

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063086.D
 Acq On : 15 Jul 2019 17:49
 Operator : VA/AP
 Sample : K3626-05
 Misc : 6.26g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-071119-A

Quant Time: Jul 16 08:22:11 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	7.03	168	638674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	856893	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	696401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	360699	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	497156	62.49	ug/l	0.00
Spiked Amount			Recovery	=	124.98%	
35) Dibromofluoromethane	6.91	113	536486	62.86	ug/l	0.00
Spiked Amount			Recovery	=	125.72%	
50) Toluene-d8	10.40	98	1015932	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	
62) 4-Bromofluorobenzene	13.55	95	471951	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	

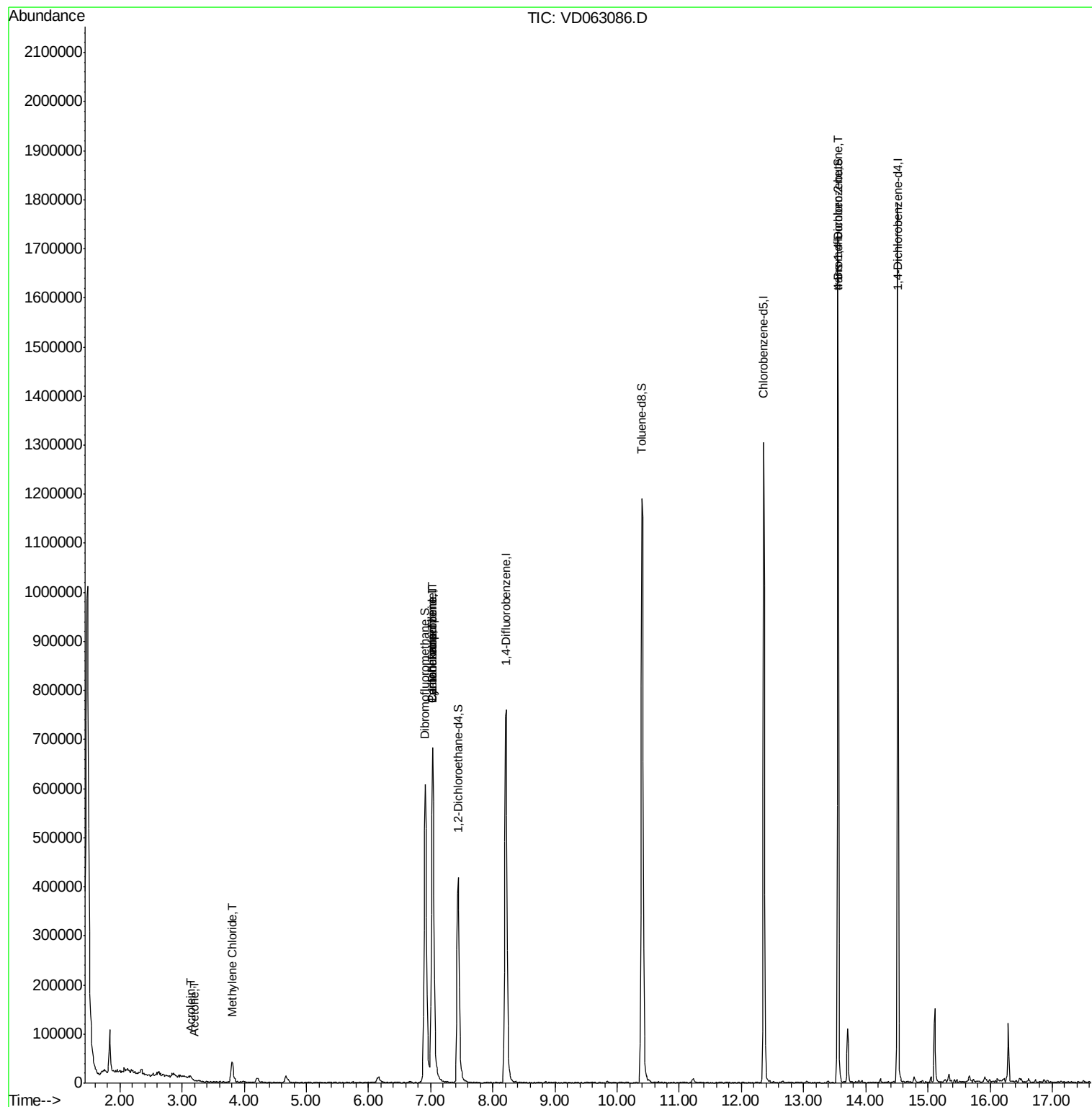
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	206	Below Cal	#	43
3) Chloromethane	1.73	50	854	Below Cal	#	48
5) Bromomethane	2.13	94	641	Below Cal	#	13
13) Acrolein	3.15	56	222	1.602	ug/l #	17
16) Acetone	3.20	43	6022	3.134	ug/l #	62
18) Methyl Acetate	3.62	43	419	Below Cal	#	63
20) Methylene Chloride	3.80	84	25861	3.562	ug/l	96
31) Cyclohexane	7.03	56	13825	1.825	ug/l #	19
36) 1,1-Dichloropropene	7.03	75	50150	5.204	ug/l #	51
38) Carbon Tetrachloride	7.03	117	62933	4.298	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.55	75	216719	148.321	ug/l #	1

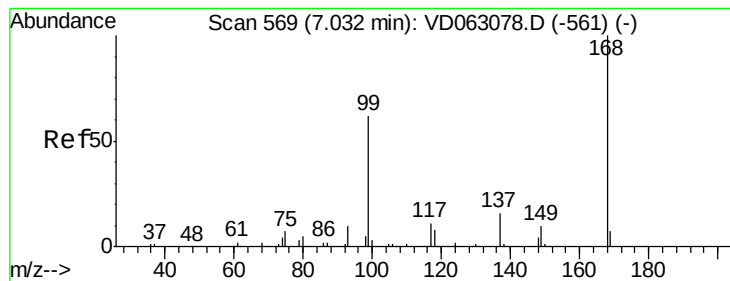
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063086.D

Acq: 15 Jul 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

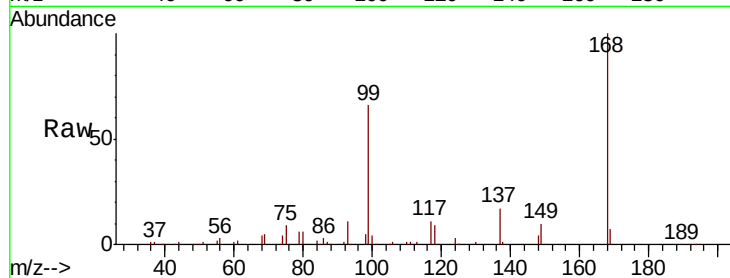
SU-04-071119-A

Tot Ion:168 Resp: 638674

Ion Ratio Lower Upper

168 100

99 66.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

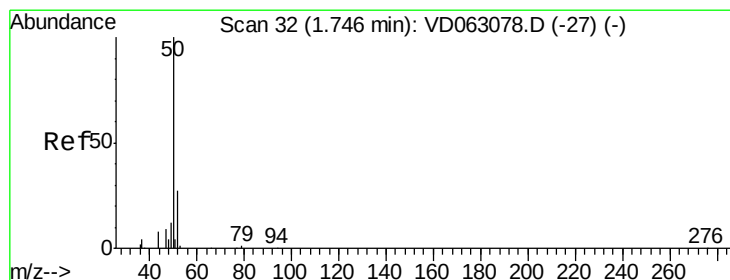
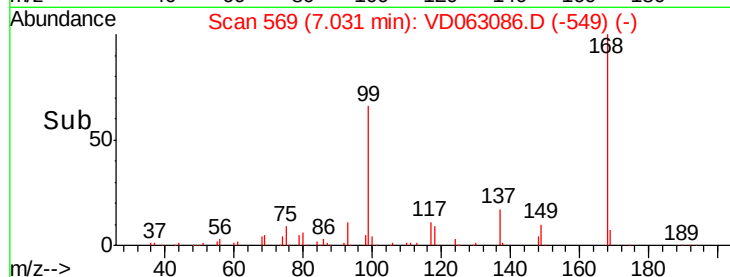
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.73 min Scan# 30

Delta R.T. -0.02 min

Lab File: VD063086.D

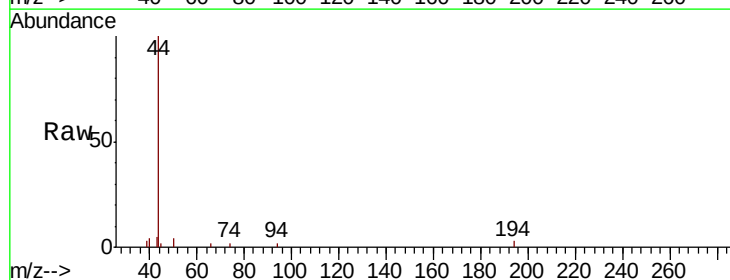
Acq: 15 Jul 2019 17:49

Tgt Ion: 50 Resp: 854

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

1.73

800

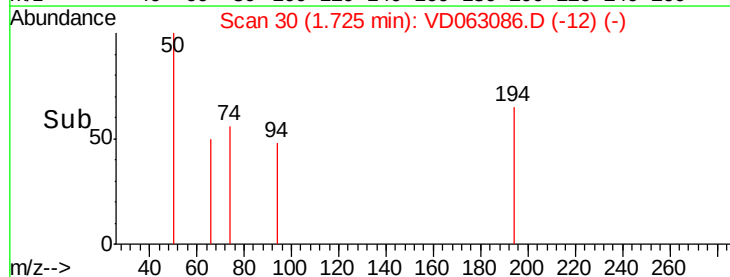
600

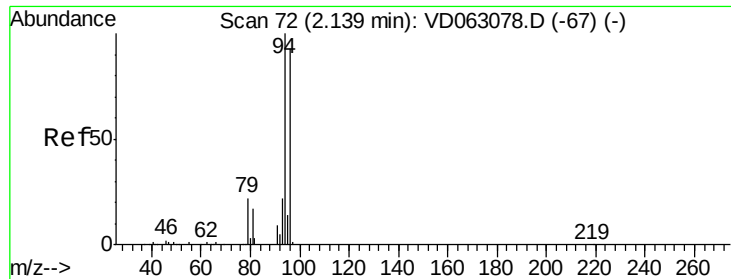
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD063086.D

Acq: 15 Jul 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-A

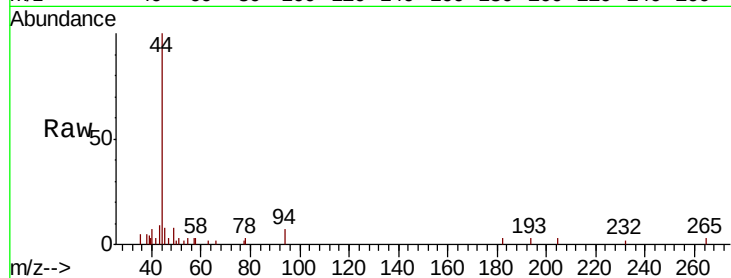
Tot Ion: 94 Resp: 641

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

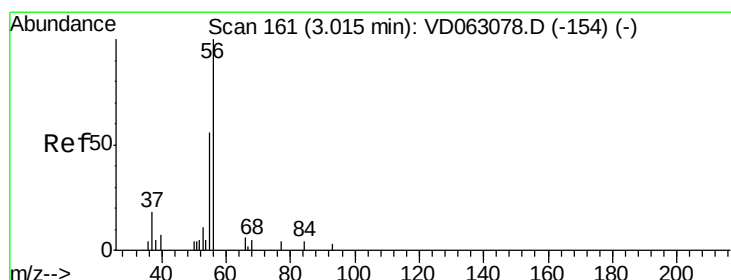
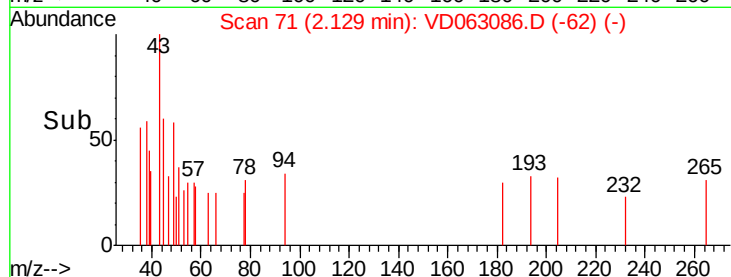
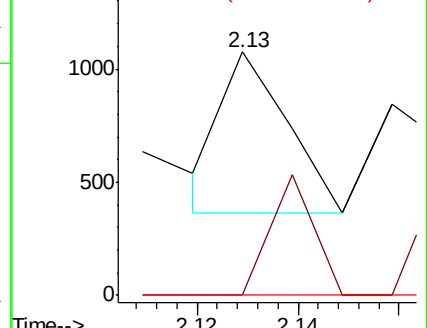
93 0.0 17.8 26.6#



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



#13

Acrolein

Concen: 1.602 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.14 min

Lab File: VD063086.D

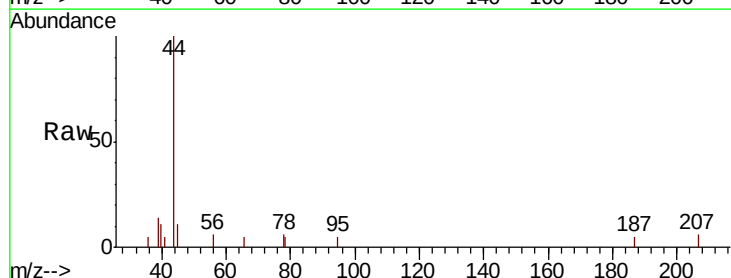
Acq: 15 Jul 2019 17:49

Tgt Ion: 56 Resp: 222

Ion Ratio Lower Upper

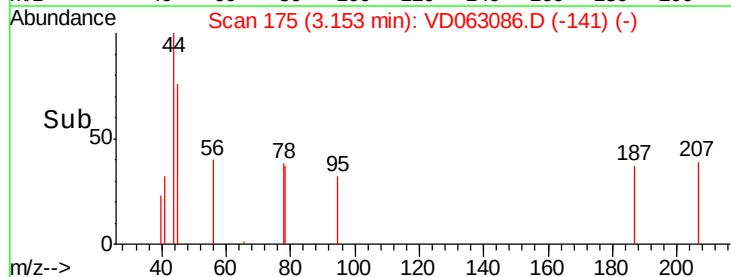
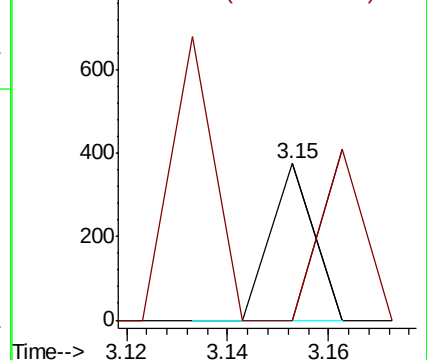
56 100

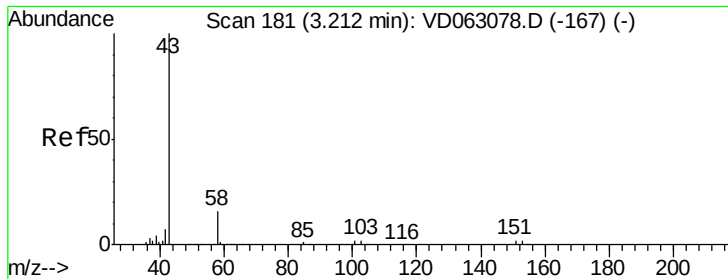
55 0.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 3.134 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.01 min

Lab File: VD063086.D

Acq: 15 Jul 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

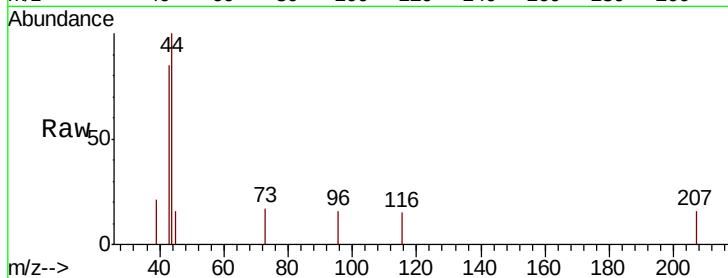
SU-04-071119-A

Tot Ion: 43 Resp: 6022

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

3.20

2000

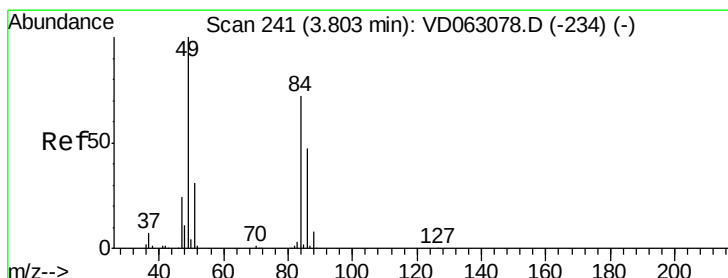
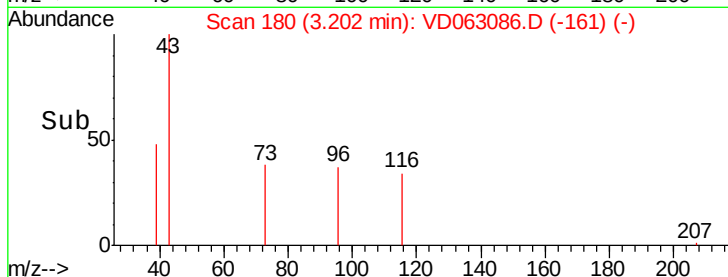
1500

1000

500

0

Time--> 3.10 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 3.562 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD063086.D

Acq: 15 Jul 2019 17:49

Tgt Ion: 84 Resp: 25861

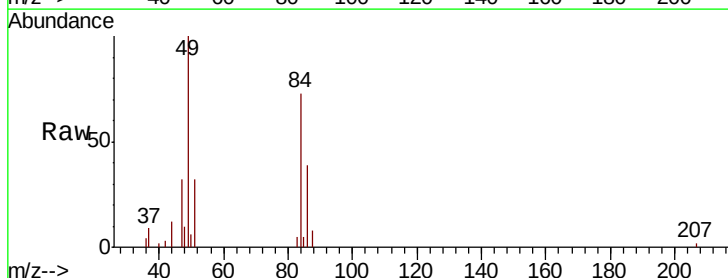
Ion Ratio Lower Upper

84 100

49 137.3 110.5 165.7

51 43.7 34.6 51.8

86 53.6 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

20000

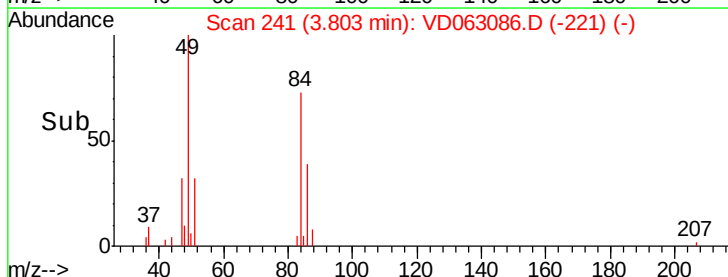
15000

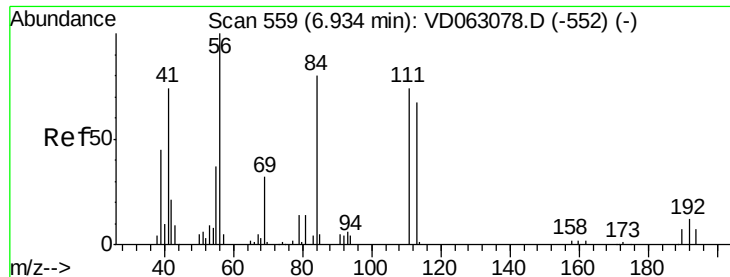
10000

5000

0

Time--> 3.70 3.75 3.80 3.85 3.90

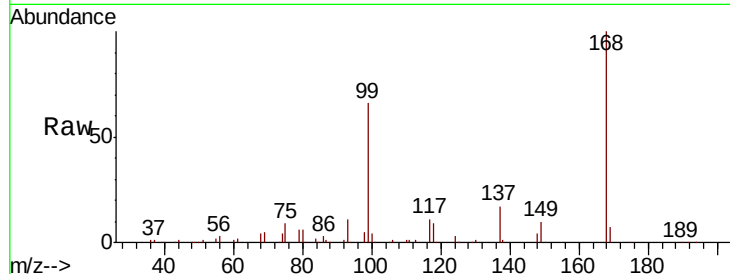




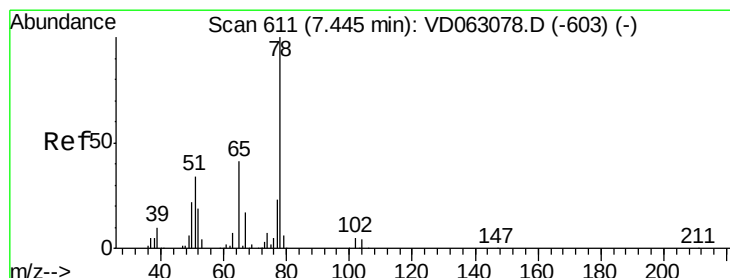
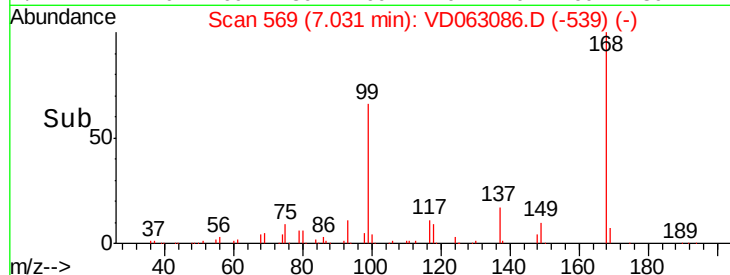
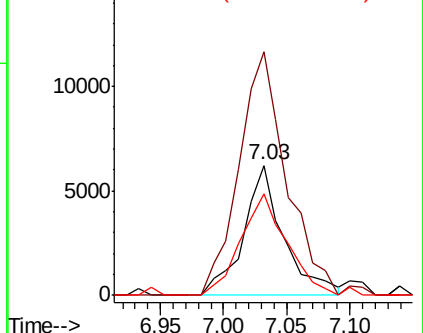
#31
Cyclohexane
Concen: 1.825 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.10 min
Lab File: VD063086.D
Acq: 15 Jul 2019 17:49

Instrument :
MSVOA_D
ClientSampleId :
SU-04-071119-A

Tot Ion: 56 Resp: 13825
Ion Ratio Lower Upper
56 100
69 187.6 25.3 37.9#
84 78.2 64.2 96.4

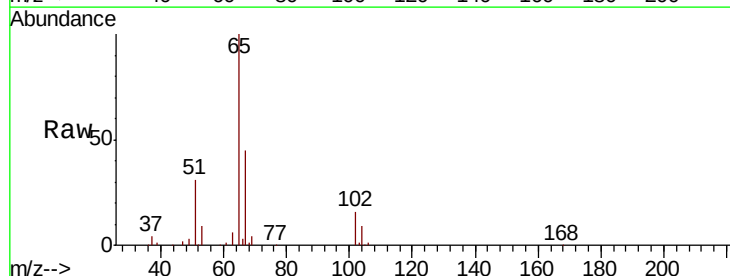


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

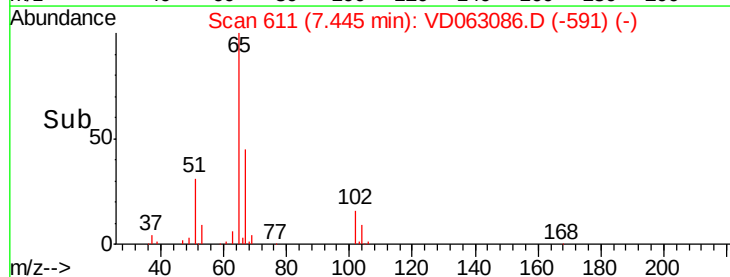
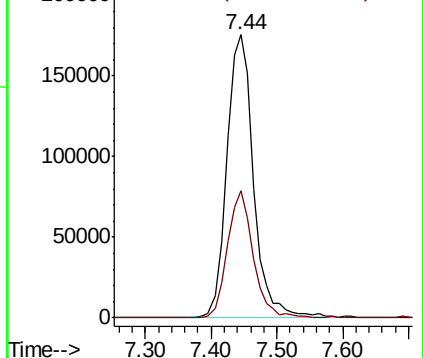


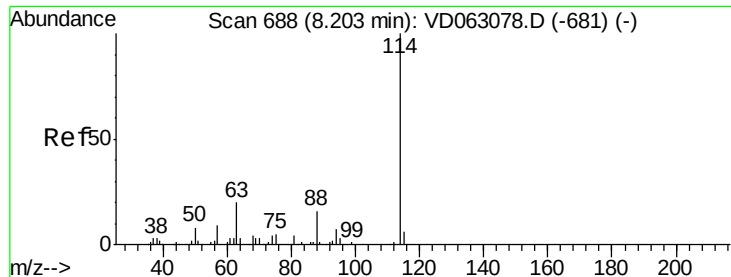
#33
1,2-Dichloroethane-d4
Concen: 62.489 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063086.D
Acq: 15 Jul 2019 17:49

Tgt Ion: 65 Resp: 497156
Ion Ratio Lower Upper
65 100
67 45.1 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: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063086.D

Acq: 15 Jul 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-A

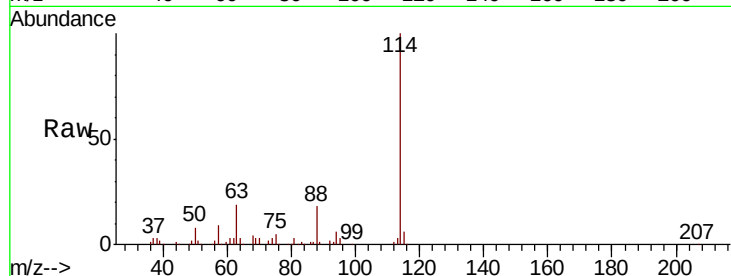
Tot Ion:114 Resp: 856893

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.6

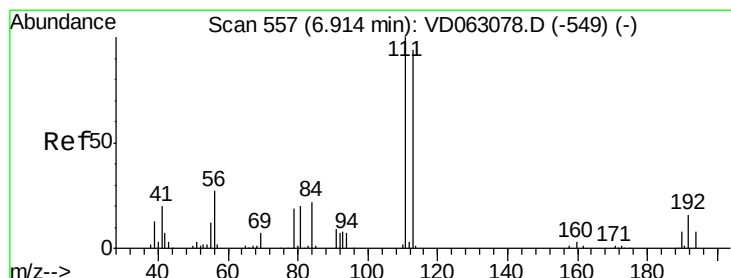
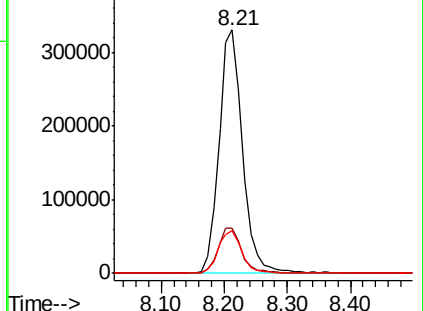
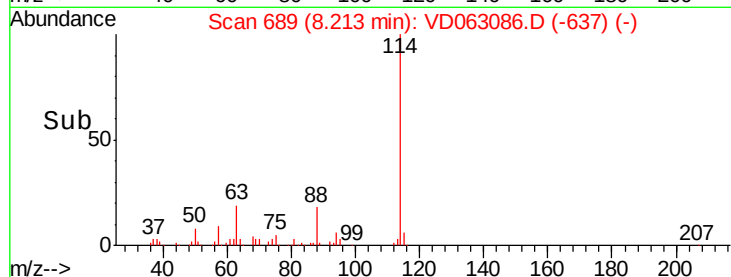
88 17.6 0.0 32.6



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



#35

Dibromofluoromethane

Concen: 62.858 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063086.D

Acq: 15 Jul 2019 17:49

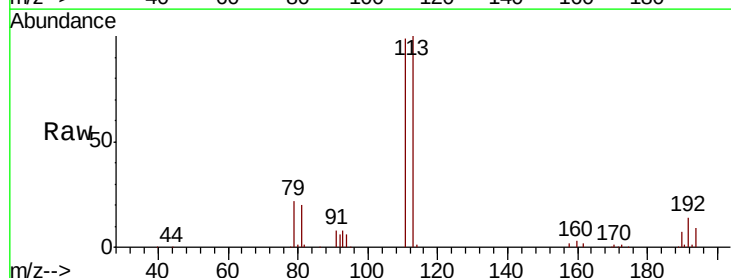
Tgt Ion:113 Resp: 536486

Ion Ratio Lower Upper

113 100

111 98.9 84.8 127.2

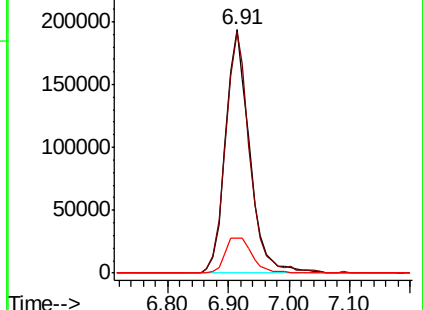
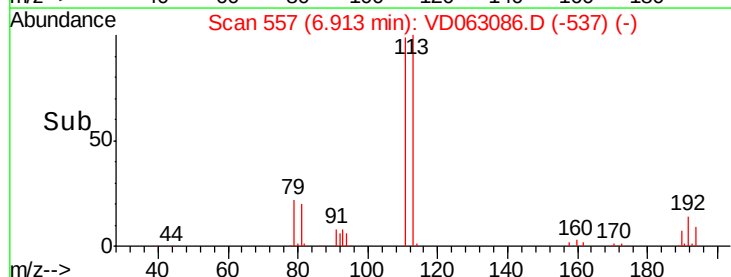
192 14.2 13.4 20.0

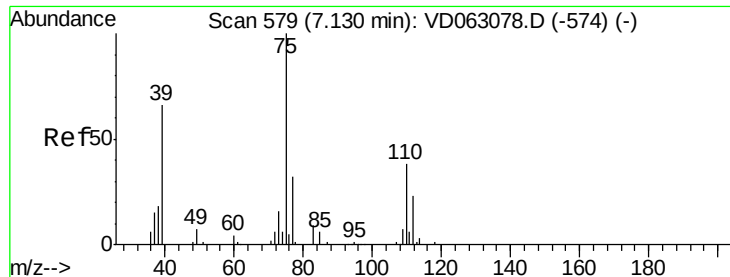


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

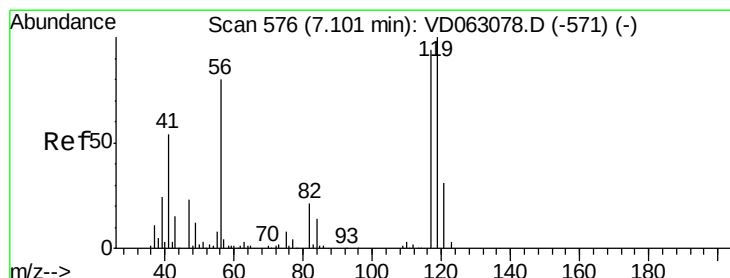
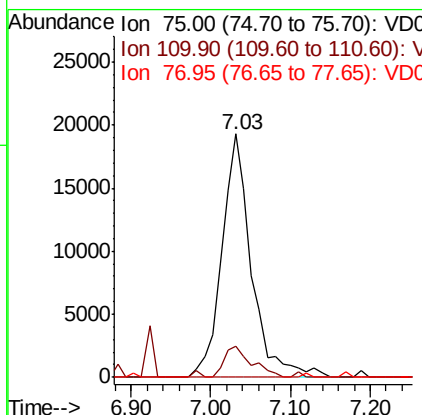
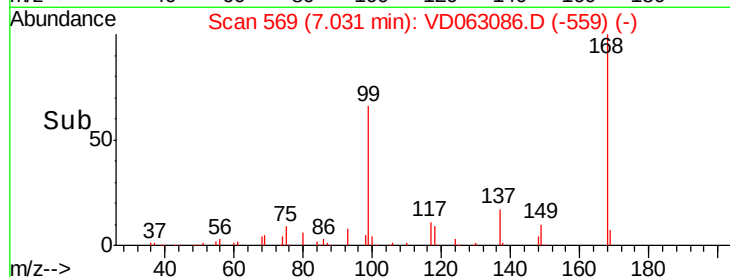
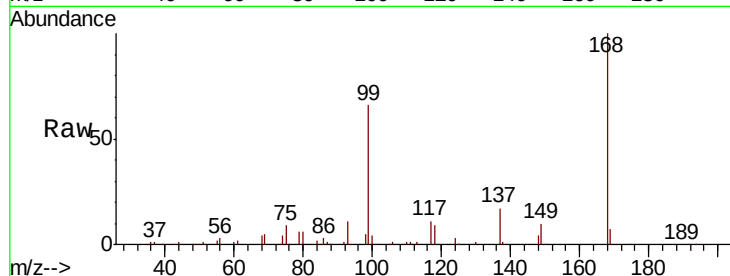




#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063086.D
 Acq: 15 Jul 2019 17:49

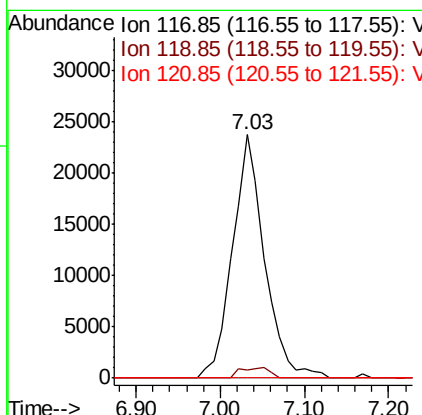
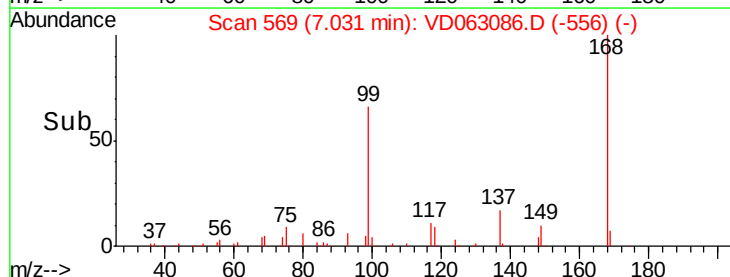
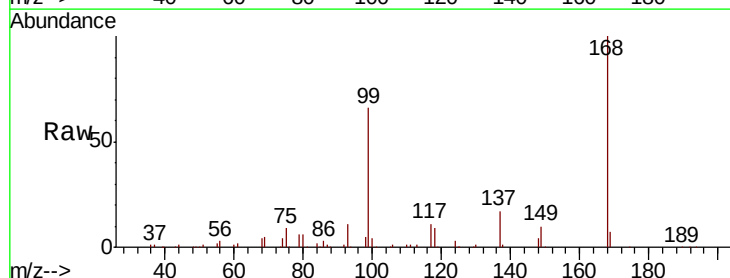
Instrument :
 MSVOA_D
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 SU-04-071119-A

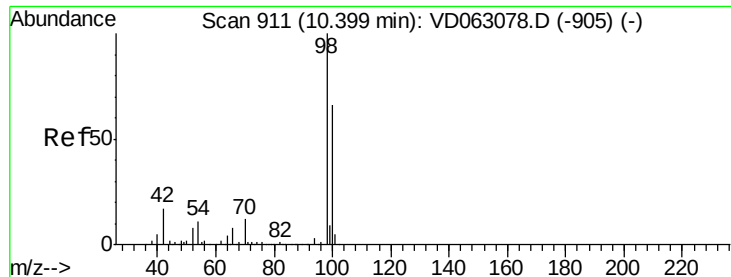
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.7	18.9	56.5#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 4.298 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD063086.D
 Acq: 15 Jul 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	80.0	120.0#
121	0.0	25.0	37.4#

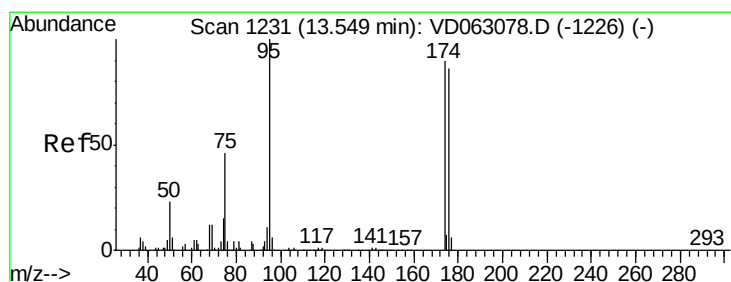
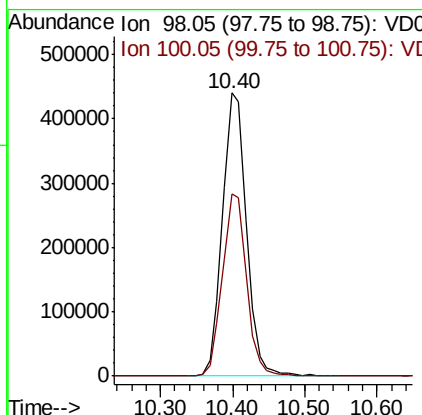
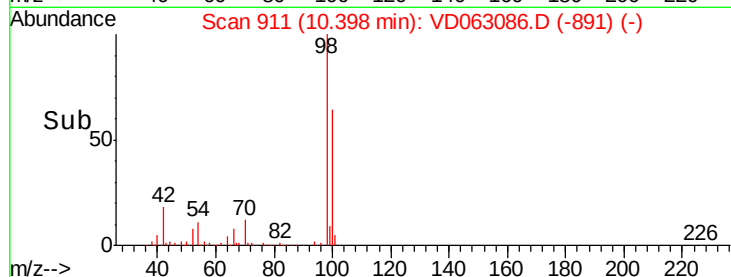
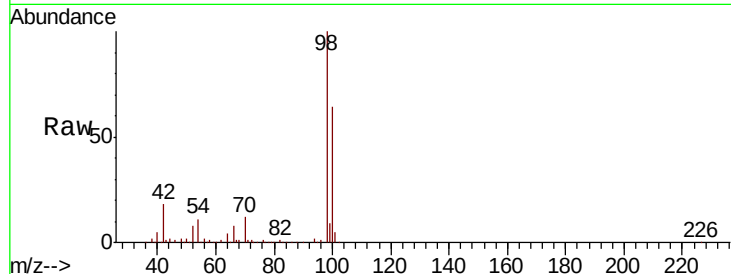




#50
Toluene-d8
Concen: 55.416 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063086.D
Acq: 15 Jul 2019 17:49

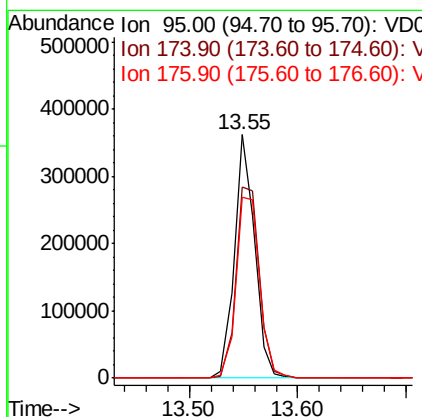
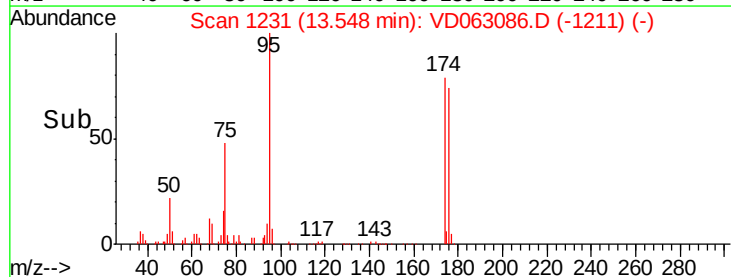
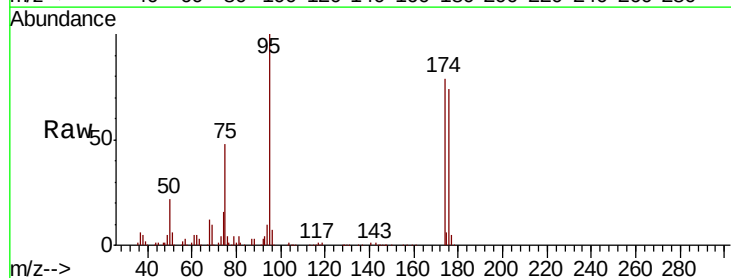
Instrument :
MSVOA_D
ClientSampleId :
SU-04-071119-A

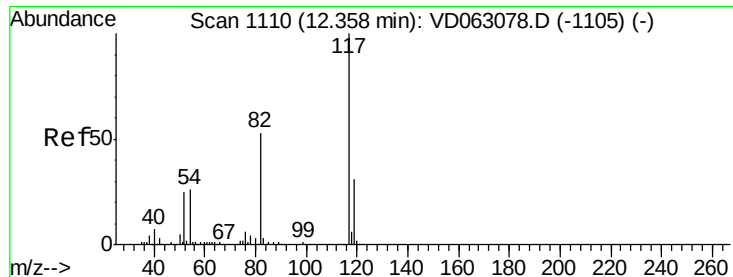
Tot Ion: 98 Resp: 1015932
Ion Ratio Lower Upper
98 100
100 64.4 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 55.645 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063086.D
Acq: 15 Jul 2019 17:49

Tgt Ion: 95 Resp: 471951
Ion Ratio Lower Upper
95 100
174 78.6 0.0 180.6
176 74.1 0.0 172.2

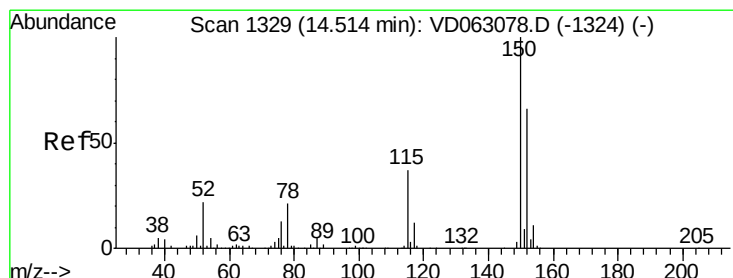
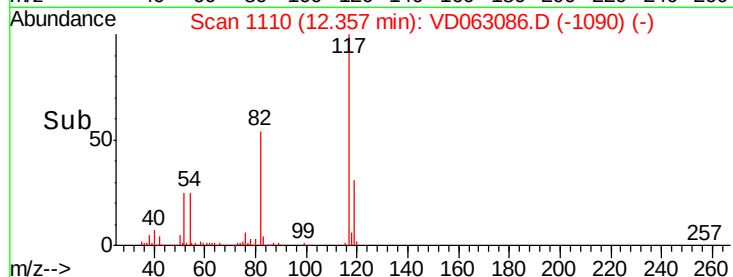
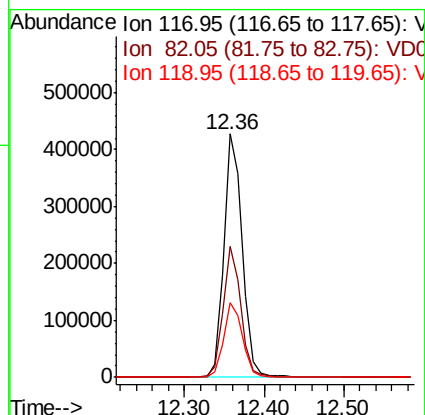
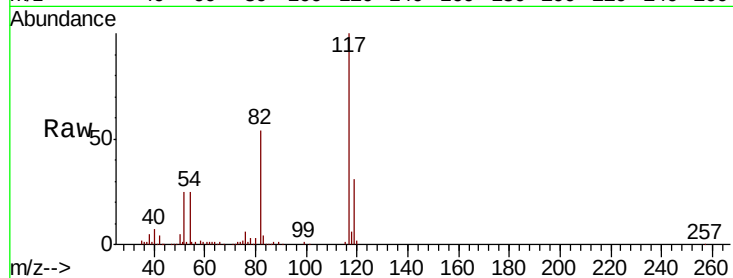




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063086.D
Acq: 15 Jul 2019 17:49

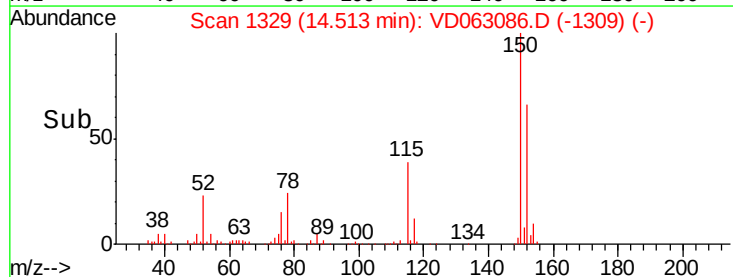
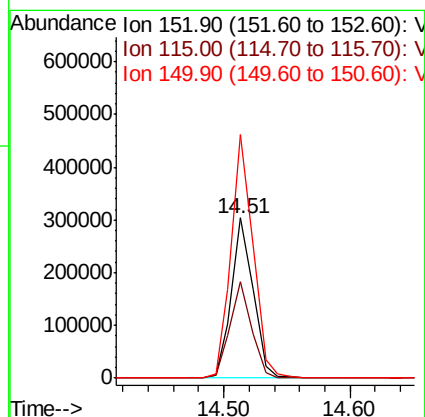
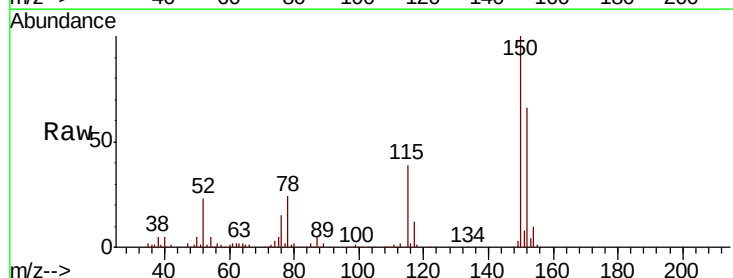
Instrument :
MSVOA_D
ClientSampleId :
SU-04-071119-A

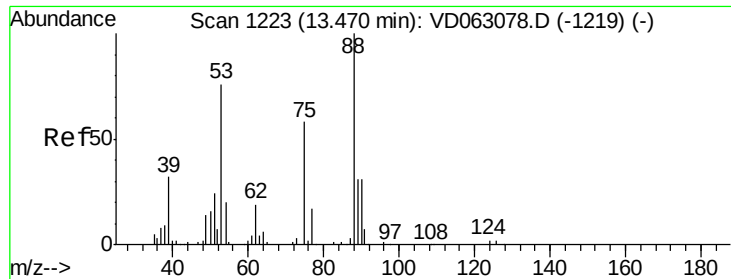
Tot Ion:117 Resp: 696401
Ion Ratio Lower Upper
117 100
82 53.9 42.3 63.5
119 30.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063086.D
Acq: 15 Jul 2019 17:49

Tgt Ion:152 Resp: 360699
Ion Ratio Lower Upper
152 100
115 60.0 28.9 86.8
150 152.1 0.0 313.8





#81

trans-1,4-Dichloro-2-butene

Concen: 148.321 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063086.D

Acq: 15 Jul 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

SU-04-071119-A

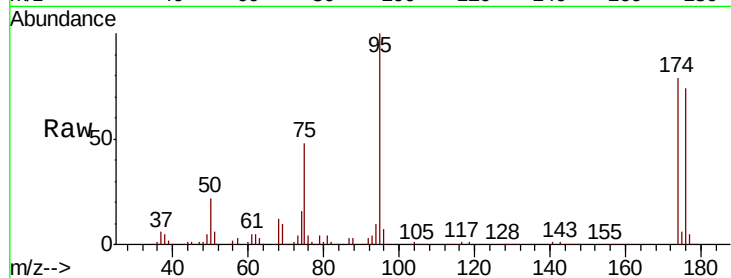
Tot Ion: 75 Resp: 216719

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

