

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063645.D
 Acq On : 16 Aug 2019 18:31
 Operator : JC/SY
 Sample : K4389-07
 Misc : 4.85g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-F(2)

Quant Time: Aug 17 06:03:09 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	7.01	168	192	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.24
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-12.38
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-14.53

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	211	102.81	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	205.62%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	

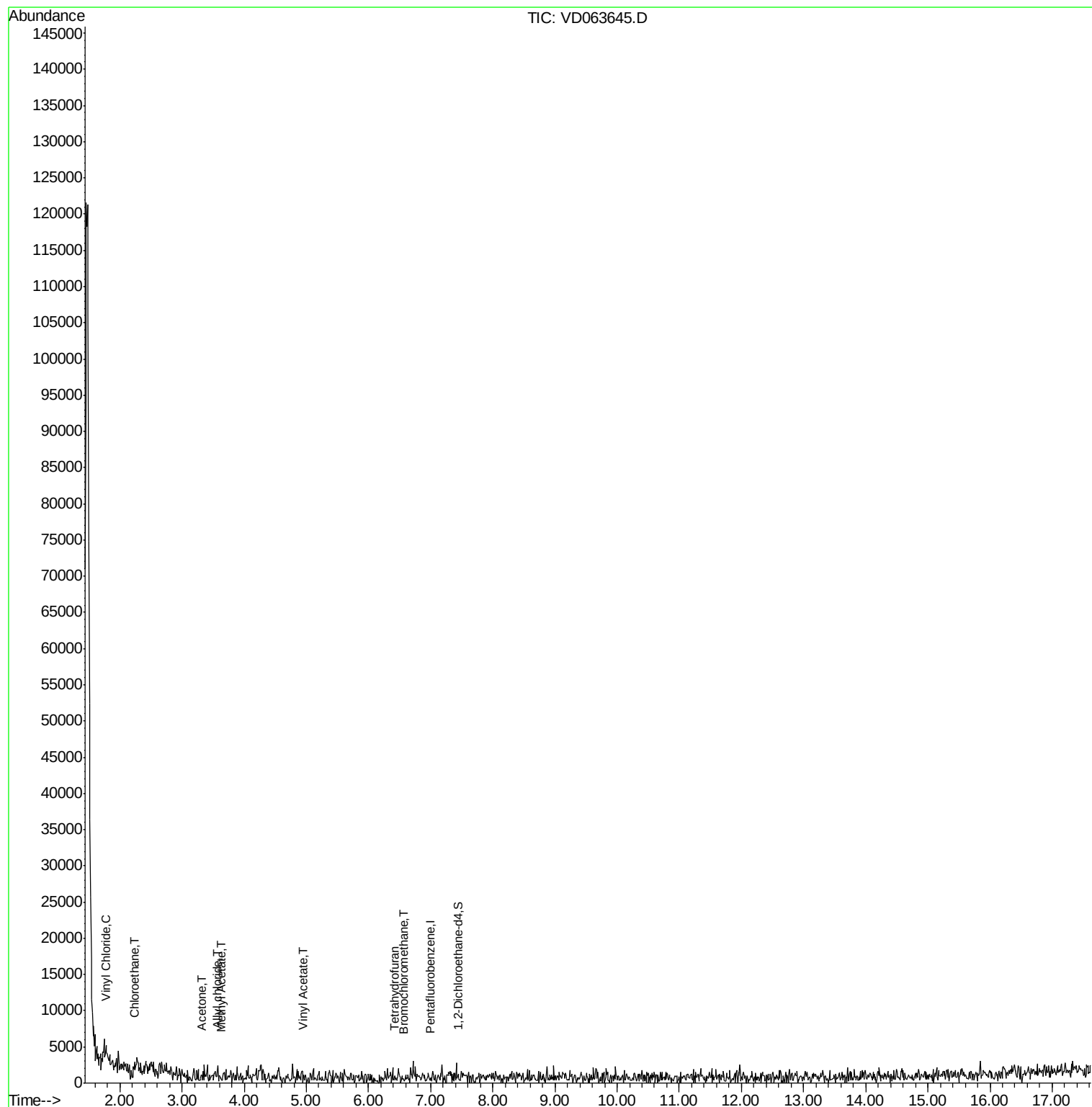
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.76	62	217	120.445	ug/l #	42
6) Chloroethane	2.24	64	204	247.607	ug/l #	42
14) Allyl chloride	3.56	41	207	88.755	ug/l #	8
16) Acetone	3.31	43	207	496.166	ug/l #	65
18) Methyl Acetate	3.64	43	260	329.018	ug/l #	57
23) Vinyl Acetate	4.96	43	205	73.270	ug/l #	82
28) Bromochloromethane	6.56	49	191	157.881	ug/l #	7
29) Tetrahydrofuran	6.41	42	186	968.748	ug/l #	35

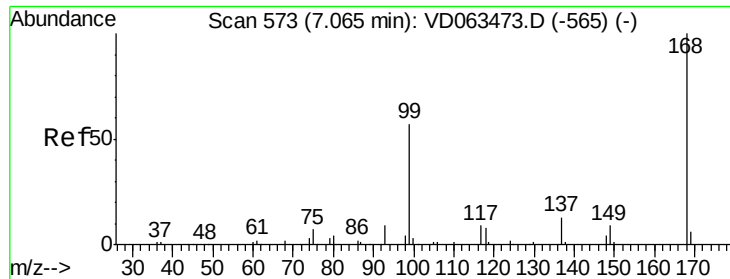
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.05 min

Lab File: VD063645.D

Acq: 16 Aug 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

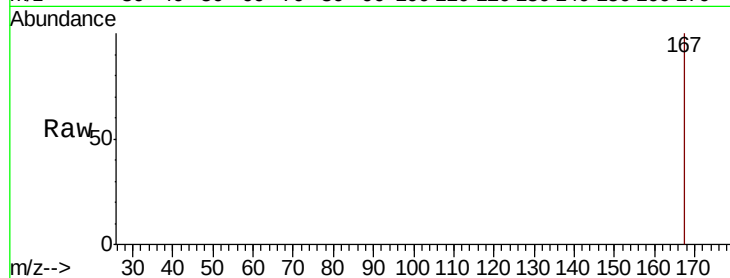
T4-F(2)

Tgt Ion:168 Resp: 192

Ion Ratio Lower Upper

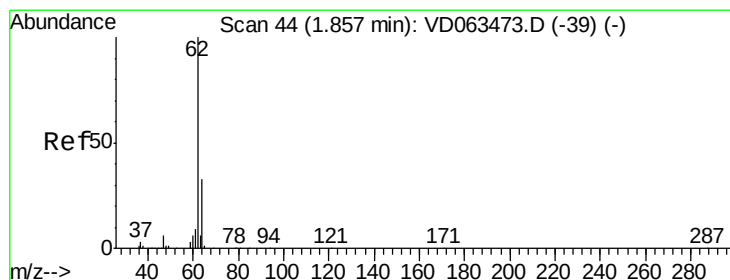
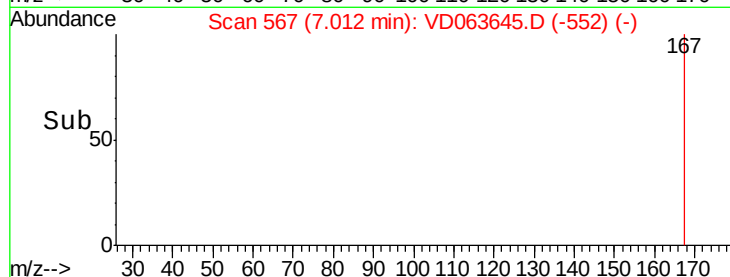
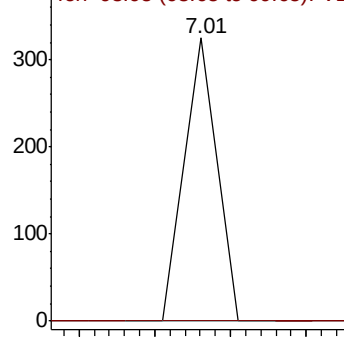
168 100

99 0.0 46.7 70.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 120.445 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.09 min

Lab File: VD063645.D

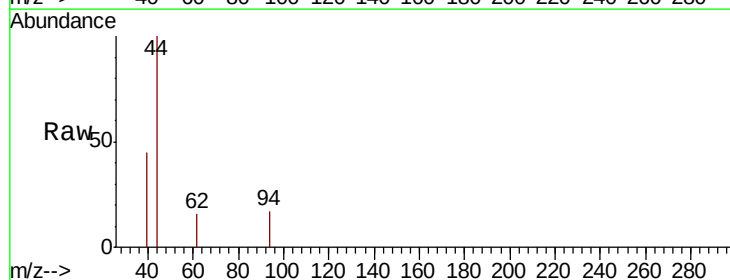
Acq: 16 Aug 2019 18:31

Tgt Ion: 62 Resp: 217

Ion Ratio Lower Upper

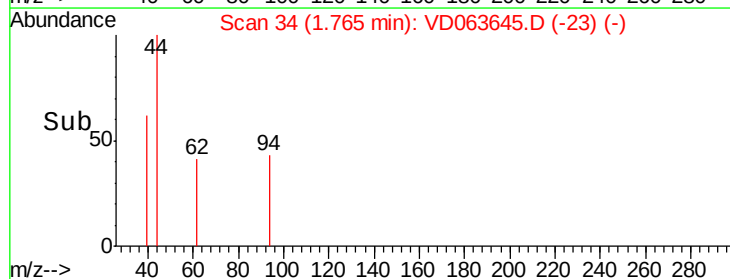
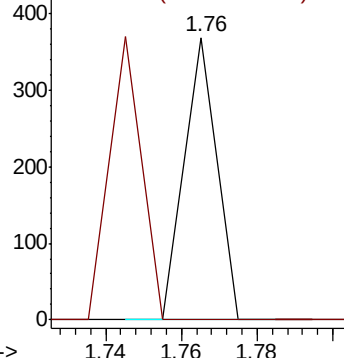
62 100

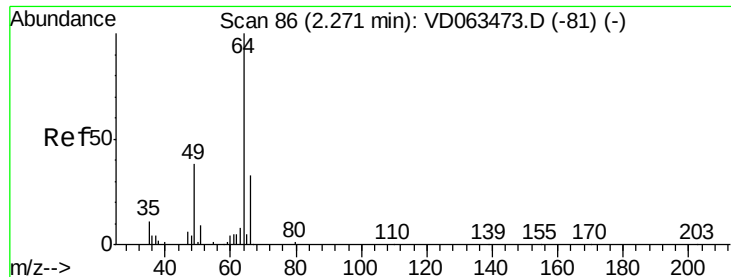
64 0.0 26.4 39.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#6

Chloroethane

Concen: 247.607 ug/l

RT: 2.24 min Scan# 82

Delta R.T. -0.03 min

Lab File: VD063645.D

Acq: 16 Aug 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

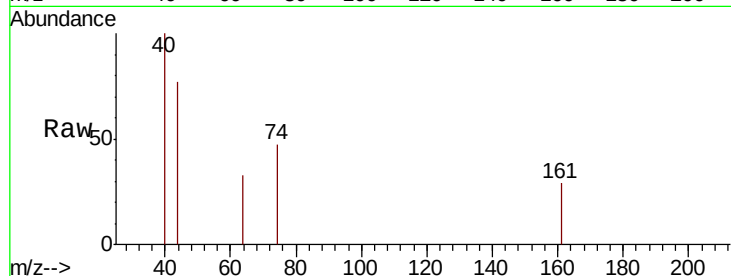
T4-F(2)

Tgt Ion: 64 Resp: 204

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

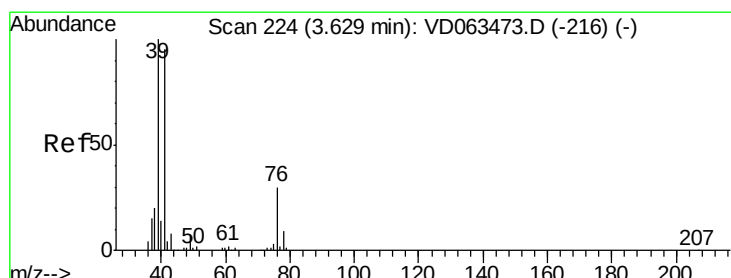
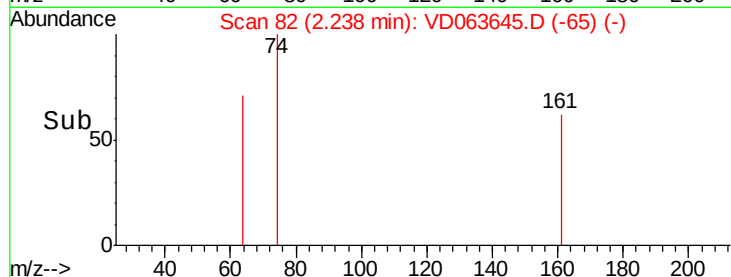
300

200

100

0

Time--> 2.20 2.22 2.24 2.26



#14

Allyl chloride

Concen: 88.755 ug/l

RT: 3.56 min Scan# 216

Delta R.T. -0.07 min

Lab File: VD063645.D

Acq: 16 Aug 2019 18:31

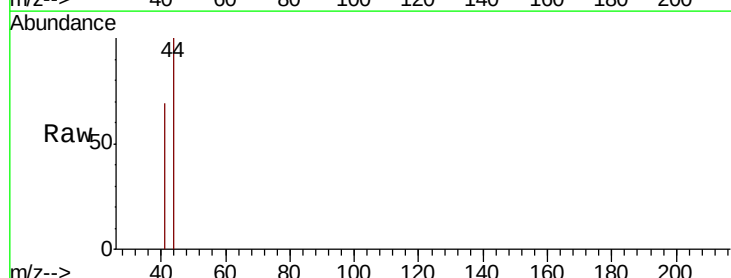
Tgt Ion: 41 Resp: 207

Ion Ratio Lower Upper

41 100

39 0.0 84.2 126.4#

76 0.0 26.0 39.0#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.56

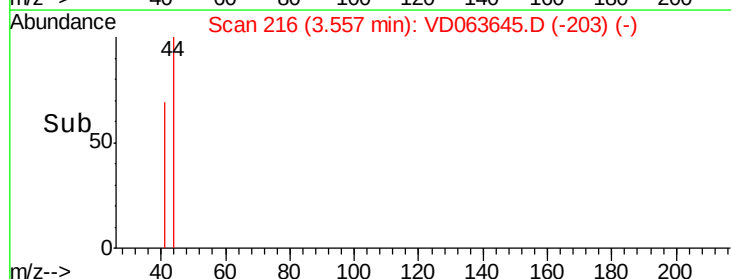
300

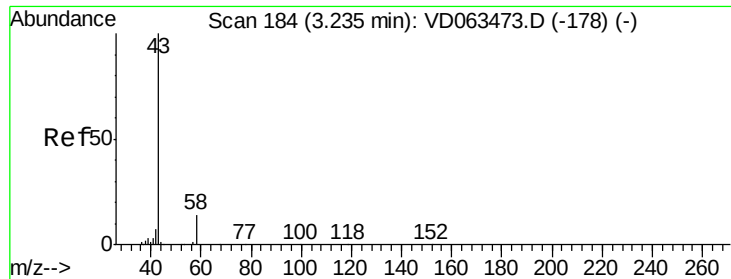
200

100

0

Time--> 3.52 3.54 3.56 3.58

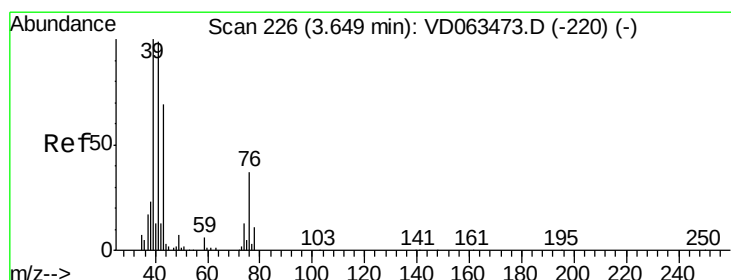
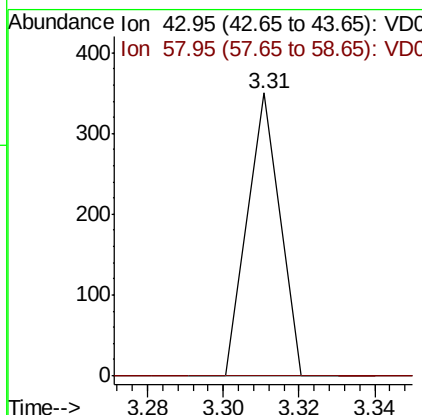
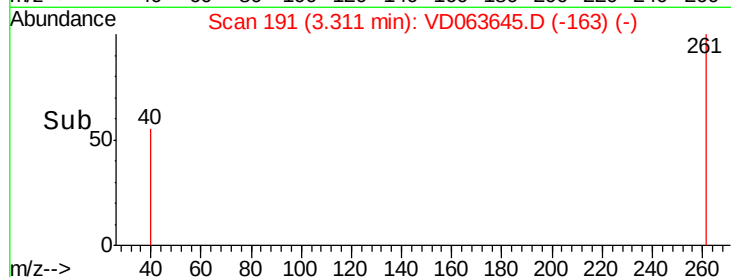
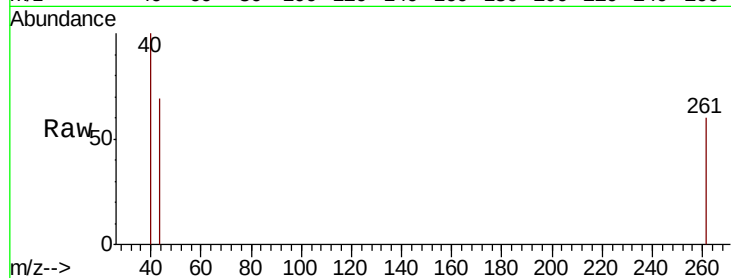




#16
Acetone
Concen: 496.166 ug/l
RT: 3.31 min Scan# 191
Delta R.T. 0.08 min
Lab File: VD063645.D
Acq: 16 Aug 2019 18:31

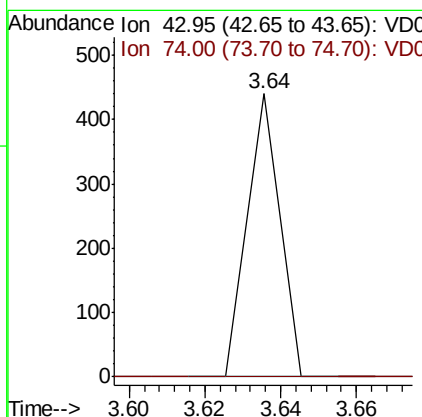
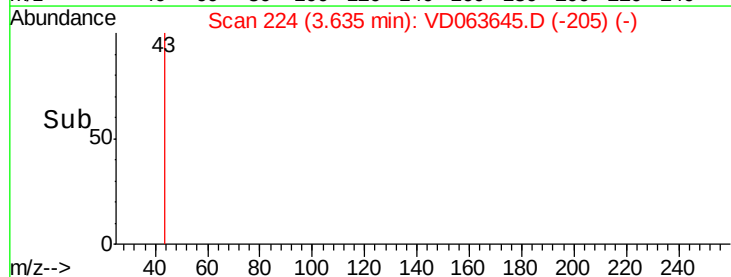
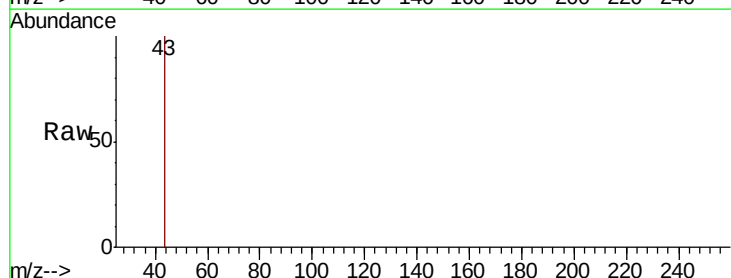
Instrument :
MSVOA_D
ClientSampleId :
T4-F(2)

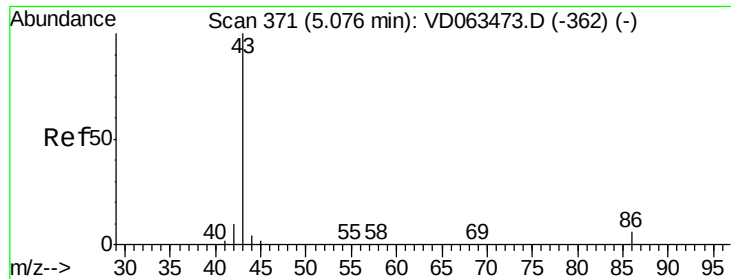
Tgt Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
58 0.0 11.4 17.2#



#18
Methyl Acetate
Concen: 329.018 ug/l
RT: 3.64 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063645.D
Acq: 16 Aug 2019 18:31

Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#





#23

Vinyl Acetate

Concen: 73.270 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.11 min

Lab File: VD063645.D

Acq: 16 Aug 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

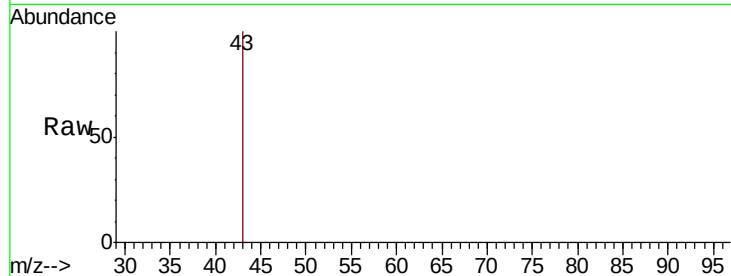
T4-F(2)

Tgt Ion: 43 Resp: 205

Ion Ratio Lower Upper

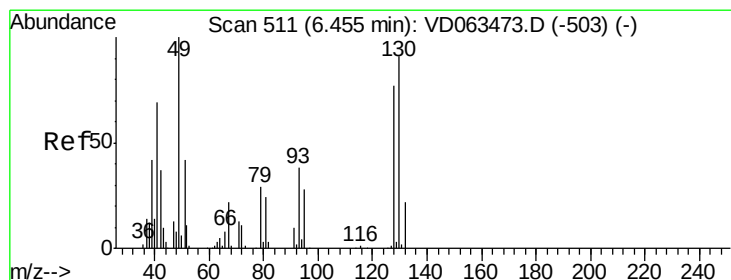
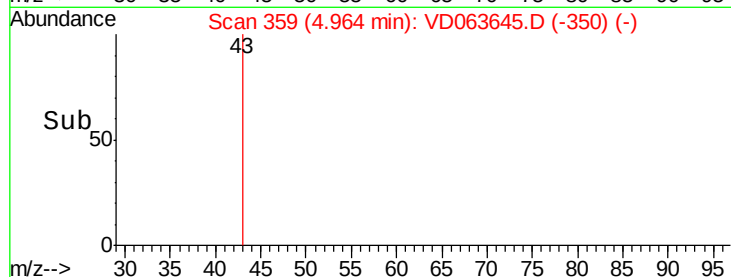
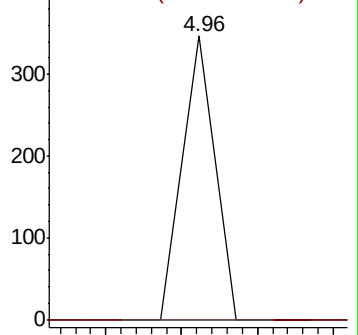
43 100

86 0.0 4.8 7.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#28

Bromochloromethane

Concen: 157.881 ug/l

RT: 6.56 min Scan# 521

Delta R.T. 0.10 min

Lab File: VD063645.D

Acq: 16 Aug 2019 18:31

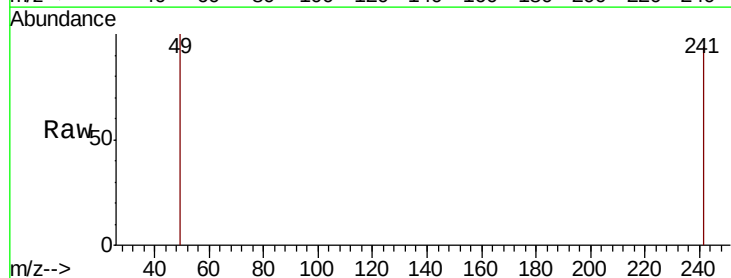
Tgt Ion: 49 Resp: 191

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

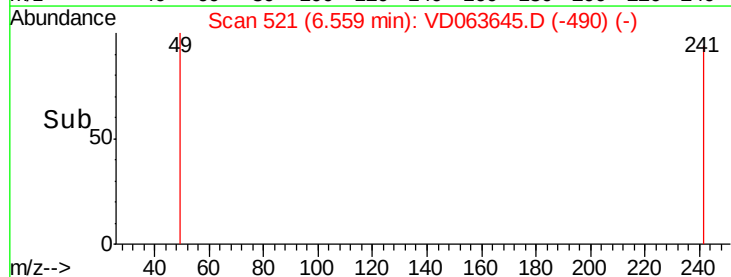
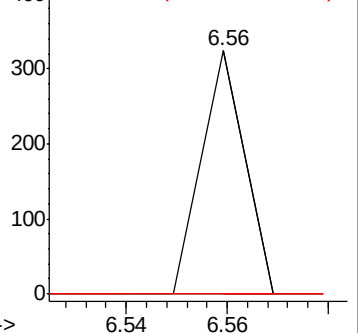
130 0.0 72.4 108.6#

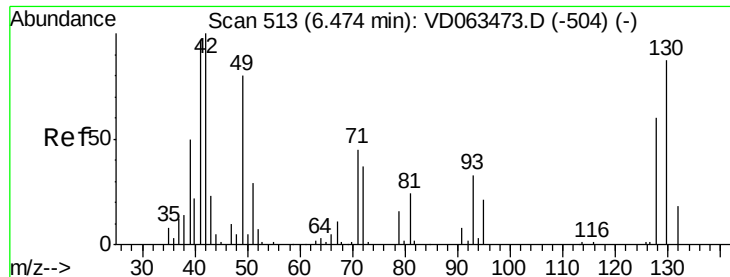


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 968.748 ug/l

RT: 6.41 min Scan# 506

Delta R.T. -0.06 min

Lab File: VD063645.D

Acq: 16 Aug 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

T4-F(2)

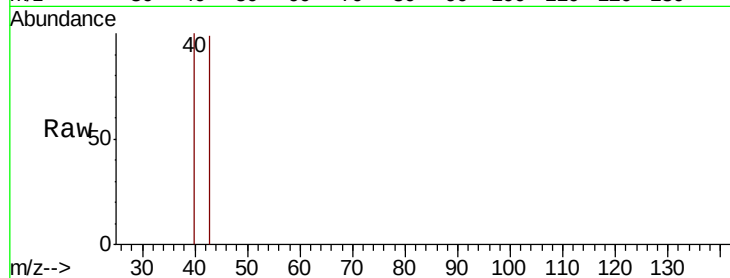
Tgt Ion: 42 Resp: 186

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

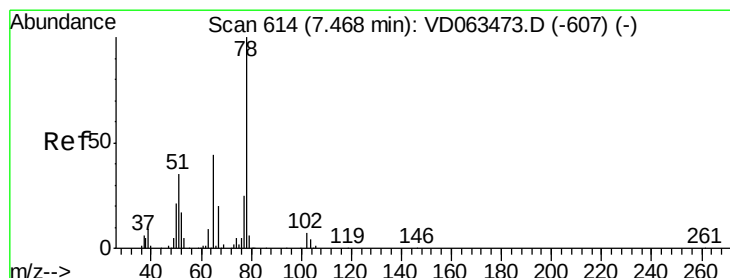
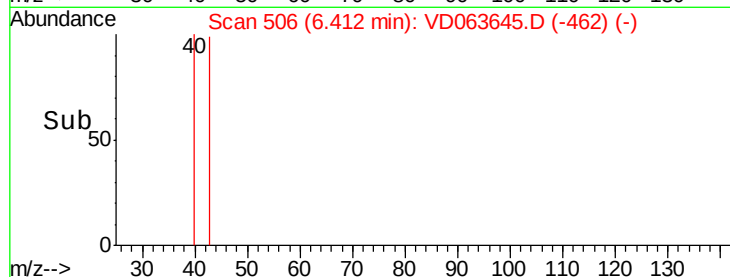
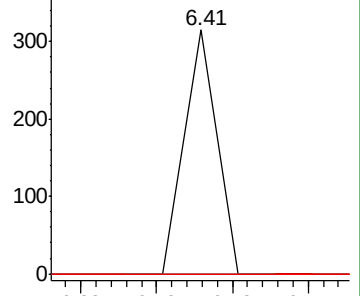
71 0.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 102.810 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD063645.D

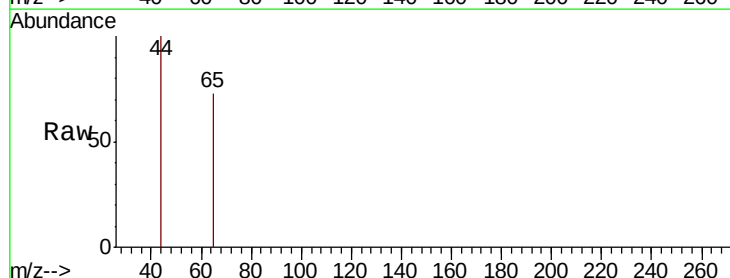
Acq: 16 Aug 2019 18:31

Tgt Ion: 65 Resp: 211

Ion Ratio Lower Upper

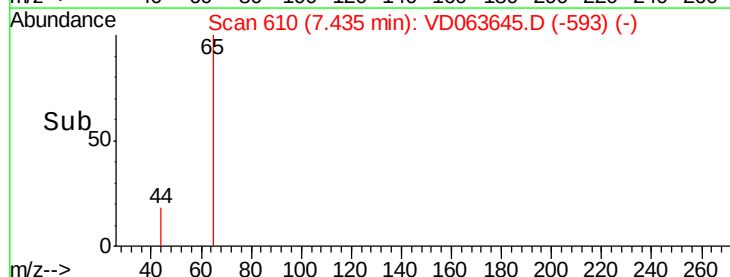
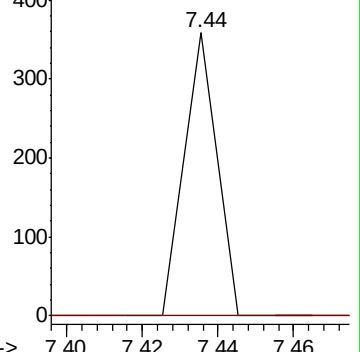
65 100

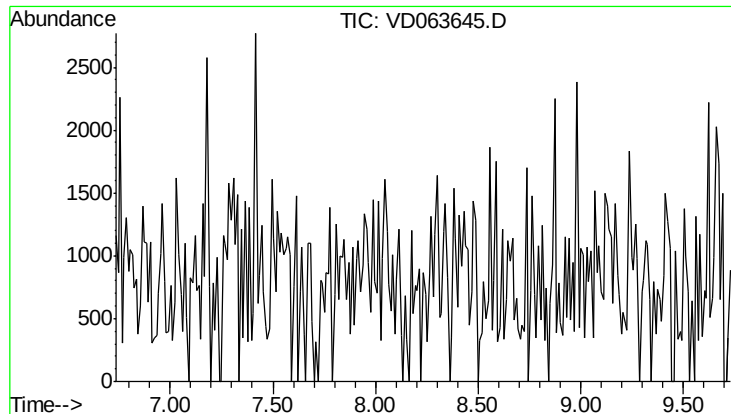
67 0.0 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

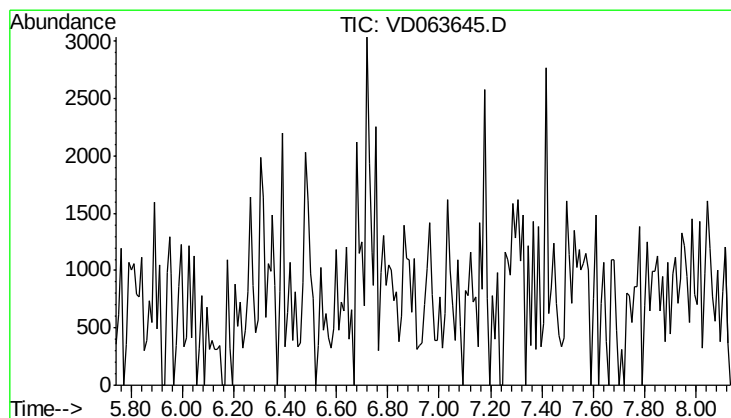
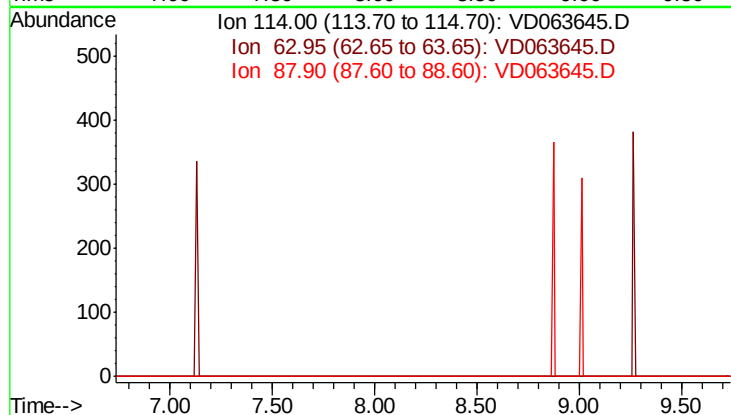




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.24 min
 Lab File: VD063645.D
 Acq: 16 Aug 2019 18:31

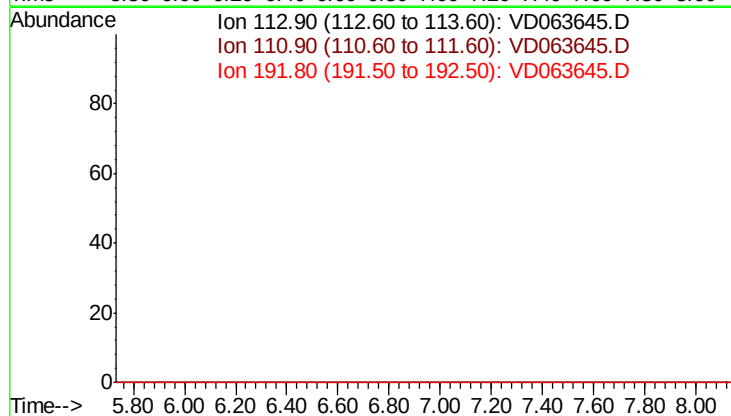
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-F(2)

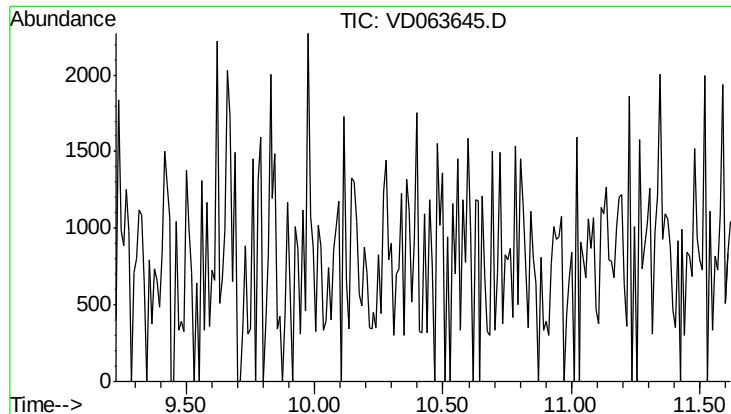
Tgt Ion	Exp Ratio
114	100
63	18.1
88	17.5



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 6.94 min
 Lab File: VD063645.D
 Acq: 16 Aug 2019 18:31

Tgt Ion	Exp Ratio
113	100
111	103.9
192	16.4



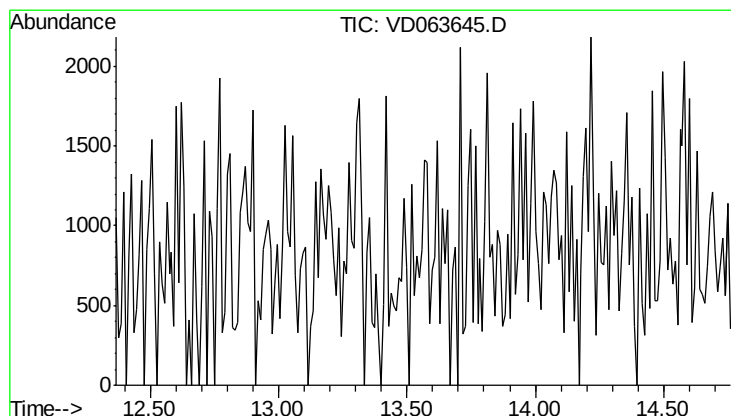
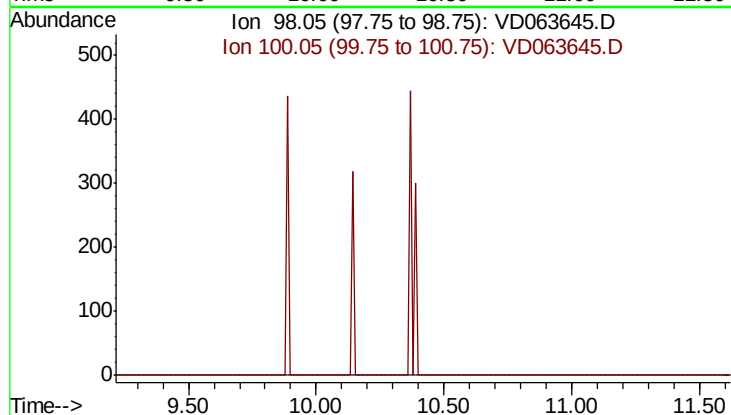


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.42 min

Lab File: VD063645.D
Acq: 16 Aug 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
T4-F(2)

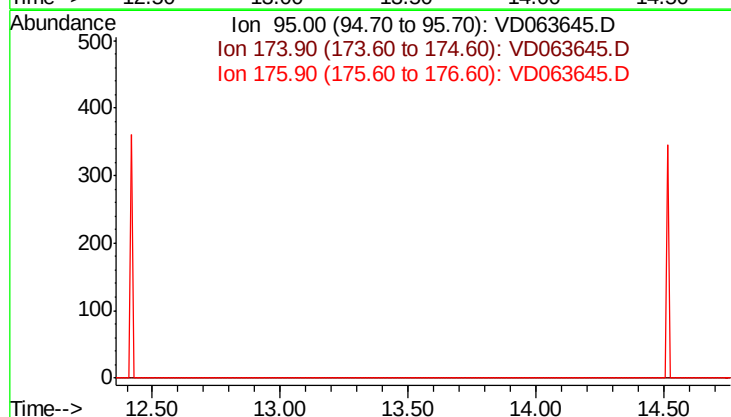
Tgt Ion: 98
Sig Exp Ratio
98 100
100 64.6

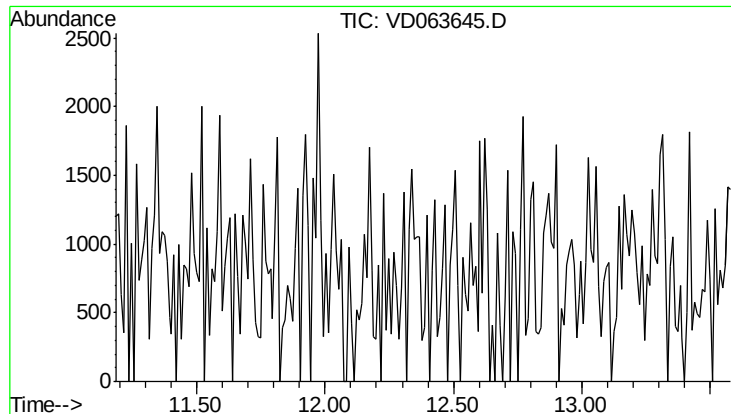


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 13.56 min

Lab File: VD063645.D
Acq: 16 Aug 2019 18:31

Tgt Ion: 95
Sig Exp Ratio
95 100
174 77.7
176 76.2

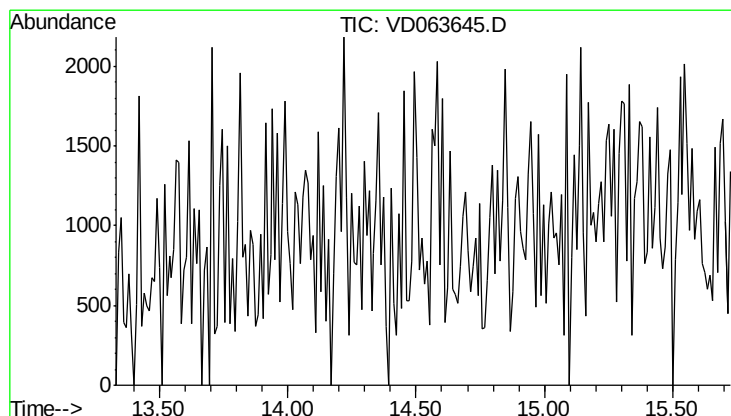
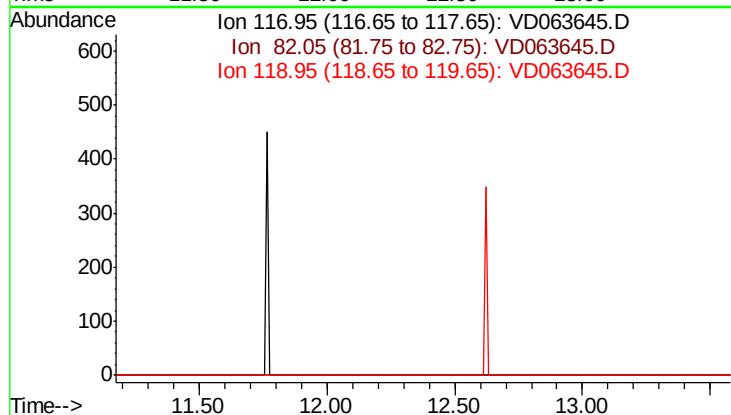




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 12.38 min
 Lab File: VD063645.D
 Acq: 16 Aug 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-F(2)

Tgt Ion	Exp Ratio
117	100
82	52.5
119	31.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 14.53 min
 Lab File: VD063645.D
 Acq: 16 Aug 2019 18:31

Tgt Ion	Exp Ratio
152	100
115	61.8
150	159.3

