

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064685.D
 Acq On : 31 Dec 2019 10:17
 Operator : VA/SY
 Sample : VD1231SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBL01

Quant Time: Jan 01 00:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	364476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	554055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	469224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212902	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	163873	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
35) Dibromofluoromethane	7.91	113	170118	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
50) Toluene-d8	10.34	98	649901	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.64	95	189057	45.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.86%	

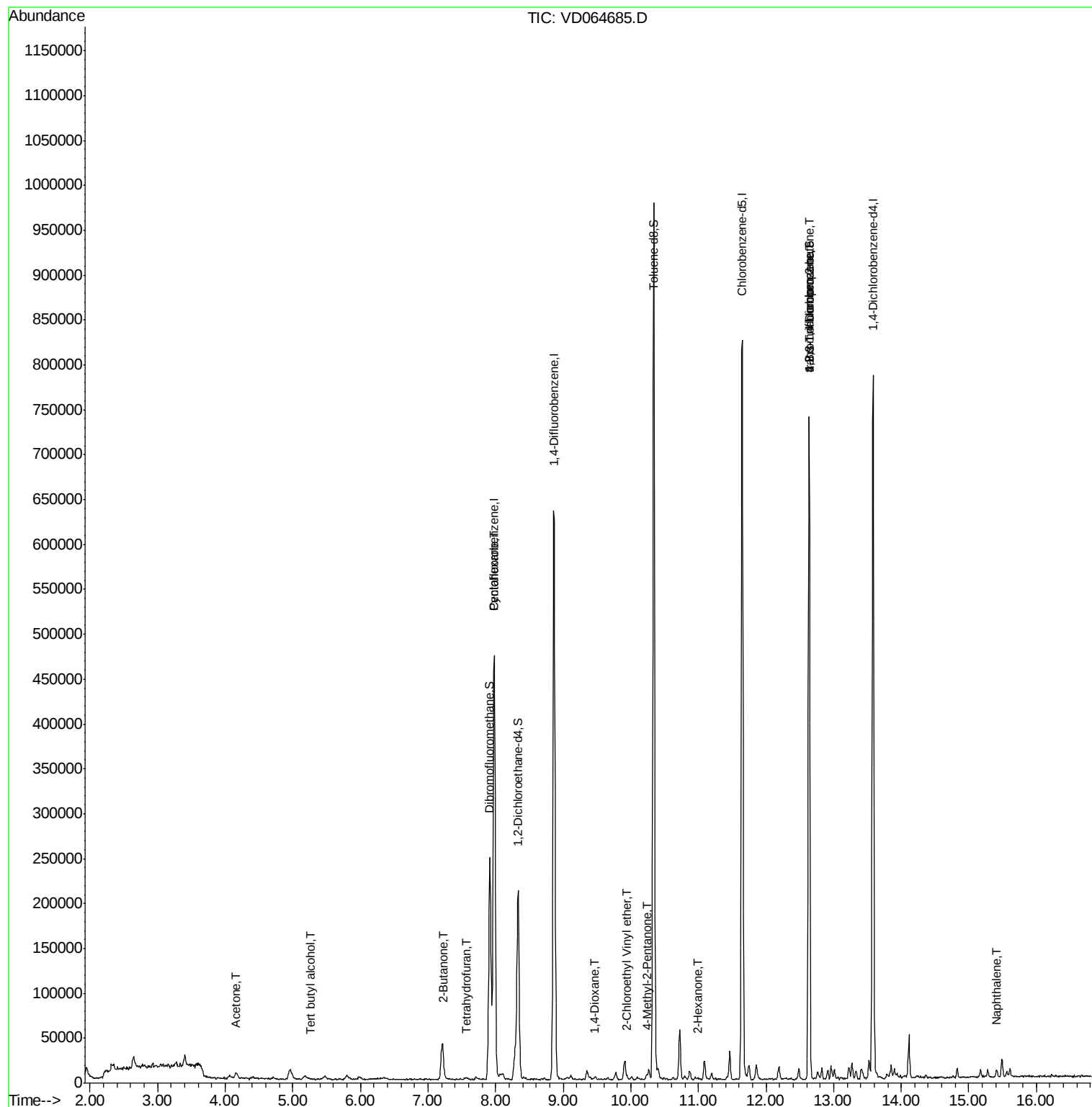
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.27	59	367	1.993	ug/l #	70
16) Acetone	4.16	43	12428	20.422	ug/l	92
20) Methylene Chloride	4.96	84	8047	Below Cal		91
25) 2-Butanone	7.23	43	4589	5.195	ug/l	94
29) Tetrahydrofuran	7.57	42	913	1.662	ug/l #	64
31) Cyclohexane	7.97	56	10927	1.823	ug/l #	38
49) 1,4-Dioxane	9.46	88	122	5.460	ug/l #	74
51) 4-Methyl-2-Pentanone	10.23	43	3672	1.782	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.95	63	1257	1.012	ug/l	90
59) 2-Hexanone	10.98	43	1736	1.241	ug/l	70
76) 1,2,3-Trichloropropane	12.64	75	103969	61.842	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103969	129.340	ug/l #	10
95) Naphthalene	15.41	128	7763	1.097	ug/l #	94

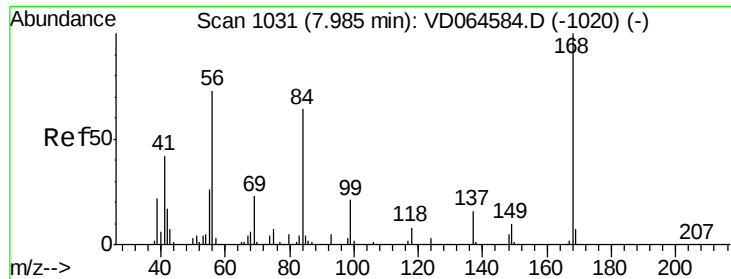
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064685.D

Acq: 31 Dec 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

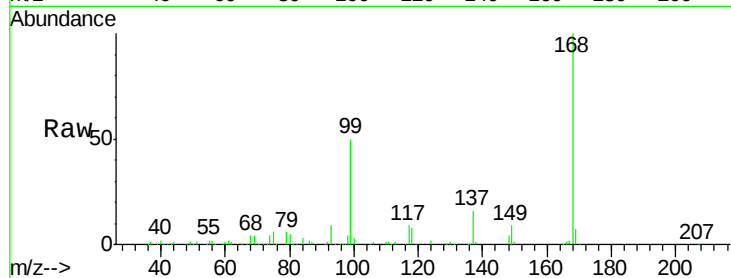
VD1231SBL01

Tgt Ion:168 Resp: 364476

Ion Ratio Lower Upper

168 100

99 50.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

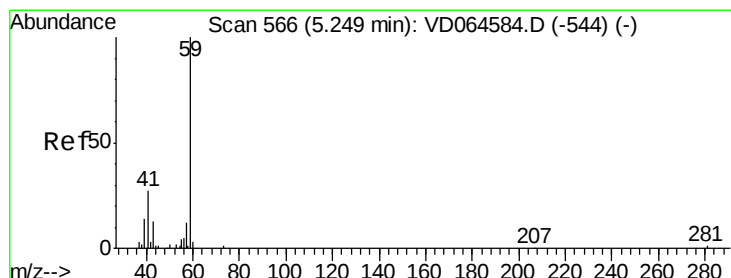
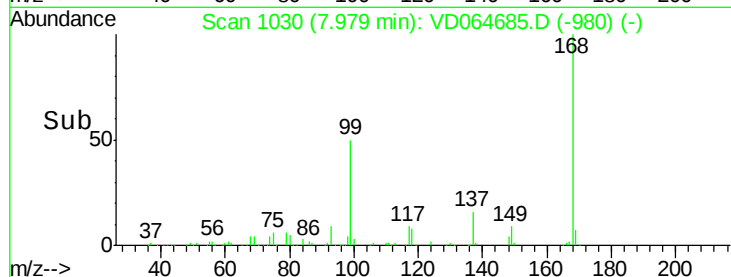
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.993 ug/l

RT: 5.27 min Scan# 569

Delta R.T. 0.02 min

Lab File: VD064685.D

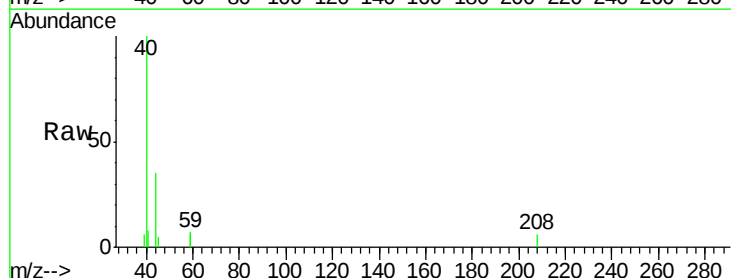
Acq: 31 Dec 2019 10:17

Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

600

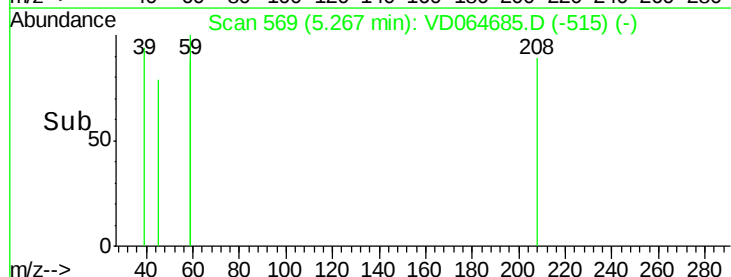
400

200

0

Time-->

5.26 5.28 5.30





#16

Acetone

Concen: 20.422 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064685.D

Acq: 31 Dec 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

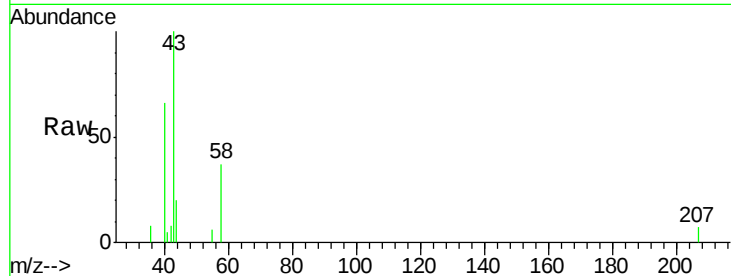
VD1231SBL01

Tgt Ion: 43 Resp: 12428

Ion Ratio Lower Upper

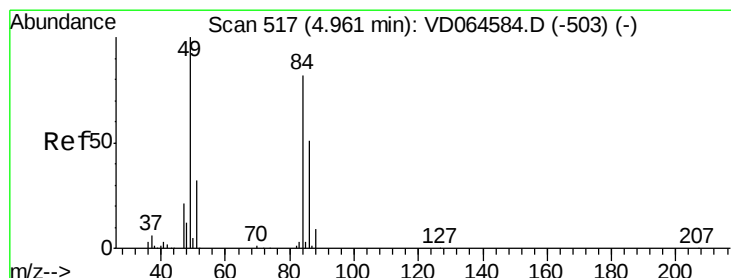
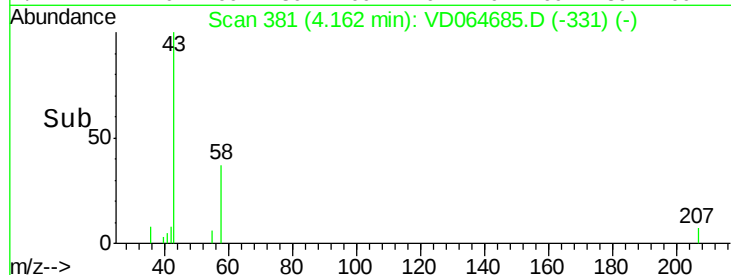
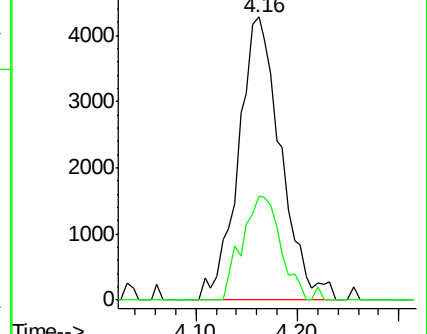
43 100

58 36.9 25.8 38.6



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: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064685.D

Acq: 31 Dec 2019 10:17

Tgt Ion: 84 Resp: 8047

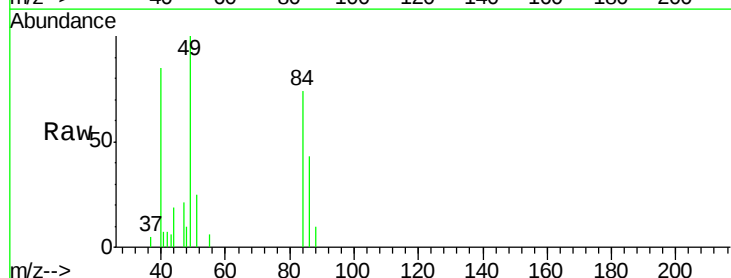
Ion Ratio Lower Upper

84 100

49 134.5 97.2 145.8

51 34.2 31.4 47.0

86 58.4 49.3 73.9

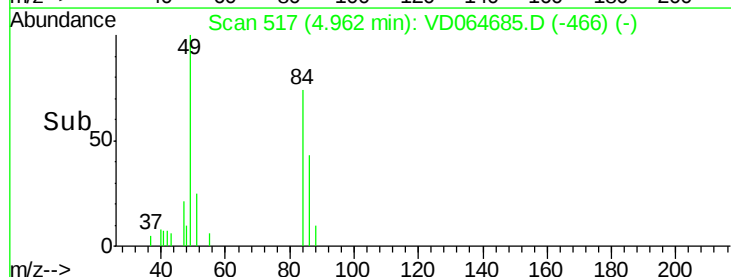
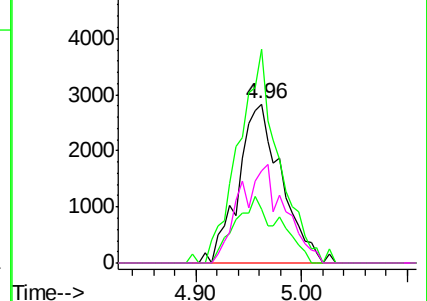


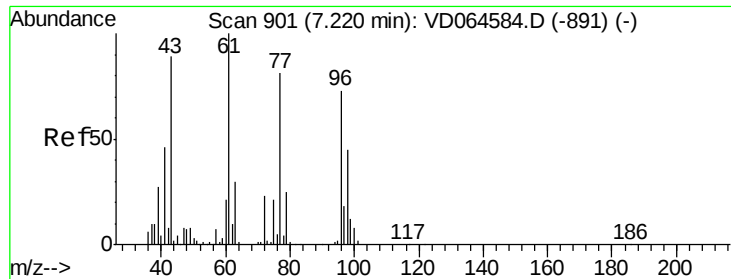
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 5.195 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064685.D

Acq: 31 Dec 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

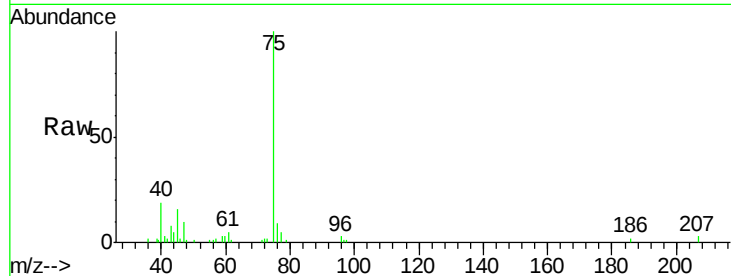
VD1231SBL01

Tgt Ion: 43 Resp: 4589

Ion Ratio Lower Upper

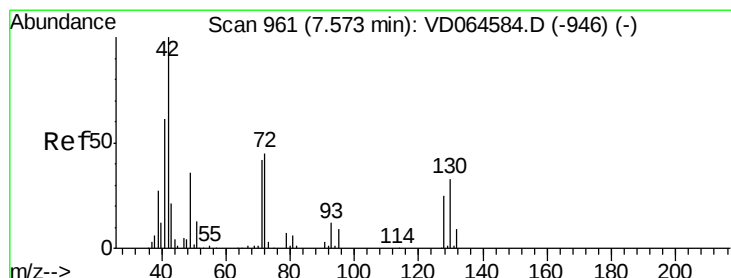
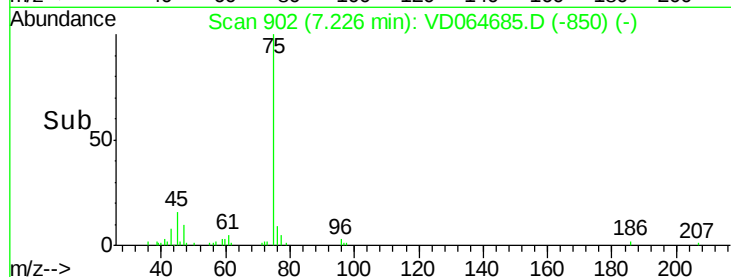
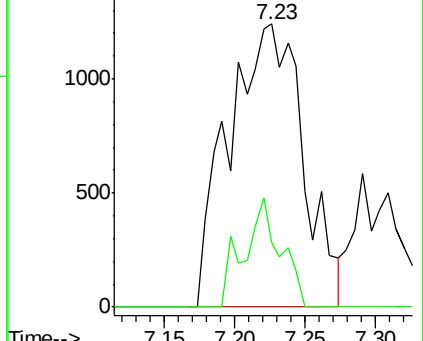
43 100

72 23.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.662 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064685.D

Acq: 31 Dec 2019 10:17

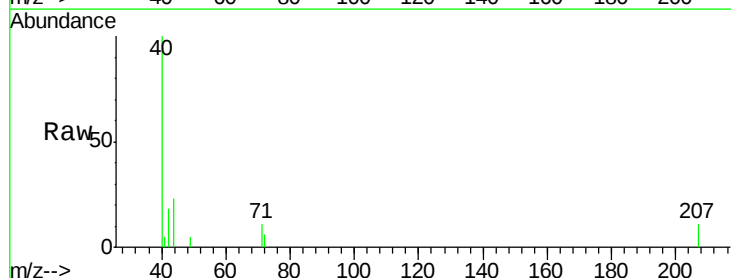
Tgt Ion: 42 Resp: 913

Ion Ratio Lower Upper

42 100

72 7.8 35.0 52.4#

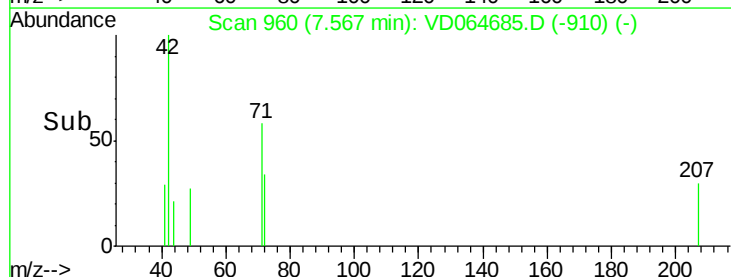
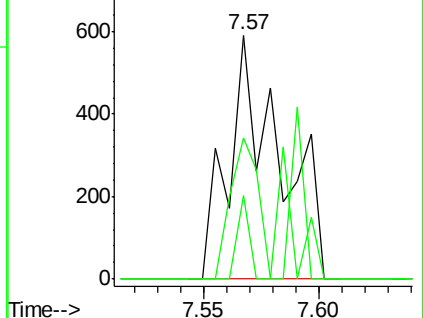
71 31.2 32.9 49.3#

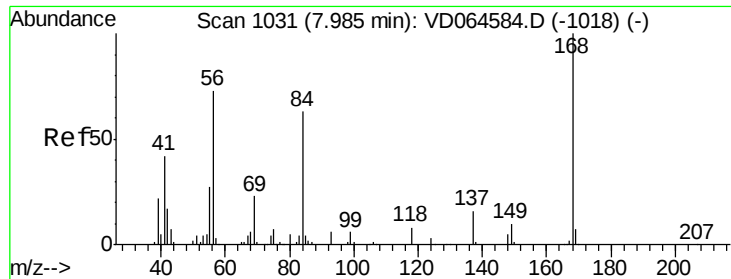


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

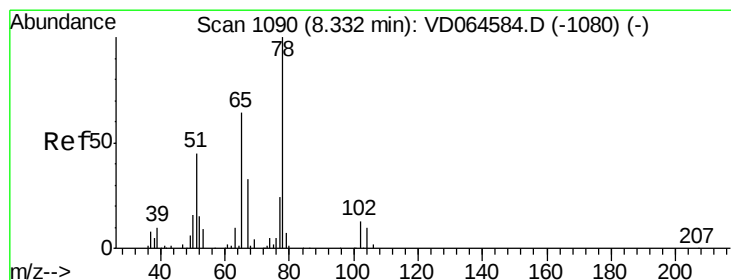
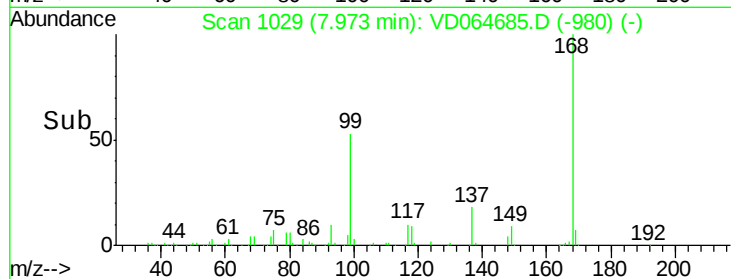
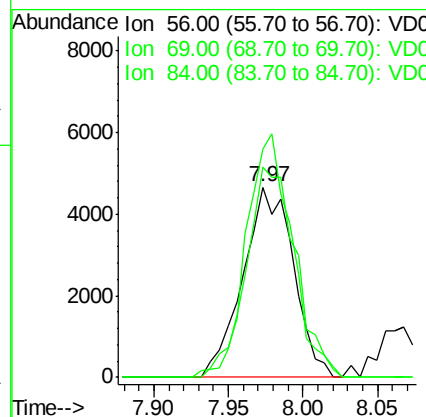
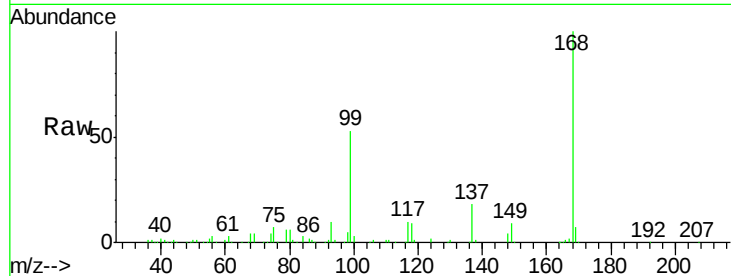




#31
Cyclohexane
Concen: 1.823 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064685.D
Acq: 31 Dec 2019 10:17

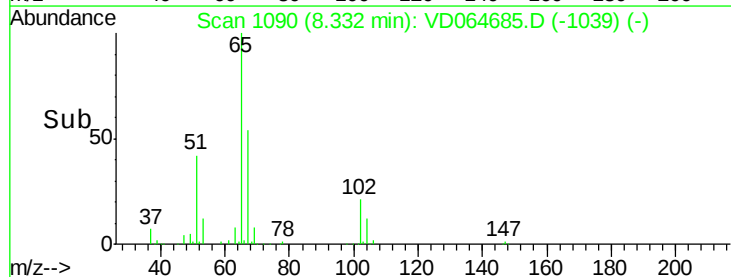
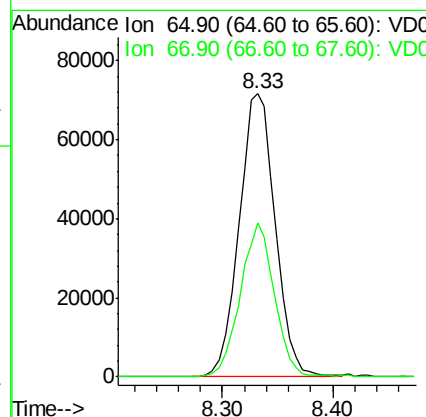
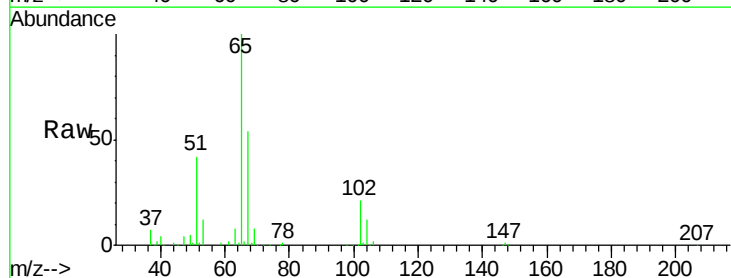
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBL01

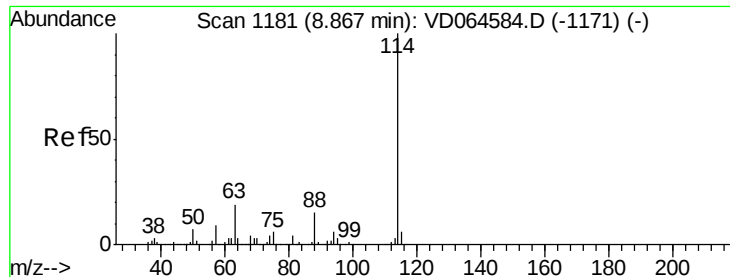
Tgt Ion: 56 Resp: 10927
Ion Ratio Lower Upper
56 100
69 120.2 24.7 37.1#
84 110.6 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 50.989 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064685.D
Acq: 31 Dec 2019 10:17

Tgt Ion: 65 Resp: 163873
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.2

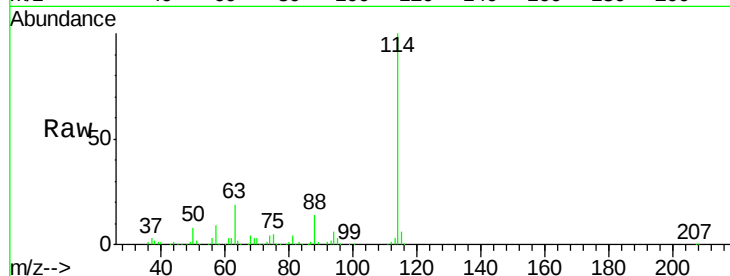




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064685.D
 Acq: 31 Dec 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBL01

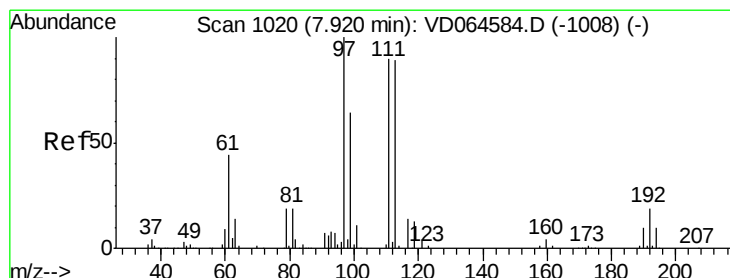
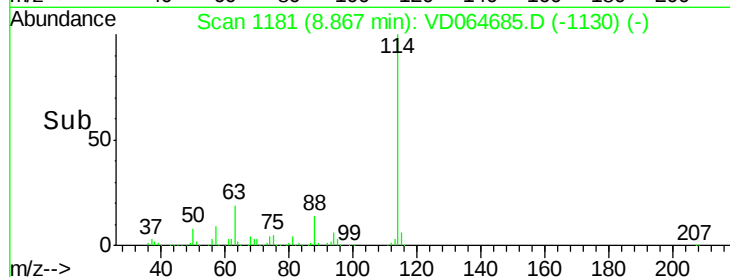
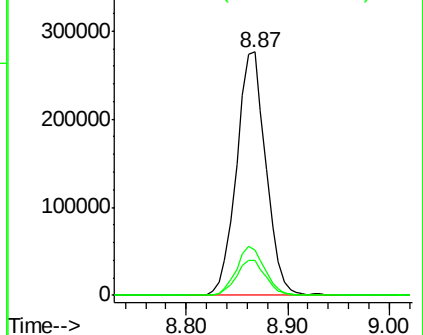
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.0
88	14.3	0.0	29.2



Abundance Ion 113.90 (113.60 to 114.60): V

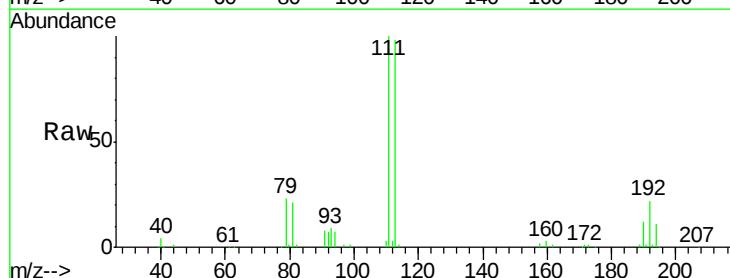
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.046 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064685.D
 Acq: 31 Dec 2019 10:17

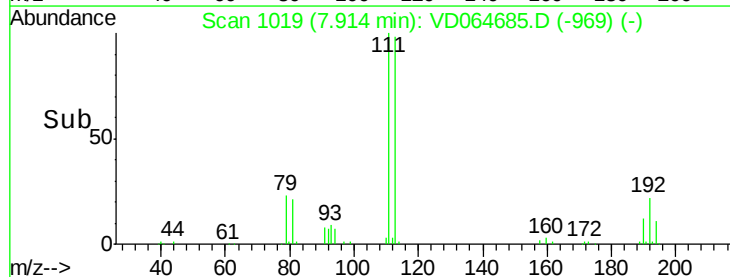
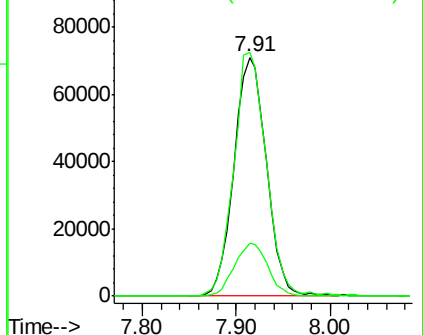
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.6	121.0
192	22.8	17.9	26.9

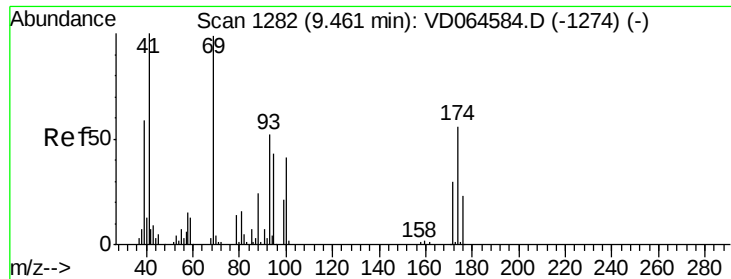


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

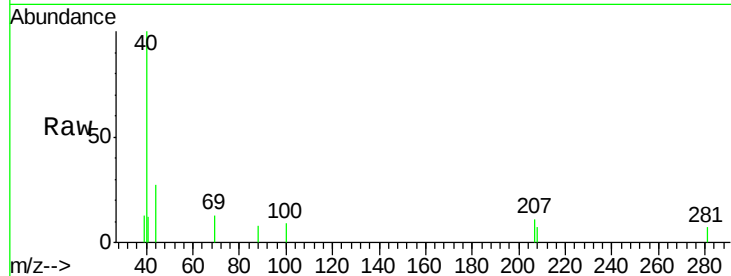




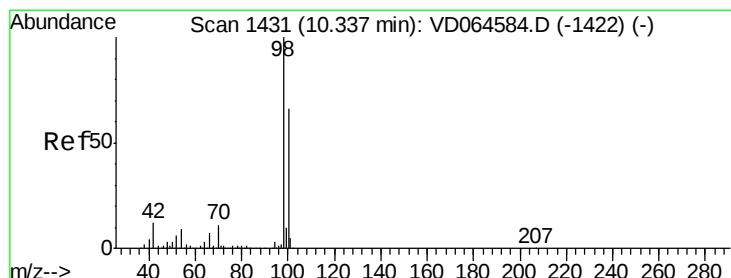
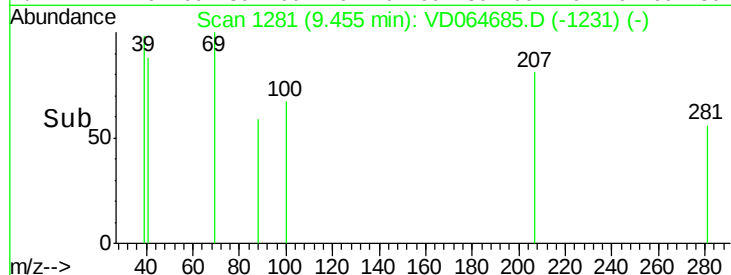
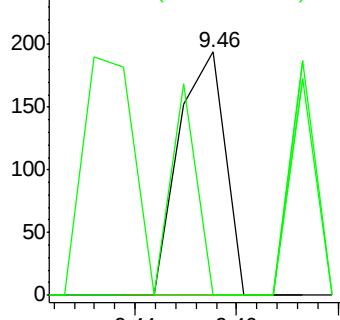
#49
 1,4-Dioxane
 Concen: 5.460 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD064685.D
 Acq: 31 Dec 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBL01

Tgt Ion: 88 Resp: 122
 Ion Ratio Lower Upper
 88 100
 43 54.1 27.7 41.5#
 58 50.0 53.8 80.6#

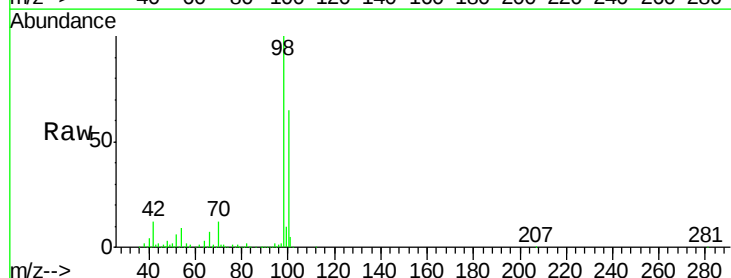


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

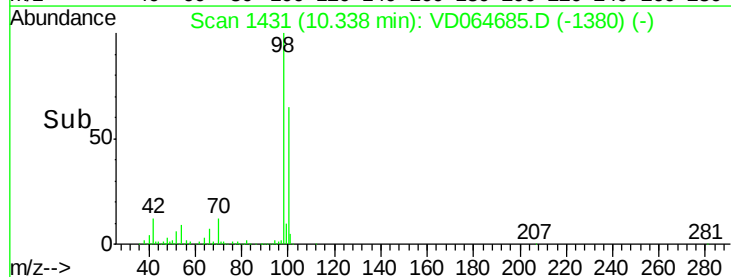
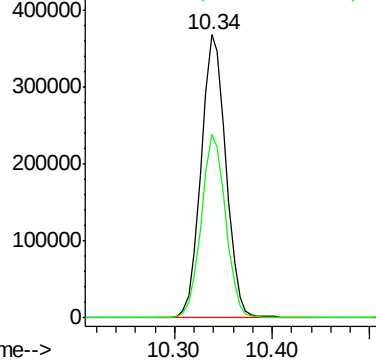


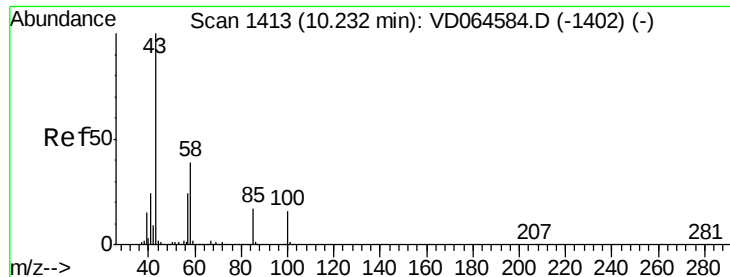
#50
 Toluene-d8
 Concen: 49.921 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064685.D
 Acq: 31 Dec 2019 10:17

Tgt Ion: 98 Resp: 649901
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.7 77.5



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

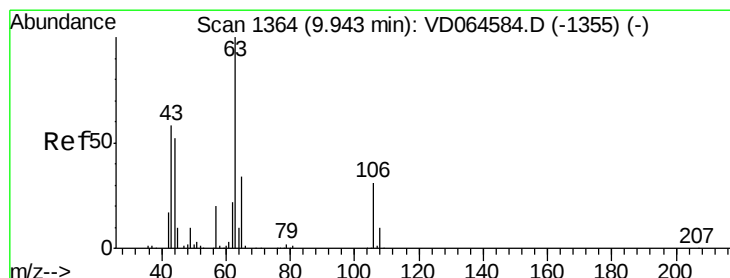
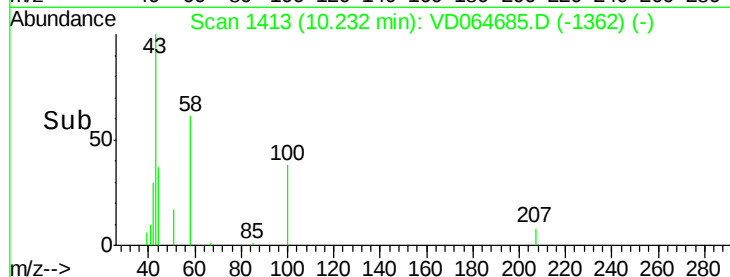
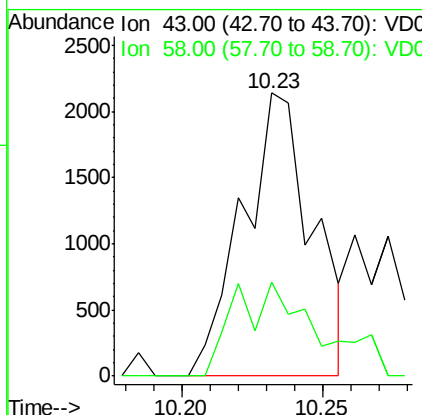
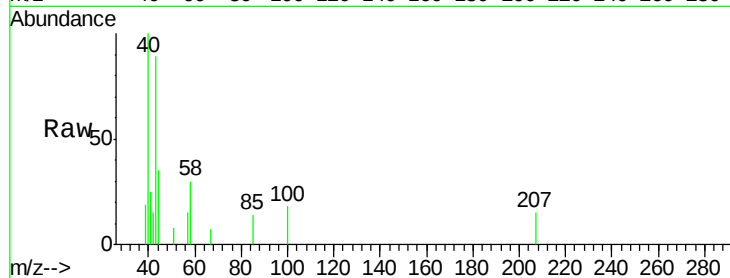




#51
 4-Methyl-2-Pentanone
 Concen: 1.782 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064685.D
 Acq: 31 Dec 2019 10:17

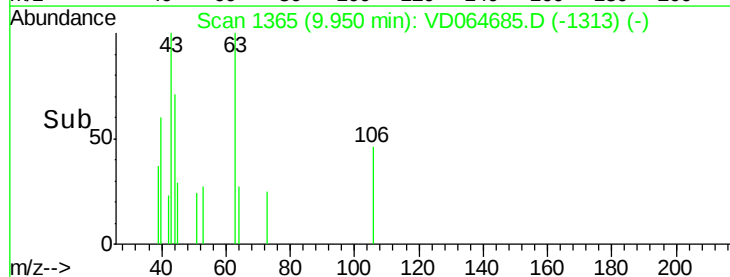
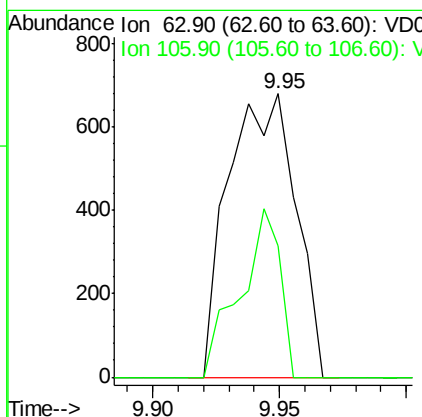
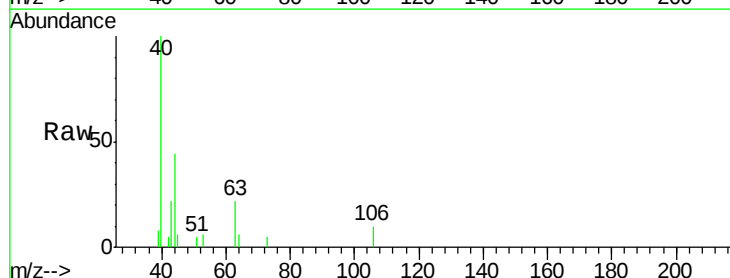
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBL01

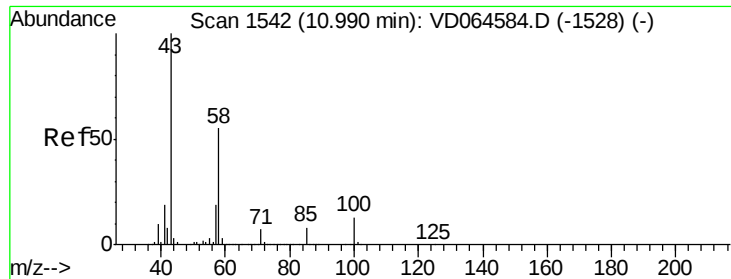
Tgt Ion: 43 Resp: 3672
 Ion Ratio Lower Upper
 43 100
 58 13.2 30.2 45.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.012 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064685.D
 Acq: 31 Dec 2019 10:17

Tgt Ion: 63 Resp: 1257
 Ion Ratio Lower Upper
 63 100
 106 35.4 23.8 35.8

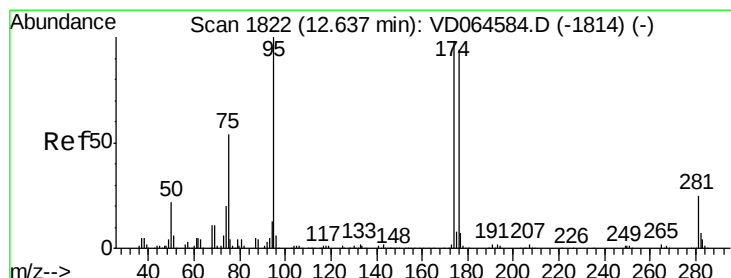
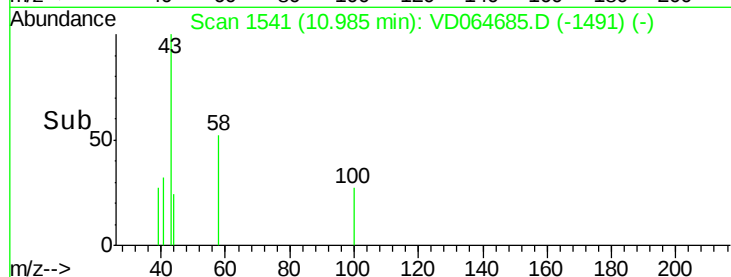
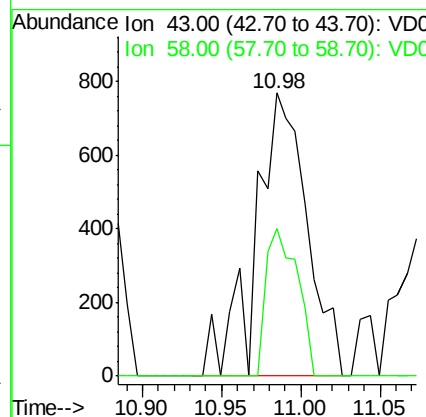
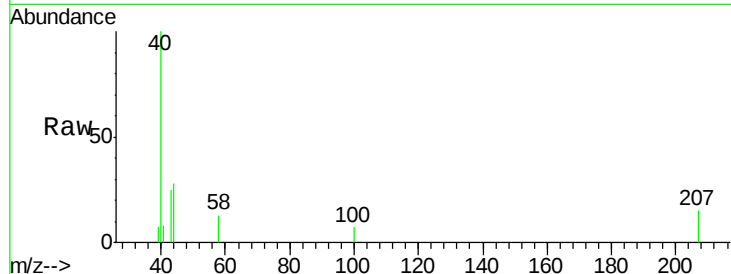




#59
2-Hexanone
Concen: 1.241 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064685.D
Acq: 31 Dec 2019 10:17

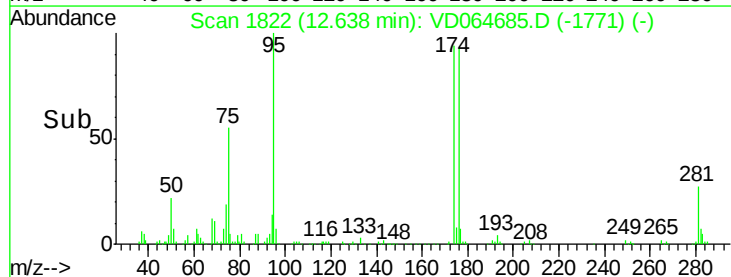
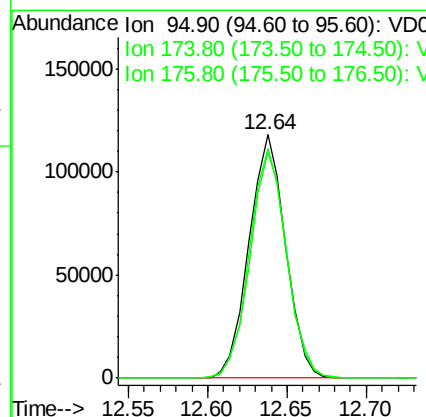
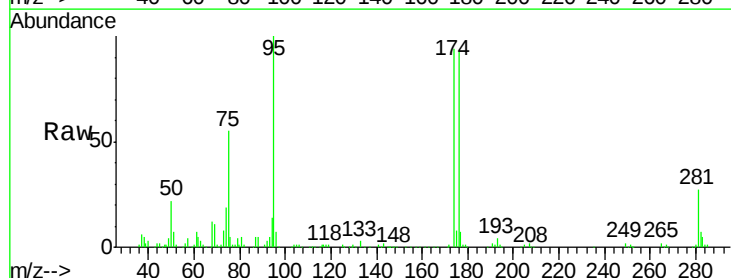
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBL01

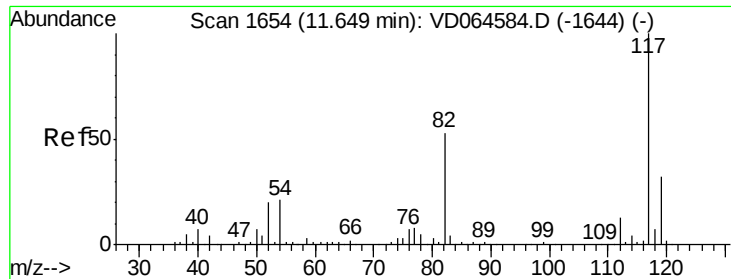
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
58 31.7 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 45.925 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064685.D
Acq: 31 Dec 2019 10:17

Tgt Ion: 95 Resp: 189057
Ion Ratio Lower Upper
95 100
174 95.5 0.0 193.2
176 93.0 0.0 184.2

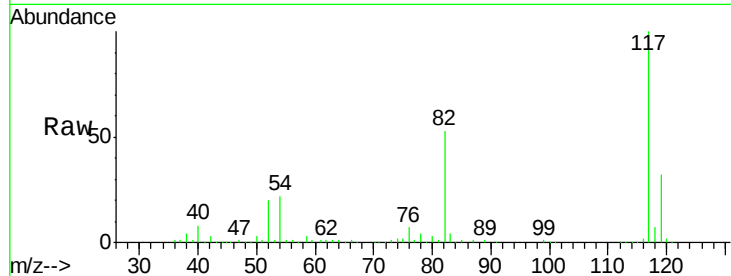




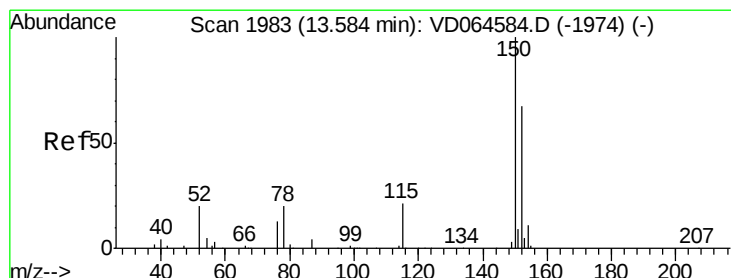
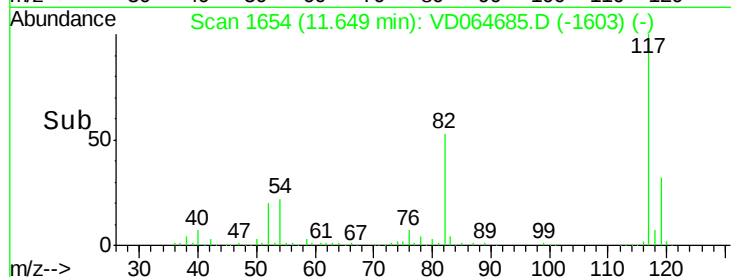
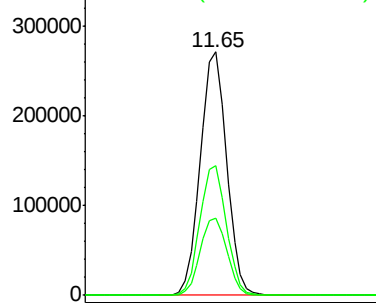
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064685.D
Acq: 31 Dec 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBL01

Tgt Ion:117 Resp: 469224
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 31.6 26.0 39.0

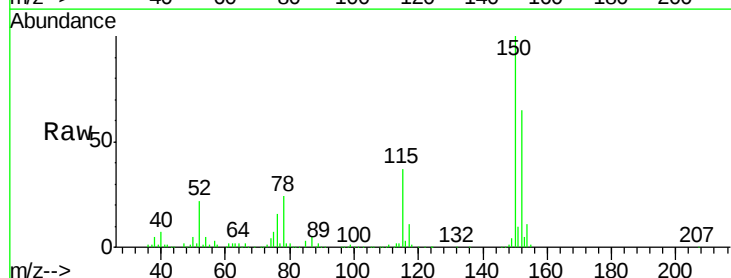


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

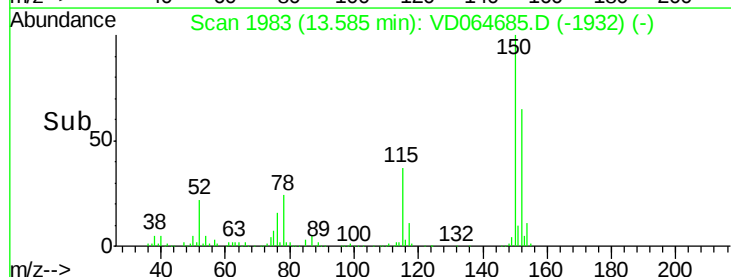
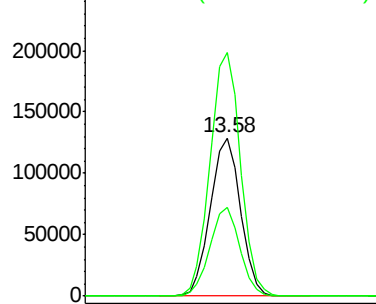


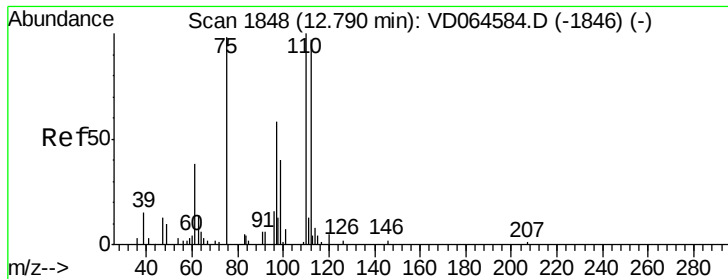
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064685.D
Acq: 31 Dec 2019 10:17

Tgt Ion:152 Resp: 212902
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 154.8 0.0 351.4



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: 61.842 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064685.D

Acq: 31 Dec 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

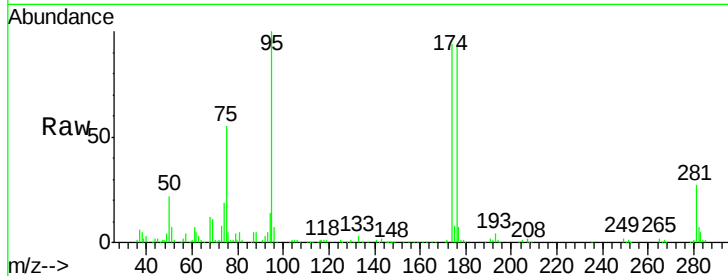
VD1231SBL01

Tgt Ion: 75 Resp: 103969

Ion Ratio Lower Upper

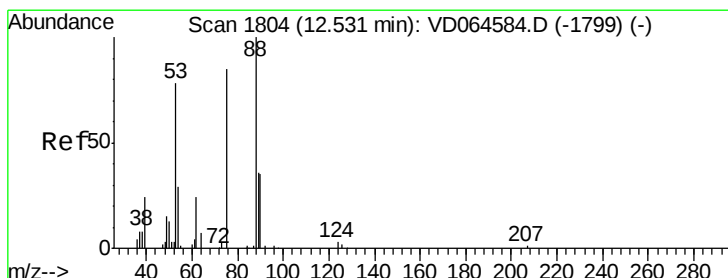
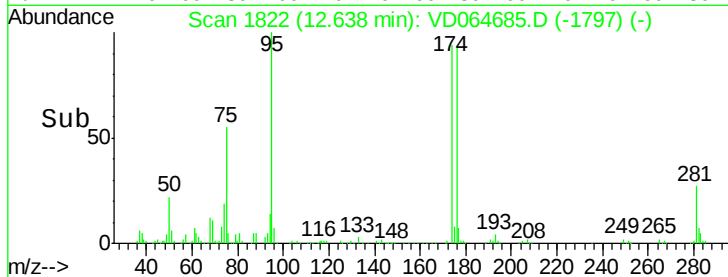
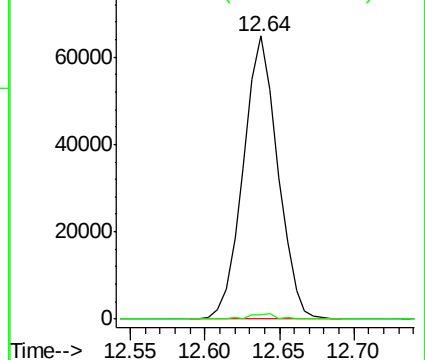
75 100

77 1.5 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: 129.340 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064685.D

Acq: 31 Dec 2019 10:17

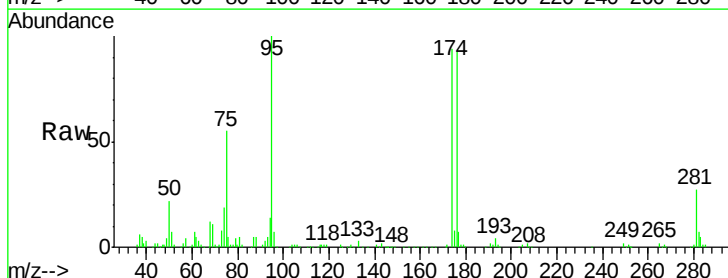
Tgt Ion: 75 Resp: 103969

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

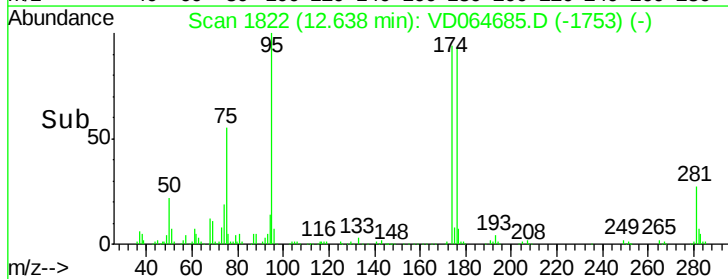
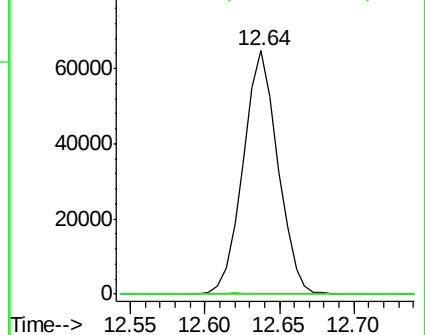
89 0.3 38.3 57.5#

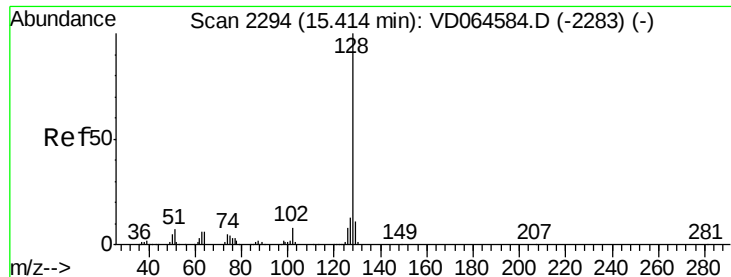


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.097 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064685.D

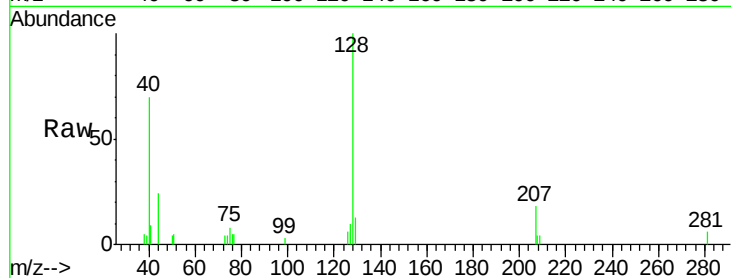
Acq: 31 Dec 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBL01



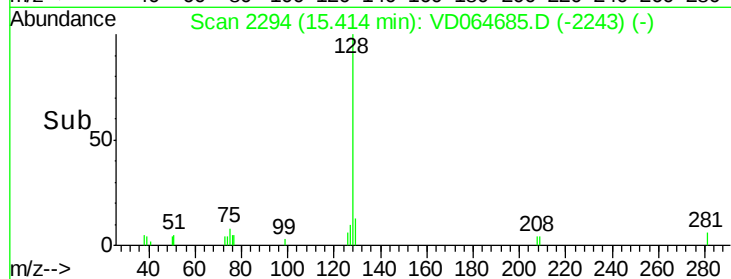
Tgt Ion:128 Resp: 7763

Ion Ratio Lower Upper

128 100

127 9.4 10.3 15.5#

129 11.2 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

