

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063029.D
 Acq On : 3 Jul 2019 17:25
 Operator : VA/AP
 Sample : K3681-03
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-07-01-19

Quant Time: Jul 04 00:47:18 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

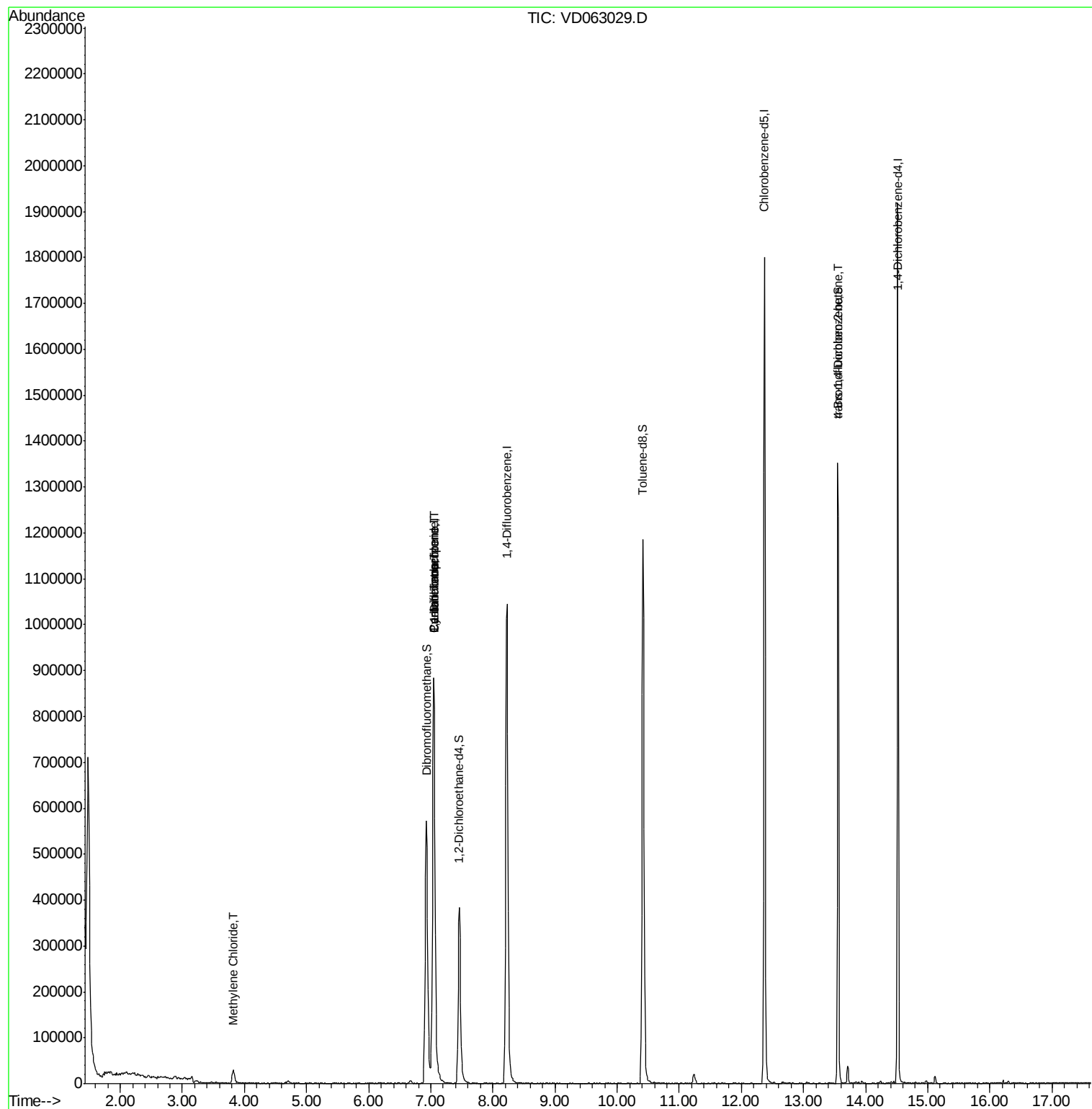
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	849164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1165633	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	927323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	391251	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	427390	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	
35) Dibromofluoromethane	6.93	113	503656	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	10.41	98	942614	44.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.12%	
62) 4-Bromofluorobenzene	13.55	95	394069	40.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.02%	
Target Compounds						
16) Acetone	3.22	43	8527	Below Cal		93
20) Methylene Chloride	3.82	84	18021	2.560 ug/l		91
31) Cyclohexane	7.06	56	19777	2.282 ug/l #		23
36) 1,1-Dichloropropene	7.05	75	69466	6.295 ug/l #		52
37) Ethyl Acetate	6.20	43	206	Below Cal #		69
38) Carbon Tetrachloride	7.05	117	82412	4.966 ug/l #		15
81) trans-1,4-Dichloro-2-buten	13.55	75	183713	155.194 ug/l #		2

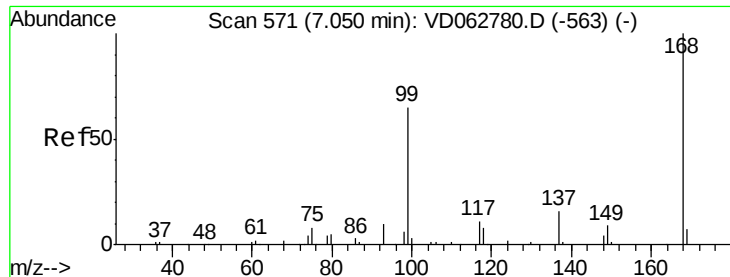
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

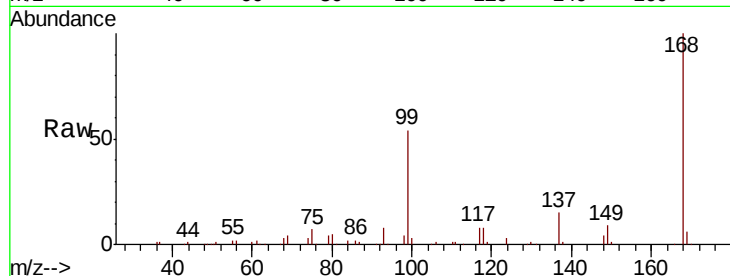
STOCK-PILE-07-01-19

Tot Ion:168 Resp: 849164

Ion Ratio Lower Upper

168 100

99 54.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

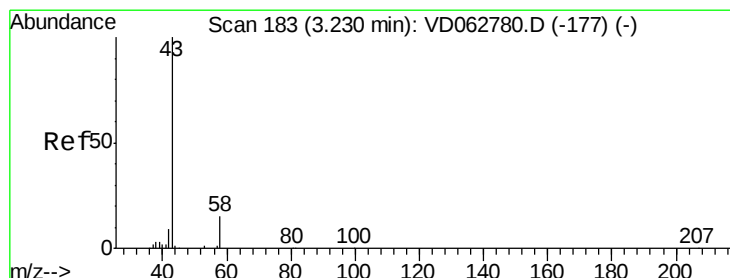
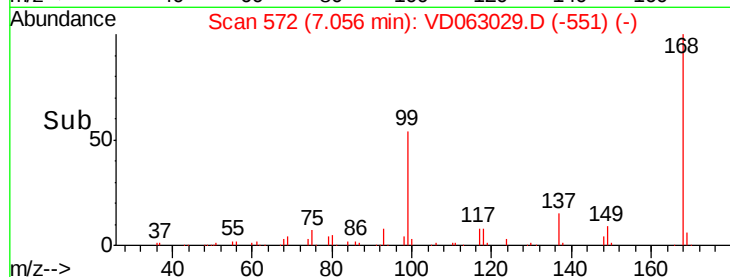
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063029.D

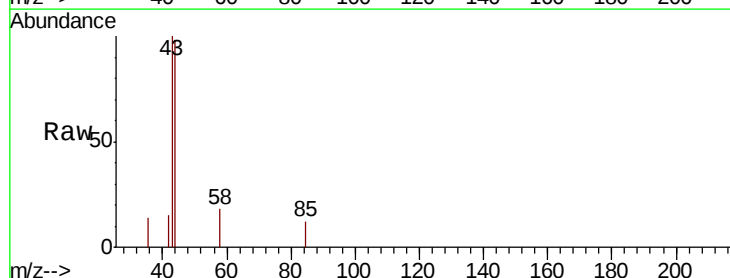
Acq: 3 Jul 2019 17:25

Tgt Ion: 43 Resp: 8527

Ion Ratio Lower Upper

43 100

58 17.9 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

3000

2500

2000

1500

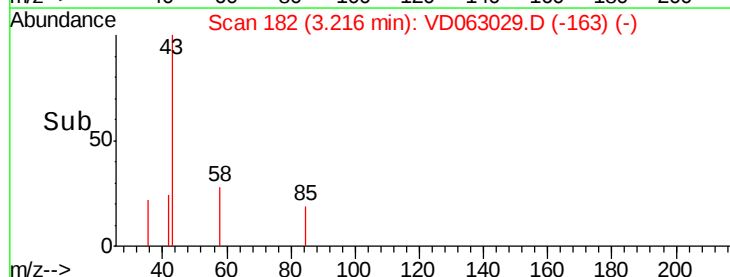
1000

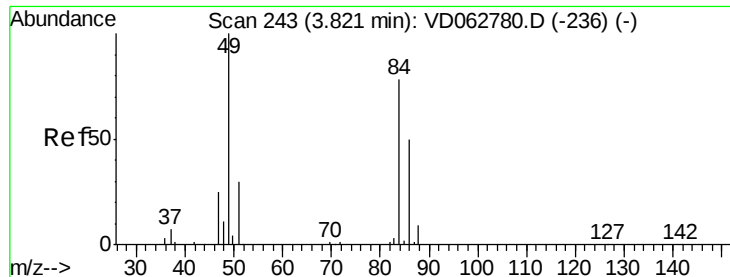
500

0

Time-->

3.15 3.20 3.25 3.30 3.35

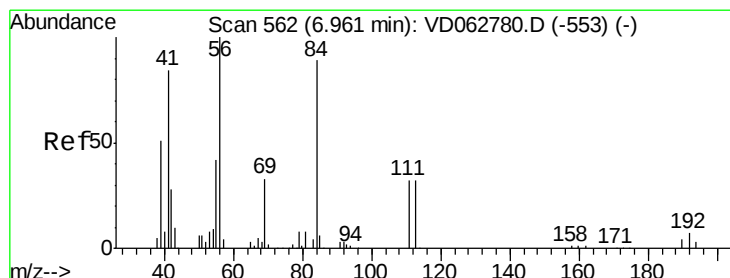
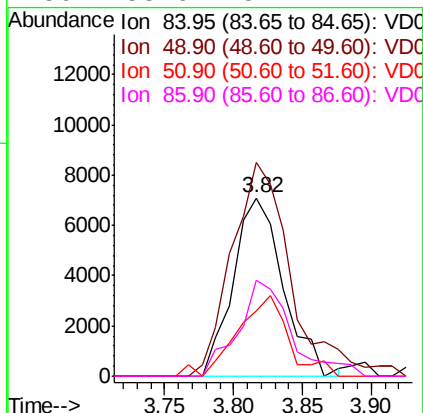
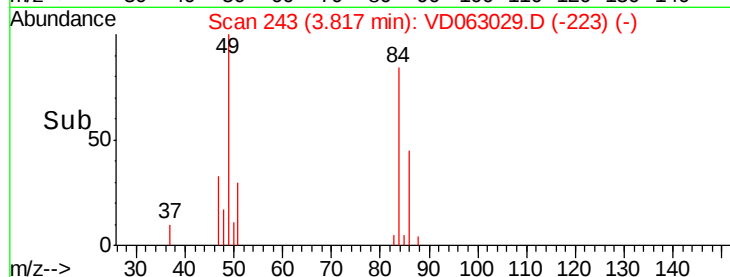
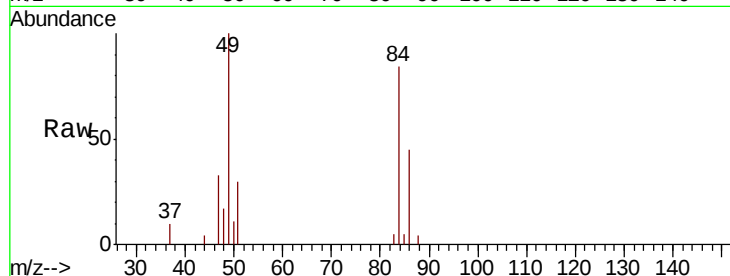




#20
Methvlene Chloride
Concen: 2.560 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

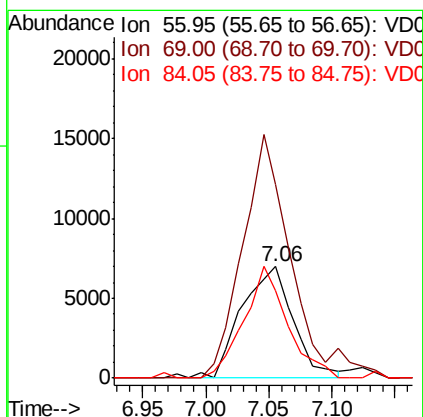
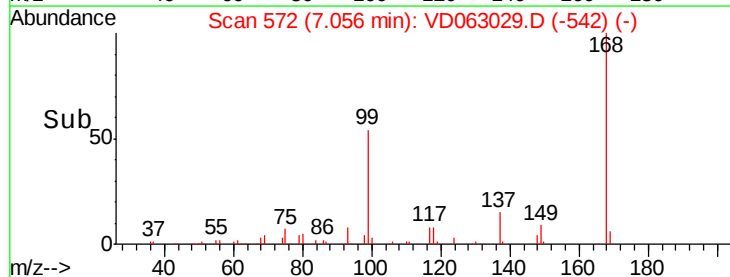
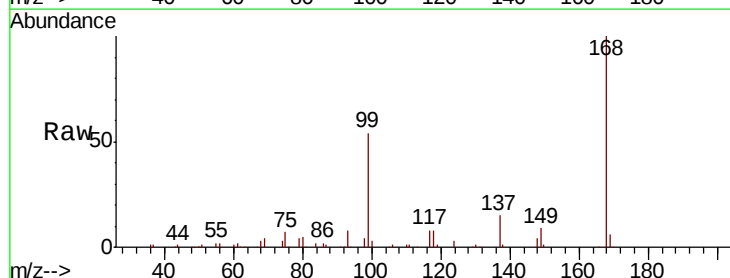
Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-07-01-19

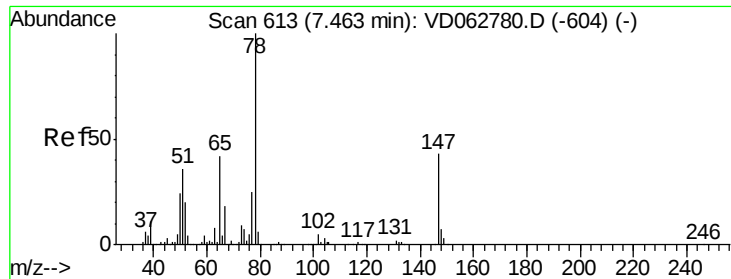
Tot Ion: 84 Resp: 18021
Ion Ratio Lower Upper
84 100
49 119.6 102.9 154.3
51 36.3 31.2 46.8
86 53.6 51.4 77.2



#31
Cyclohexane
Concen: 2.282 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Tgt Ion: 56 Resp: 19777
Ion Ratio Lower Upper
56 100
69 173.9 26.6 39.8#
84 78.2 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 46.303 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

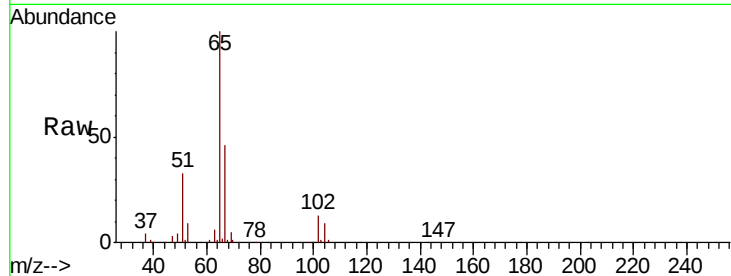
STOCK-PILE-07-01-19

Tot Ion: 65 Resp: 427390

Ion Ratio Lower Upper

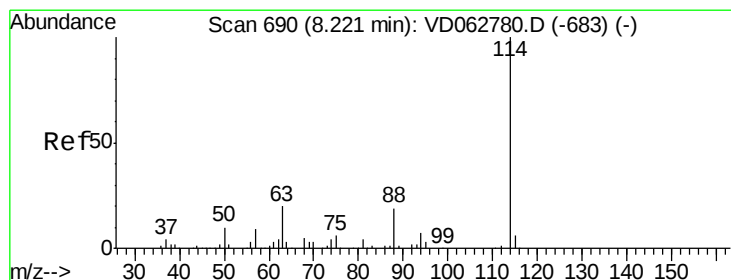
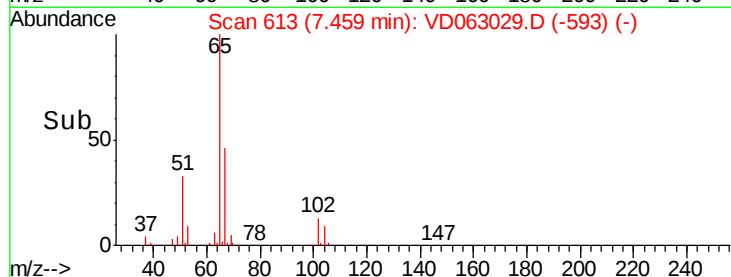
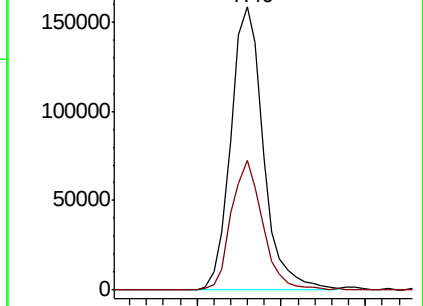
65 100

67 46.0 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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

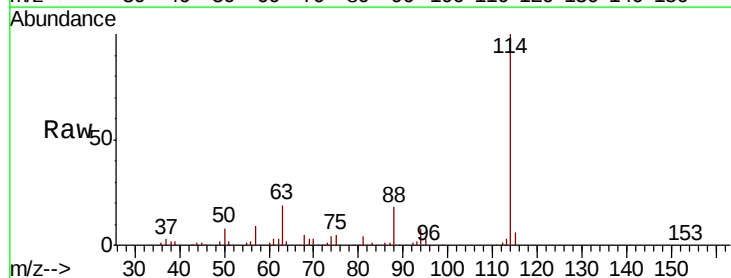
Tgt Ion: 114 Resp: 1165633

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

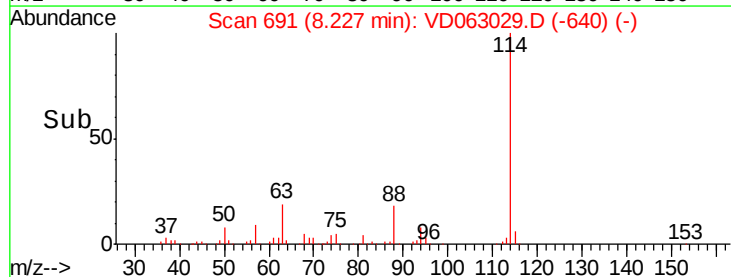
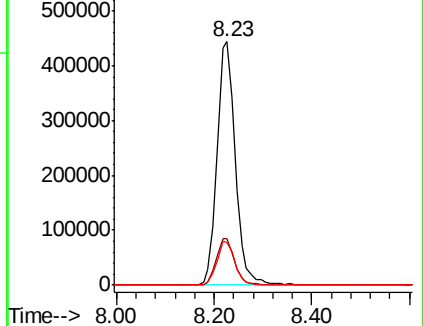
88 17.5 0.0 38.8

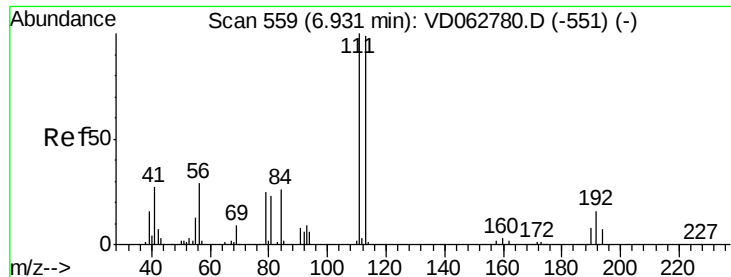


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

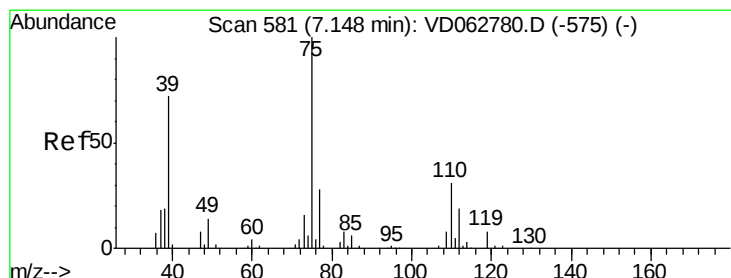
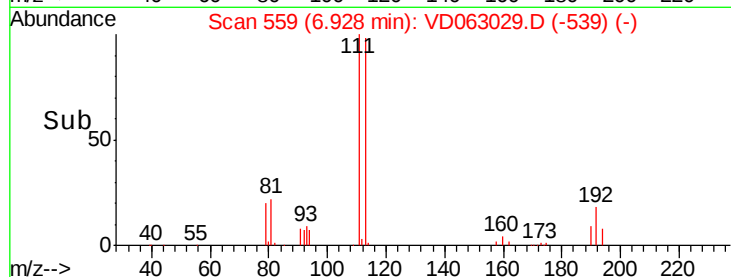
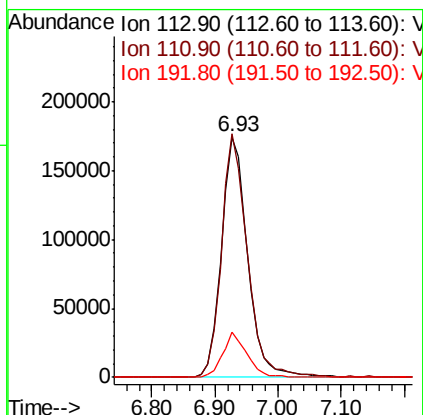
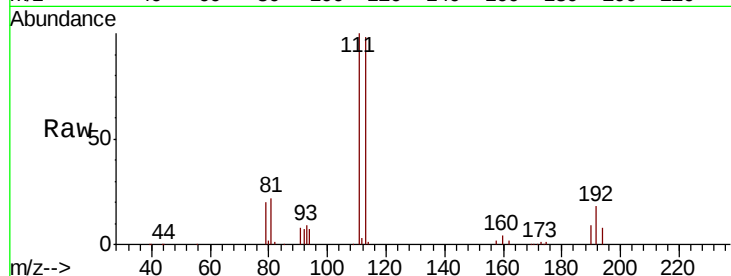




#35
Dibromofluoromethane
Concen: 51.244 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

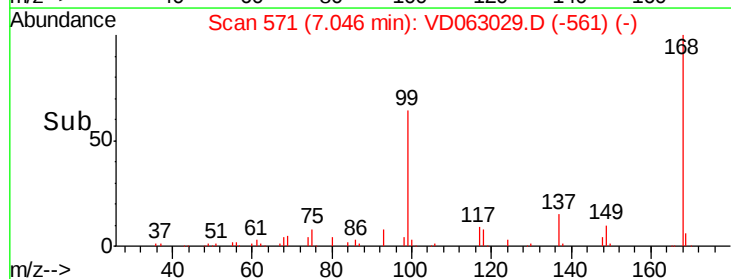
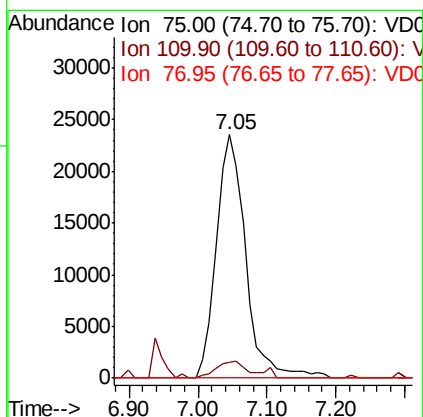
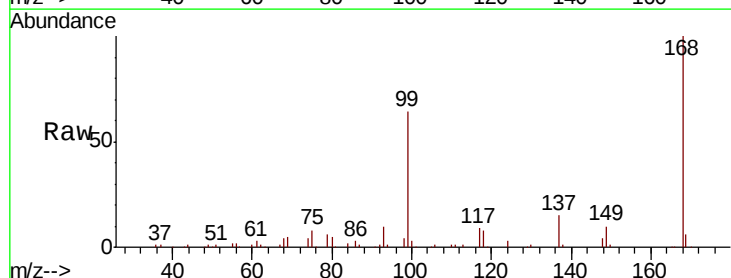
Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-07-01-19

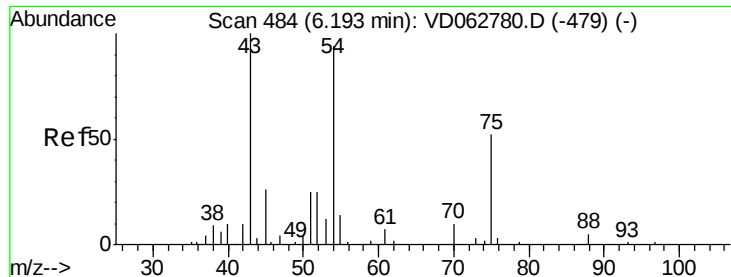
Tot Ion:113 Resp: 503656
Ion Ratio Lower Upper
113 100
111 101.5 81.2 121.8
192 18.7 12.9 19.3



#36
1,1-Dichloropropene
Concen: 6.295 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Tgt Ion: 75 Resp: 69466
Ion Ratio Lower Upper
75 100
110 6.7 15.0 45.1#
77 0.0 22.2 33.2#

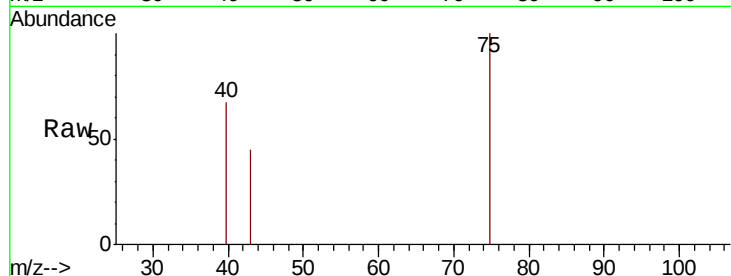




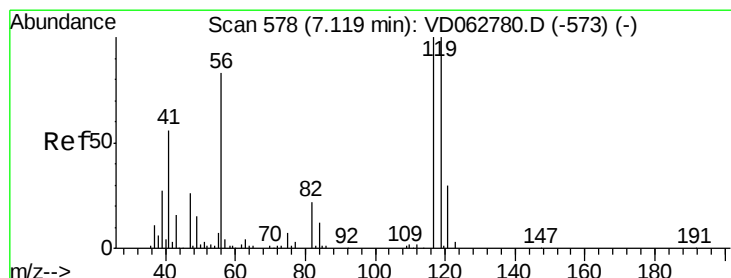
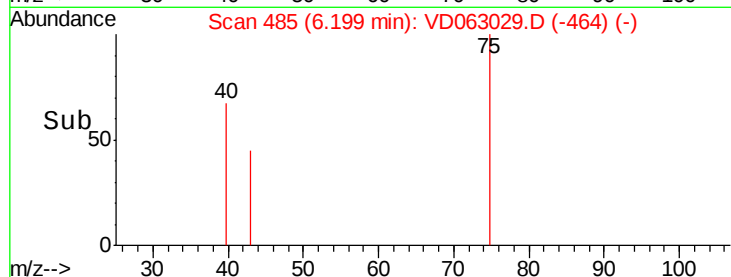
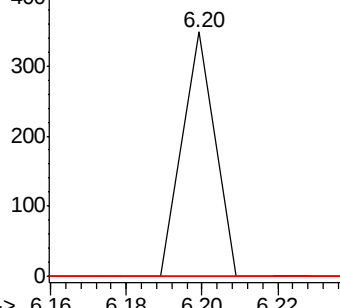
#37
Ethyl Acetate
Concen: Below Cal
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-07-01-19

Tot Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#

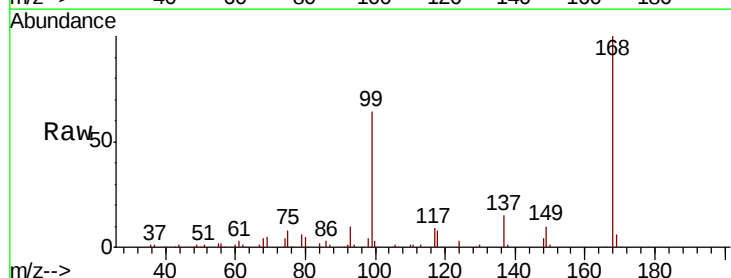


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

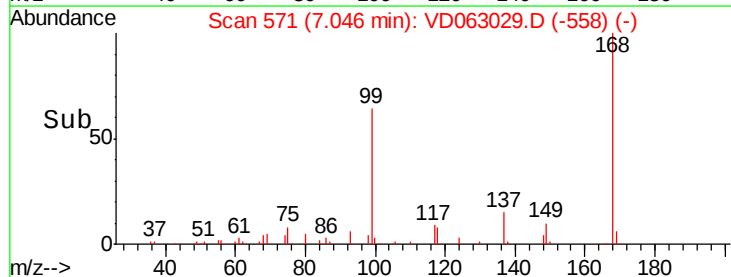
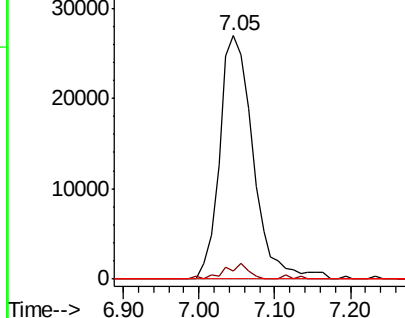


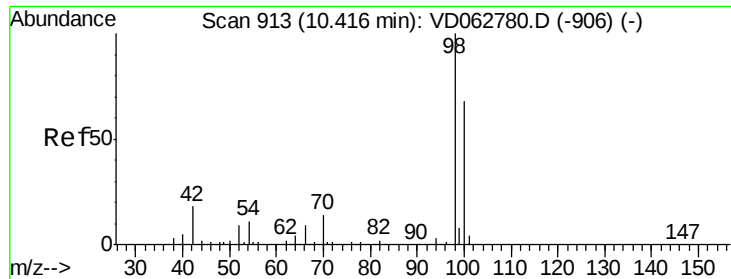
#38
Carbon Tetrachloride
Concen: 4.966 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Tgt Ion: 117 Resp: 82412
Ion Ratio Lower Upper
117 100
119 3.3 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

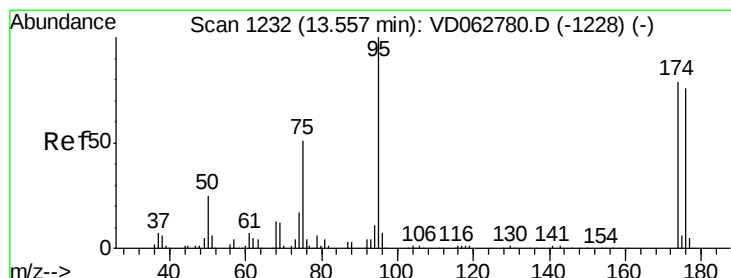
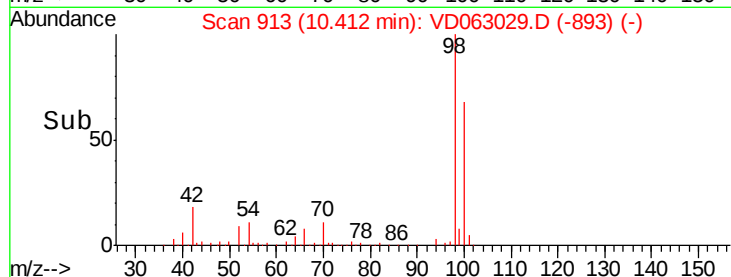
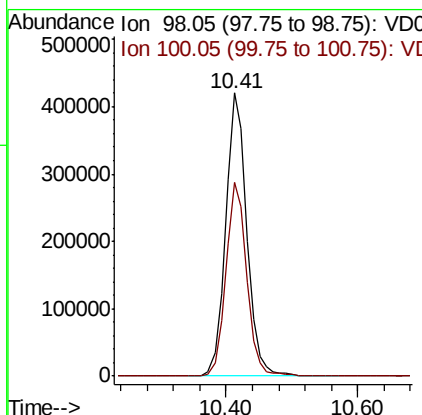
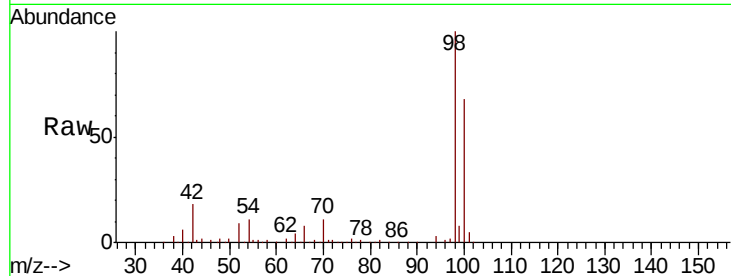




#50
Toluene-d8
Concen: 44.065 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

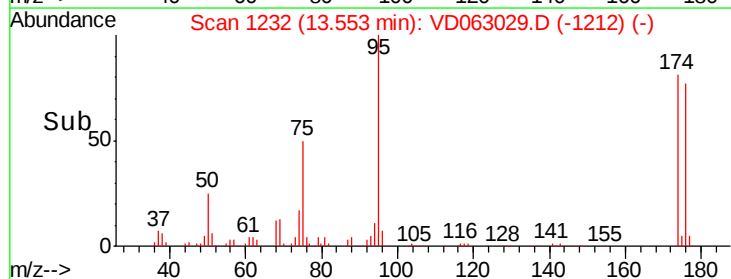
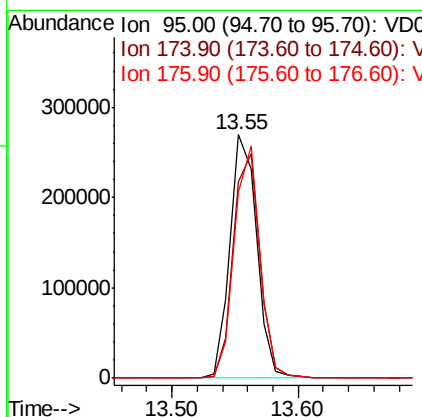
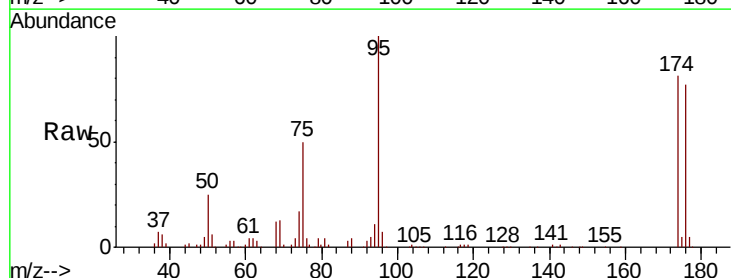
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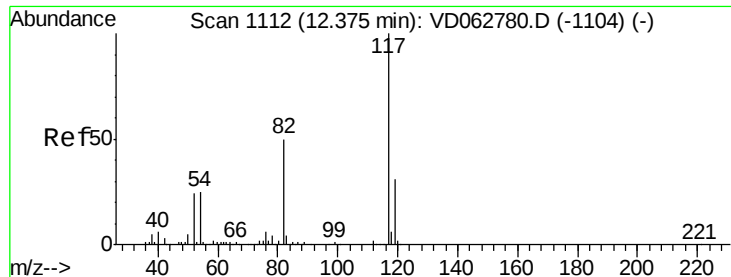
Tot Ion: 98 Resp: 942614
Ion Ratio Lower Upper
98 100
100 68.4 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 40.513 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Tgt Ion: 95 Resp: 394069
Ion Ratio Lower Upper
95 100
174 80.8 0.0 158.0
176 76.5 0.0 151.6

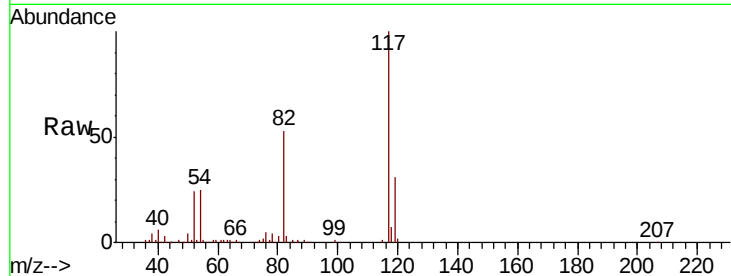




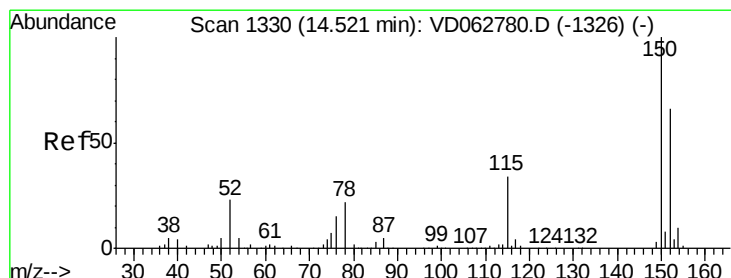
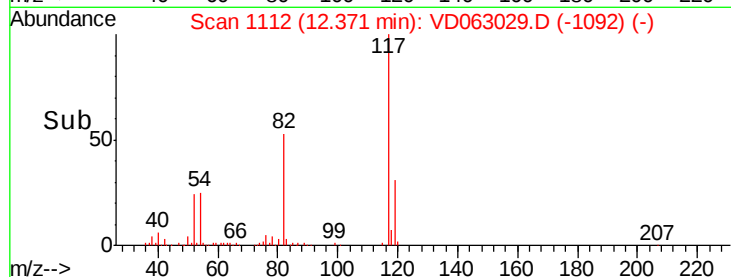
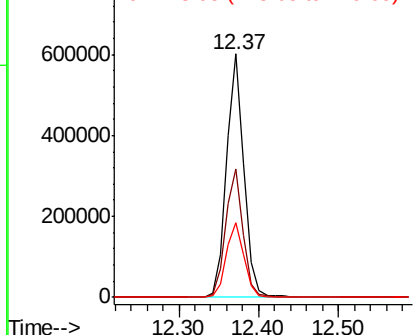
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-07-01-19

Tot Ion:117 Resp: 927323
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 30.8 25.2 37.8

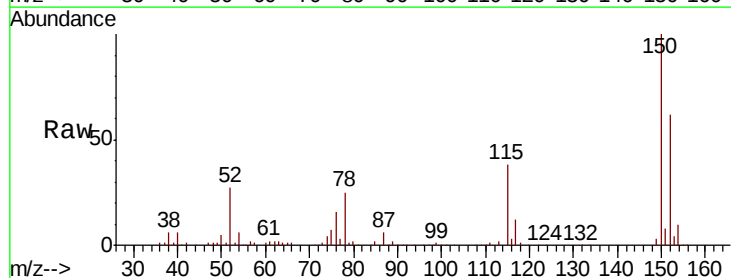


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

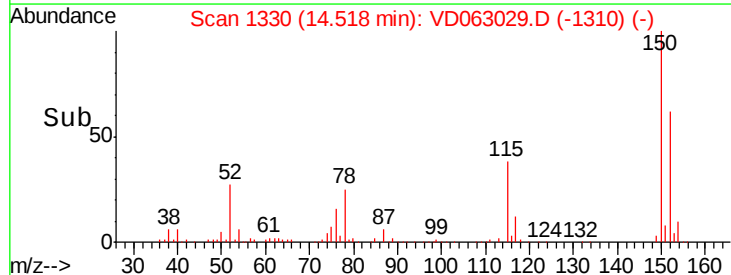
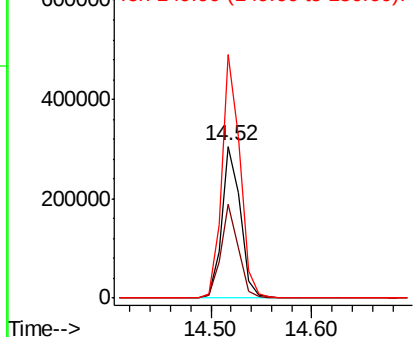


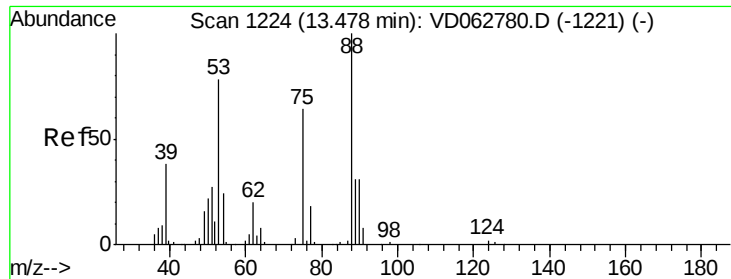
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Tgt Ion:152 Resp: 391251
Ion Ratio Lower Upper
152 100
115 61.7 29.2 87.6
150 160.6 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: 155.194 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-07-01-19

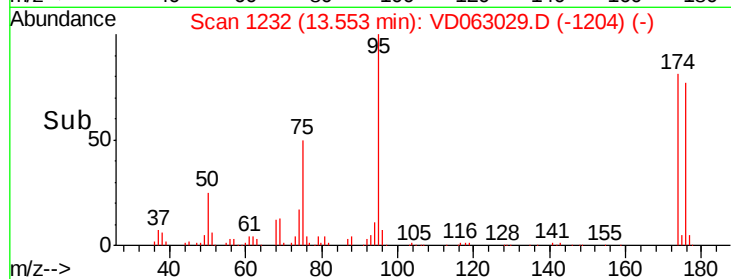
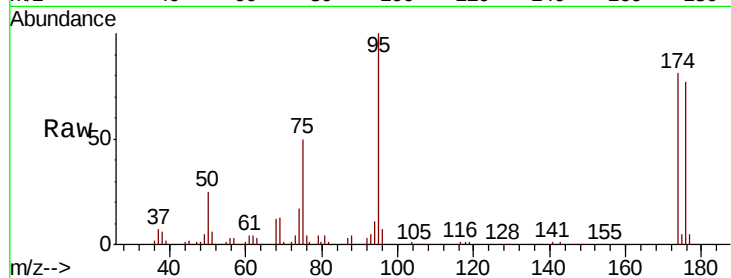
Tot Ion: 75 Resp: 183713

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

