

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063916.D
 Acq On : 10 Oct 2019 18:03
 Operator : VA/SY
 Sample : K5297-06
 Misc : 2.77G/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:40:54 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	7.98	168	165124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	268607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116991	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	91337	56.82	ug/l	0.00
Spiked Amount			Recovery	=	113.64%	
35) Dibromofluoromethane	7.91	113	92092	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	10.34	98	375398	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.64	95	106701	42.01	ug/l	0.00
Spiked Amount			Recovery	=	84.02%	

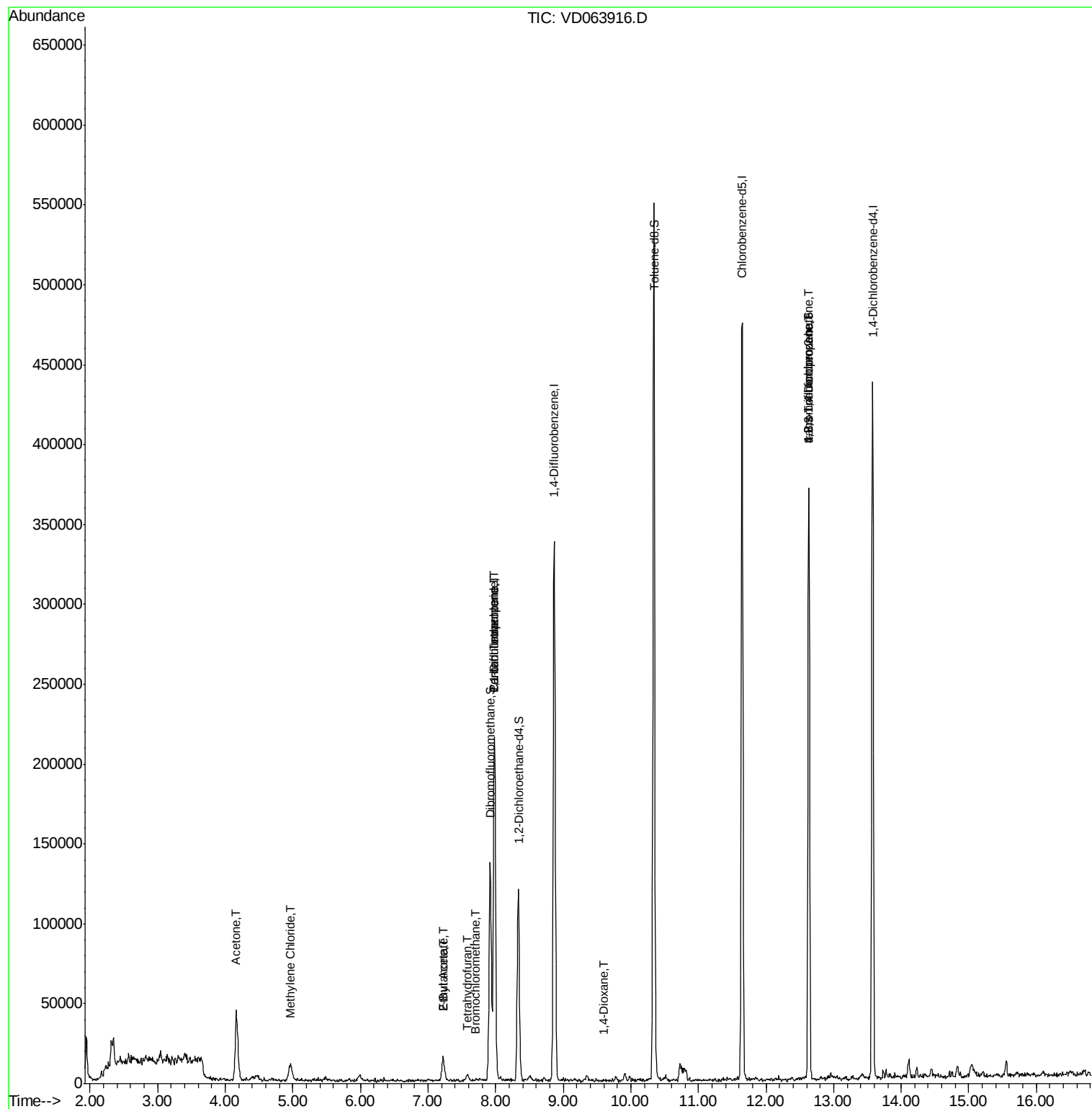
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	367	Below Cal	#	40
11) Tert butyl alcohol	5.25	59	211	Below Cal	#	71
16) Acetone	4.16	43	72985	174.377	ug/l	100
20) Methylene Chloride	4.97	84	7763	1.245	ug/l #	79
25) 2-Butanone	7.23	43	20205	40.734	ug/l	95
28) Bromochloromethane	7.71	49	315	2.140	ug/l #	10
29) Tetrahydrofuran	7.59	42	2669	9.219	ug/l #	67
31) Cyclohexane	7.98	56	4403	Below Cal	#	63
36) 1,1-Dichloropropene	7.98	75	12605	4.679	ug/l #	52
37) Ethyl Acetate	7.23	43	20205	15.992	ug/l #	70
38) Carbon Tetrachloride	7.98	117	16384	6.018	ug/l #	19
49) 1,4-Dioxane	9.60	88	55	3.744	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	59110	75.437	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	59110	133.492	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.46	75	77	Below Cal		89

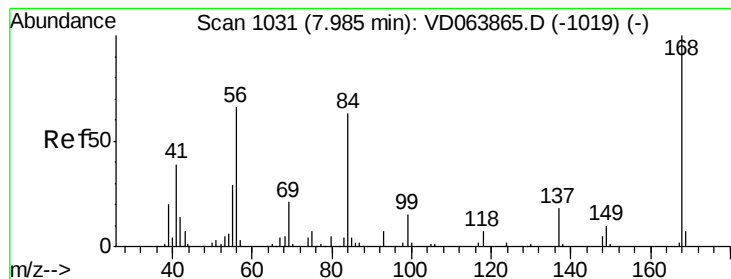
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

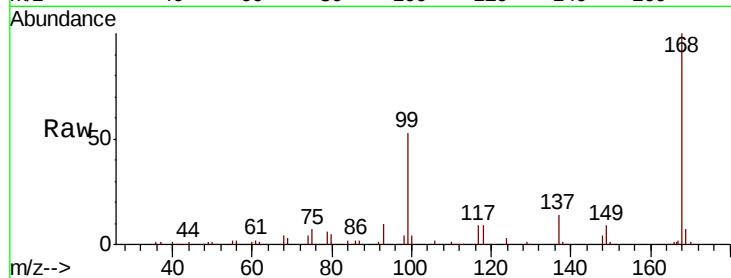
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 165124

Ion Ratio Lower Upper

168 100

99 52.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

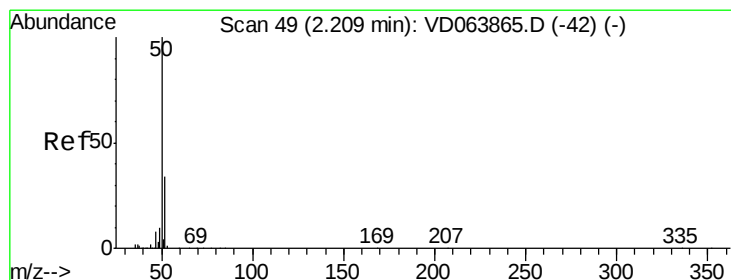
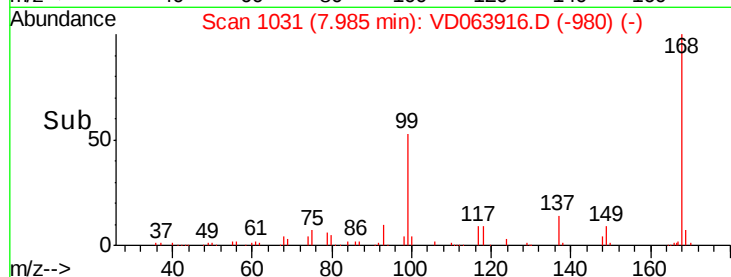
40000

20000

0

Time-->

7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD063916.D

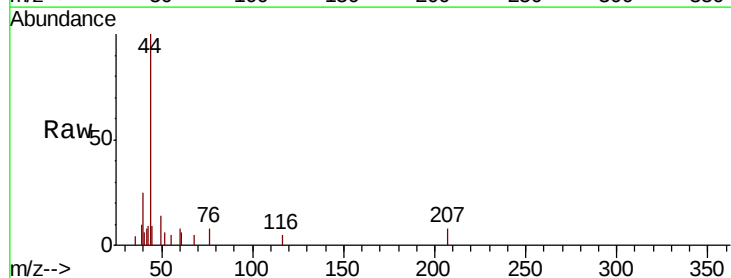
Acq: 10 Oct 2019 18:03

Tgt Ion: 50 Resp: 367

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

2.20

500

400

300

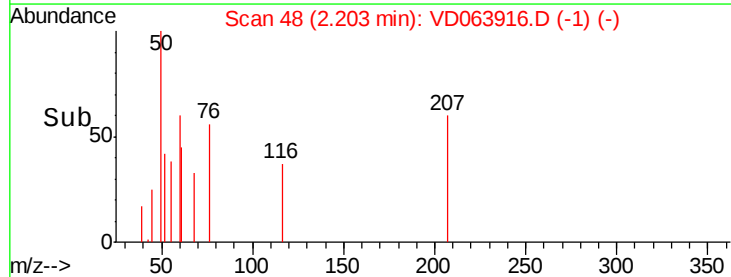
200

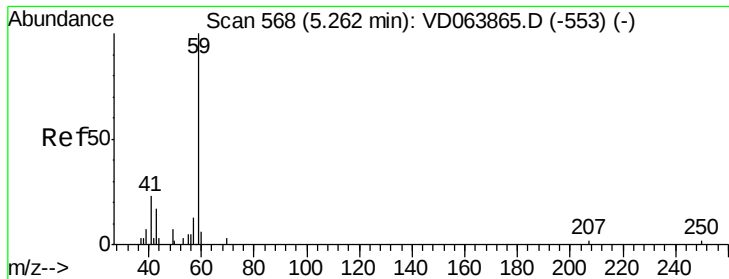
100

0

Time-->

2.16 2.18 2.20 2.22

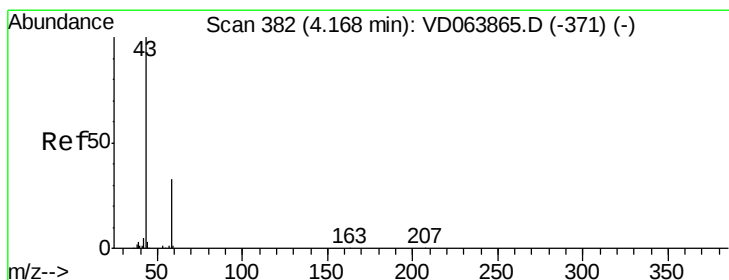
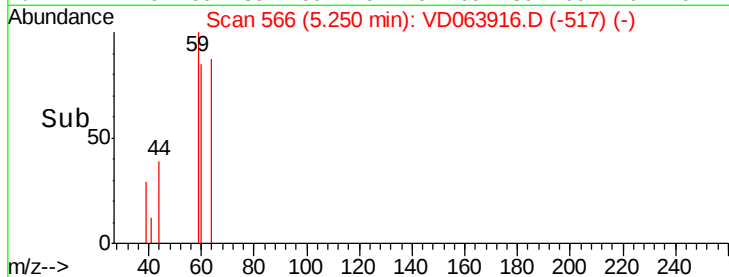
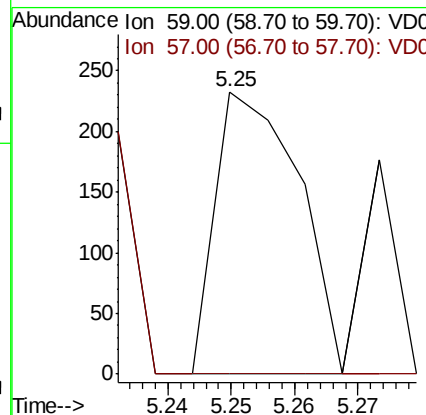
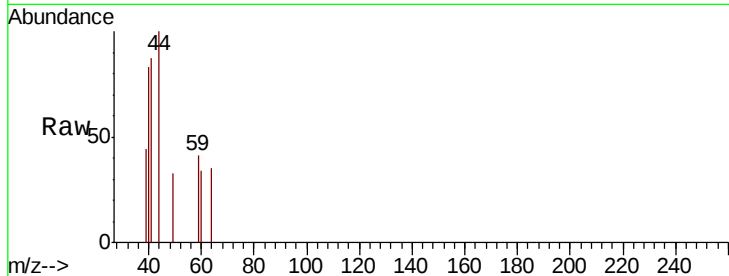




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

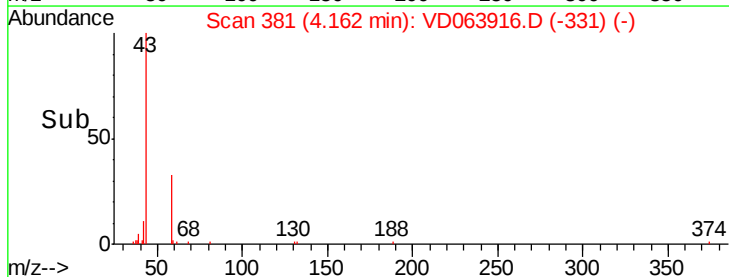
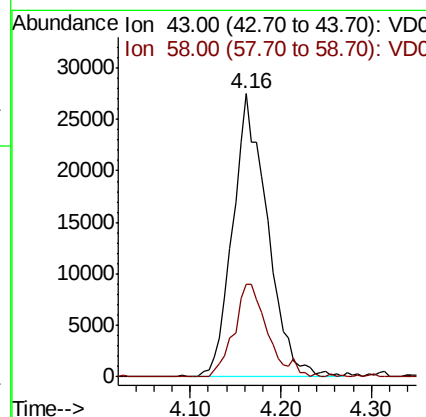
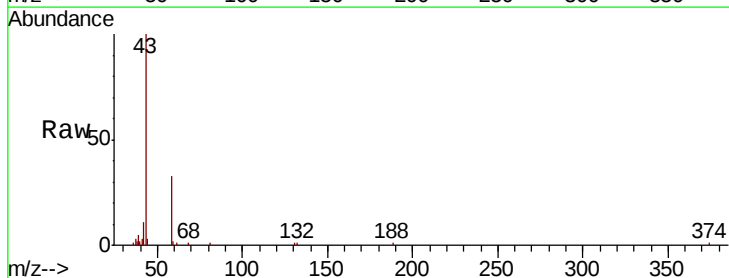
Instrument :
MSVOA_D
ClientSampleId :

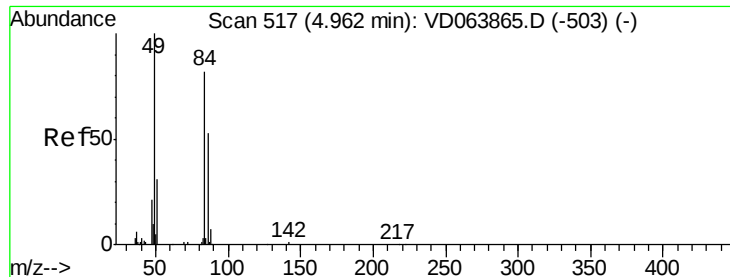
Tot Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 174.377 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 43 Resp: 72985
Ion Ratio Lower Upper
43 100
58 32.8 26.2 39.4

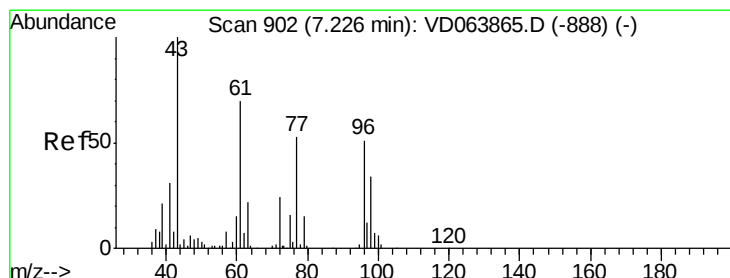
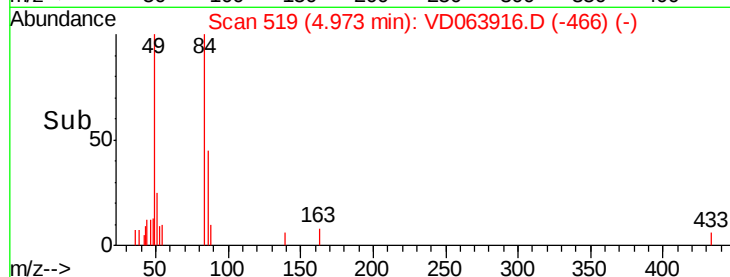
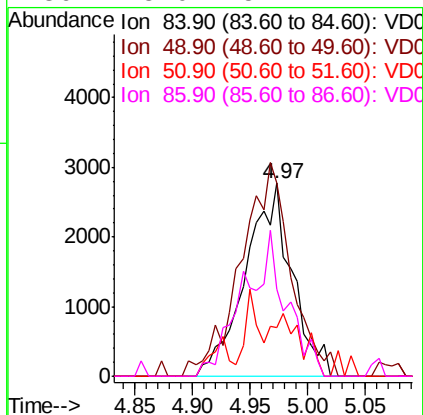
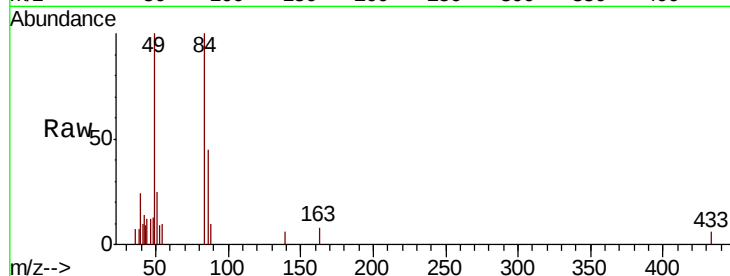




#20
Methvlene Chloride
Concen: 1.245 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

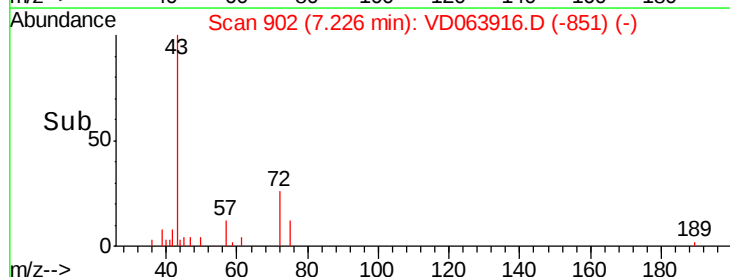
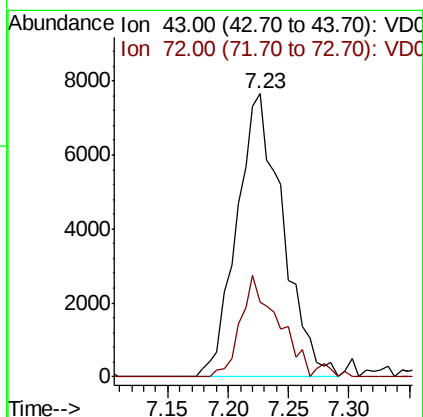
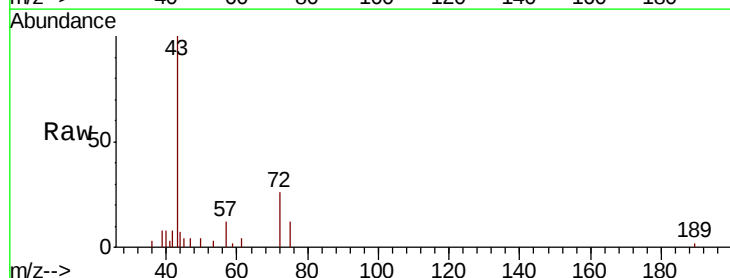
Instrument :
MSVOA_D
ClientSampleId :

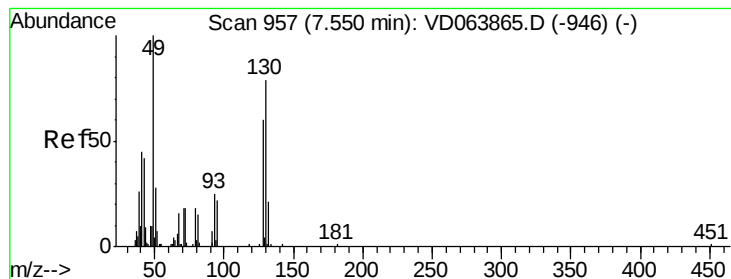
Tot Ion: 84 Resp: 7763
Ion Ratio Lower Upper
84 100
49 99.8 97.3 145.9
51 25.0 30.1 45.1#
86 45.0 51.4 77.2#



#25
2-Butanone
Concen: 40.734 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 43 Resp: 20205
Ion Ratio Lower Upper
43 100
72 26.3 19.2 28.8





#28

Bromochloromethane

Concen: 2.140 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.16 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

Instrument :
MSVOA_D
ClientSampleId :

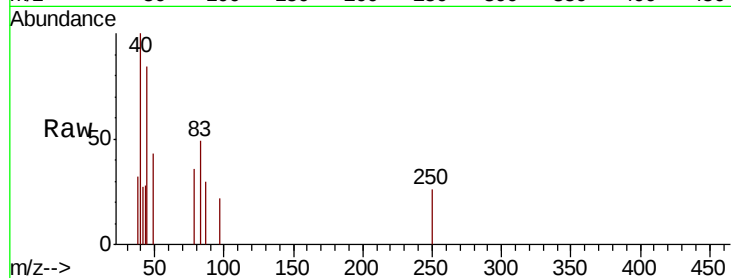
Tot Ion: 49 Resp: 315

Ion Ratio Lower Upper

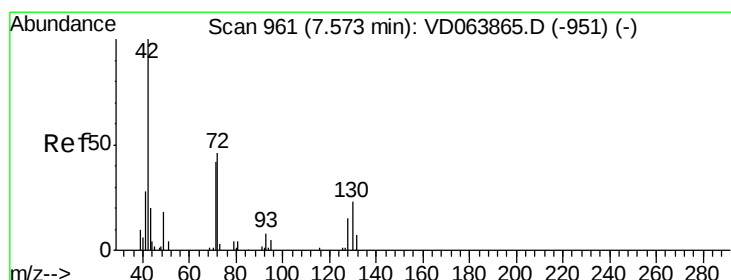
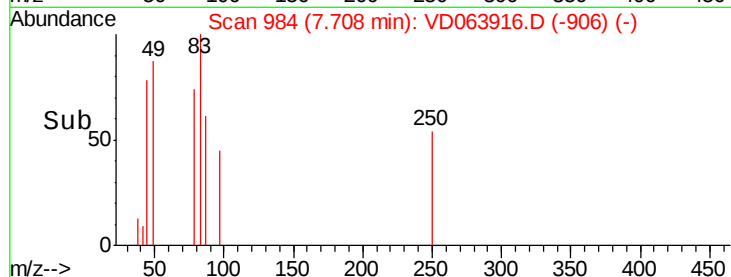
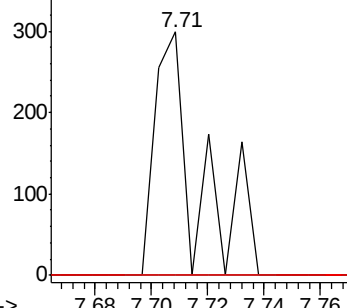
49 100

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



#29

Tetrahydrofuran

Concen: 9.219 ug/l

RT: 7.59 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

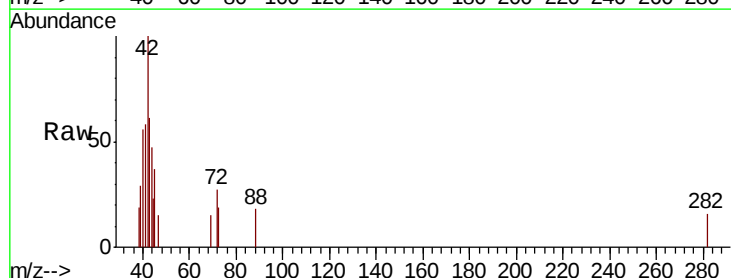
Tgt Ion: 42 Resp: 2669

Ion Ratio Lower Upper

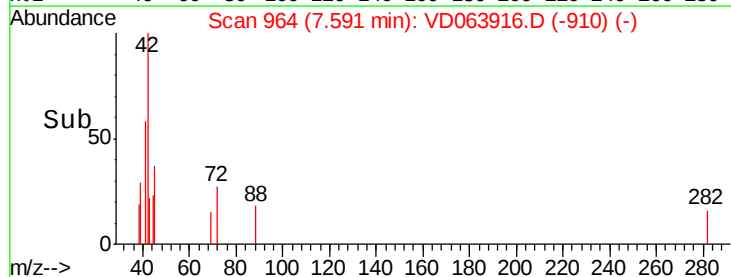
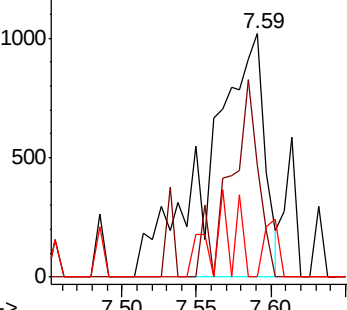
42 100

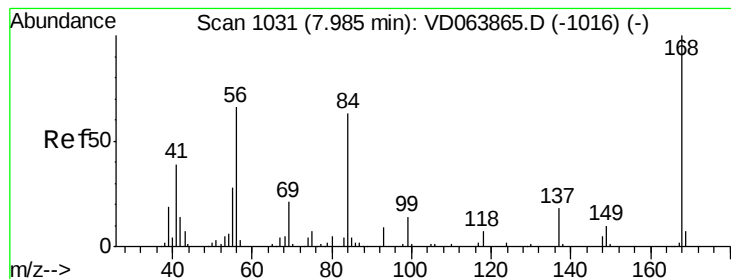
72 40.7 37.6 56.4

71 6.0 35.0 52.6#



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





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

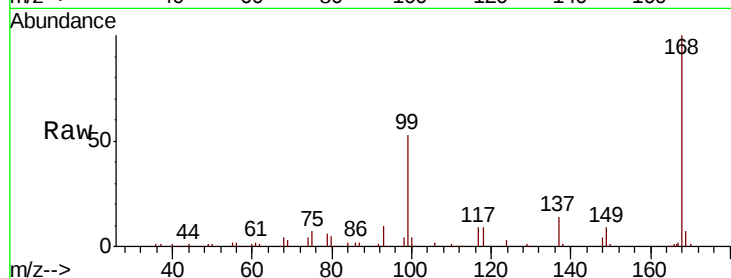
Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

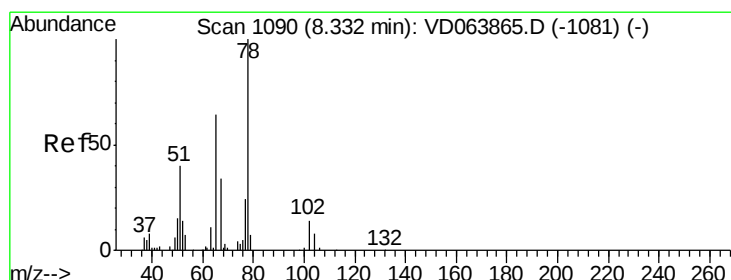
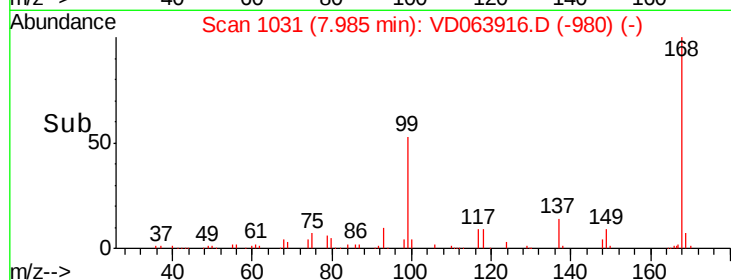
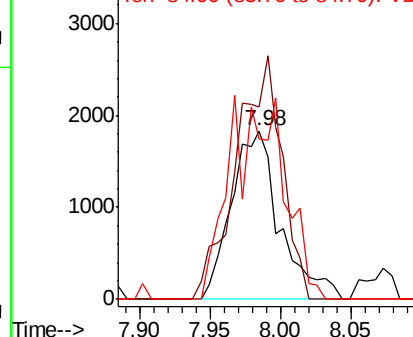
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4403

Ion	Ratio	Lower	Upper
56	100		
69	114.5	25.0	37.4#
84	95.5	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



#33

1,2-Dichloroethane-d4

Concen: 56.815 ug/l

RT: 8.33 min Scan# 1090

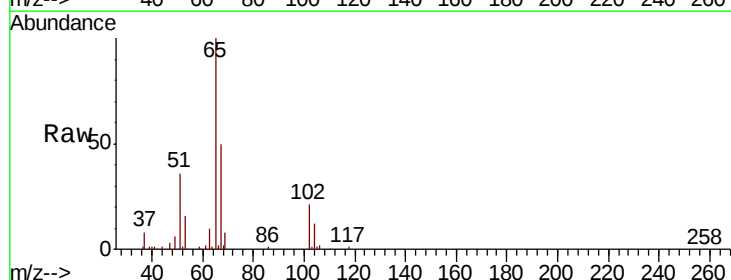
Delta R.T. -0.00 min

Lab File: VD063916.D

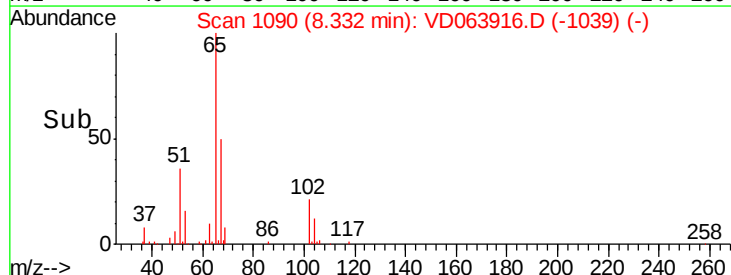
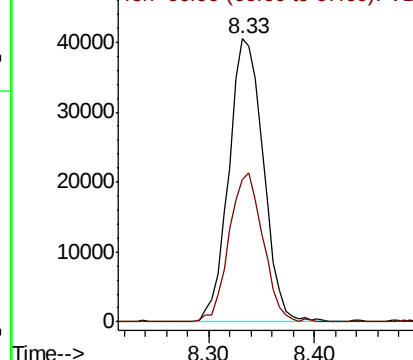
Acq: 10 Oct 2019 18:03

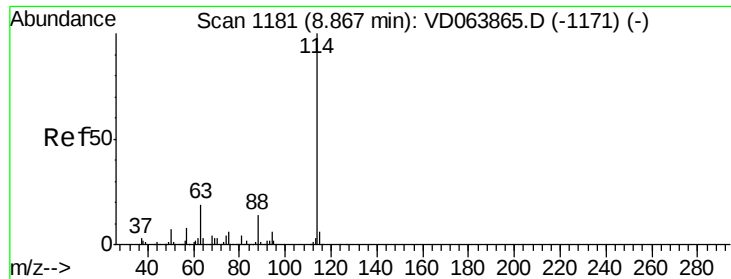
Tgt Ion: 65 Resp: 91337

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

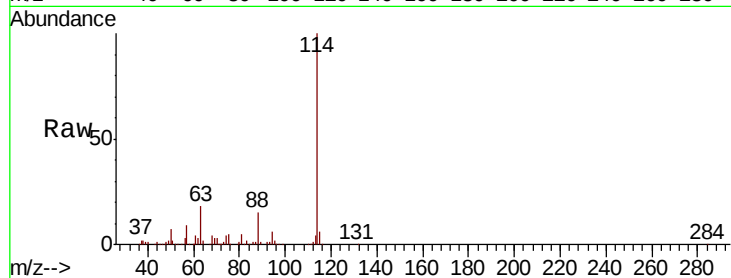




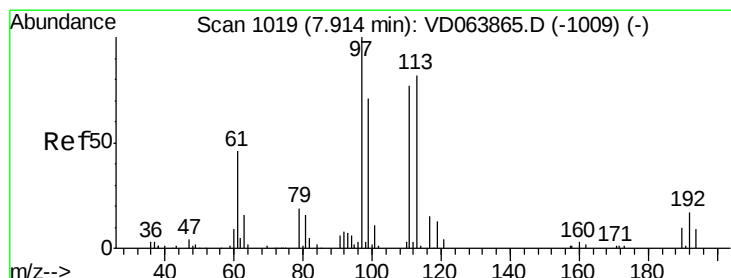
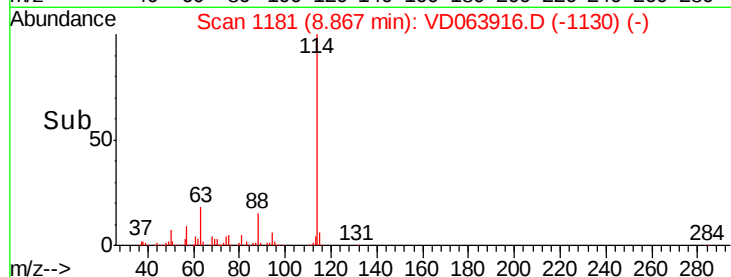
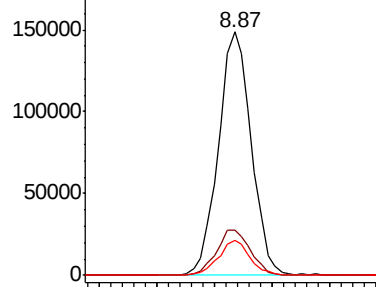
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063916.D
 Acq: 10 Oct 2019 18:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	14.6	0.0	27.4

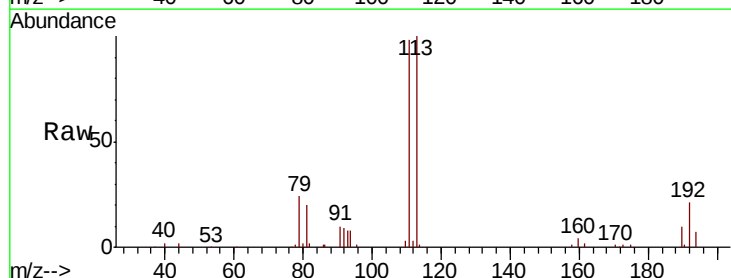


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

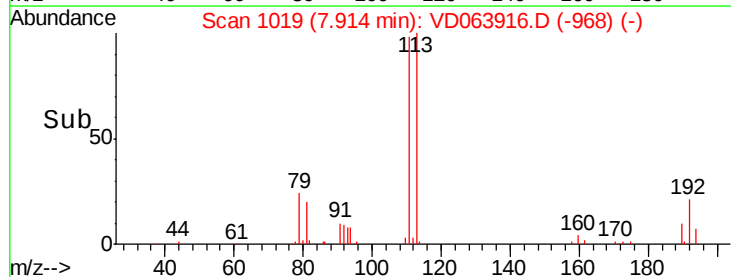
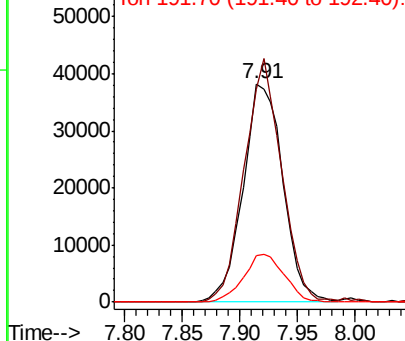


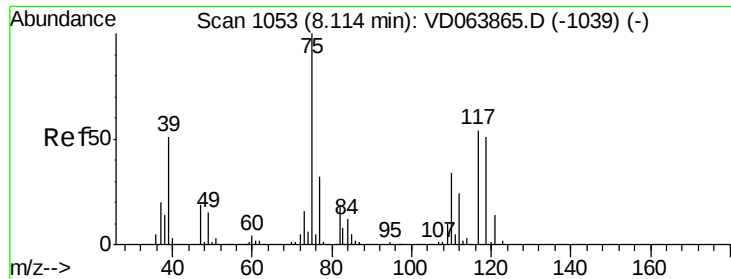
#35
 Dibromofluoromethane
 Concen: 51.145 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063916.D
 Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	22.3	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

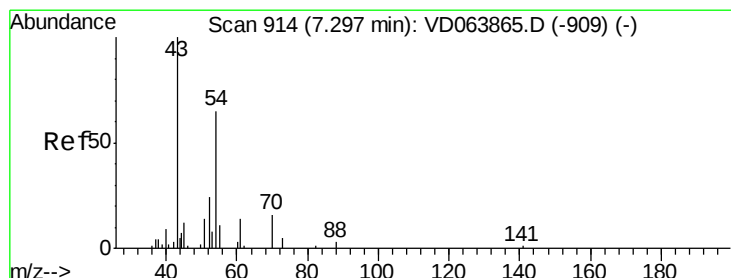
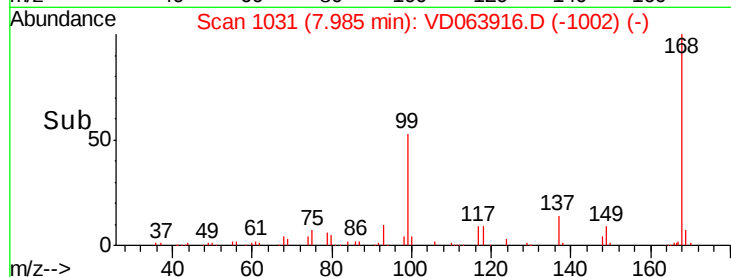
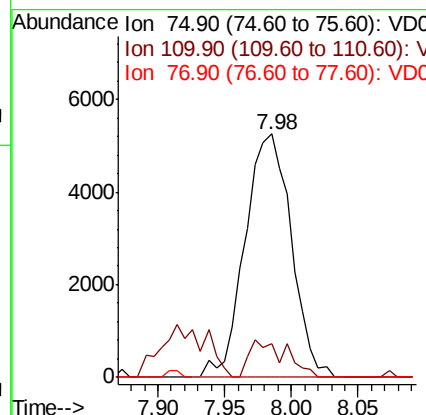
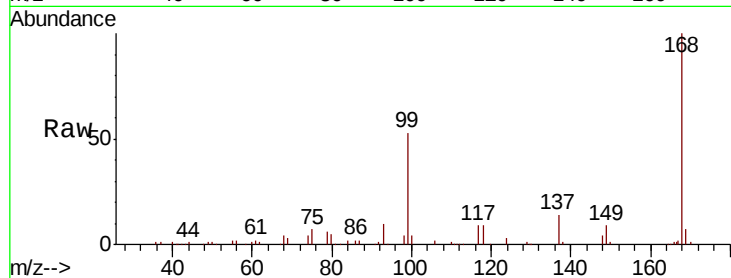




#36
 1,1-Dichloropropene
 Concen: 4.679 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063916.D
 Acq: 10 Oct 2019 18:03

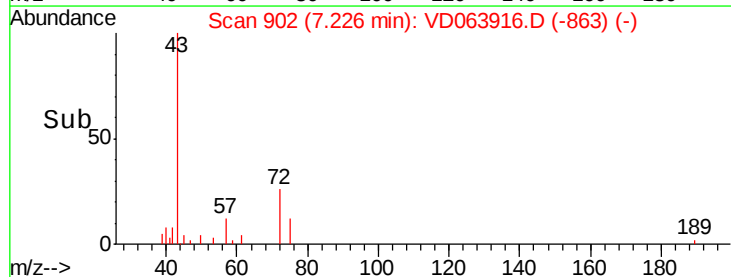
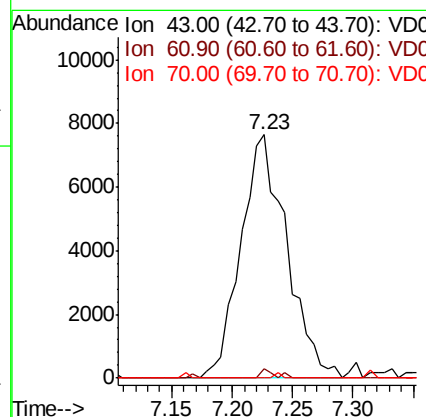
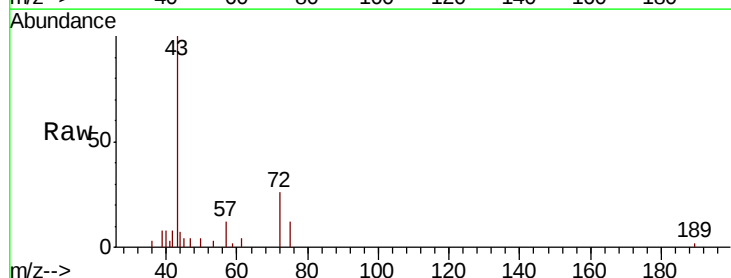
Instrument :
 MSVOA_D
 ClientSampleId :

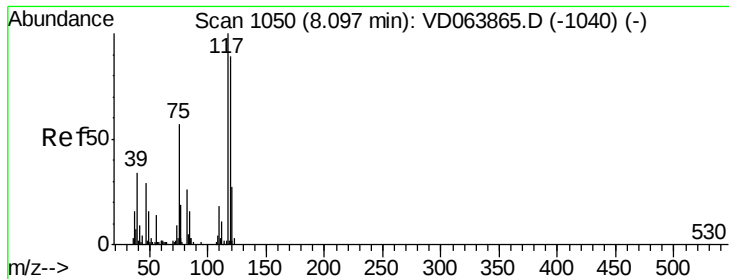
Tot Ion: 75 Resp: 12605
 Ion Ratio Lower Upper
 75 100
 110 12.2 17.4 52.3#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 15.992 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.07 min
 Lab File: VD063916.D
 Acq: 10 Oct 2019 18:03

Tgt Ion: 43 Resp: 20205
 Ion Ratio Lower Upper
 43 100
 61 1.1 11.5 17.3#
 70 0.3 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.018 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_D

ClientSampled :

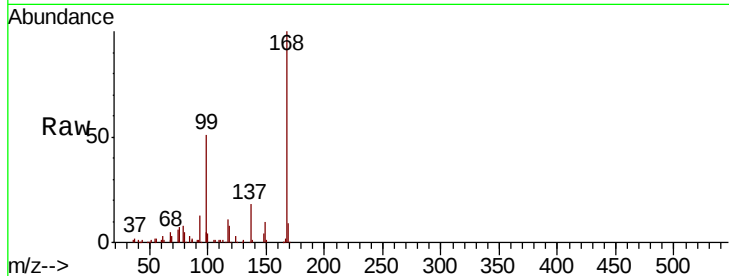
Tot Ion:117 Resp: 16384

Ion Ratio Lower Upper

117 100

119 4.3 70.8 106.2#

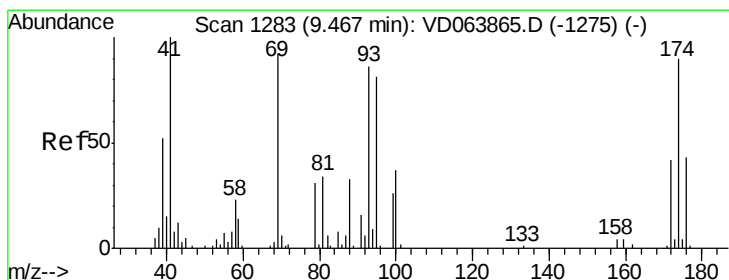
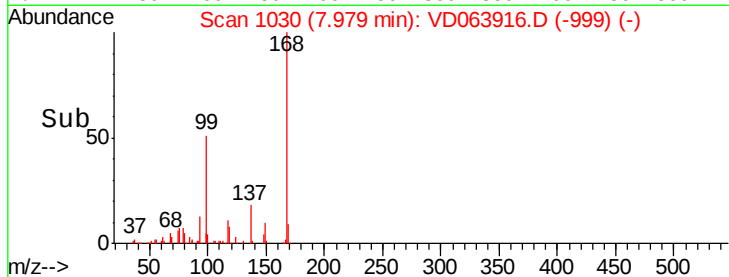
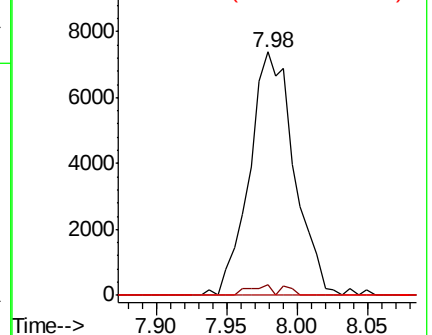
121 0.0 21.4 32.0#



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: 3.744 ug/l

RT: 9.60 min Scan# 1305

Delta R.T. 0.13 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

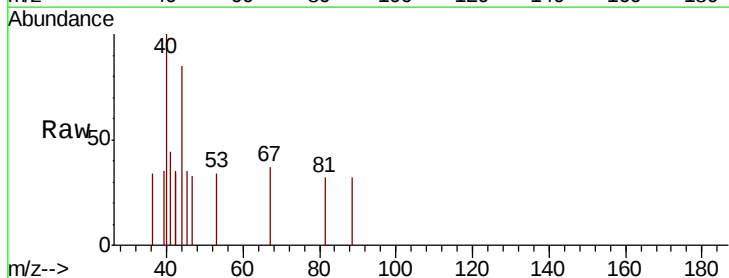
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 141.8 27.6 41.4#

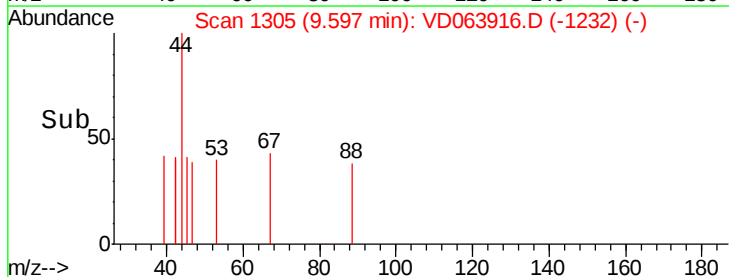
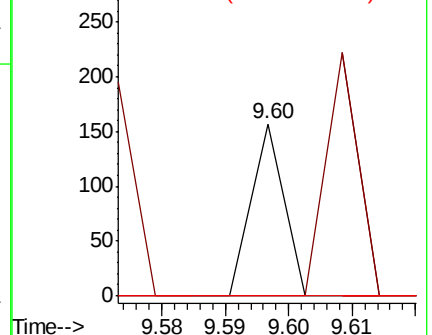
58 0.0 54.1 81.1#

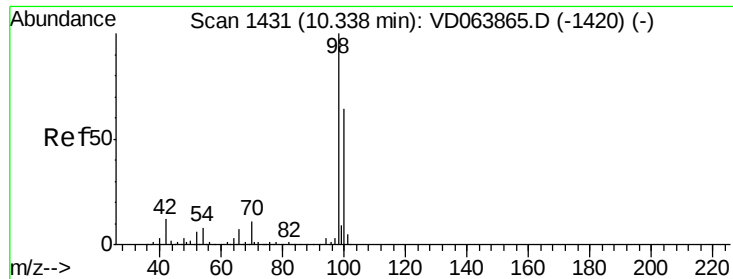


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

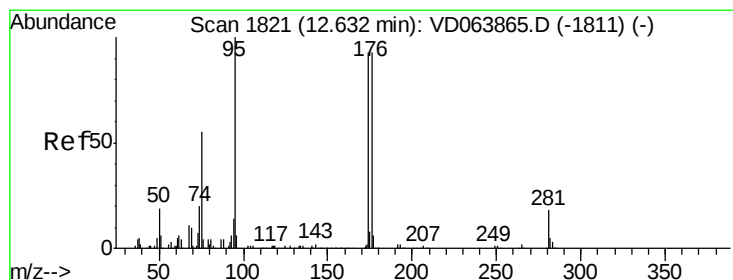
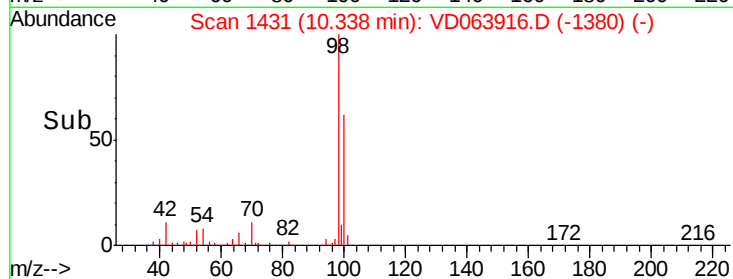
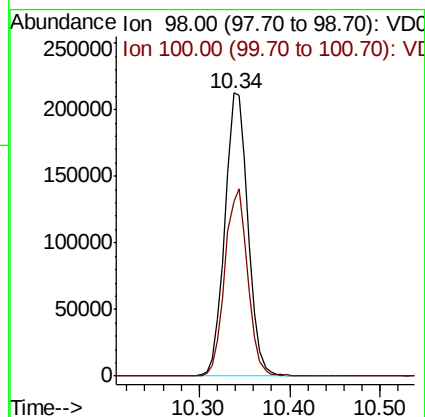
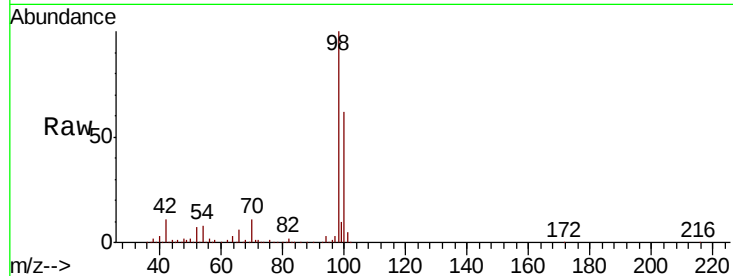




#50
Toluene-d8
Concen: 51.365 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

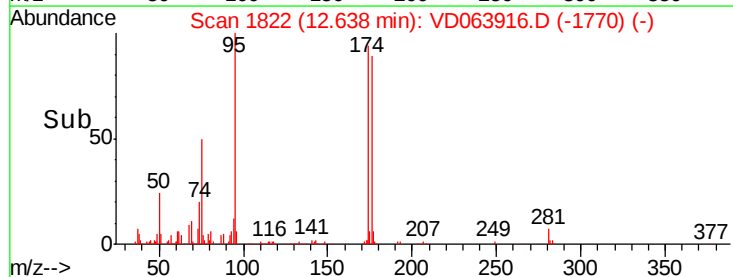
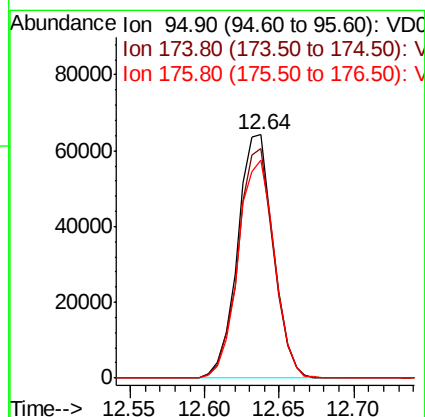
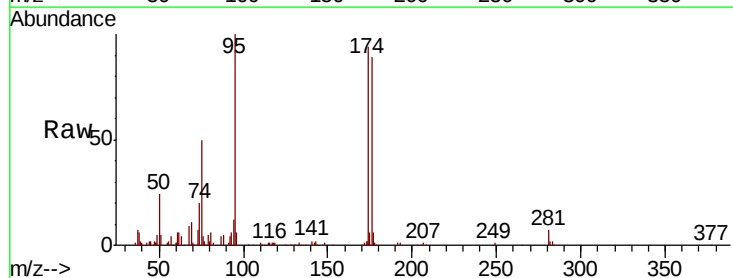
Instrument :
MSVOA_D
ClientSampleId :

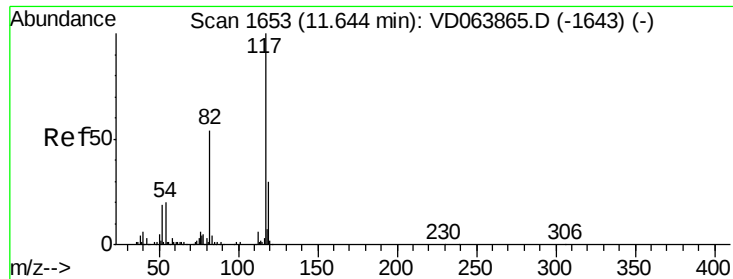
Tot Ion: 98 Resp: 375398
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.014 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 95 Resp: 106701
Ion Ratio Lower Upper
95 100
174 93.8 0.0 186.4
176 91.0 0.0 184.2

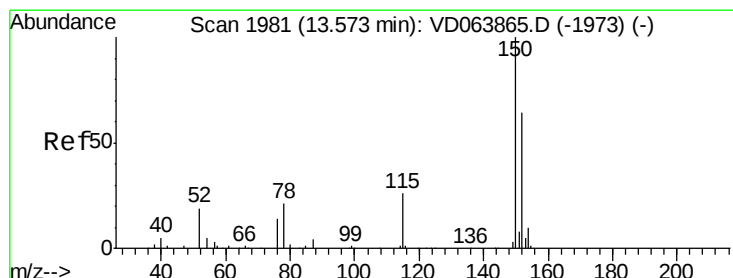
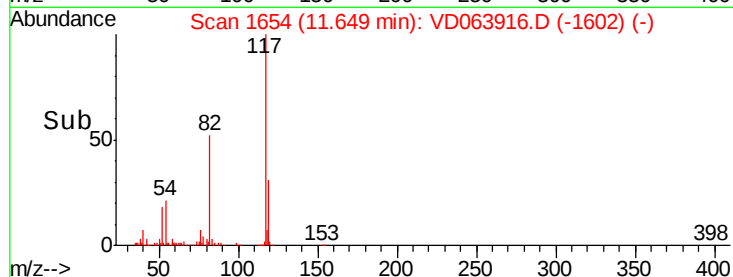
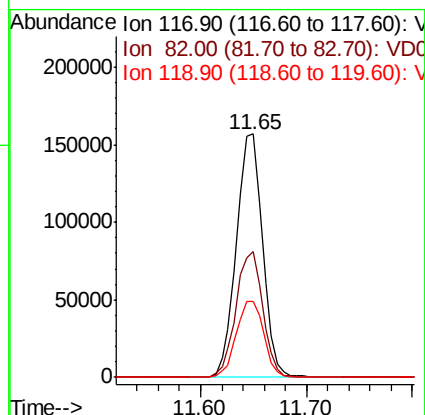
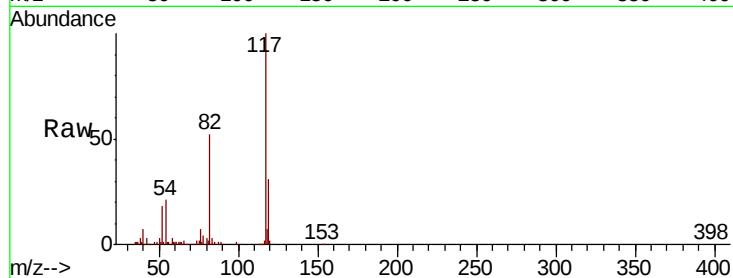




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

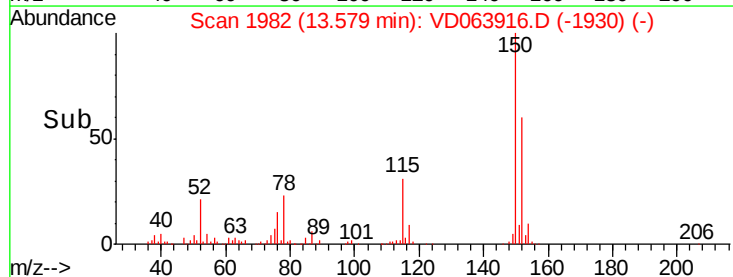
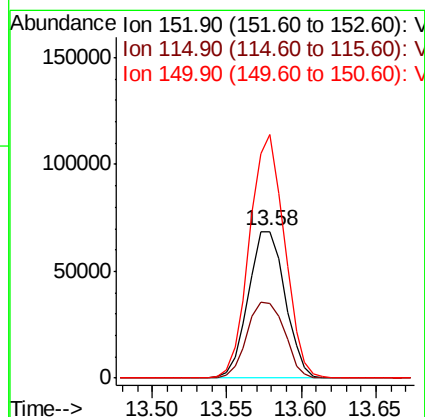
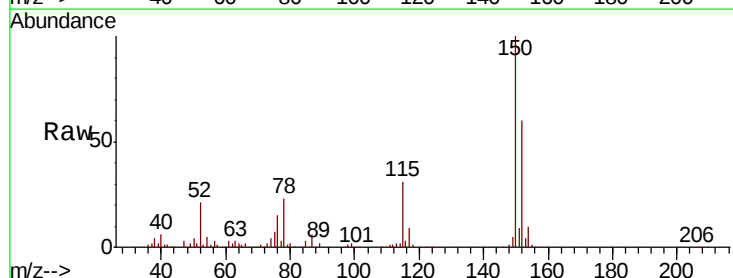
Instrument :
MSVOA_D
ClientSampleId :

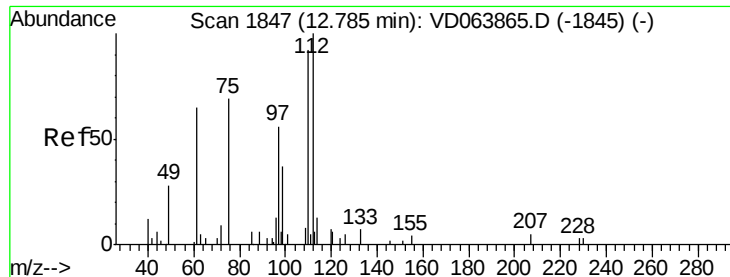
Tot Ion:117 Resp: 268607
Ion Ratio Lower Upper
117 100
82 51.7 42.8 64.2
119 31.2 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063916.D
Acq: 10 Oct 2019 18:03

Tgt Ion:152 Resp: 116991
Ion Ratio Lower Upper
152 100
115 53.1 25.9 77.7
150 157.6 0.0 344.2





#76

1,2,3-Trichloropropane

Concen: 75.437 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_D

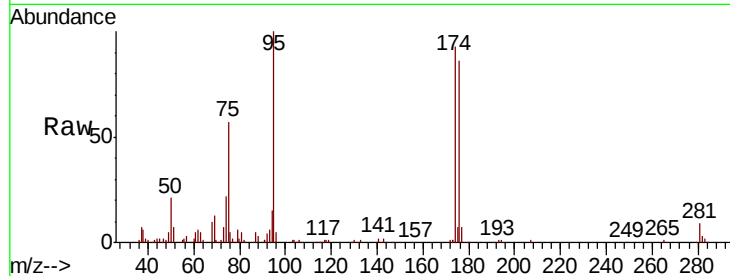
ClientSampled :

Tot Ion: 75 Resp: 59110

Ion Ratio Lower Upper

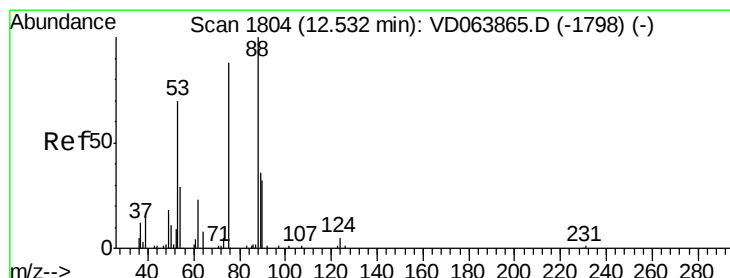
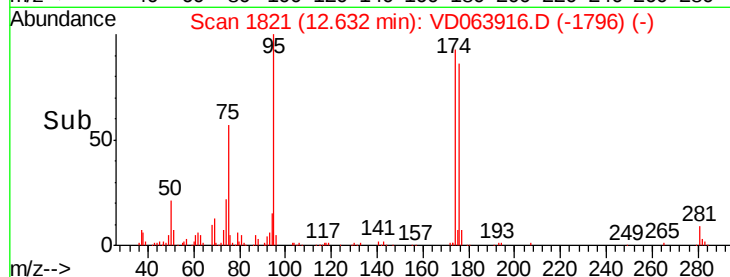
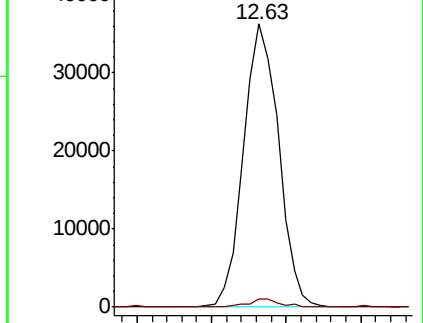
75 100

77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 133.492 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

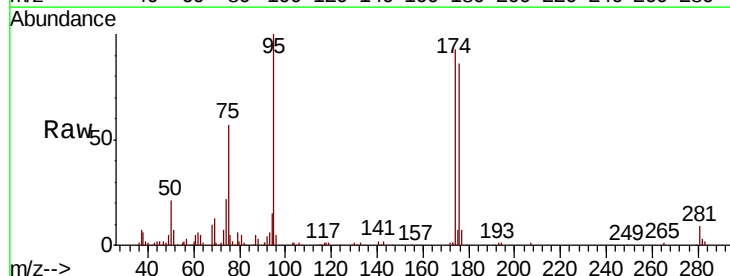
Tgt Ion: 75 Resp: 59110

Ion Ratio Lower Upper

75 100

53 0.2 75.0 112.6#

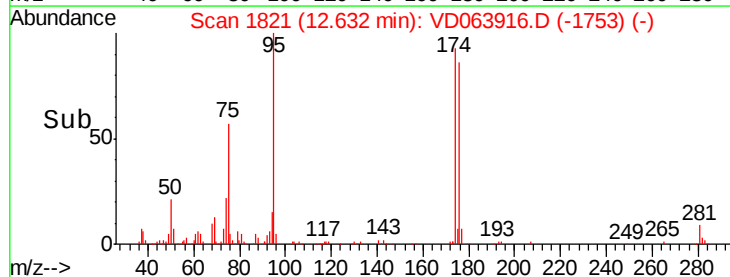
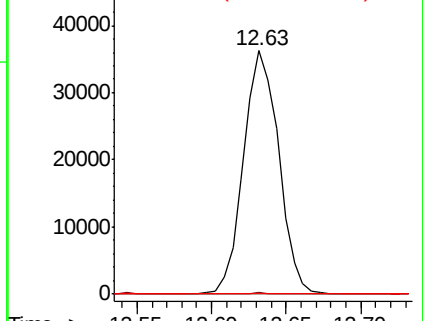
89 0.0 38.2 57.4#

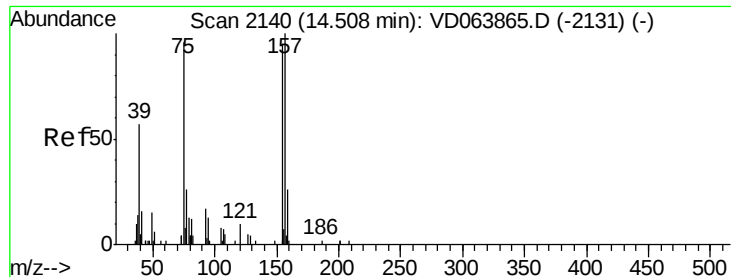


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.46 min Scan# 2132

Delta R.T. -0.05 min

Lab File: VD063916.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 77

Ion Ratio Lower Upper

75 100

155 84.4 43.9 131.6

157 94.8 56.0 167.9

