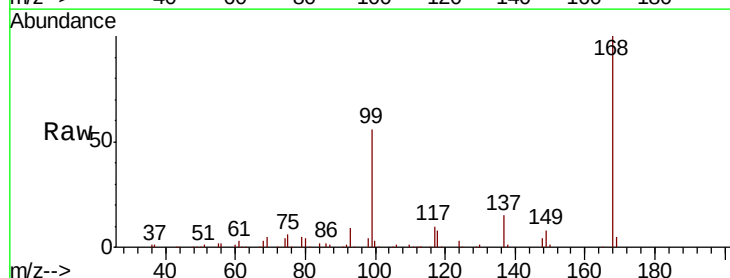
Tgt Ion: 117 Resp: 89825

Ion Ratio Lower Upper

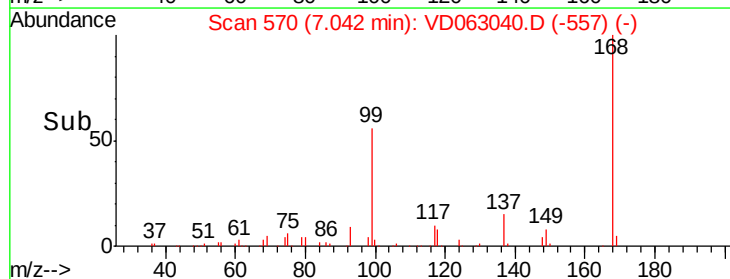
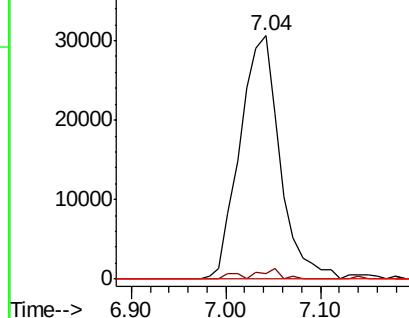
117 100

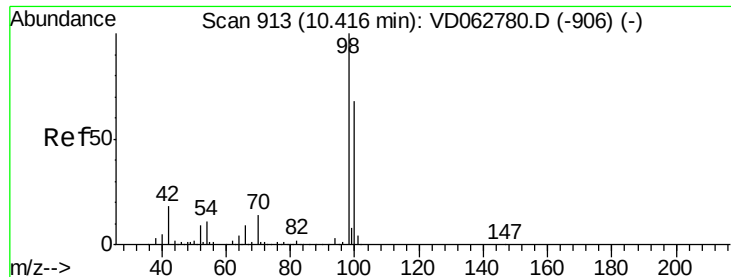
119 2.5 75.4 113.2#

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

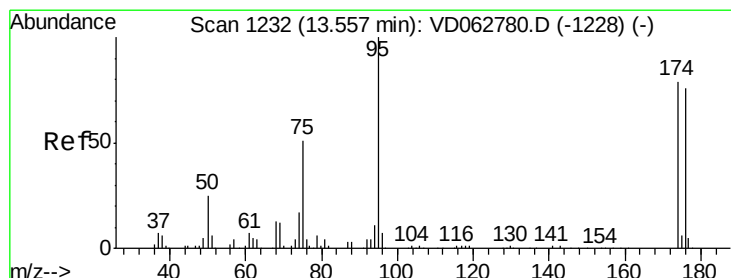
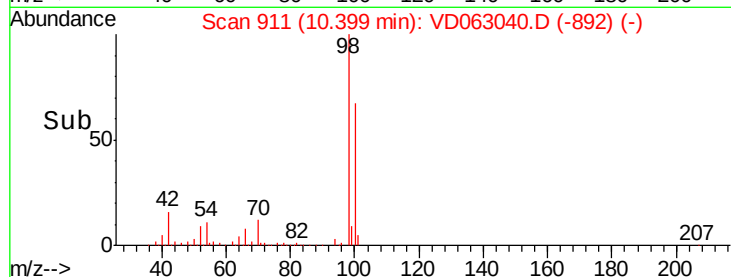
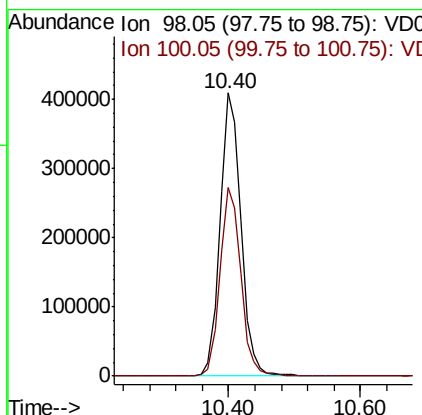
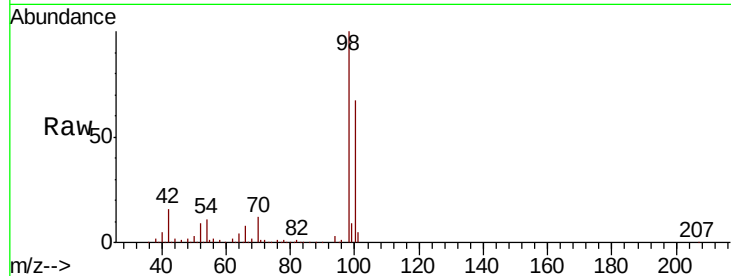




#50
Toluene-d8
Concen: 35.266 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD063040.D
Acq: 8 Jul 2019 16:58

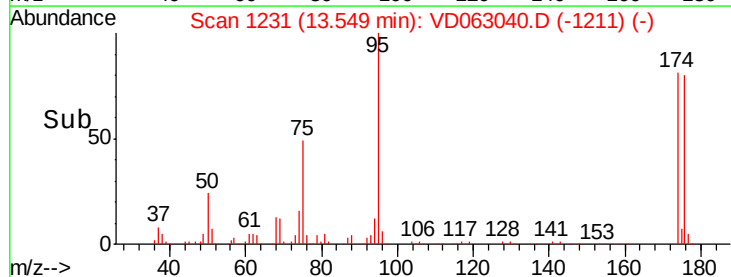
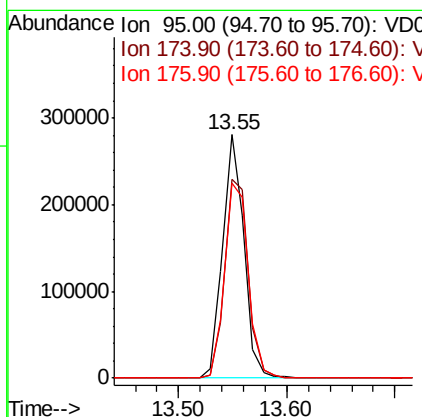
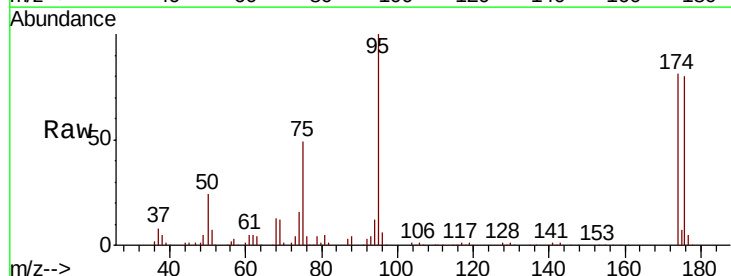
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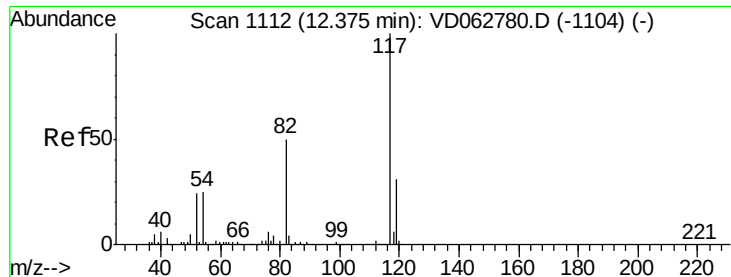
Tot Ion: 98 Resp: 907492
Ion Ratio Lower Upper
98 100
100 66.5 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 32.786 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063040.D
Acq: 8 Jul 2019 16:58

Tgt Ion: 95 Resp: 383618
Ion Ratio Lower Upper
95 100
174 81.4 0.0 158.0
176 80.1 0.0 151.6

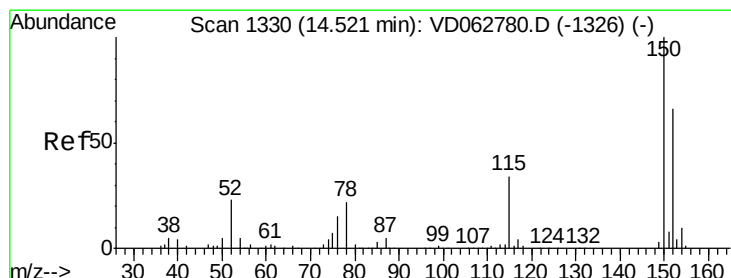
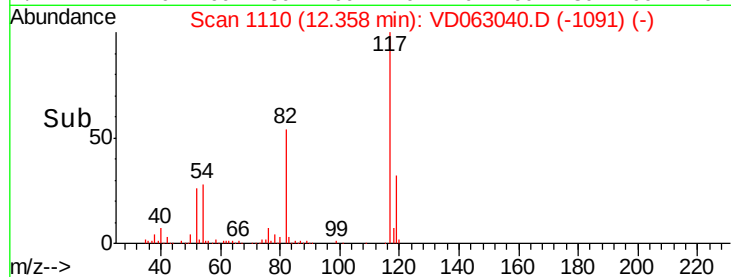
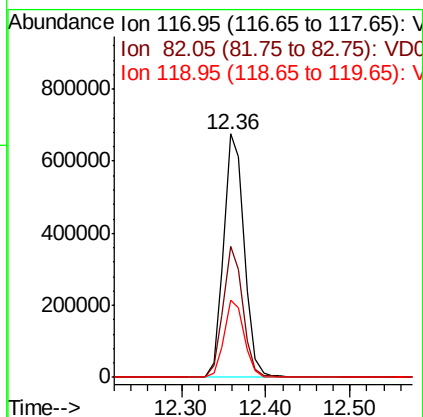
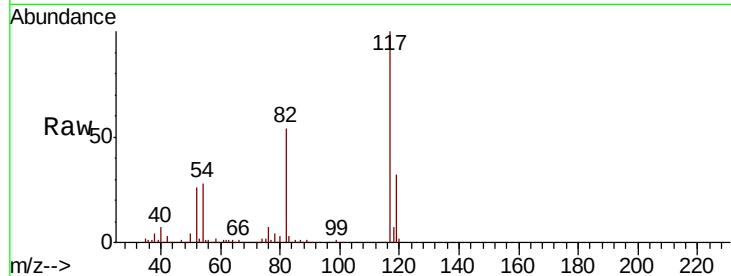




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD063040.D
Acq: 8 Jul 2019 16:58

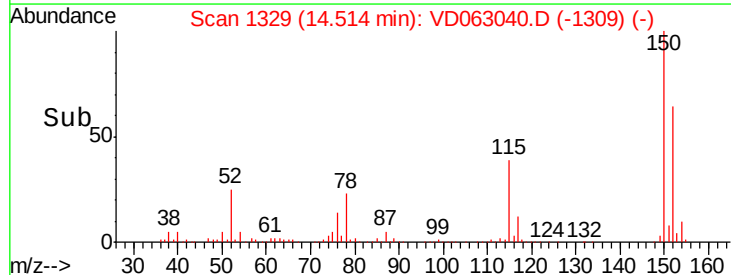
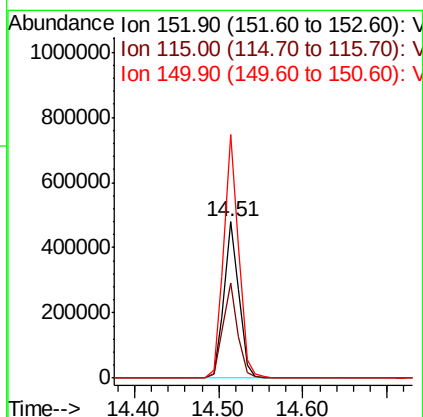
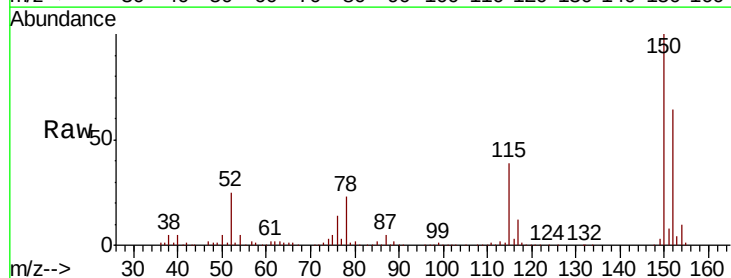
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE-RBR-251685

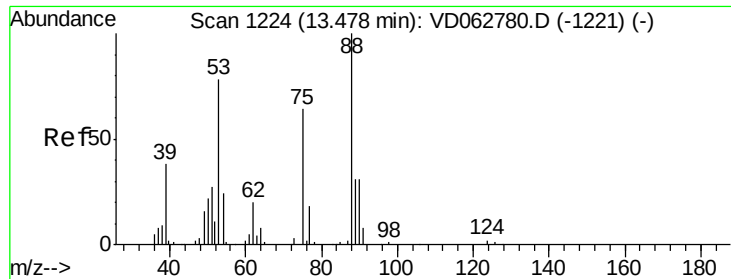
Tot Ion:117 Resp: 1148352
Ion Ratio Lower Upper
117 100
82 54.0 40.4 60.6
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063040.D
Acq: 8 Jul 2019 16:58

Tgt Ion:152 Resp: 595181
Ion Ratio Lower Upper
152 100
115 60.5 29.2 87.6
150 155.8 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 100.930 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD063040.D

Acq: 8 Jul 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

CONCRETE-RBR-251685

Tot Ion: 75 Resp: 181752

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

