

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100319\
 Data File : VD063877.D
 Acq On : 03 Oct 2019 15:59
 Operator : VA/SY
 Sample : VD1003SBL06
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL06

Quant Time: Oct 04 01:36:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	306594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	291226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	145123	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	85495	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.92	113	91432	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	360806	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.63	95	112433	42.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.08%	

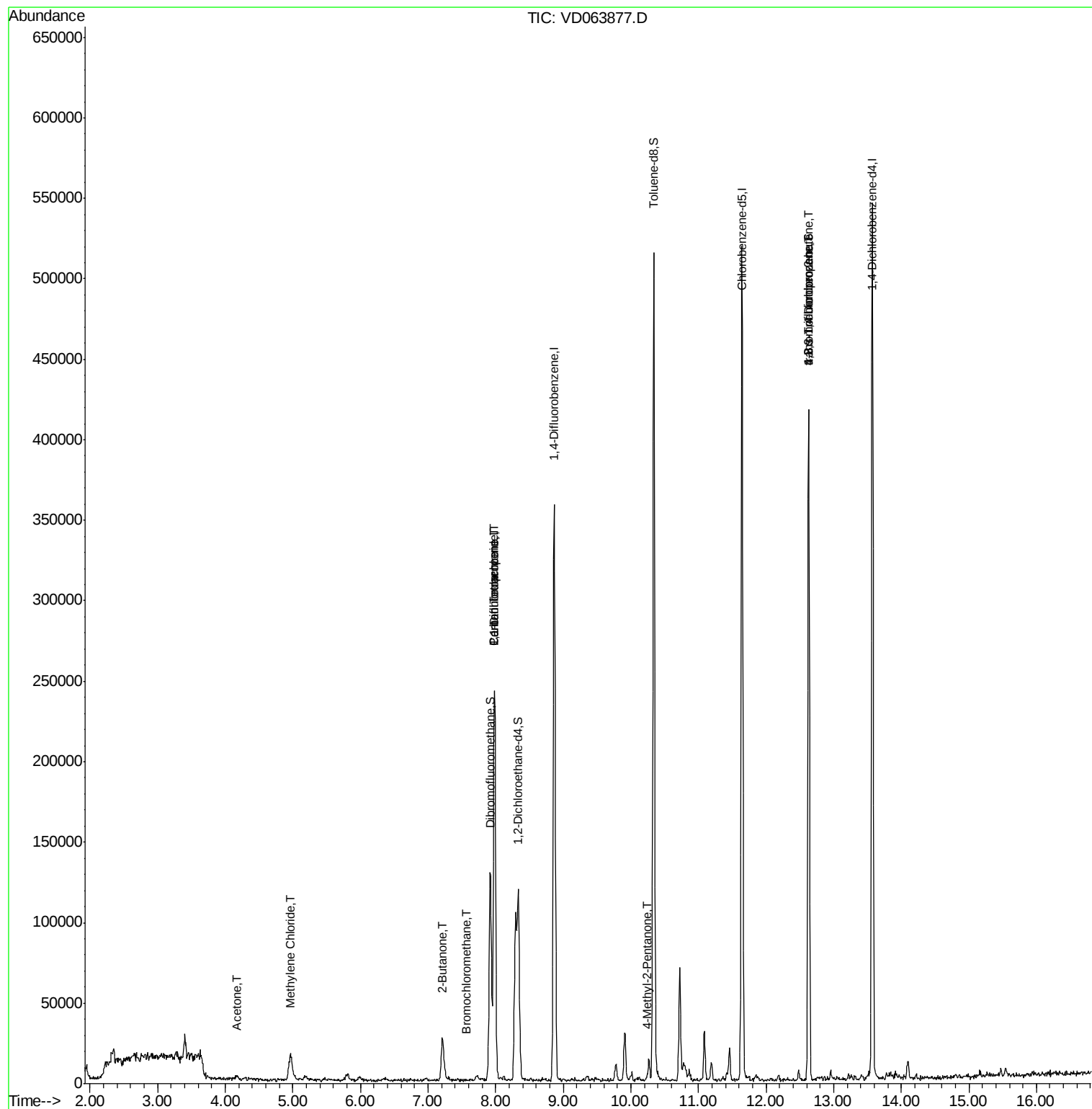
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1118	Below Cal	#	75
11) Tert butyl alcohol	5.25	59	641	Below Cal	#	71
16) Acetone	4.17	43	3892	8.033	ug/l #	65
20) Methylene Chloride	4.97	84	10826	2.156	ug/l #	89
25) 2-Butanone	7.21	43	1386	2.414	ug/l #	51
28) Bromochloromethane	7.56	49	55	1.906	ug/l #	10
31) Cyclohexane	7.99	56	5247	Below Cal	#	55
36) 1,1-Dichloropropene	7.98	75	14617	5.214	ug/l #	50
37) Ethyl Acetate	7.31	43	1584	Below Cal	#	72
38) Carbon Tetrachloride	7.98	117	18810	6.640	ug/l #	15
51) 4-Methyl-2-Pentanone	10.24	43	1462	1.199	ug/l #	56
76) 1,2,3-Trichloropropane	12.63	75	61421	63.191	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	61421	111.822	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	74	Below Cal	#	58

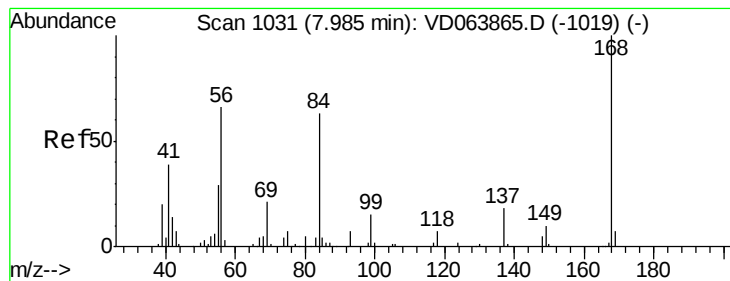
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063877.D

Acq: 03 Oct 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

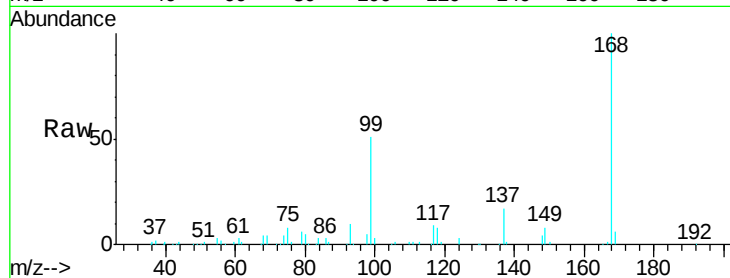
VD1003SBL06

Tgt Ion:168 Resp: 191138

Ion Ratio Lower Upper

168 100

99 51.2 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

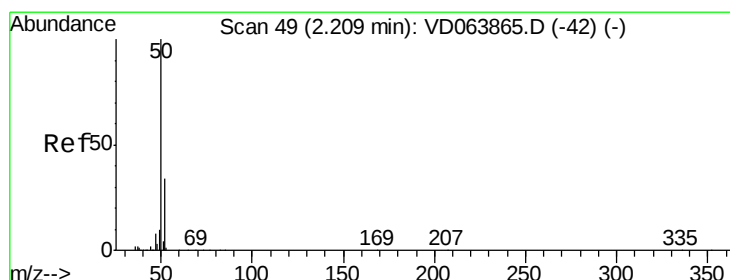
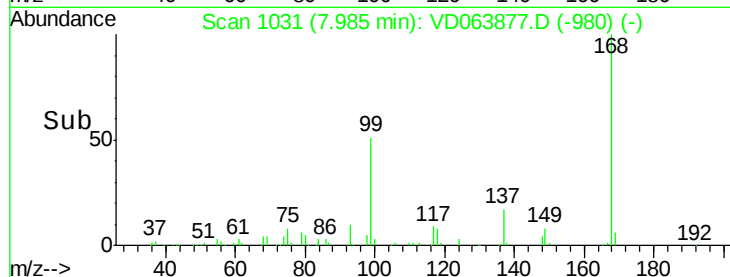
40000

20000

0

7.90 8.00 8.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD063877.D

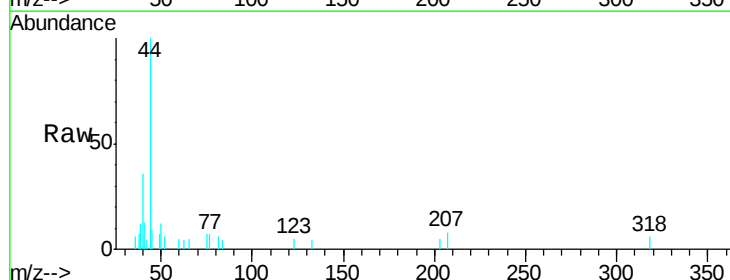
Acq: 03 Oct 2019 15:59

Tgt Ion: 50 Resp: 1118

Ion Ratio Lower Upper

50 100

52 49.1 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

500

400

300

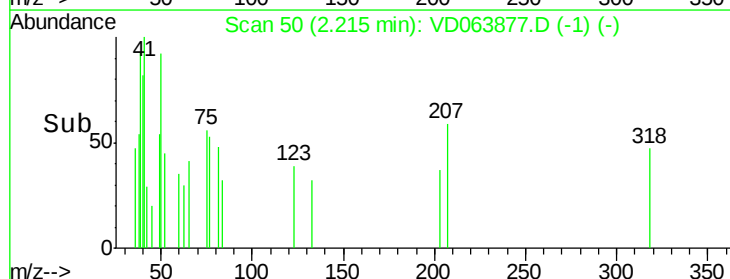
200

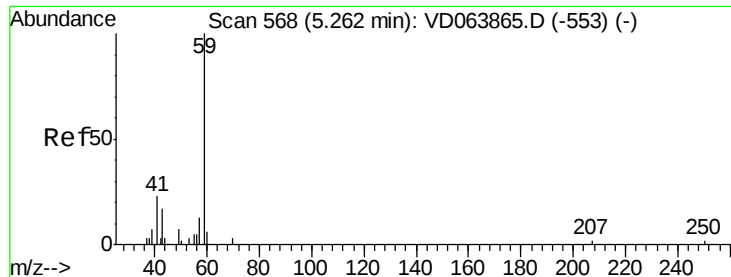
100

0

2.15 2.20 2.25

Time-->

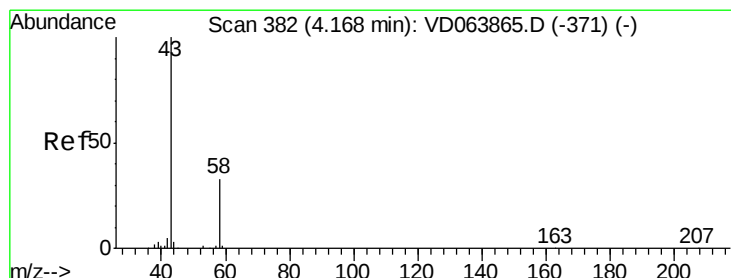
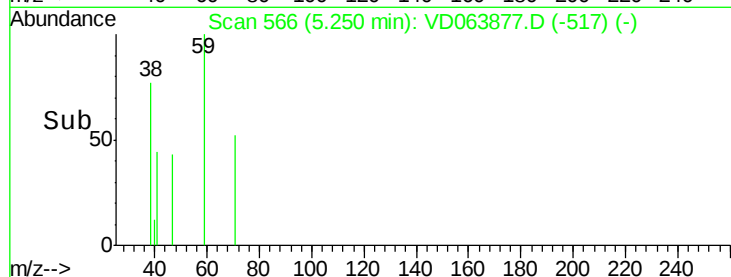
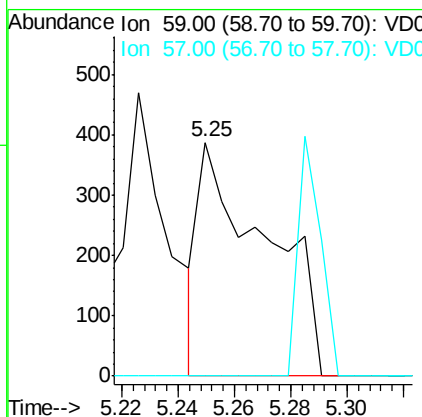
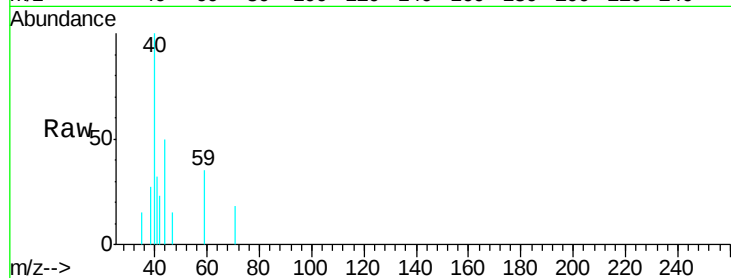




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

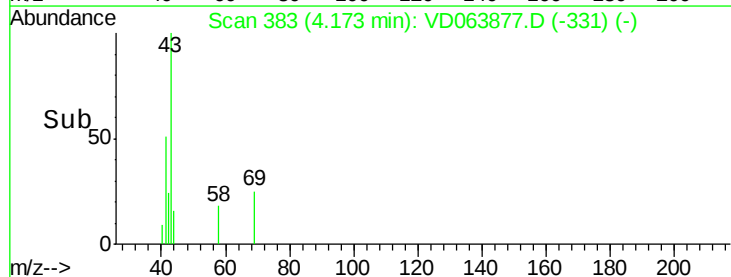
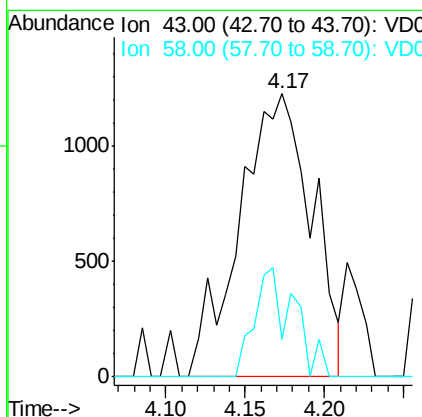
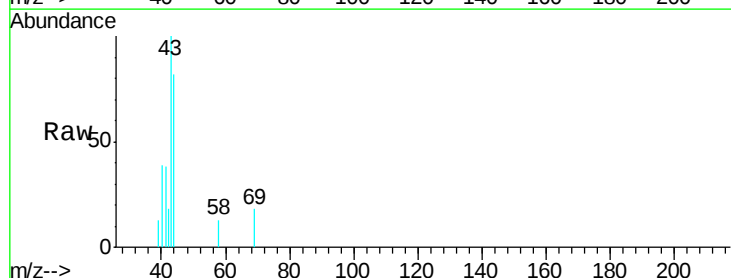
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL06

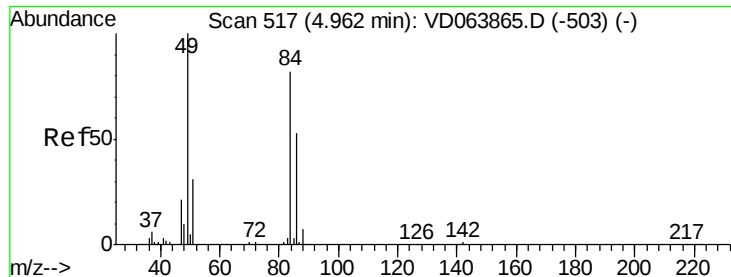
Tgt Ion: 59 Resp: 641
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 8.033 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Tgt Ion: 43 Resp: 3892
Ion Ratio Lower Upper
43 100
58 13.1 26.2 39.4#

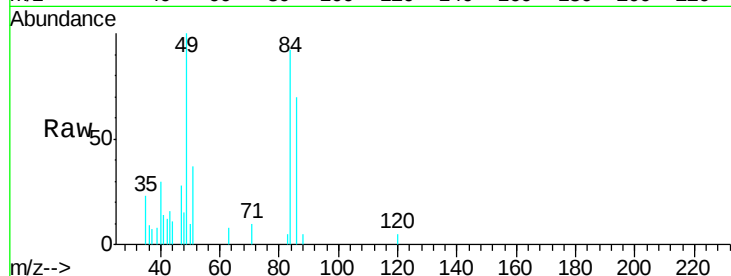




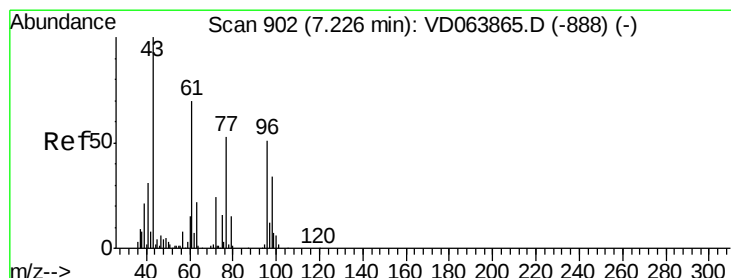
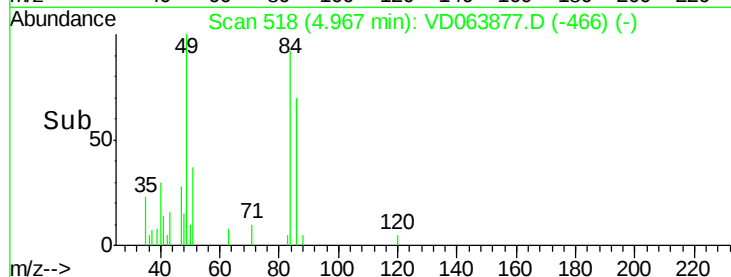
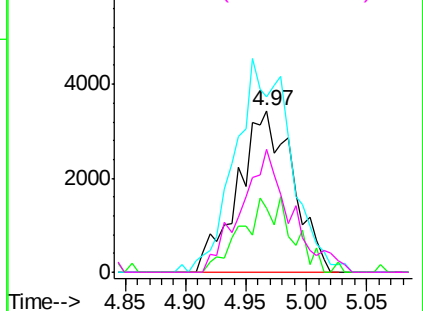
#20
Methylene Chloride
Concen: 2.156 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL06

Tgt Ion:	84	Resp:	10826
Ion	Ratio	Lower	Upper
84	100		
49	108.3	97.3	145.9
51	40.0	30.1	45.1
86	75.8	51.4	77.2

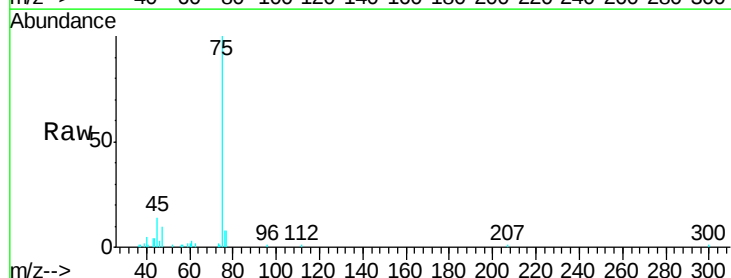


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

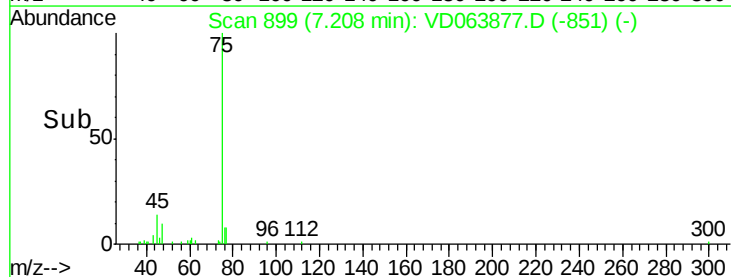
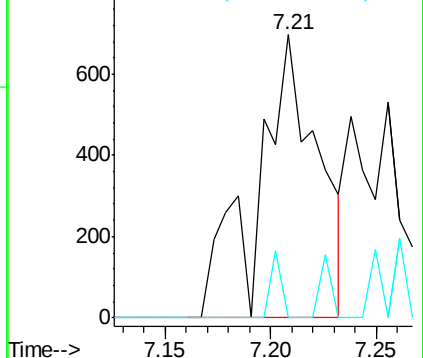


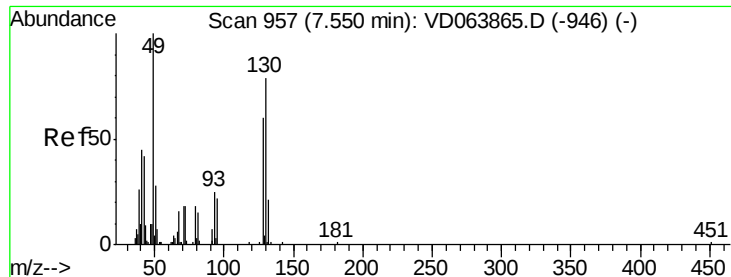
#25
2-Butanone
Concen: 2.414 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.02 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Tgt Ion:	43	Resp:	1386
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.2	28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#28

Bromochloromethane

Concen: 1.906 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD063877.D

Acq: 03 Oct 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL06

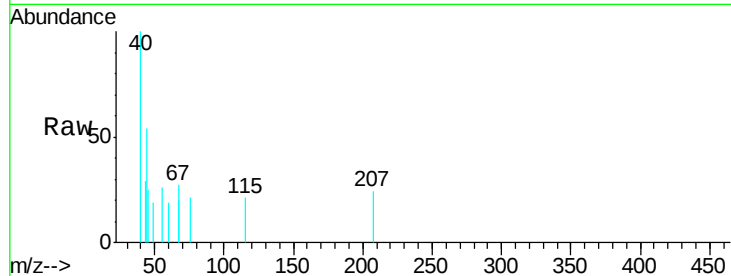
Tgt Ion: 49 Resp: 55

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

7.56

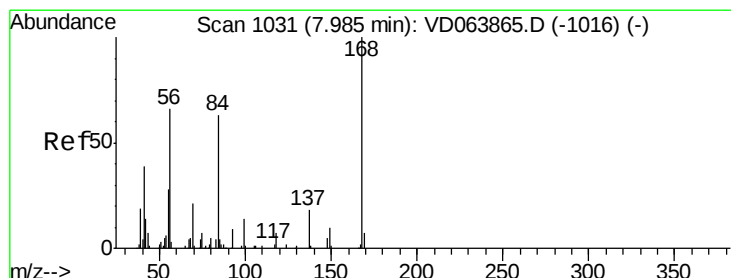
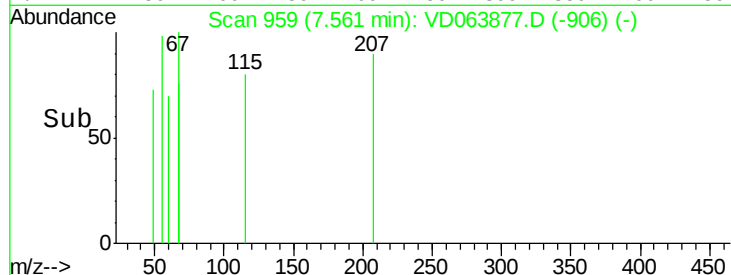
150

100

50

0

Time--> 7.54 7.55 7.56 7.57 7.58



#31

Cyclohexane

Concen: Below Cal

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD063877.D

Acq: 03 Oct 2019 15:59

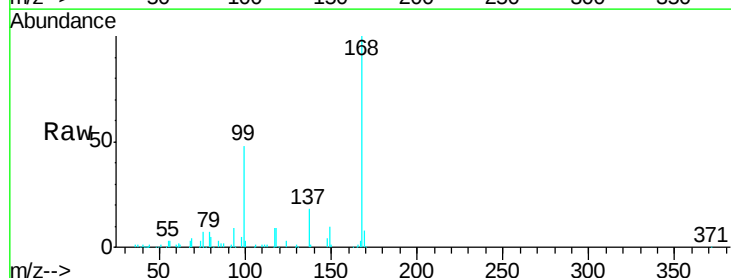
Tgt Ion: 56 Resp: 5247

Ion Ratio Lower Upper

56 100

69 125.0 25.0 37.4#

84 98.8 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

4000

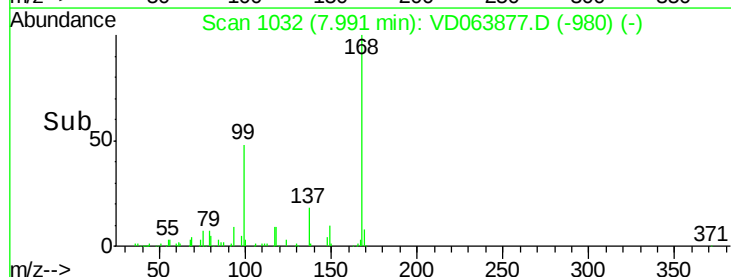
3000

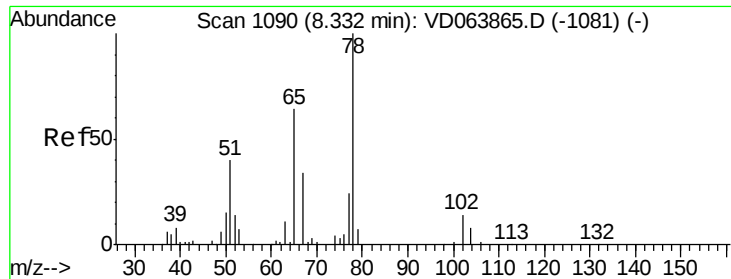
2000

1000

0

Time--> 7.90 7.95 8.00 8.05





#33

1,2-Dichloroethane-d4

Concen: 45.943 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063877.D

Acq: 03 Oct 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

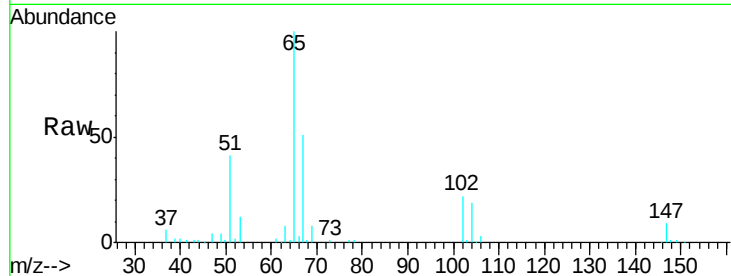
VD1003SBL06

Tgt Ion: 65 Resp: 85495

Ion Ratio Lower Upper

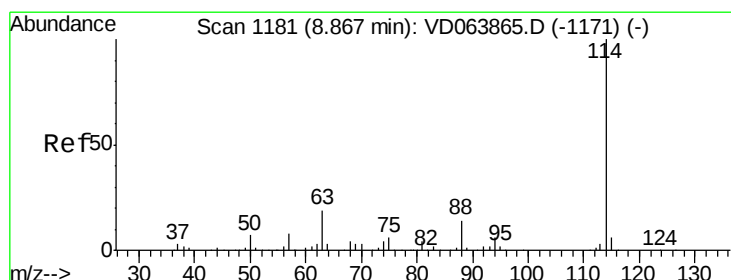
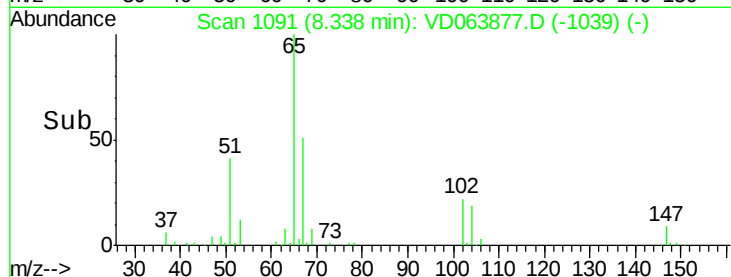
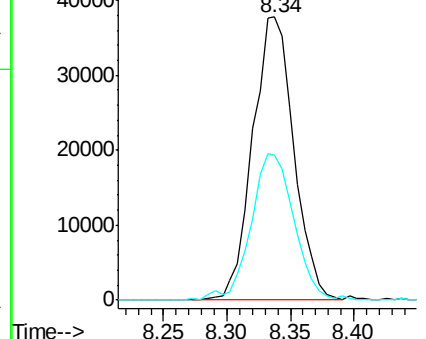
65 100

67 54.2 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: VD063877.D

Acq: 03 Oct 2019 15:59

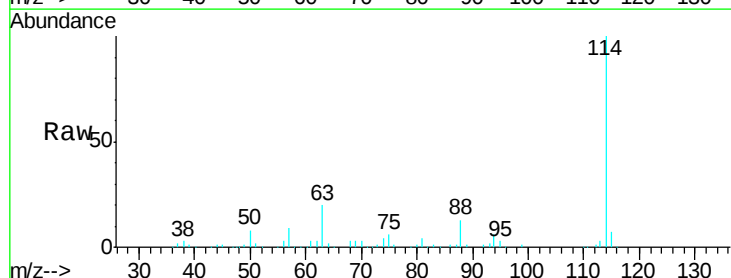
Tgt Ion: 114 Resp: 306594

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

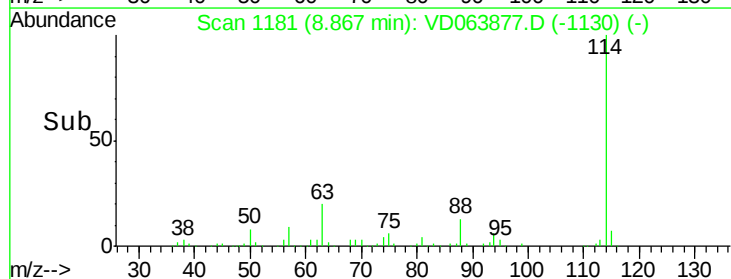
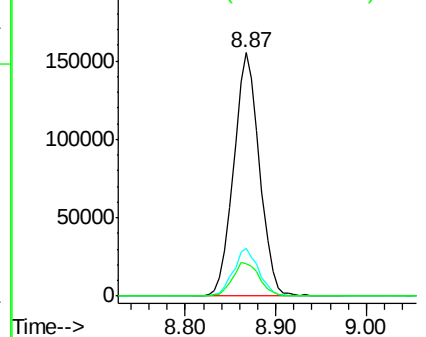
88 13.5 0.0 27.4

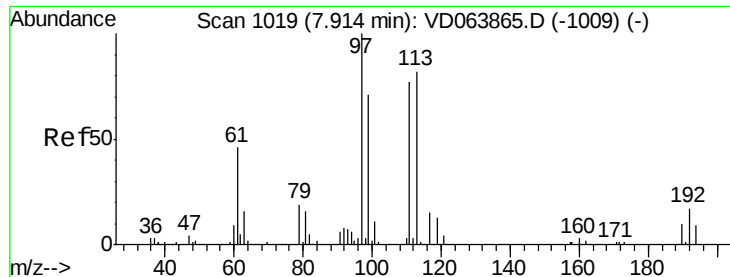


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

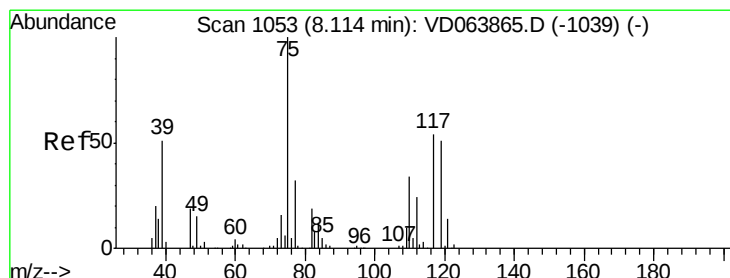
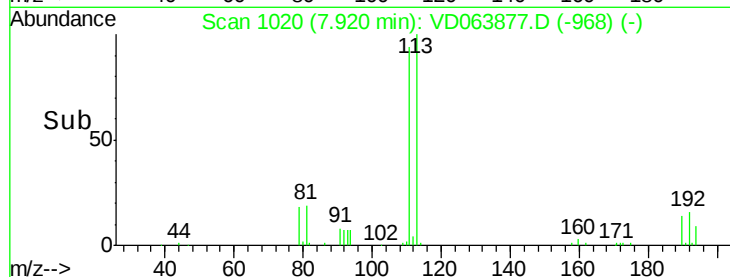
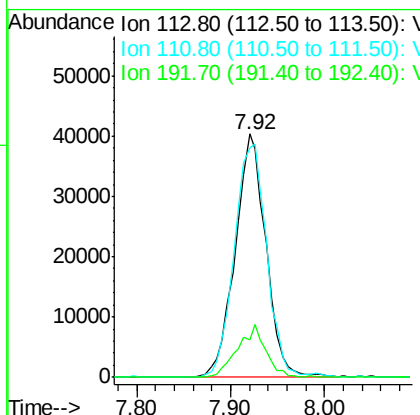
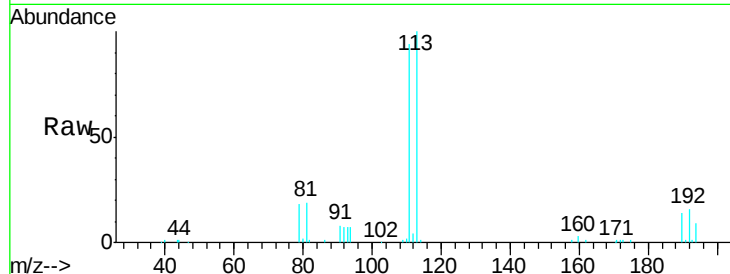




#35
Dibromofluoromethane
Concen: 48.798 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

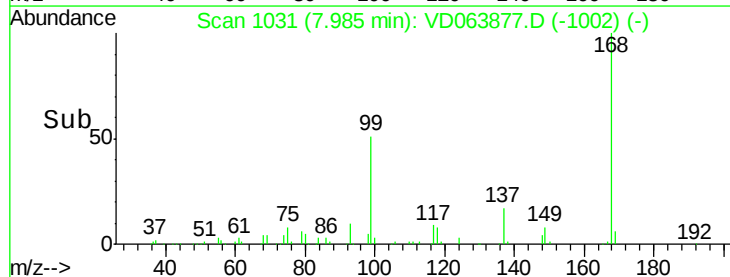
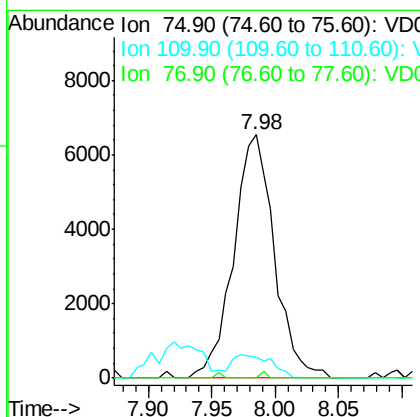
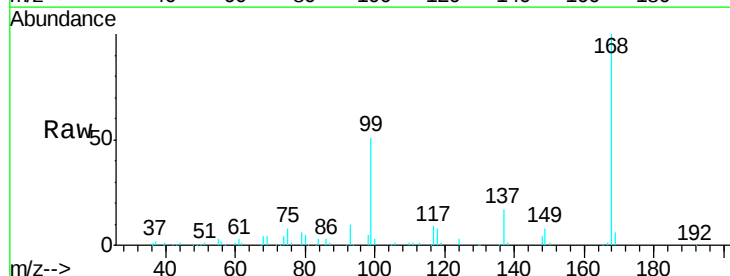
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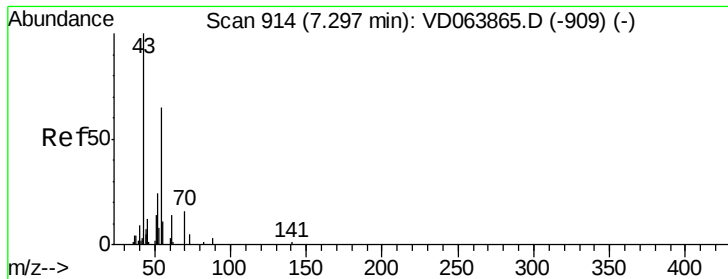
Tgt Ion: 113 Resp: 91432
Ion Ratio Lower Upper
113 100
111 100.9 82.6 123.8
192 19.6 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.214 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Tgt Ion: 75 Resp: 14617
Ion Ratio Lower Upper
75 100
110 9.0 17.4 52.3#
77 0.5 25.4 38.0#

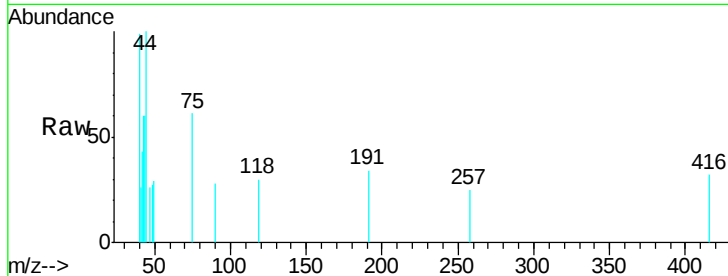




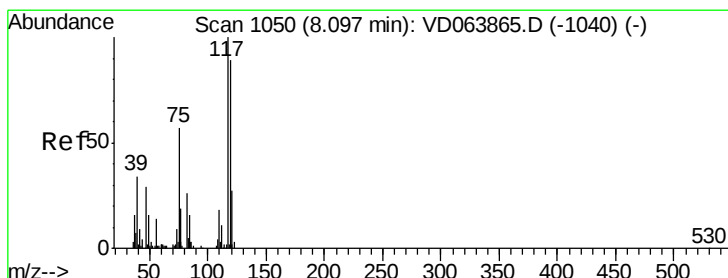
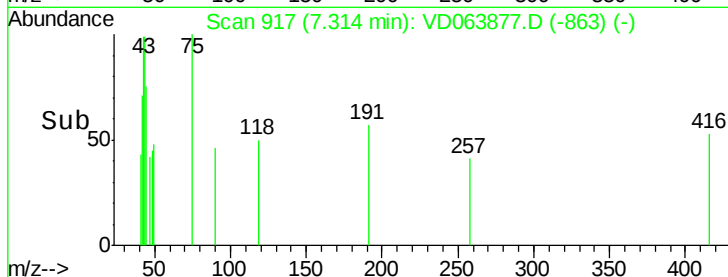
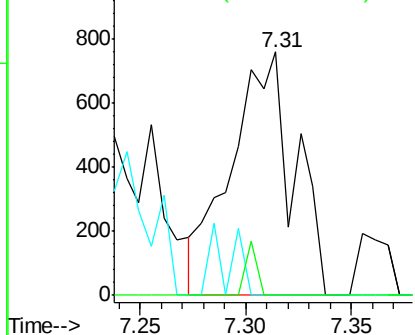
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 917
Delta R.T. 0.02 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL06

Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 3.7 8.2 12.4#

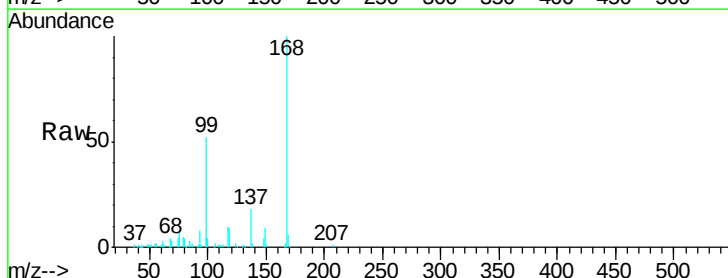


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

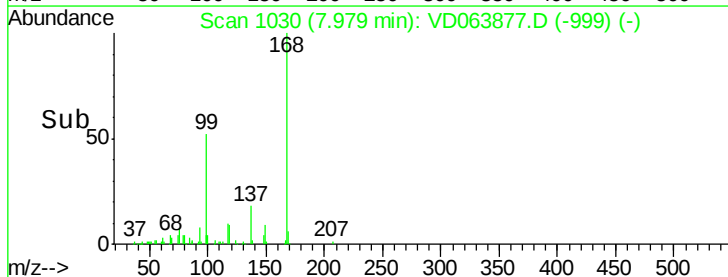
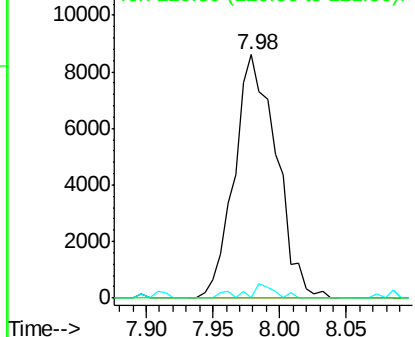


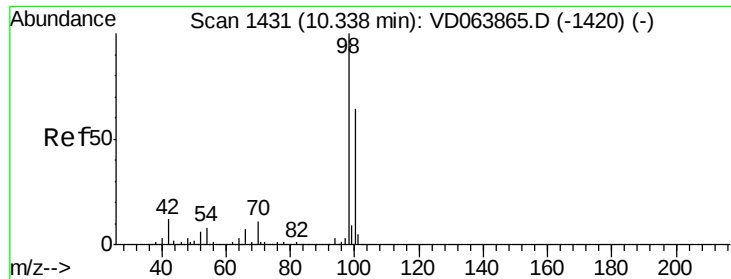
#38
Carbon Tetrachloride
Concen: 6.640 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Tgt Ion: 117 Resp: 18810
Ion Ratio Lower Upper
117 100
119 0.0 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

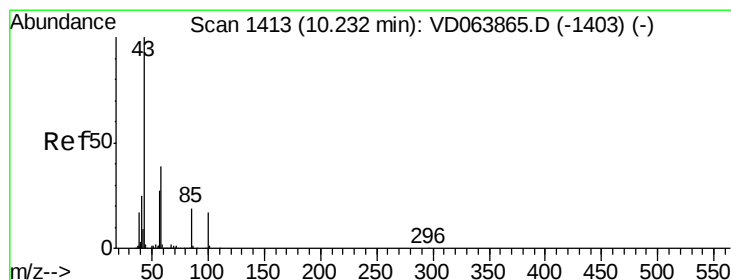
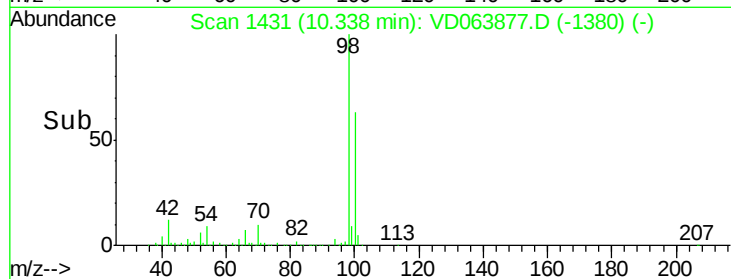
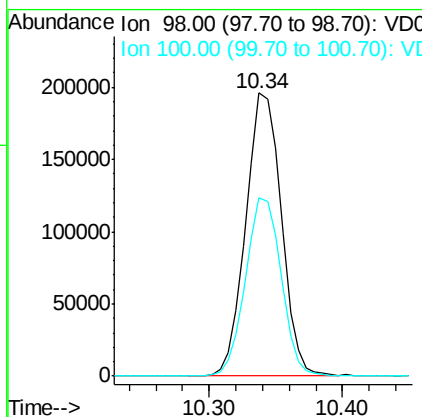
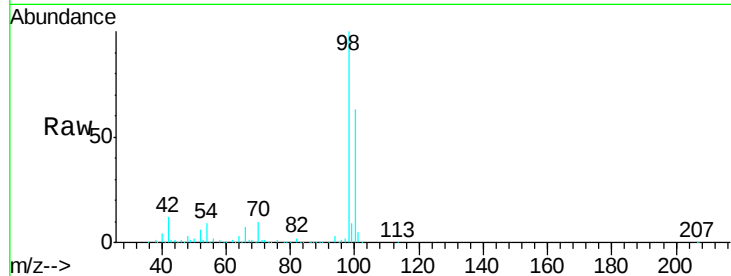




#50
Toluene-d8
Concen: 47.443 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

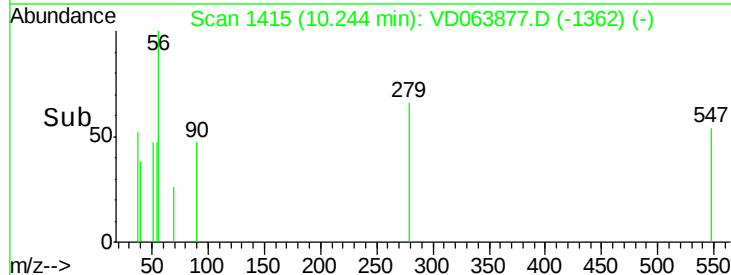
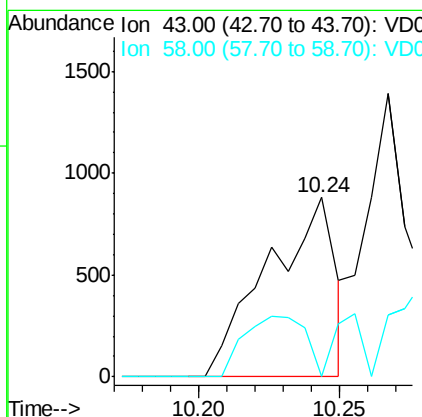
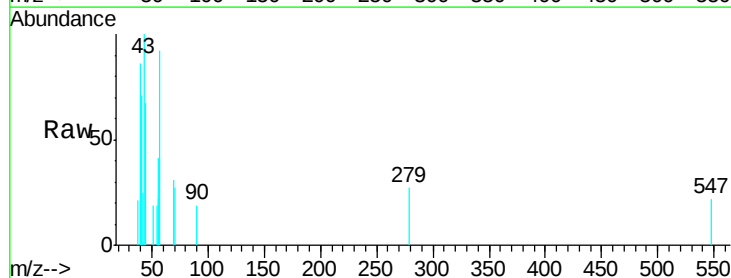
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL06

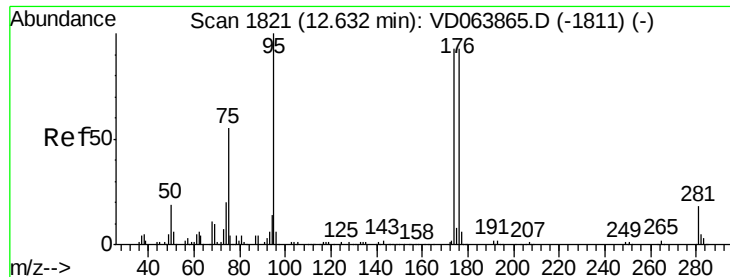
Tgt Ion: 98 Resp: 360806
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.199 ug/l
RT: 10.24 min Scan# 1415
Delta R.T. 0.01 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
58 13.8 33.0 49.4#

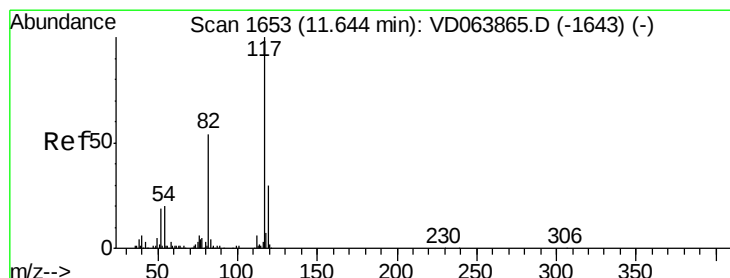
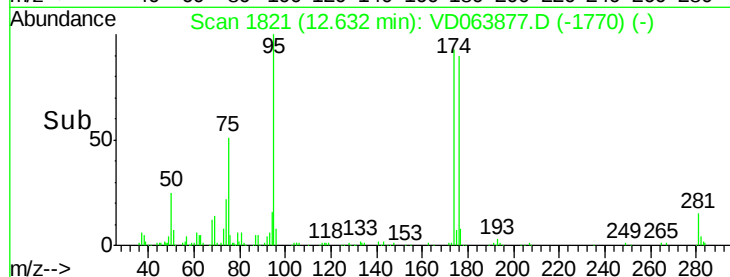
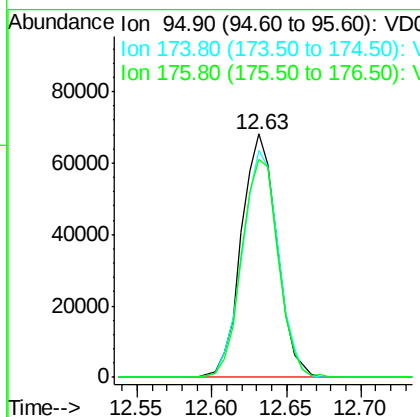
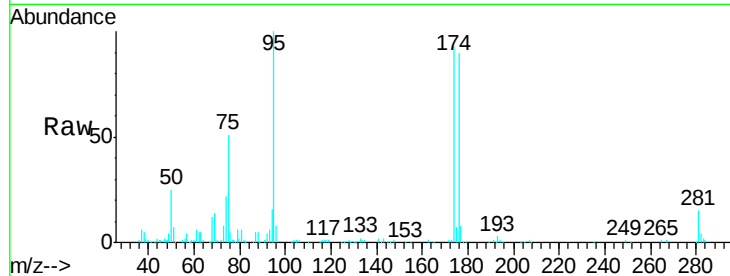




#62
4-Bromofluorobenzene
Concen: 42.544 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

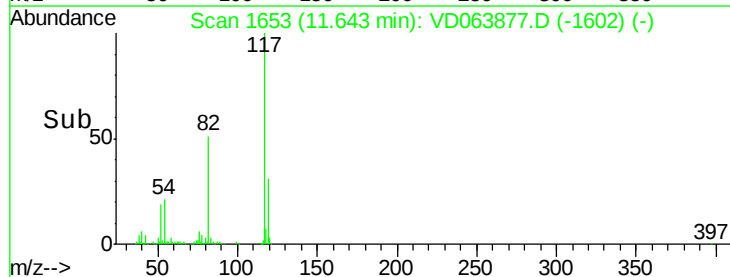
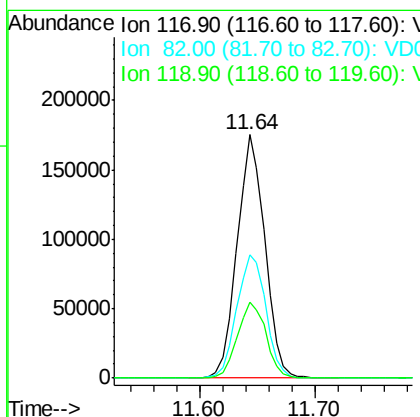
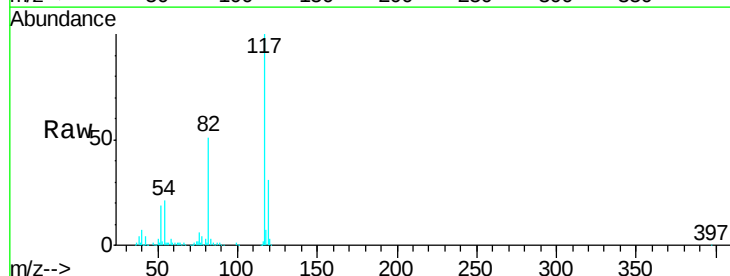
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL06

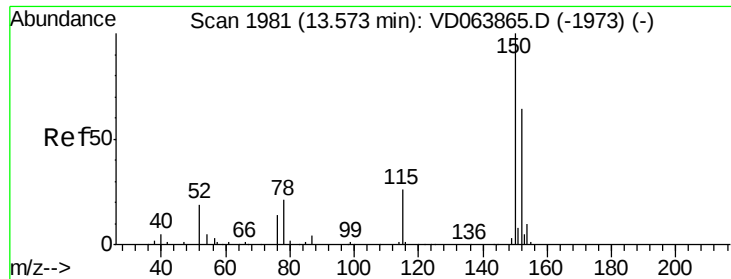
Tgt Ion: 95 Resp: 112433
Ion Ratio Lower Upper
95 100
174 93.9 0.0 186.4
176 91.4 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063877.D
Acq: 03 Oct 2019 15:59

Tgt Ion: 117 Resp: 291226
Ion Ratio Lower Upper
117 100
82 50.6 42.8 64.2
119 31.2 24.4 36.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063877.D

Acq: 03 Oct 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL06

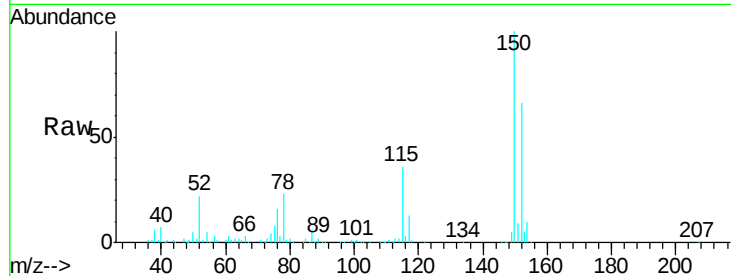
Tgt Ion:152 Resp: 145123

Ion Ratio Lower Upper

152 100

115 53.8 25.9 77.7

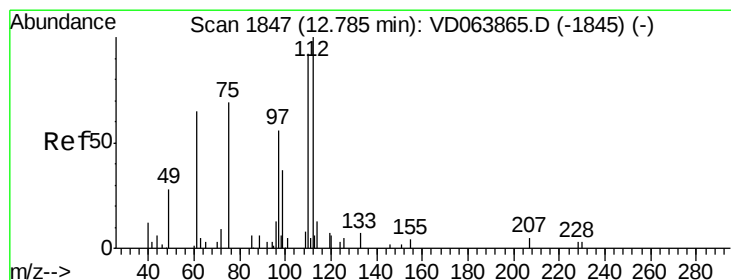
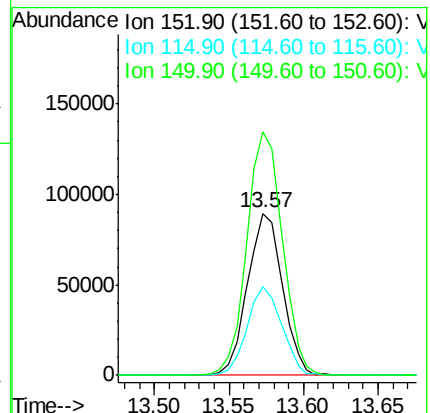
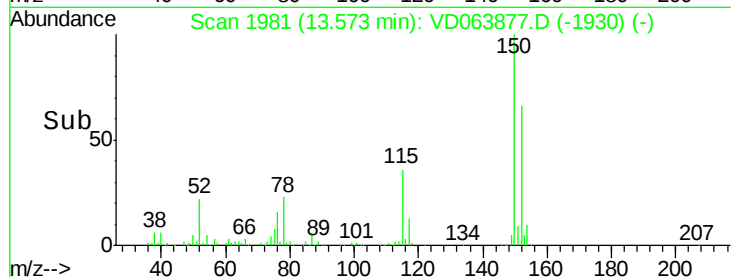
150 152.5 0.0 344.2



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: 63.191 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. -0.16 min

Lab File: VD063877.D

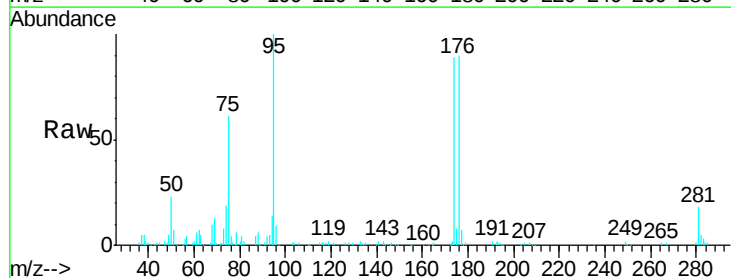
Acq: 03 Oct 2019 15:59

Tgt Ion: 75 Resp: 61421

Ion Ratio Lower Upper

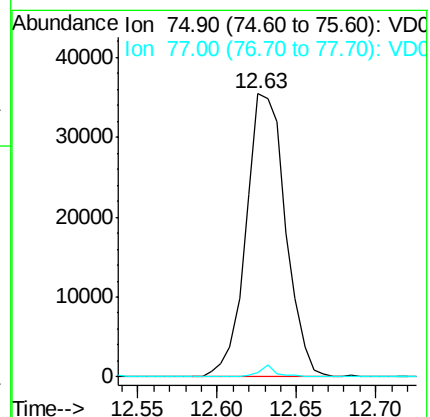
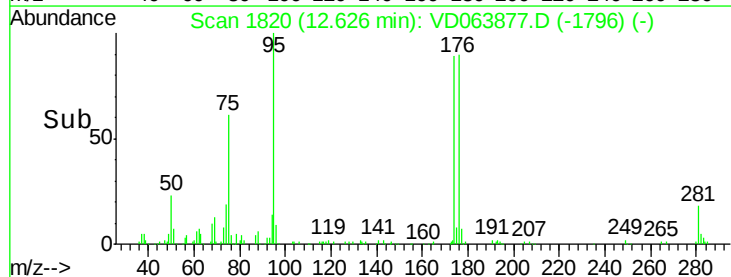
75 100

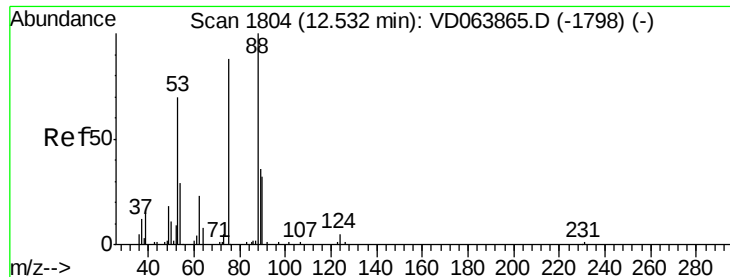
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 111.822 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. 0.09 min

Lab File: VD063877.D

Acq: 03 Oct 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL06

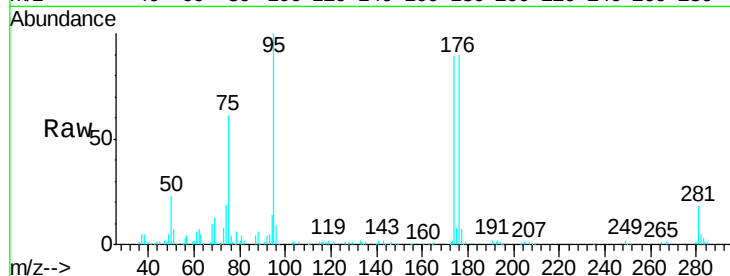
Tgt Ion: 75 Resp: 61421

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

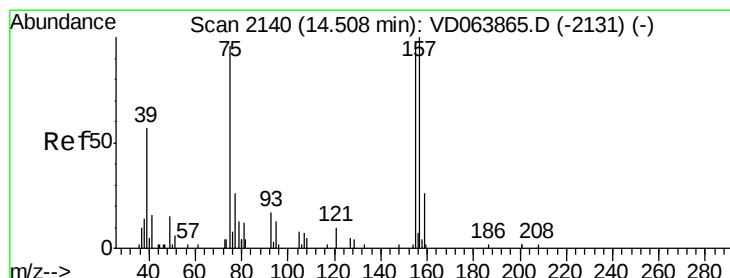
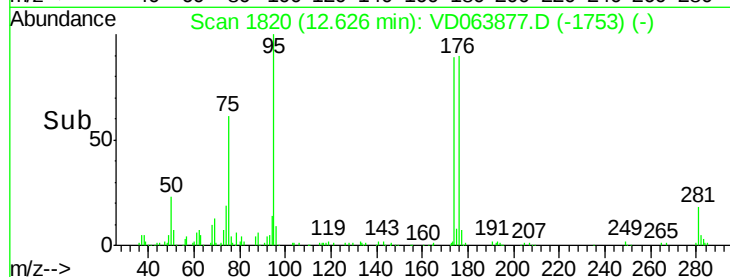
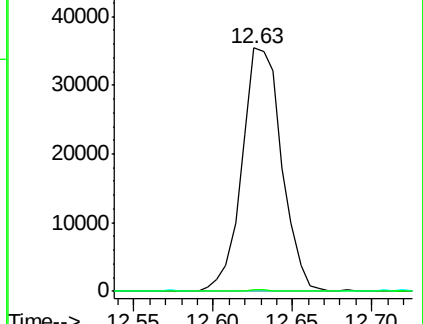
89 0.3 38.2 57.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.54 min Scan# 2145

Delta R.T. 0.03 min

Lab File: VD063877.D

Acq: 03 Oct 2019 15:59

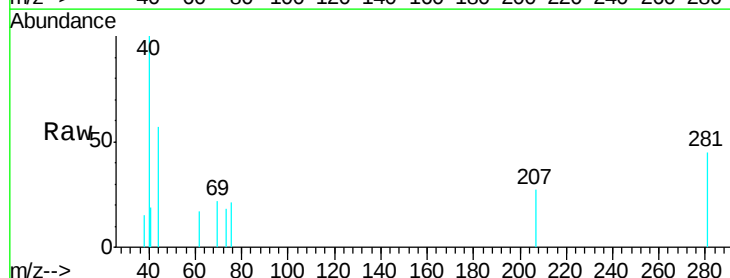
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 112.2 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

