

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
 Data File : VD064519.D
 Acq On : 16 Dec 2019 12:04
 Operator : VA/SY
 Sample : VD1216SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBL01

Quant Time: Dec 17 01:51:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	446040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	660853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328685	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	195914	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
35) Dibromofluoromethane	7.92	113	207108	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	10.34	98	821134	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.64	95	283269	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	

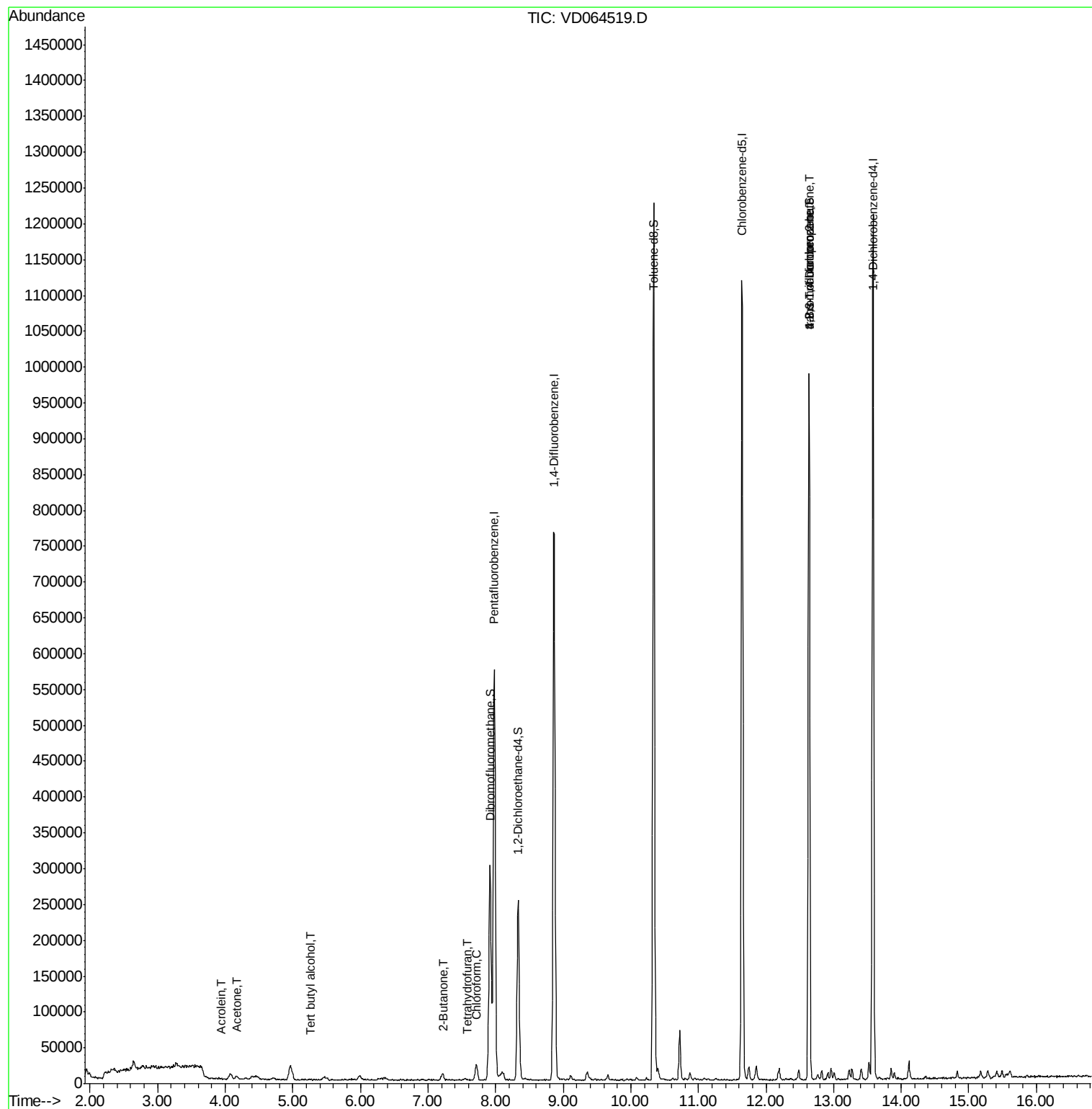
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.26	59	287	1.117	ug/l #	100
13) Acrolein	3.94	56	760	2.168	ug/l #	74
16) Acetone	4.16	43	7622	9.342	ug/l #	76
20) Methylene Chloride	4.97	84	14641	Below Cal	#	83
25) 2-Butanone	7.23	43	1505	1.304	ug/l #	44
29) Tetrahydrofuran	7.58	42	1380	1.880	ug/l #	52
30) Chloroform	7.72	83	20623	2.673	ug/l	84
31) Cyclohexane	7.97	56	12529	Below Cal	#	27
76) 1,2,3-Trichloropropane	12.64	75	151045	55.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	151045	121.849	ug/l #	9

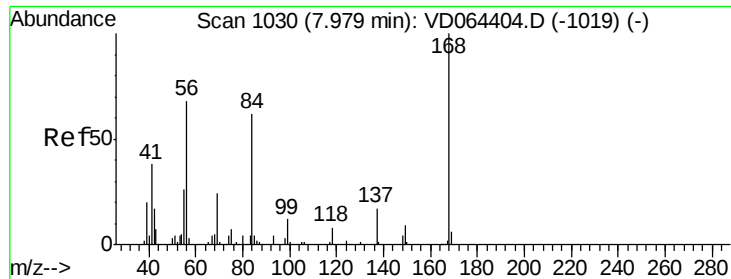
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
Data File : VD064519.D
Acq On : 16 Dec 2019 12:04
Operator : VA/SY
Sample : VD1216SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBL01

Quant Time: Dec 17 01:51:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
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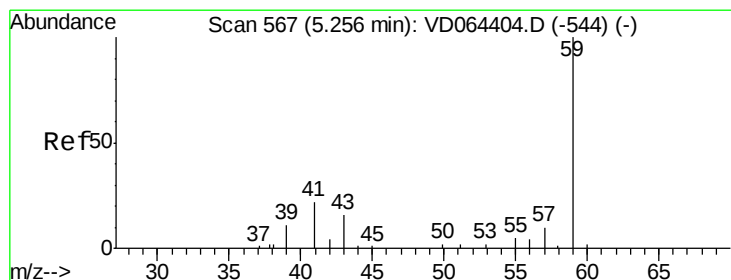
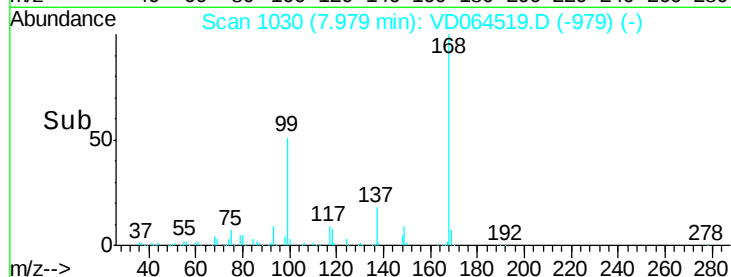
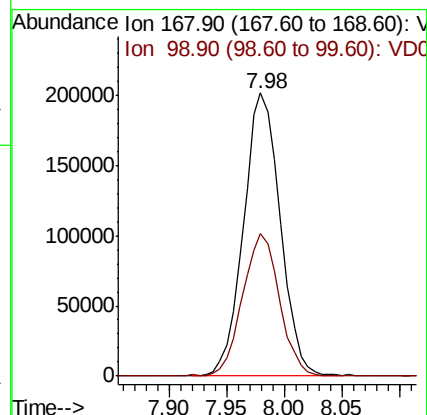
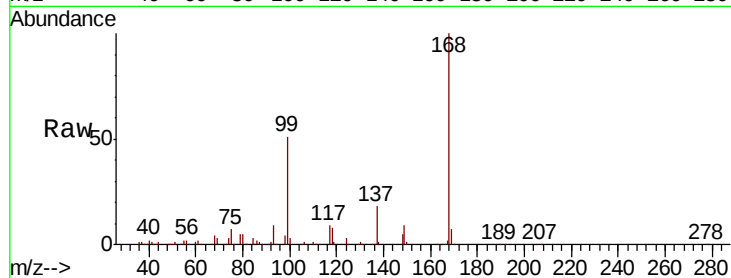




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

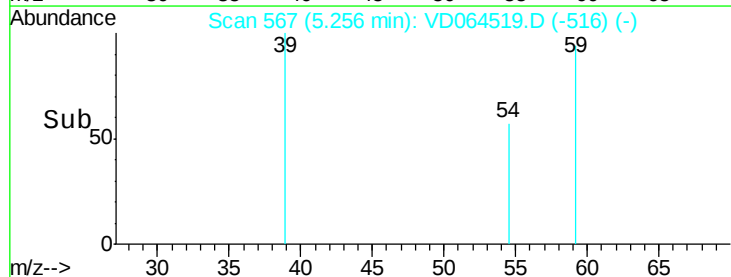
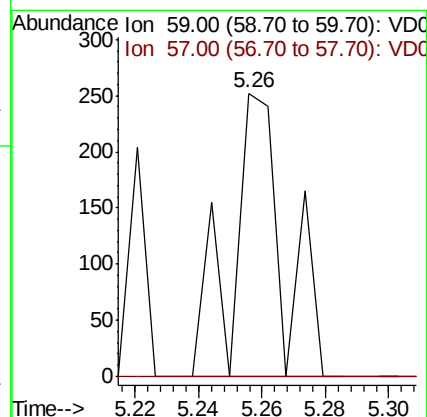
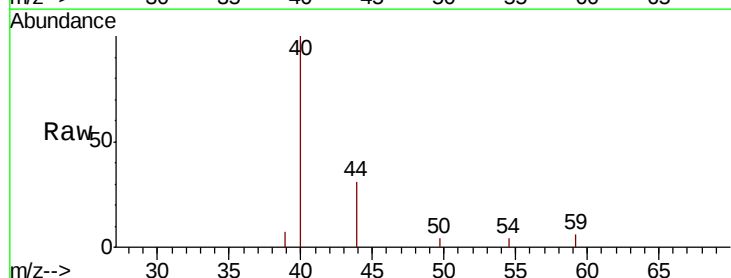
Instrument :
MSVOA_D
ClientSampleId :
VD1216SBL01

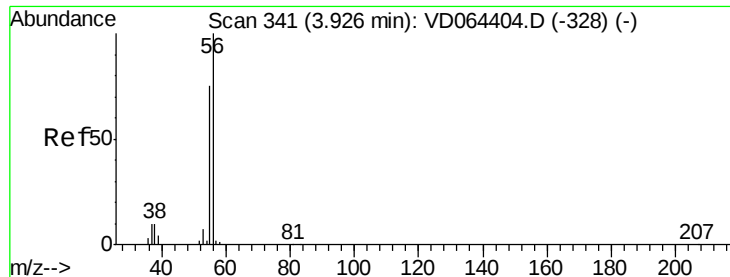
Tgt Ion:168 Resp: 446040
Ion Ratio Lower Upper
168 100
99 50.3 40.7 61.1



#11
Tert butyl alcohol
Concen: 1.117 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#13

Acrolein

Concen: 2.168 ug/l

RT: 3.94 min Scan# 343

Delta R.T. 0.01 min

Lab File: VD064519.D

Acq: 16 Dec 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

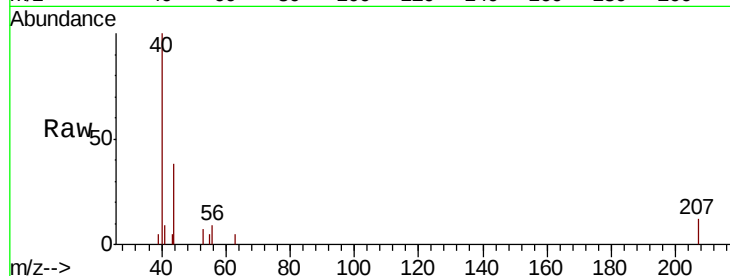
VD1216SBL01

Tgt Ion: 56 Resp: 760

Ion Ratio Lower Upper

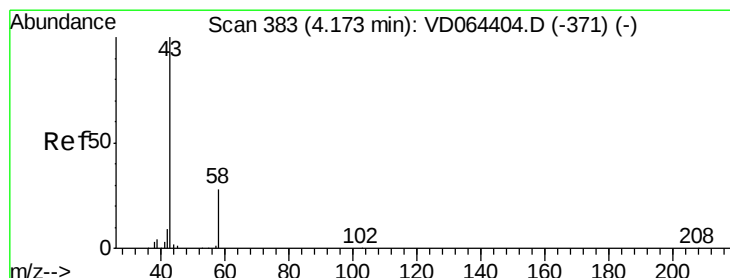
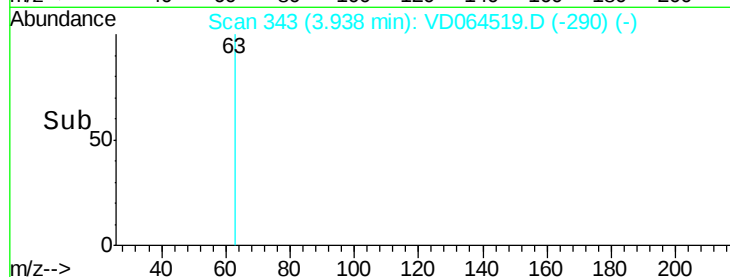
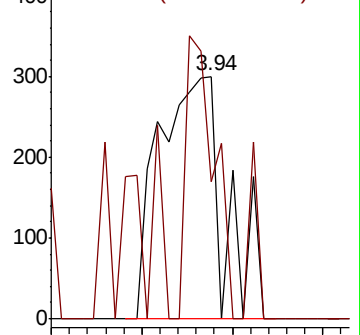
56 100

55 49.7 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 9.342 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064519.D

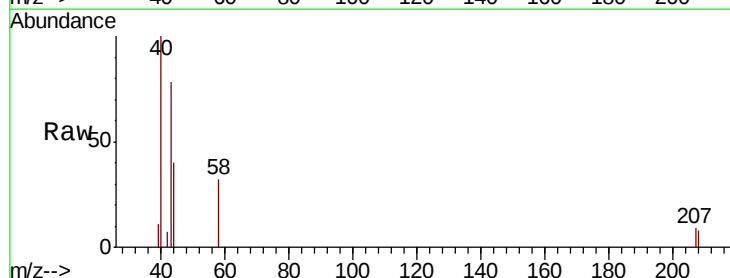
Acq: 16 Dec 2019 12:04

Tgt Ion: 43 Resp: 7622

Ion Ratio Lower Upper

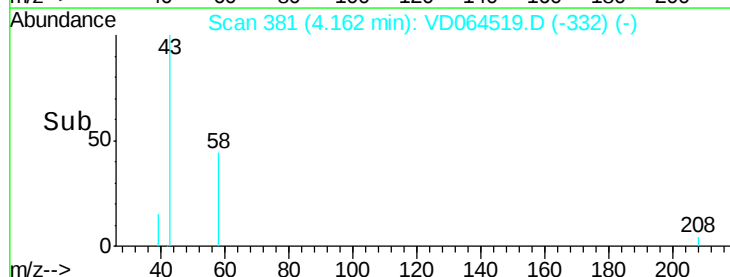
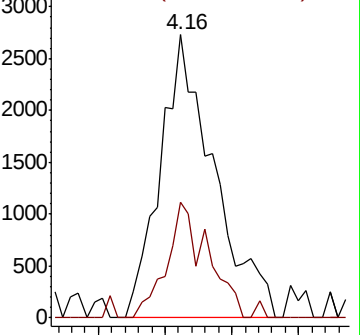
43 100

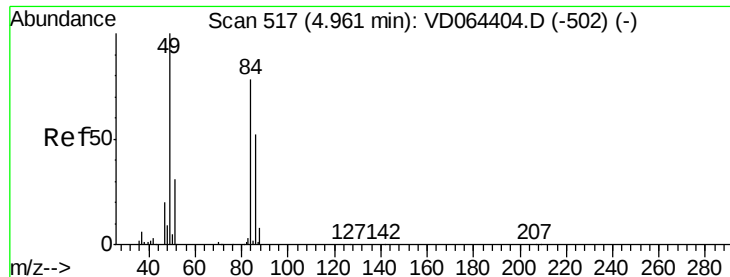
58 40.7 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

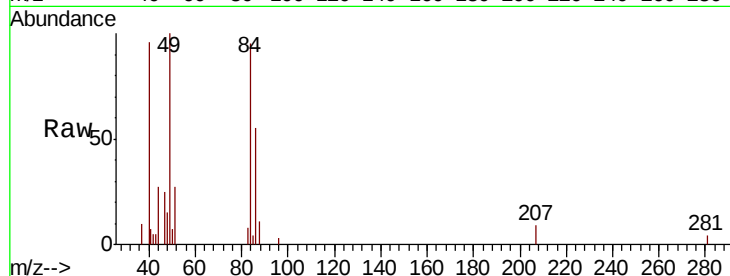




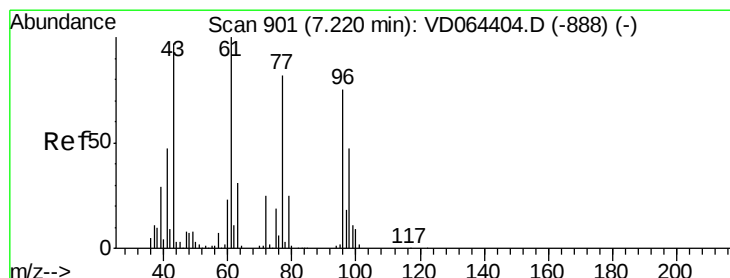
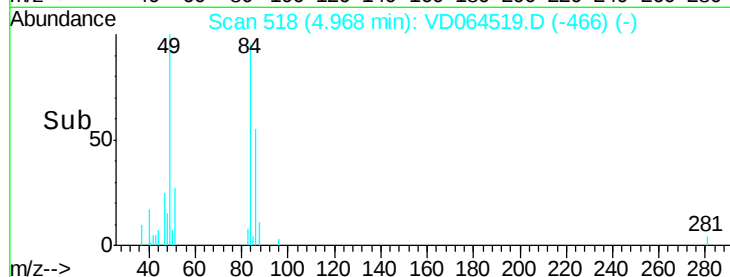
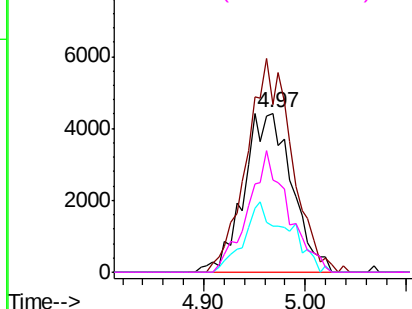
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBL01

Tgt Ion: 84 Resp: 14641
Ion Ratio Lower Upper
84 100
49 105.4 102.6 153.8
51 28.9 32.0 48.0#
86 58.1 53.4 80.0

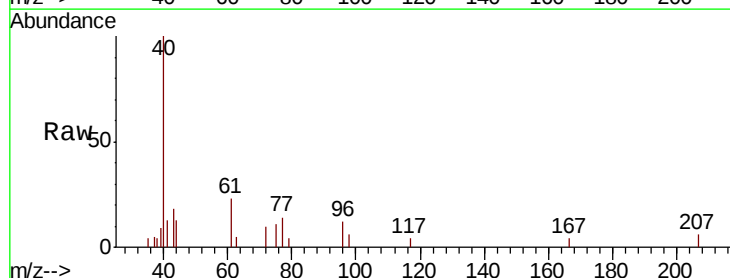


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

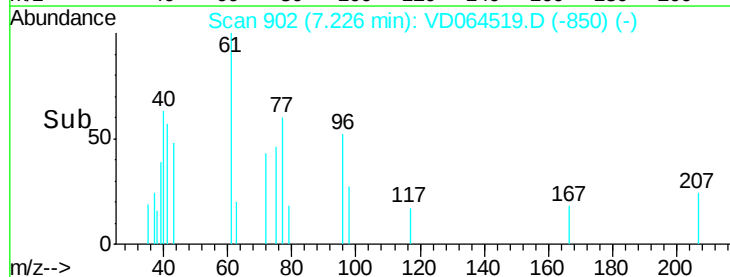
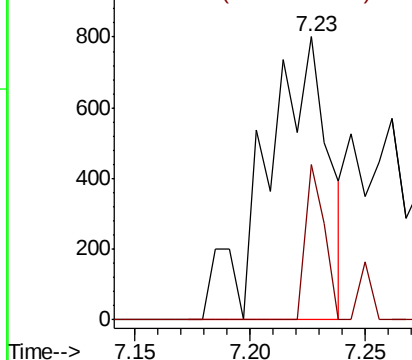


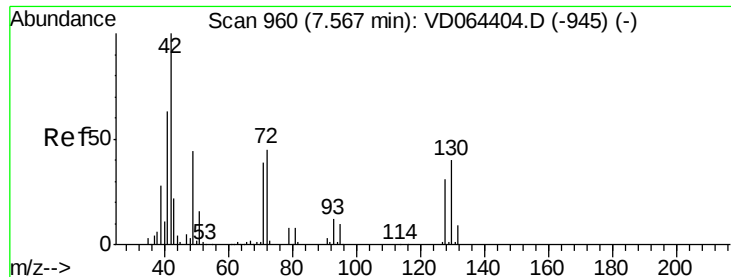
#25
2-Butanone
Concen: 1.304 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

Tgt Ion: 43 Resp: 1505
Ion Ratio Lower Upper
43 100
72 54.9 21.0 31.4#



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

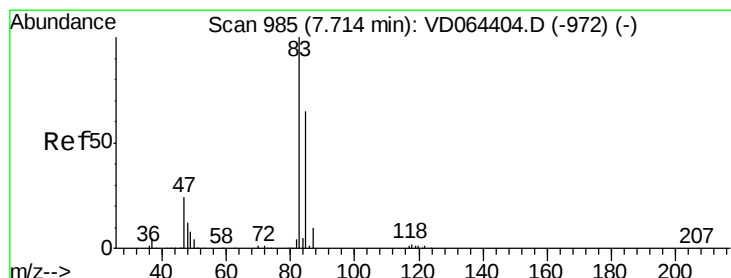
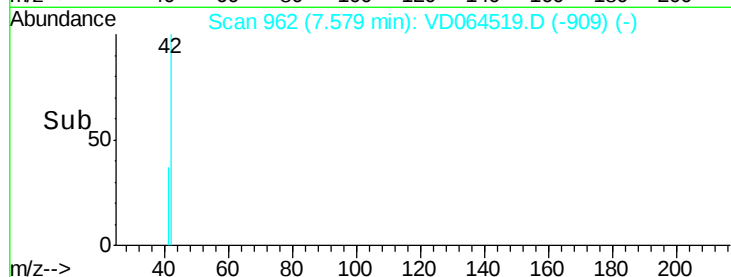
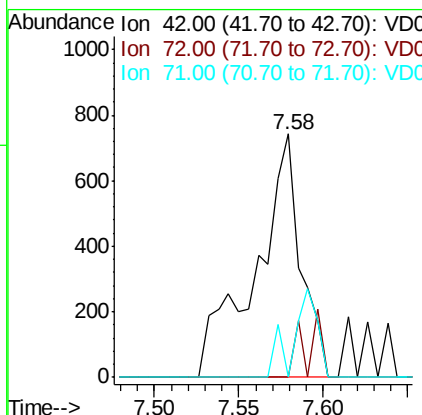
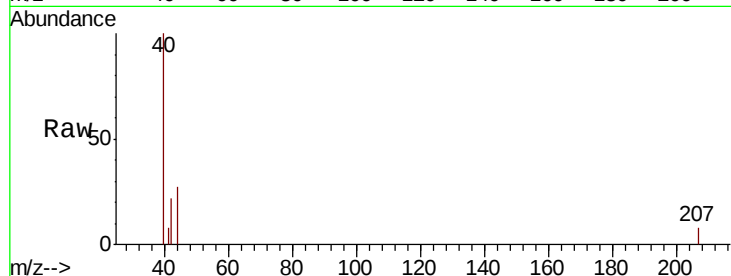




#29
Tetrahydrofuran
Concen: 1.880 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

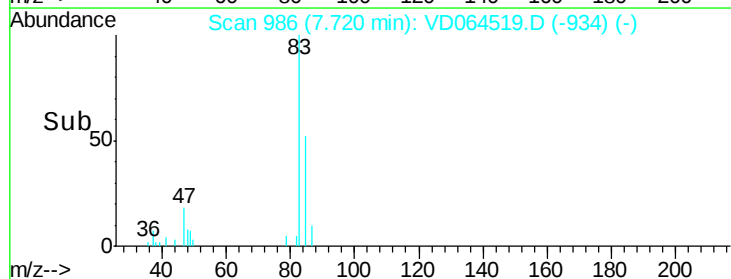
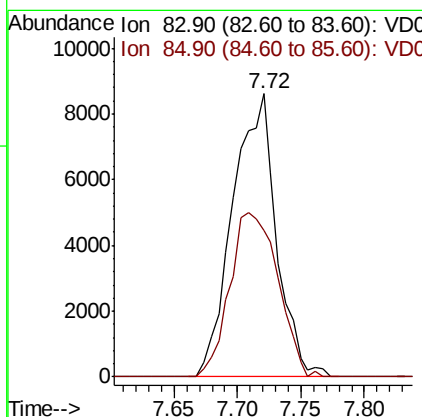
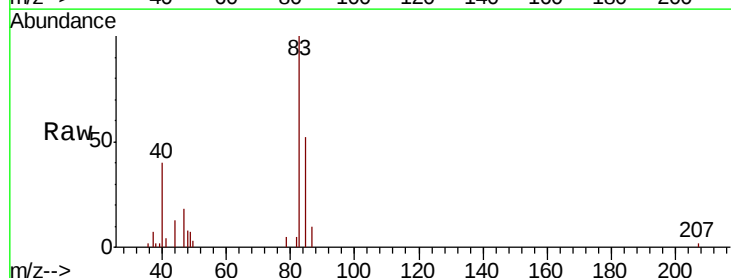
Instrument :
MSVOA_D
ClientSampleId :
VD1216SBL01

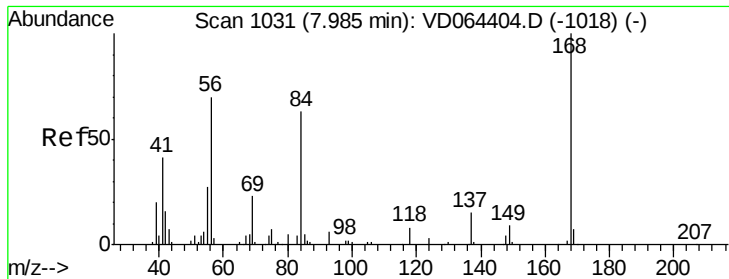
Tgt Ion: 42 Resp: 1380
Ion Ratio Lower Upper
42 100
72 4.5 35.8 53.8#
71 19.9 32.7 49.1#



#30
Chloroform
Concen: 2.673 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

Tgt Ion: 83 Resp: 20623
Ion Ratio Lower Upper
83 100
85 51.8 51.8 77.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064519.D

Acq: 16 Dec 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBL01

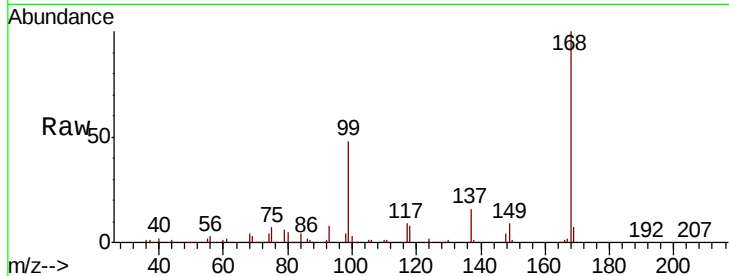
Tgt Ion: 56 Resp: 12529

Ion Ratio Lower Upper

56 100

69 117.8 26.2 39.4#

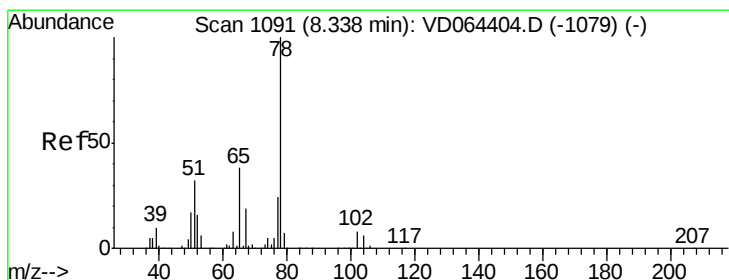
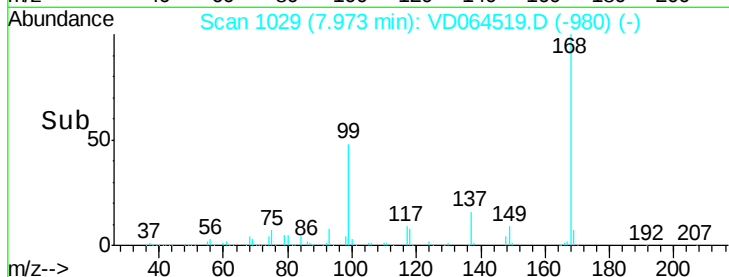
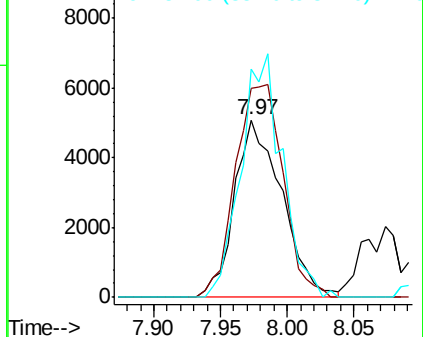
84 128.5 70.3 105.5#



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: 48.526 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064519.D

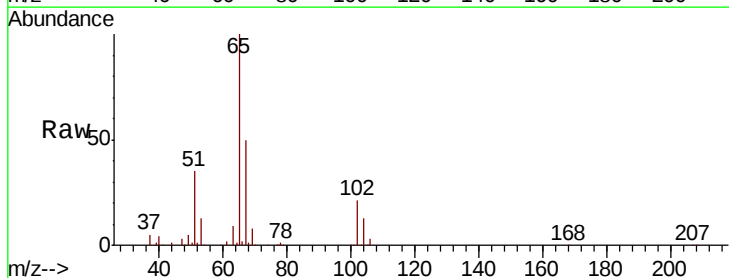
Acq: 16 Dec 2019 12:04

Tgt Ion: 65 Resp: 195914

Ion Ratio Lower Upper

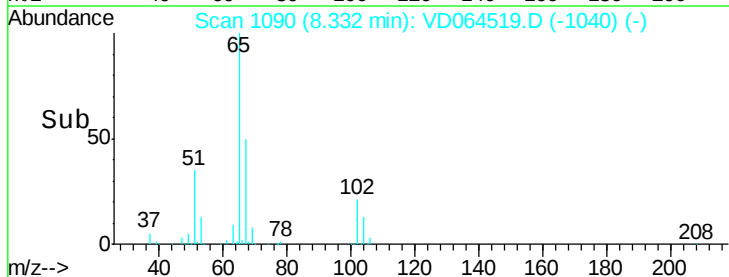
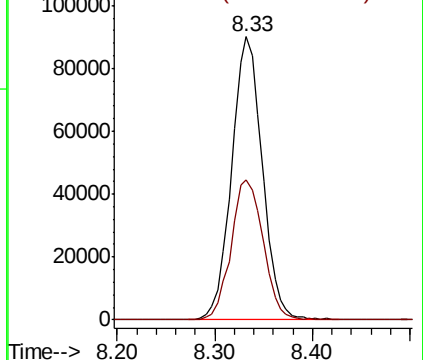
65 100

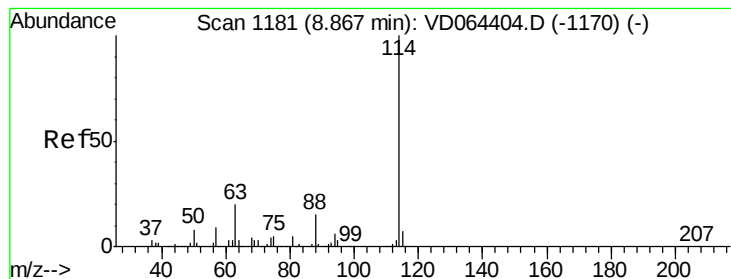
67 51.9 0.0 102.0



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: VD064519.D

Acq: 16 Dec 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBL01

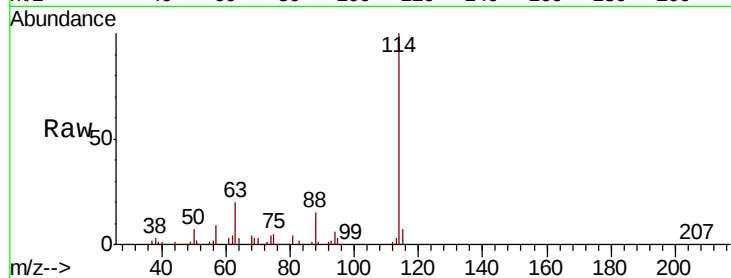
Tgt Ion:114 Resp: 682449

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

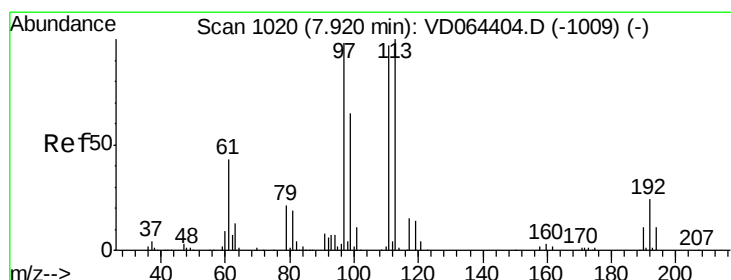
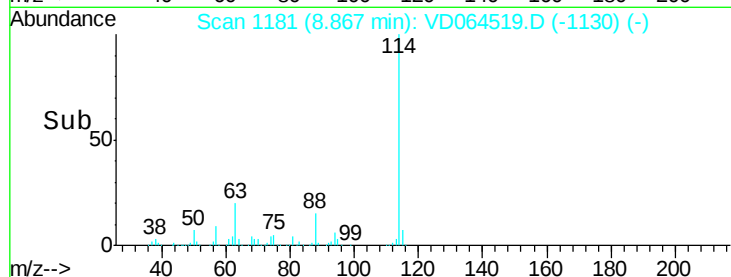
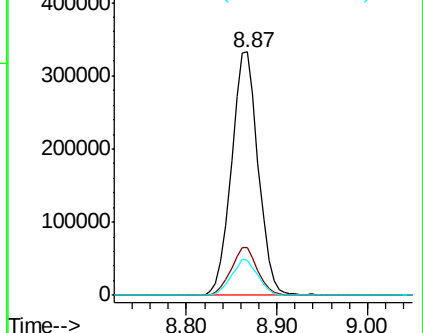
88 14.6 0.0 29.2



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: 48.167 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064519.D

Acq: 16 Dec 2019 12:04

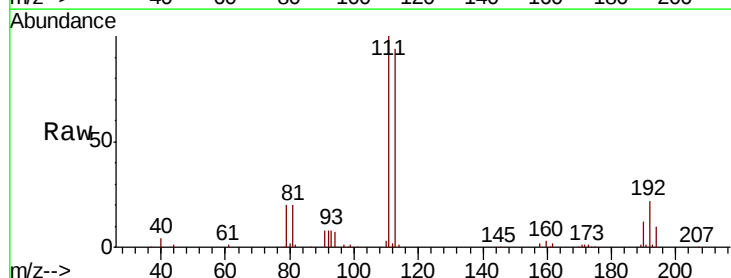
Tgt Ion:113 Resp: 207108

Ion Ratio Lower Upper

113 100

111 103.6 79.4 119.2

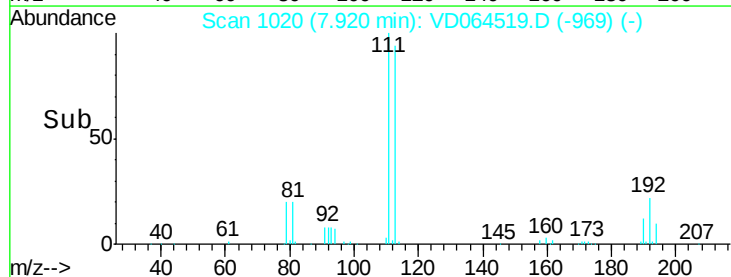
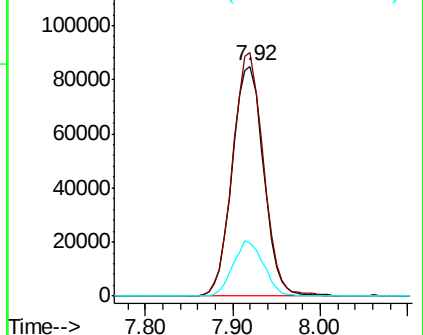
192 23.4 18.6 28.0

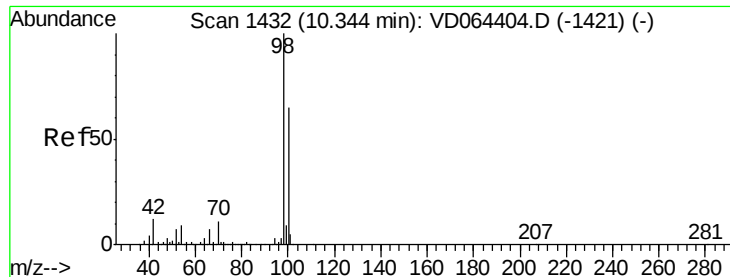


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.697 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064519.D

Acq: 16 Dec 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

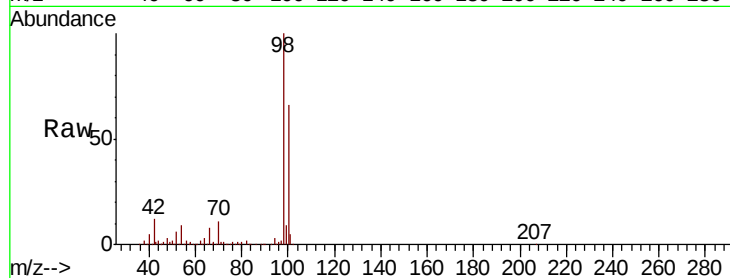
VD1216SBL01

Tgt Ion: 98 Resp: 821134

Ion Ratio Lower Upper

98 100

100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

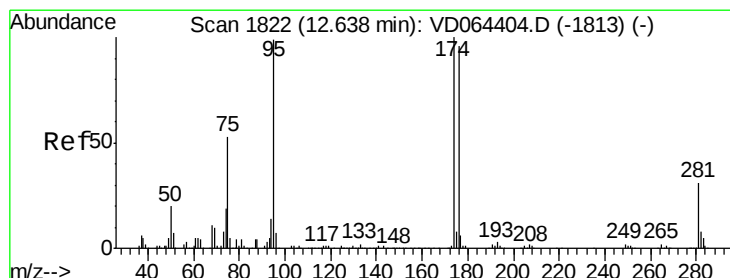
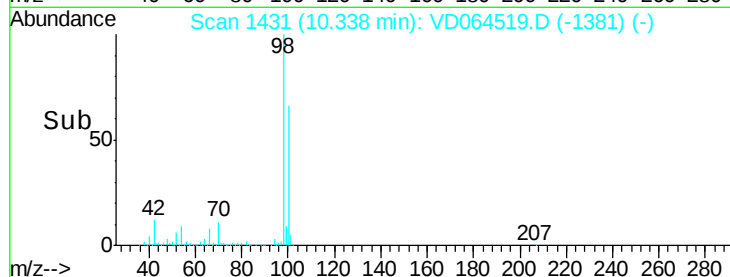
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.420 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064519.D

Acq: 16 Dec 2019 12:04

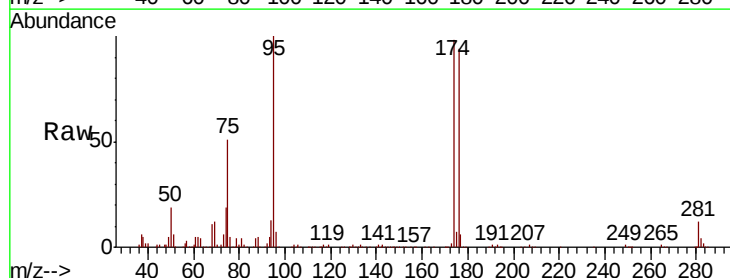
Tgt Ion: 95 Resp: 283269

Ion Ratio Lower Upper

95 100

174 97.5 0.0 197.2

176 93.3 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

200000

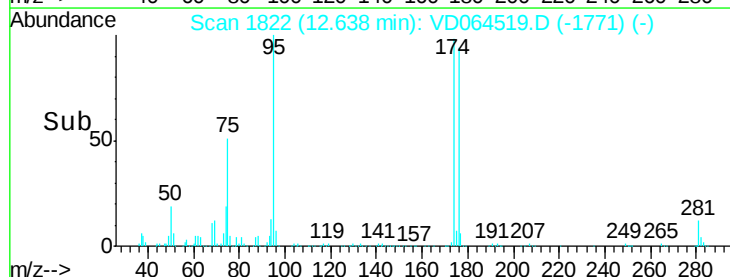
150000

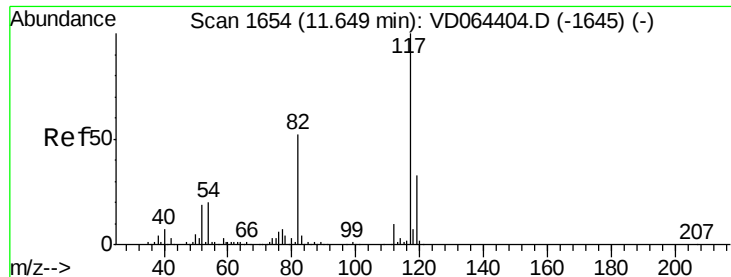
100000

50000

0

Time-->

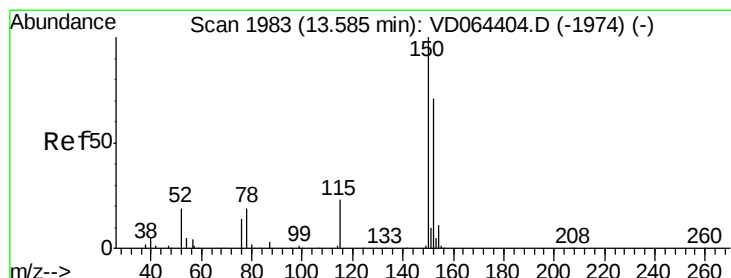
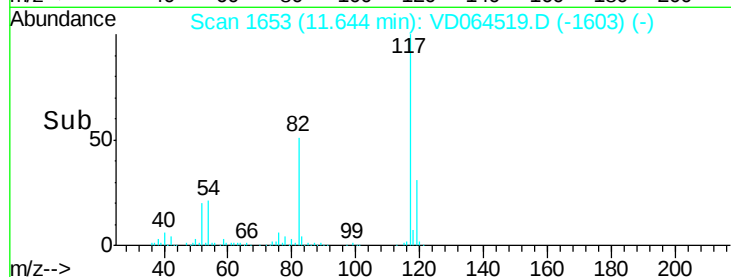
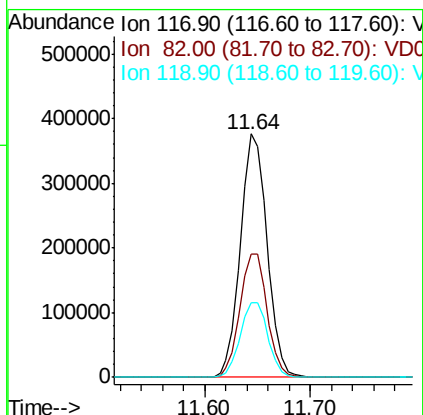
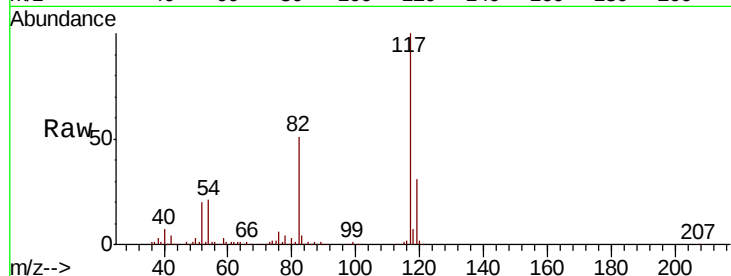




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

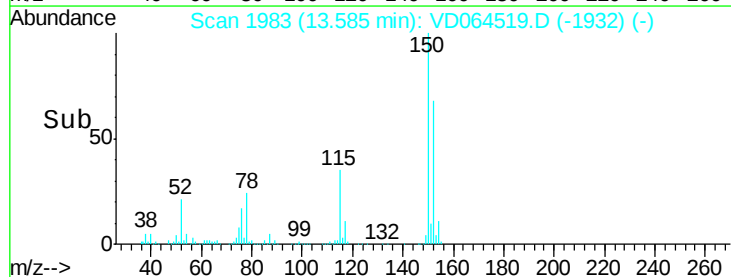
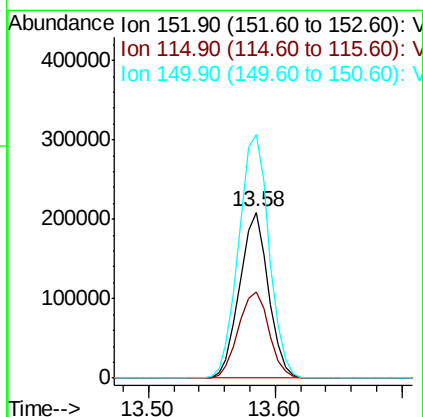
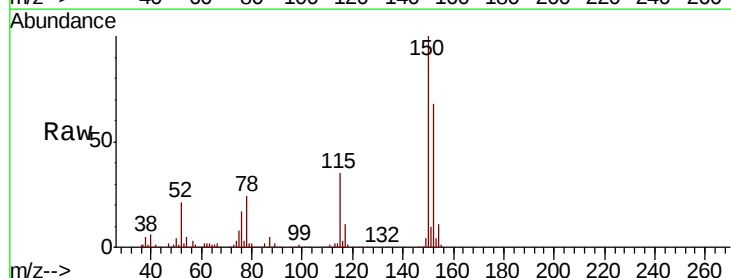
Instrument :
MSVOA_D
ClientSampleId :
VD1216SBL01

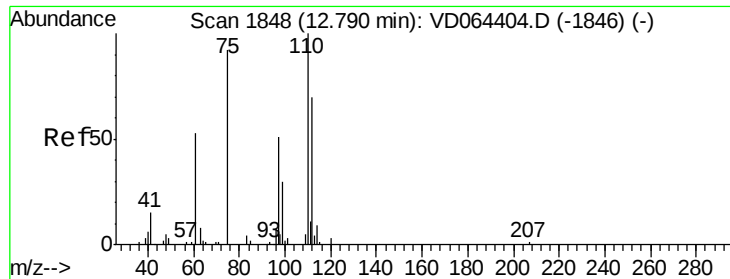
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.4	62.2
119	30.8	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064519.D
Acq: 16 Dec 2019 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	26.7	80.1
150	155.5	0.0	347.2





#76

1,2,3-Trichloropropane

Concen: 55.881 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064519.D

Acq: 16 Dec 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

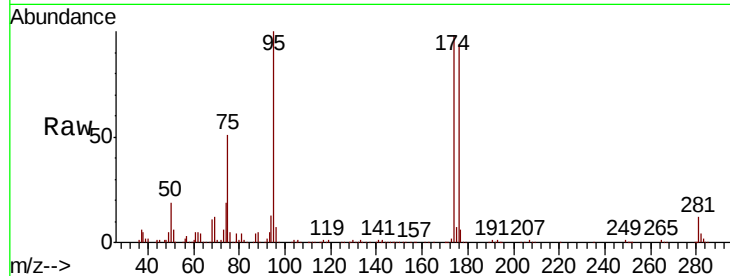
VD1216SBL01

Tgt Ion: 75 Resp: 151045

Ion Ratio Lower Upper

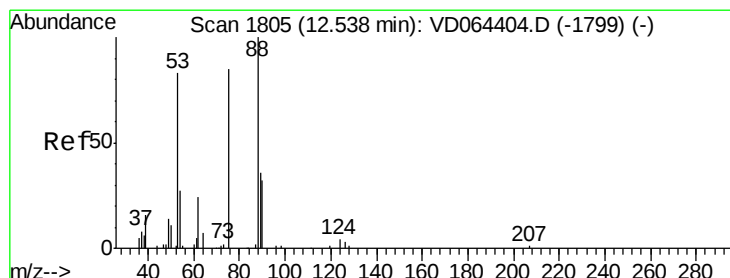
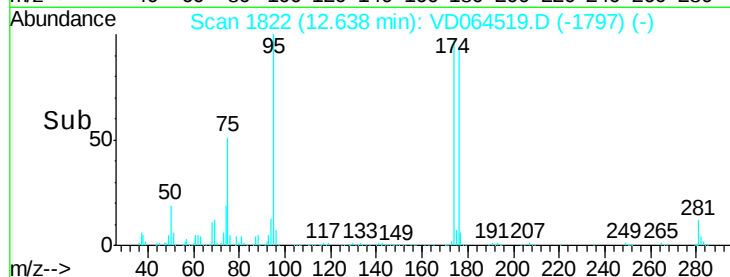
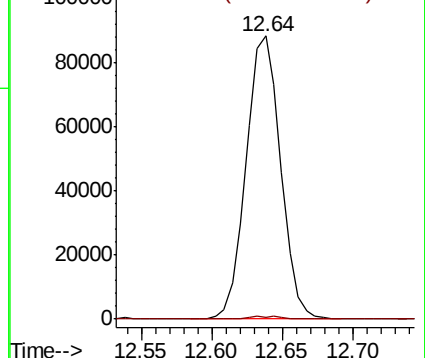
75 100

77 1.0 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: 121.849 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064519.D

Acq: 16 Dec 2019 12:04

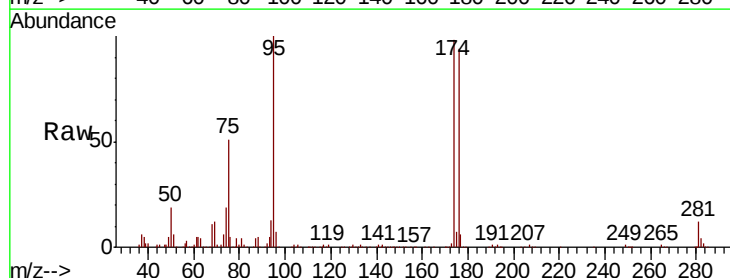
Tgt Ion: 75 Resp: 151045

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

