

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063935.D
 Acq On : 11 Oct 2019 14:18
 Operator : VA/SY
 Sample : K5298-05
 Misc : 5.58G/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11

Quant Time: Oct 12 01:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	148049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	262966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	84344	58.52	ug/l	0.00
Spiked Amount			Recovery	=	117.04%	
35) Dibromofluoromethane	7.91	113	88856	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	
50) Toluene-d8	10.34	98	347758	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.63	95	104525	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	

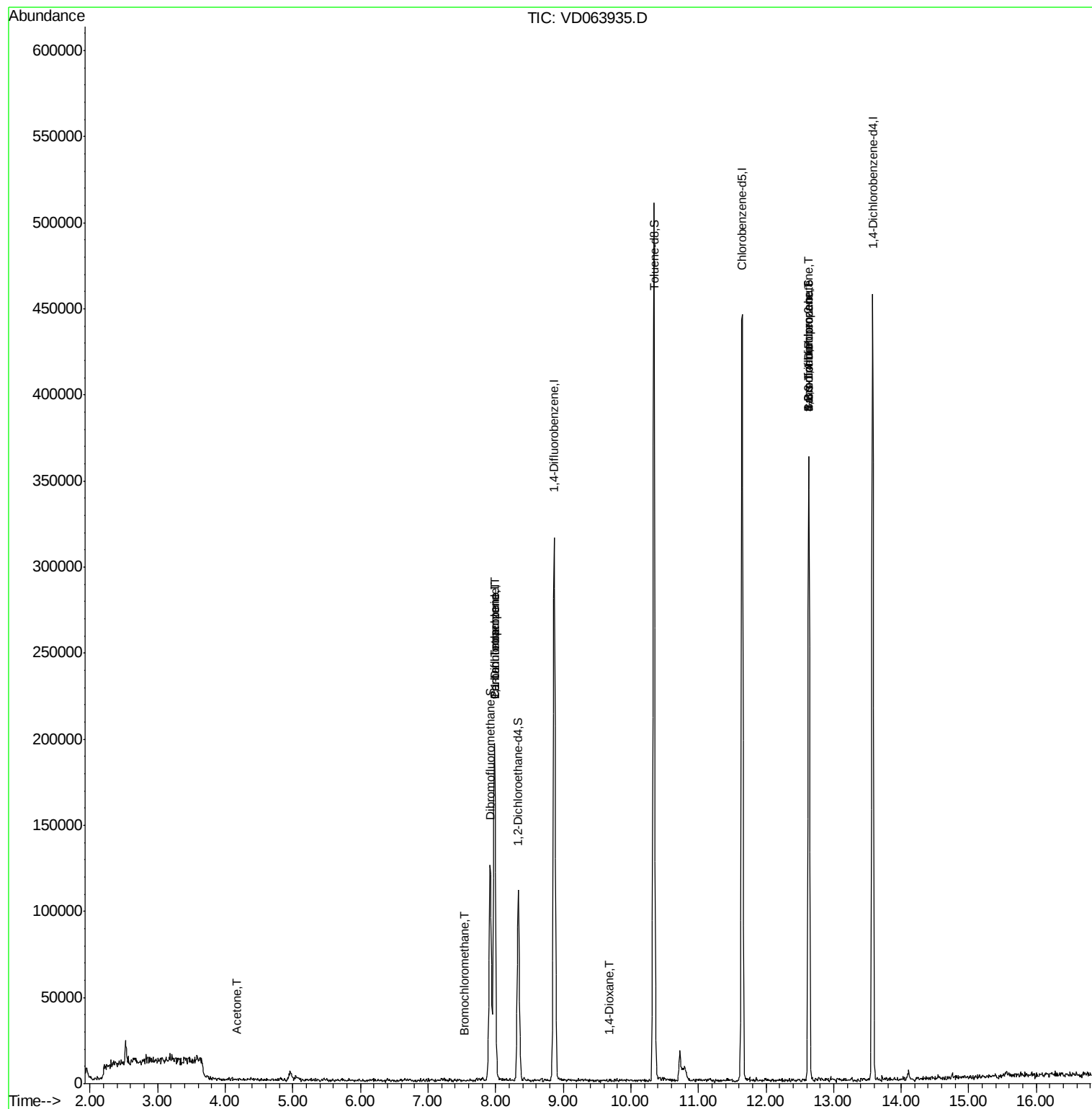
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	412	Below Cal	#	40
11) Tert butyl alcohol	5.24	59	383	Below Cal	#	71
16) Acetone	4.17	43	643	1.713	ug/l #	42
20) Methylene Chloride	4.96	84	3857	Below Cal	#	66
28) Bromochloromethane	7.53	49	113	1.974	ug/l #	10
31) Cyclohexane	7.98	56	3908	Below Cal	#	42
36) 1,1-Dichloropropene	7.98	75	11474	4.636	ug/l #	49
37) Ethyl Acetate	7.31	43	157	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	15484	6.191	ug/l #	19
49) 1,4-Dioxane	9.68	88	62	4.594	ug/l #	24
71) Bromoform	12.63	173	1483	1.420	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	57337	71.045	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	57337	125.722	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.47	75	142	Below Cal	#	1

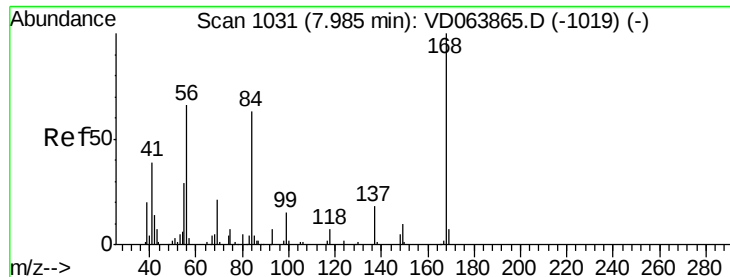
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101119\
Data File : VD063935.D
Acq On : 11 Oct 2019 14:18
Operator : VA/SY
Sample : K5298-05
Misc : 5.58G/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-11

Quant Time: Oct 12 01:36:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

Instrument :

MSVOA_D

ClientSampled :

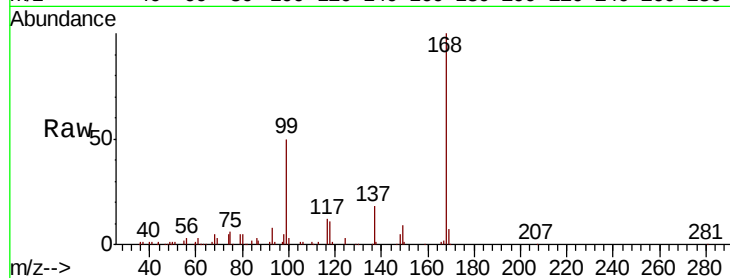
TP-11

Tot Ion:168 Resp: 148049

Ion Ratio Lower Upper

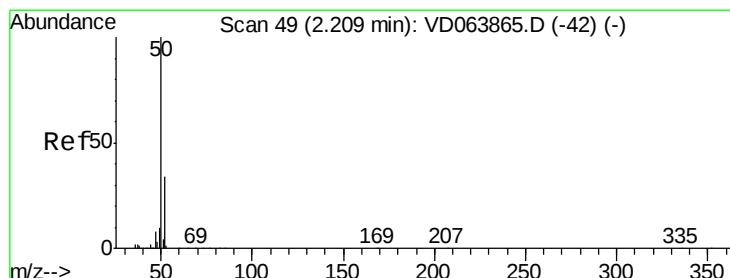
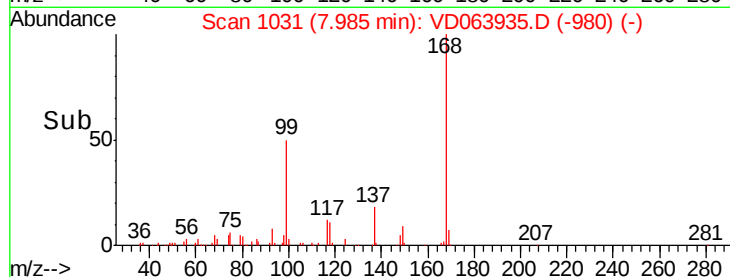
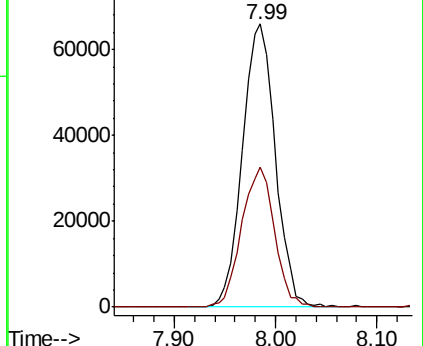
168 100

99 49.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD063935.D

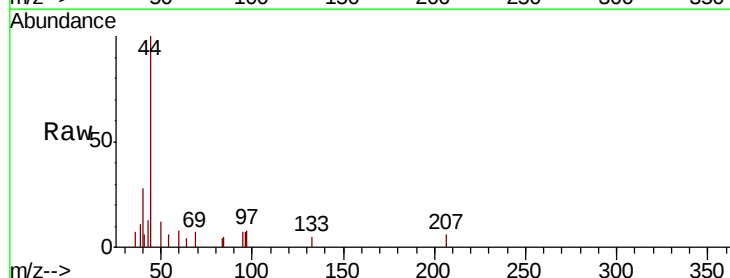
Acq: 11 Oct 2019 14:18

Tgt Ion: 50 Resp: 412

Ion Ratio Lower Upper

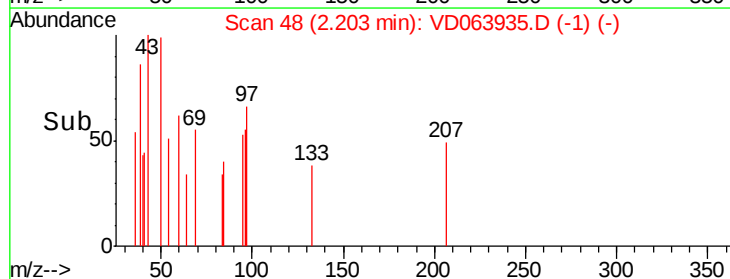
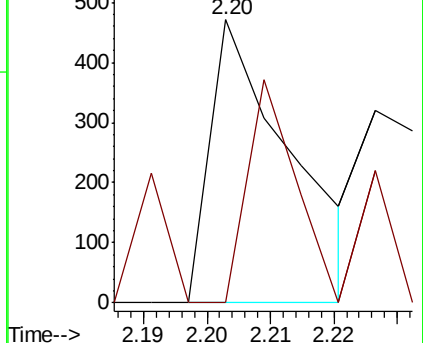
50 100

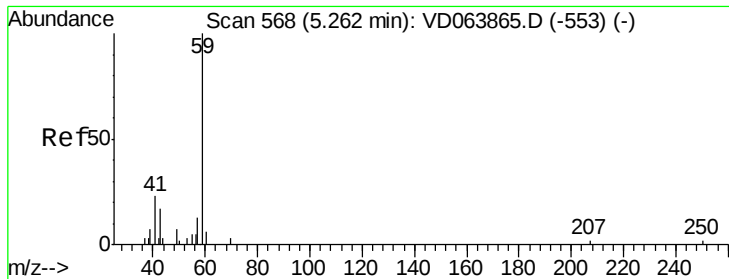
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



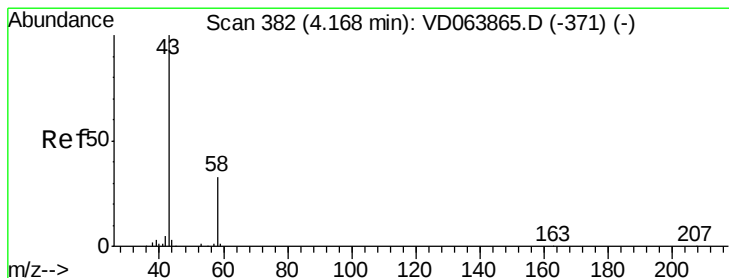
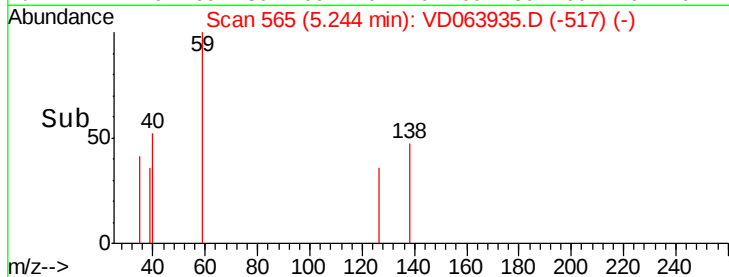
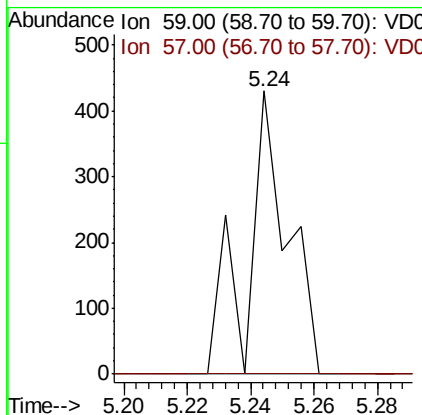
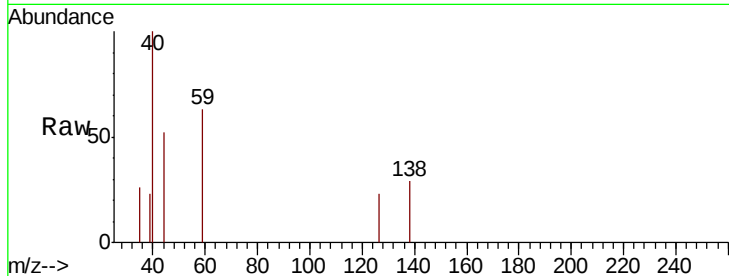


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063935.D
 Acq: 11 Oct 2019 14:18

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-11

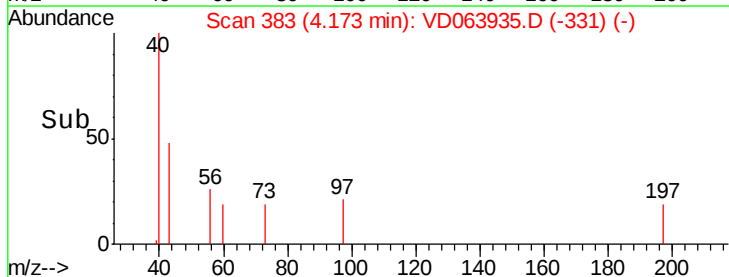
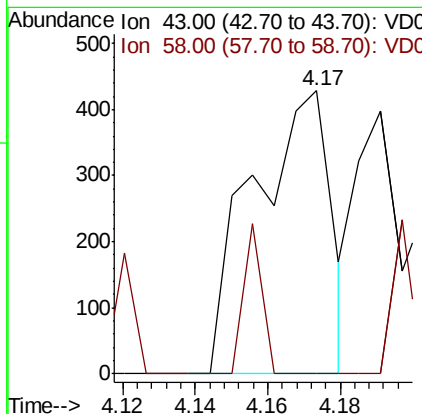
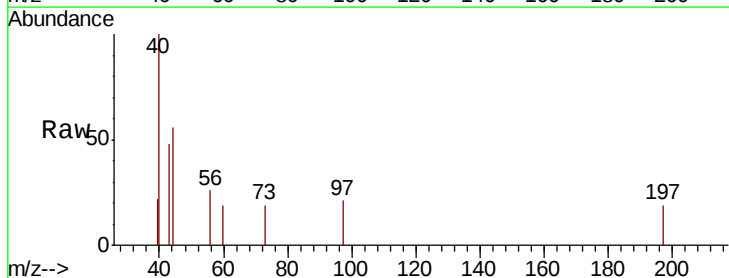
Tot Ion: 59 Resp: 383
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

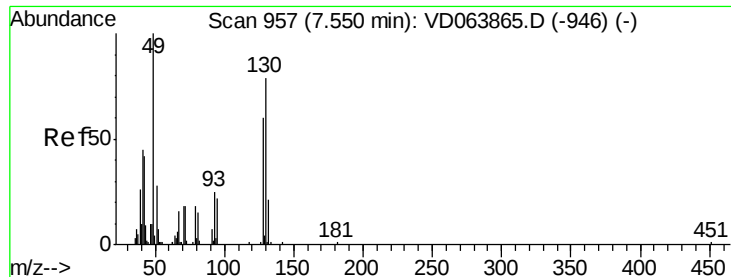


#16

Acetone
 Concen: 1.713 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD063935.D
 Acq: 11 Oct 2019 14:18

Tgt Ion: 43 Resp: 643
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#





#28

Bromochloromethane

Concen: 1.974 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.02 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

TP-11

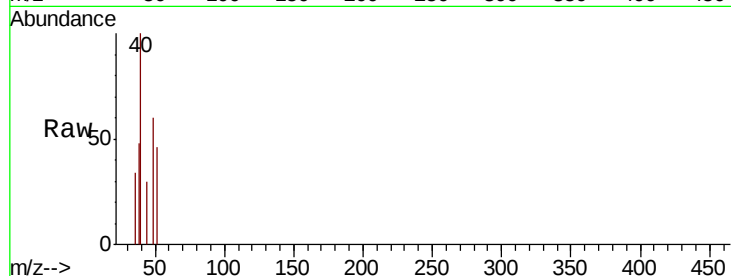
Tot Ion: 49 Resp: 113

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

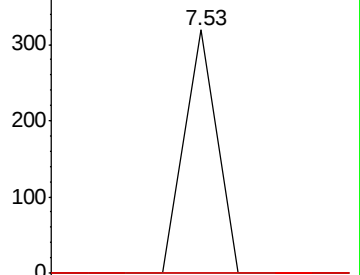
130 0.0 66.8 100.2#



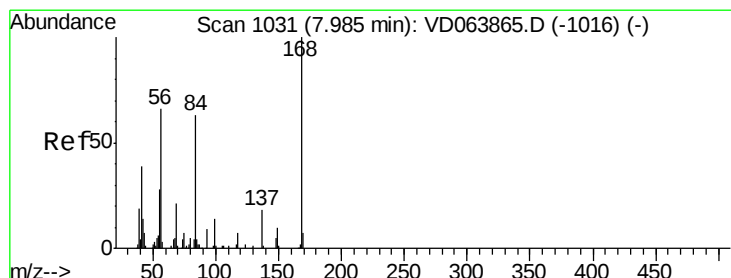
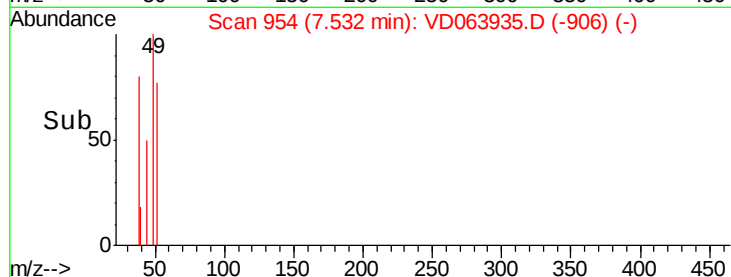
Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

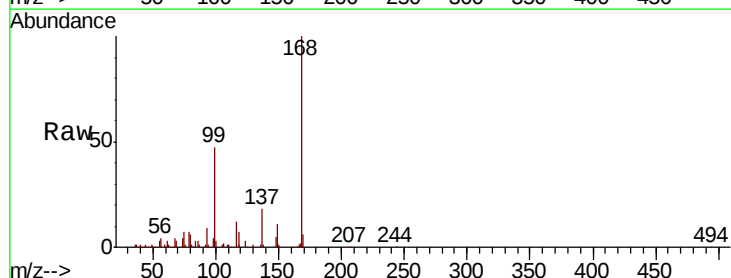
Tgt Ion: 56 Resp: 3908

Ion Ratio Lower Upper

56 100

69 81.2 25.0 37.4#

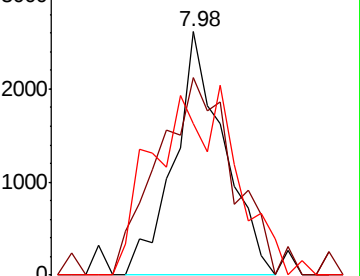
84 49.5 76.3 114.5#



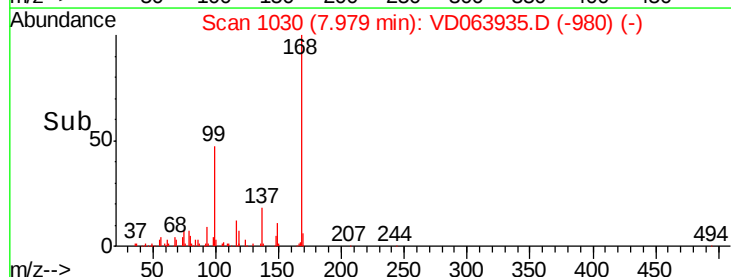
Abundance Ion 56.00 (55.70 to 56.70): VDC

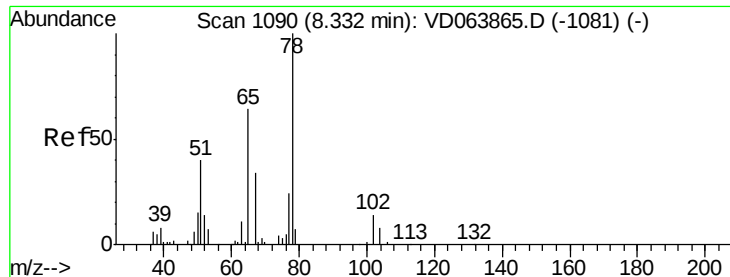
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.517 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

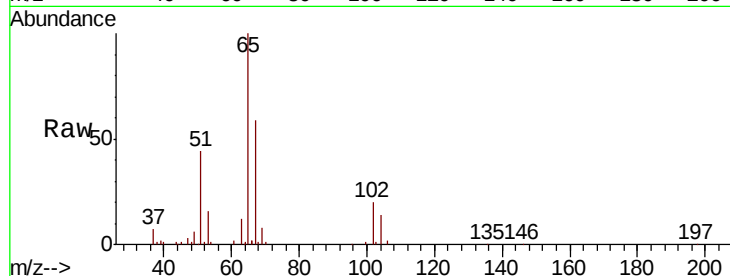
TP-11

Tot Ion: 65 Resp: 84344

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.33

40000

30000

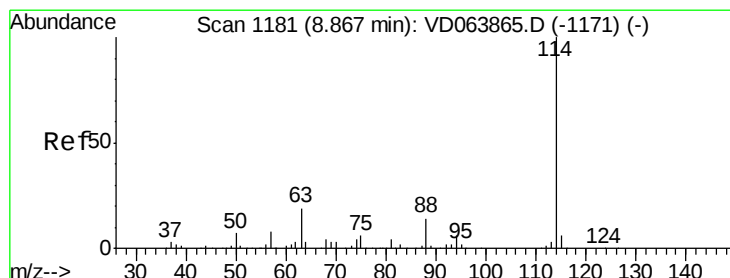
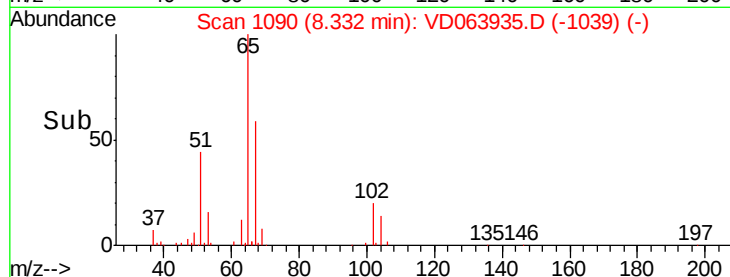
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

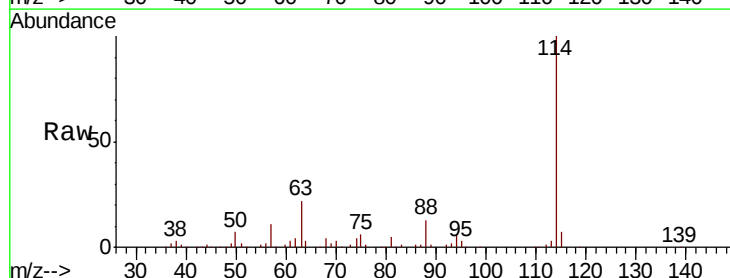
Tgt Ion:114 Resp: 270682

Ion Ratio Lower Upper

114 100

63 21.6 0.0 38.4

88 13.1 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87

150000

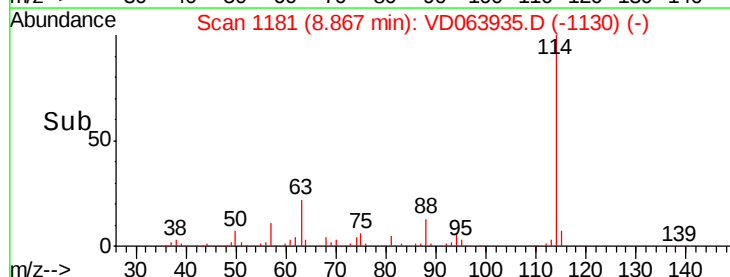
100000

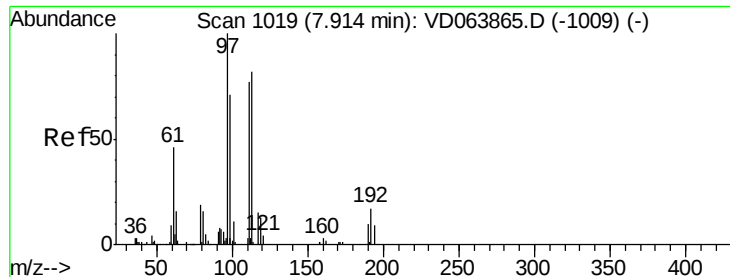
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 53.715 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

TP-11

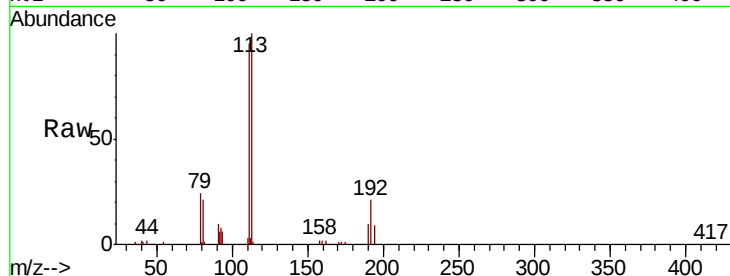
Tot Ion:113 Resp: 88856

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

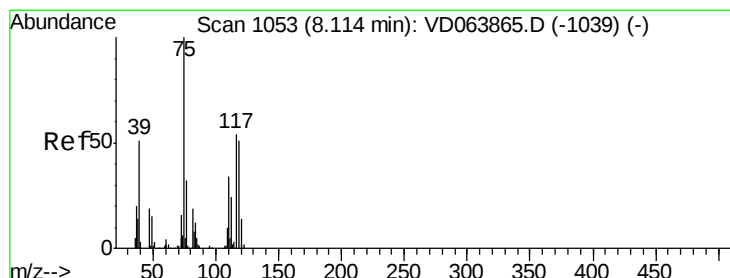
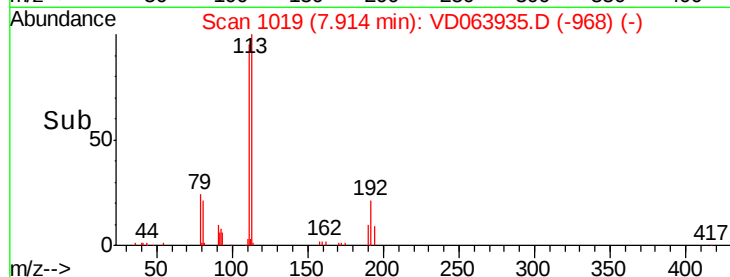
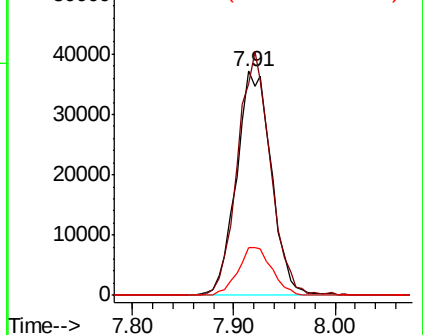
192 20.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

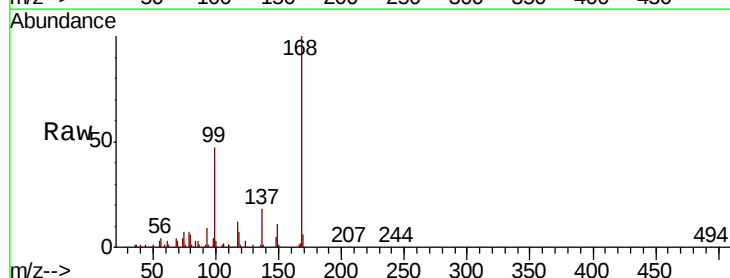
Tgt Ion: 75 Resp: 11474

Ion Ratio Lower Upper

75 100

110 8.2 17.4 52.3#

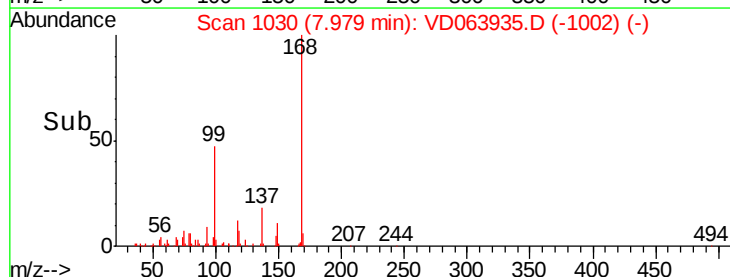
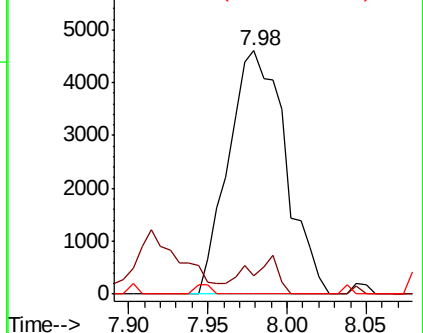
77 0.0 25.4 38.0#

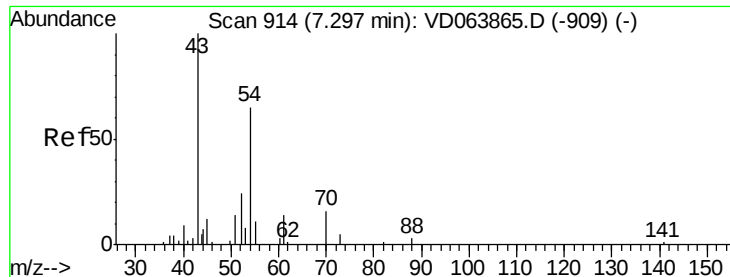


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

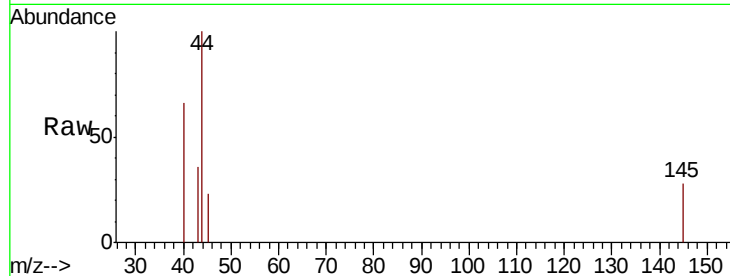




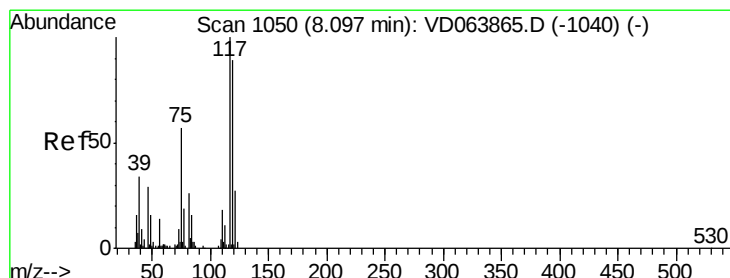
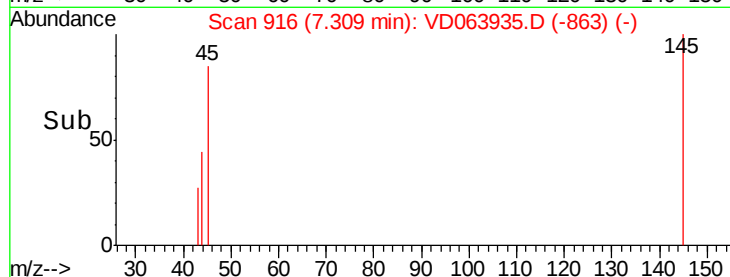
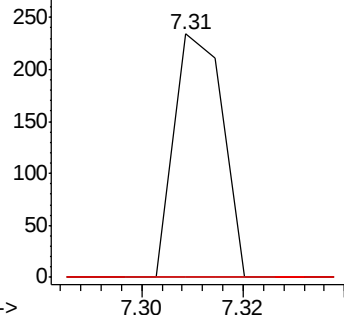
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063935.D
Acq: 11 Oct 2019 14:18

Instrument :
MSVOA_D
ClientSampled :
TP-11

Tot Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

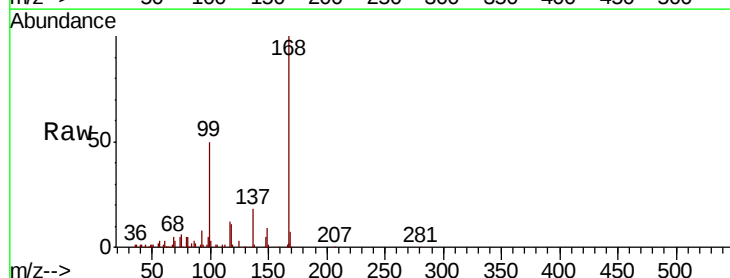


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

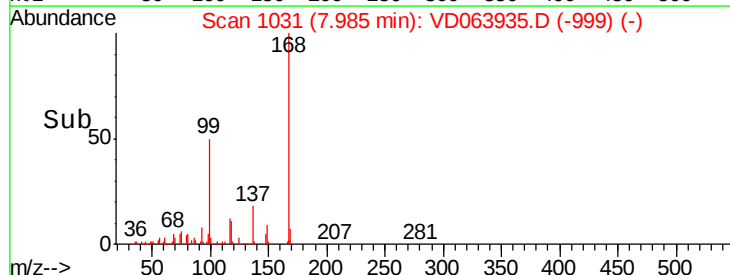
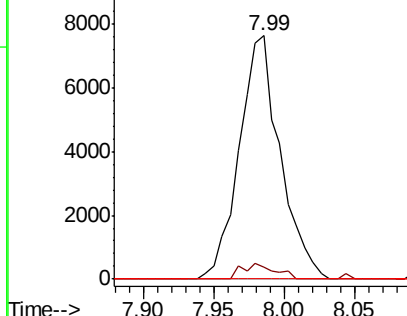


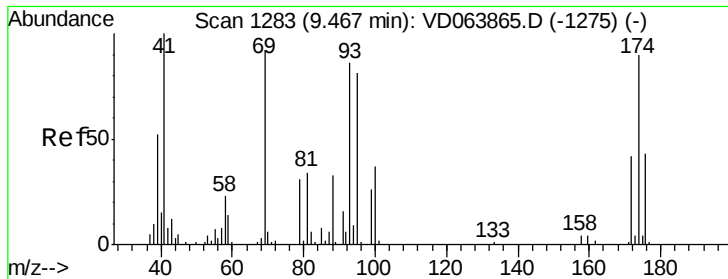
#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063935.D
Acq: 11 Oct 2019 14:18

Tgt Ion: 117 Resp: 15484
Ion Ratio Lower Upper
117 100
119 5.1 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

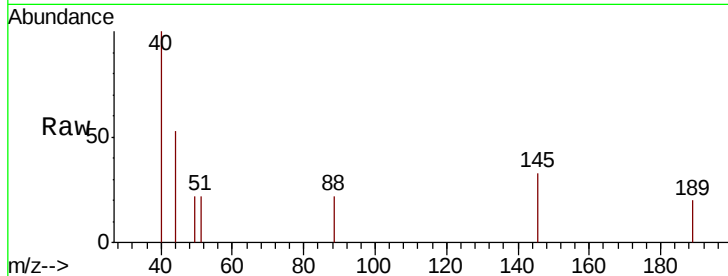




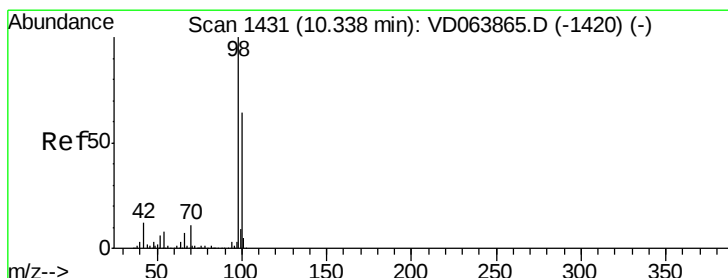
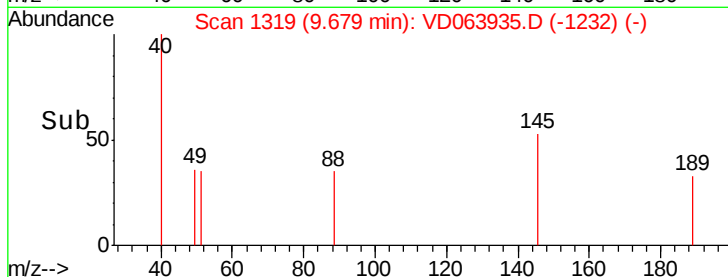
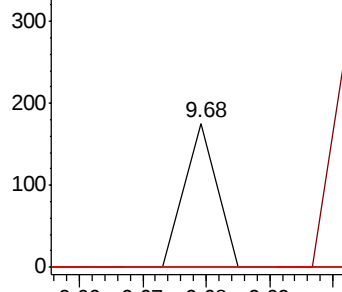
#49
1,4-Dioxane
Concen: 4.594 ug/l
RT: 9.68 min Scan# 1319
Delta R.T. 0.21 min
Lab File: VD063935.D
Acq: 11 Oct 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
TP-11

Tot Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 0.0 54.1 81.1#

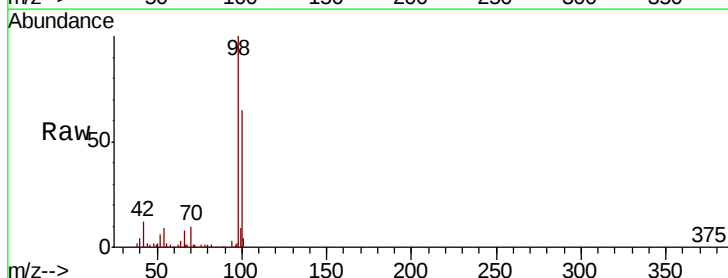


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

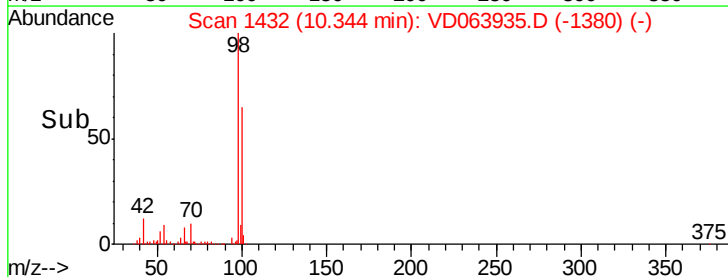
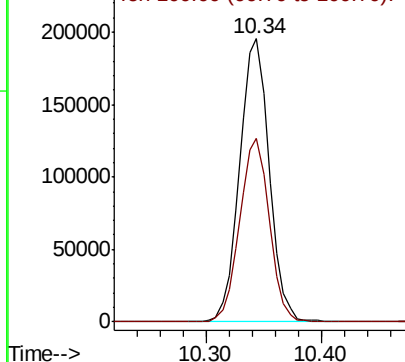


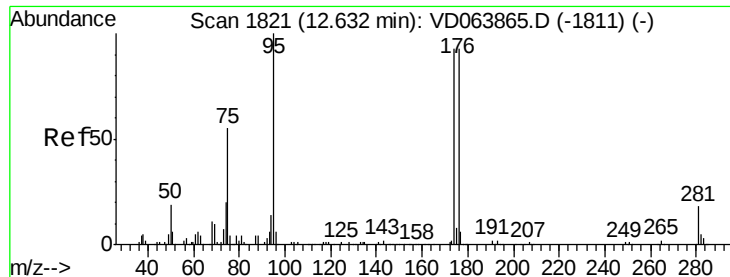
#50
Toluene-d8
Concen: 51.794 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063935.D
Acq: 11 Oct 2019 14:18

Tgt Ion: 98 Resp: 347758
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

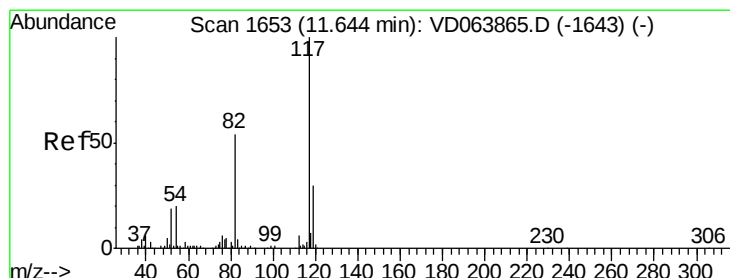
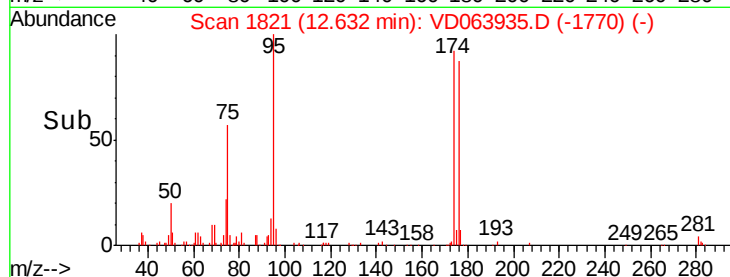
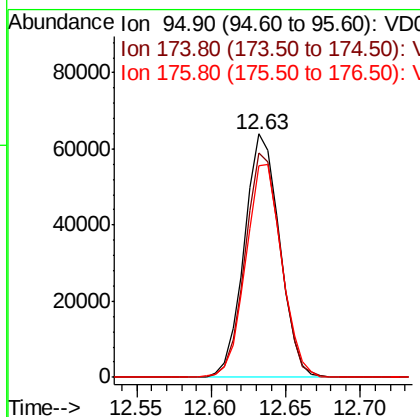
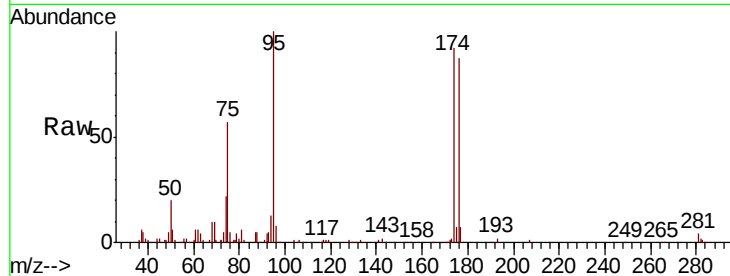




#62
4-Bromofluorobenzene
Concen: 44.799 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063935.D
Acq: 11 Oct 2019 14:18

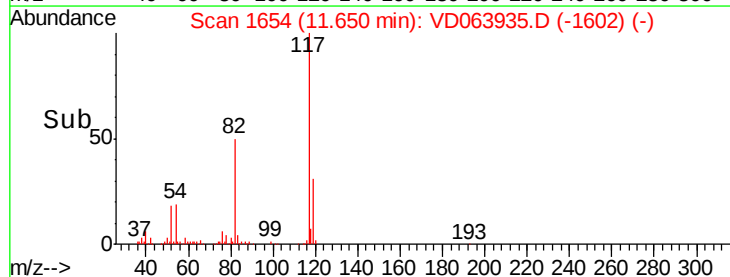
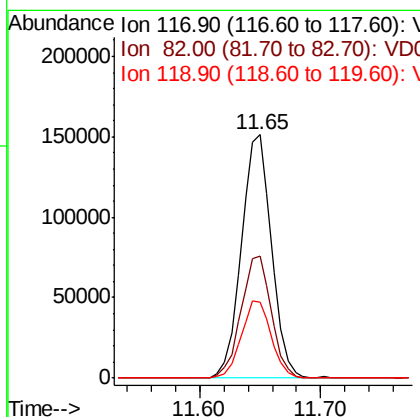
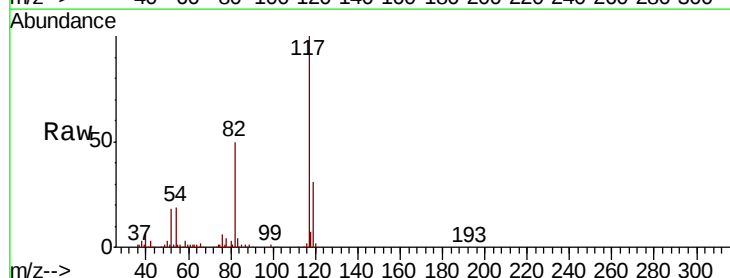
Instrument :
MSVOA_D
ClientSampleId :
TP-11

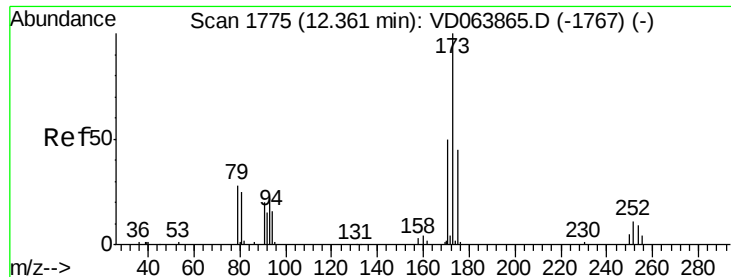
Tot Ion: 95 Resp: 104525
Ion Ratio Lower Upper
95 100
174 92.7 0.0 186.4
176 89.4 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063935.D
Acq: 11 Oct 2019 14:18

Tgt Ion: 117 Resp: 262966
Ion Ratio Lower Upper
117 100
82 50.3 42.8 64.2
119 31.4 24.4 36.6





#71

Bromoform

Concen: 1.420 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

Instrument :

MSVOA_D

ClientSampled :

TP-11

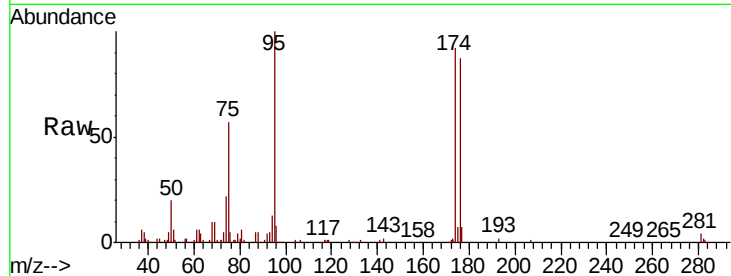
Tot Ion:173 Resp: 1483

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

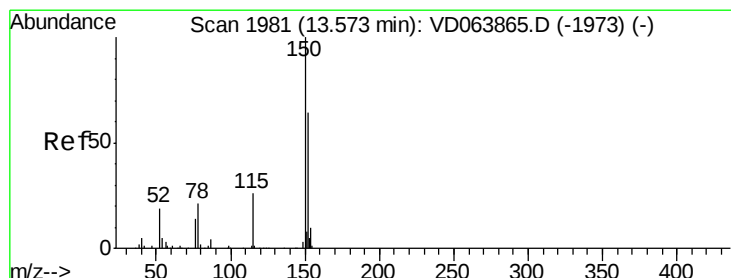
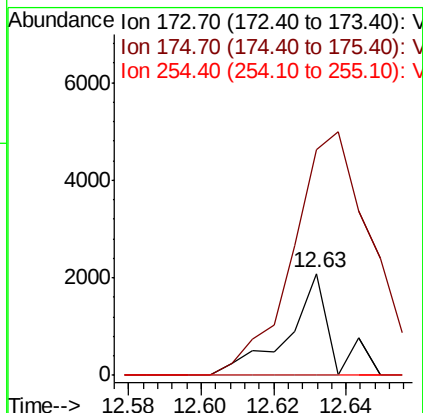
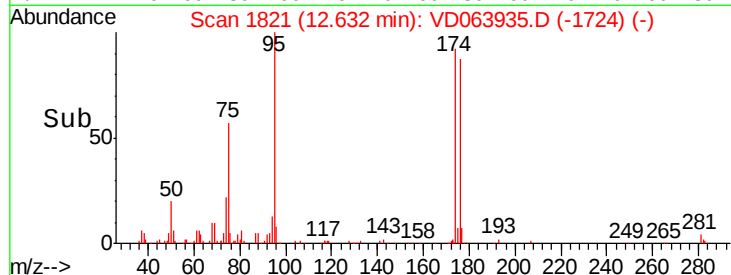
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

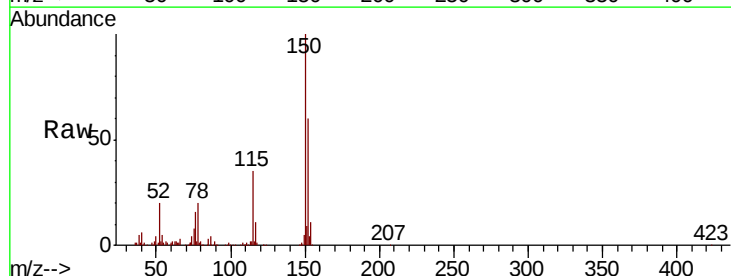
Tgt Ion:152 Resp: 120496

Ion Ratio Lower Upper

152 100

115 54.4 25.9 77.7

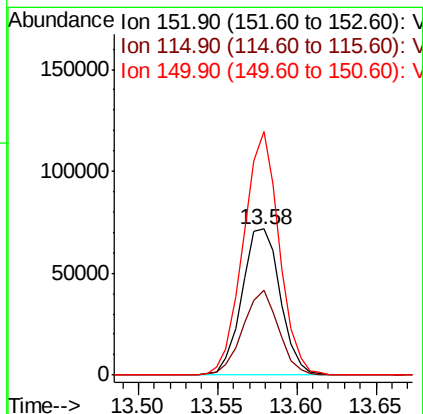
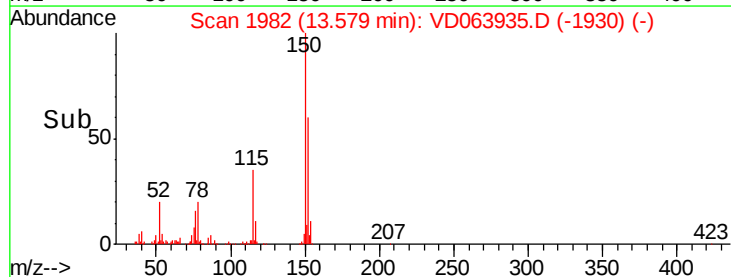
150 156.4 0.0 344.2

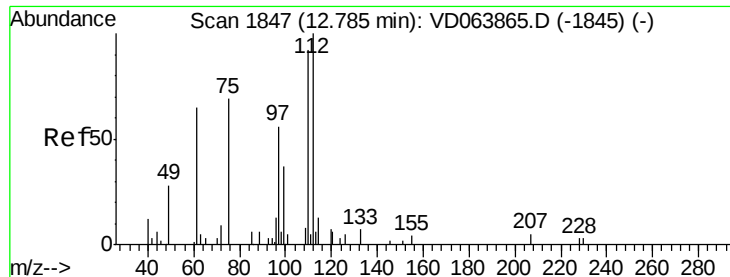


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 71.045 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

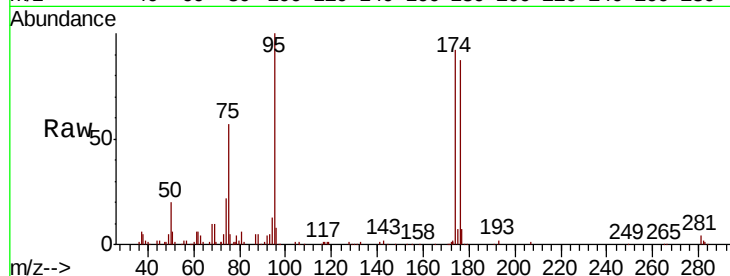
TP-11

Tot Ion: 75 Resp: 57337

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

40000

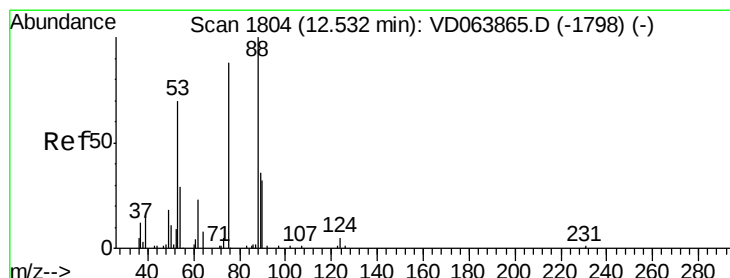
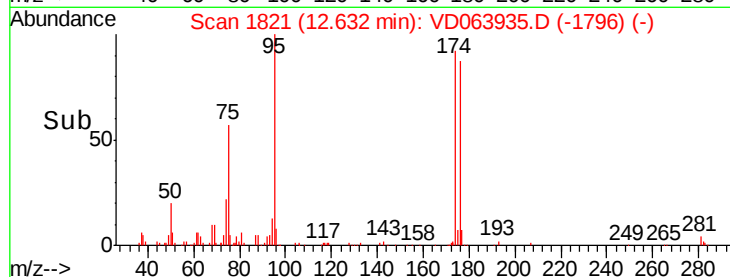
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 125.722 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

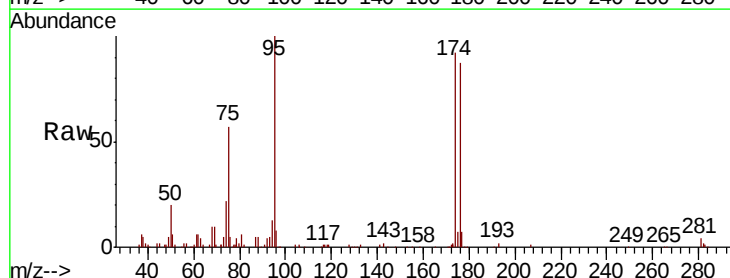
Tgt Ion: 75 Resp: 57337

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.3 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

50000

40000

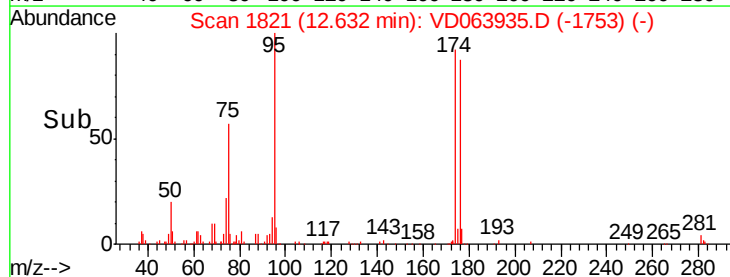
30000

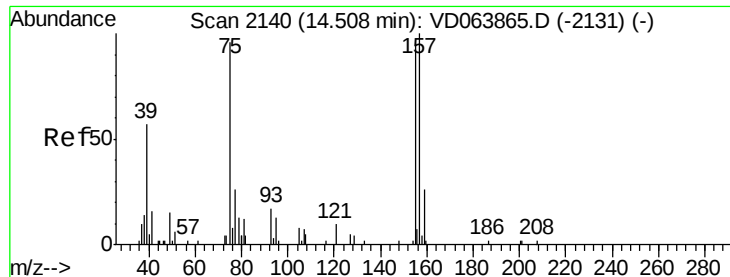
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.47 min Scan# 2134

Delta R.T. -0.04 min

Lab File: VD063935.D

Acq: 11 Oct 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

TP-11

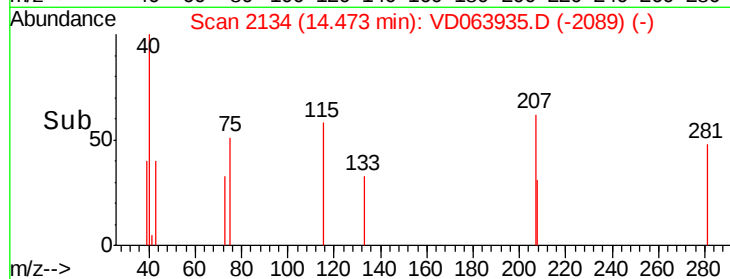
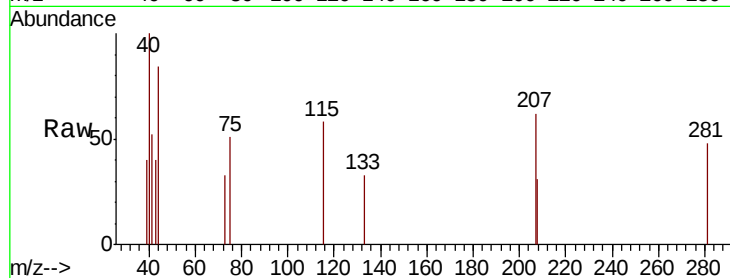
Tot Ion: 75 Resp: 142

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.47

250

200

150

100

50

0

14.46

14.48

14.50

Time-->