

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064635.D
 Acq On : 27 Dec 2019 10:29
 Operator : VA/SY
 Sample : VD1227SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBL01

Quant Time: Dec 30 00:55:58 2019
 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	526561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	782224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	689037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317479	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	239933	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.34%	
35) Dibromofluoromethane	7.91	113	241755	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
50) Toluene-d8	10.34	98	936095	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.64	95	283815	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	

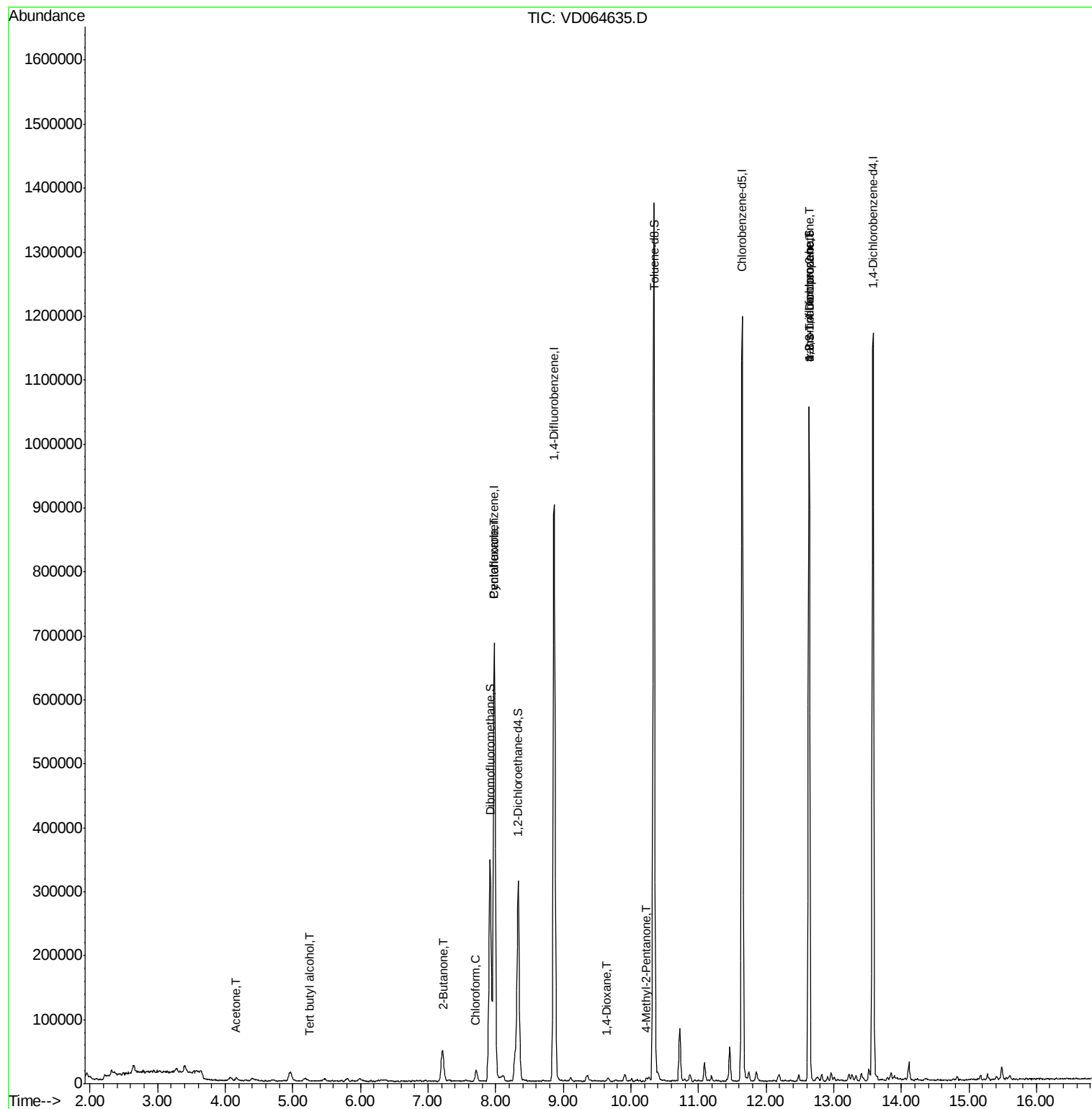
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	822	3.089	ug/l #	70
16) Acetone	4.16	43	7525	10.967	ug/l #	86
20) Methylene Chloride	4.96	84	10700	Below Cal	#	83
25) 2-Butanone	7.23	43	4280	3.353	ug/l #	89
30) Chloroform	7.71	83	14897	1.642	ug/l	87
31) Cyclohexane	7.98	56	14287	1.650	ug/l #	17
49) 1,4-Dioxane	9.64	88	57	1.807	ug/l #	8
51) 4-Methyl-2-Pentanone	10.23	43	4241	1.457	ug/l #	86
76) 1,2,3-Trichloropropane	12.64	75	148711	59.318	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	148711	124.062	ug/l #	10

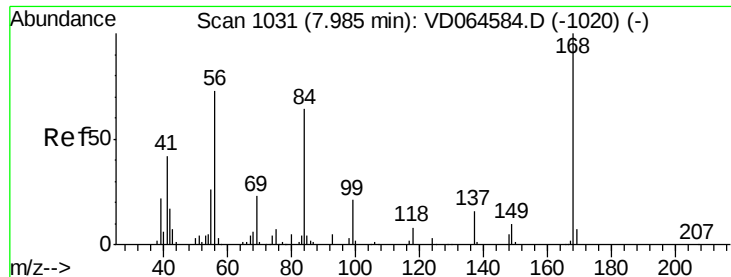
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
Data File : VD064635.D
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Operator : VA/SY
Sample : VD1227SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
VD1227SBL01

Quant Time: Dec 30 00:55:58 2019
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: VD064635.D

Acq: 27 Dec 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

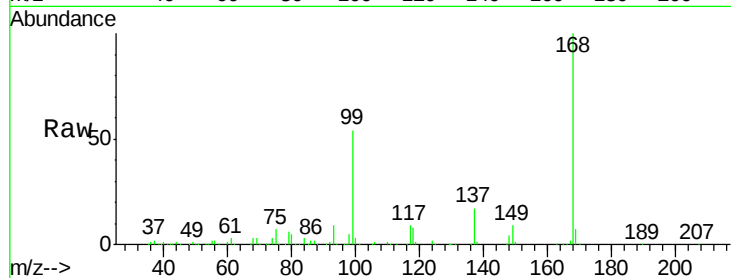
VD1227SBL01

Tgt Ion:168 Resp: 526561

Ion Ratio Lower Upper

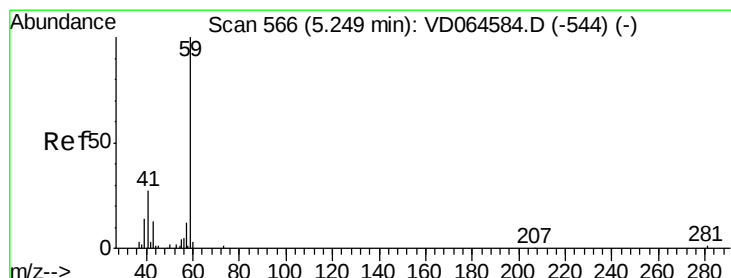
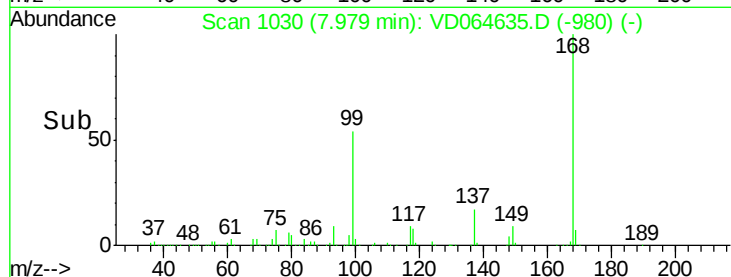
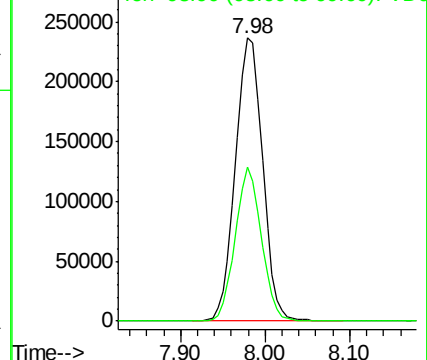
168 100

99 54.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 3.089 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064635.D

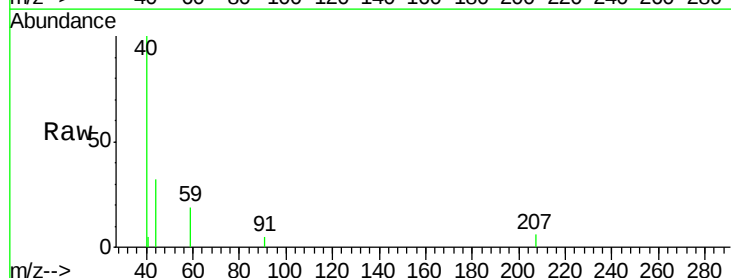
Acq: 27 Dec 2019 10:29

Tgt Ion: 59 Resp: 822

Ion Ratio Lower Upper

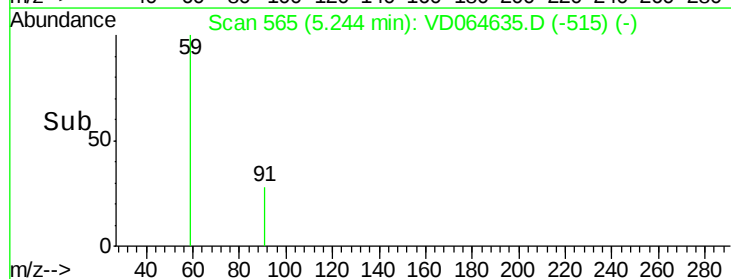
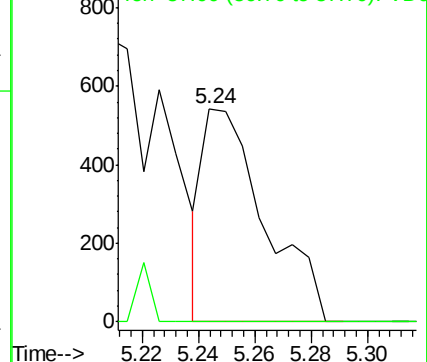
59 100

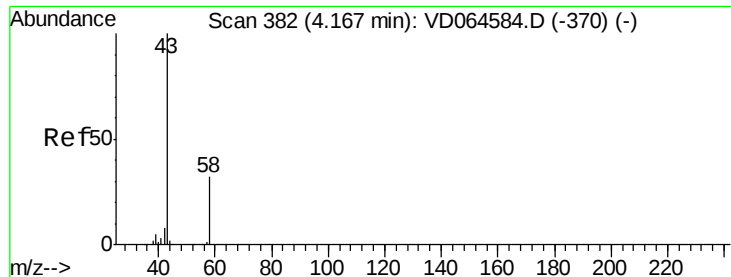
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 10.967 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064635.D

Acq: 27 Dec 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

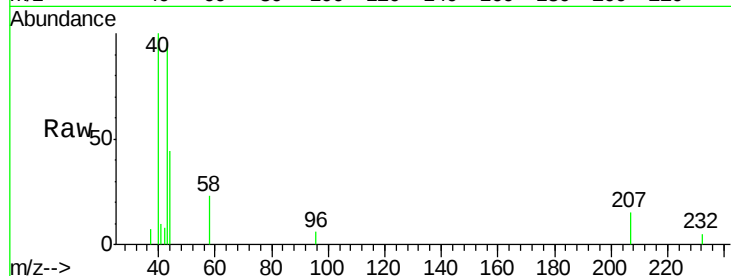
VD1227SBL01

Tgt Ion: 43 Resp: 7525

Ion Ratio Lower Upper

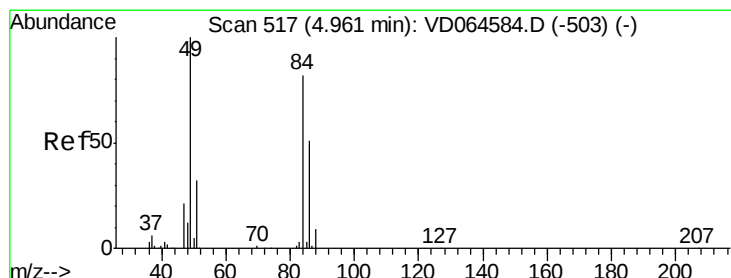
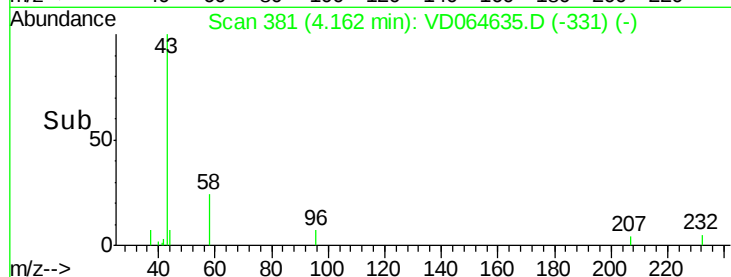
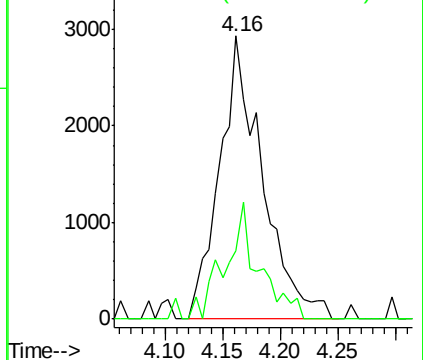
43 100

58 24.3 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: VD064635.D

Acq: 27 Dec 2019 10:29

Tgt Ion: 84 Resp: 10700

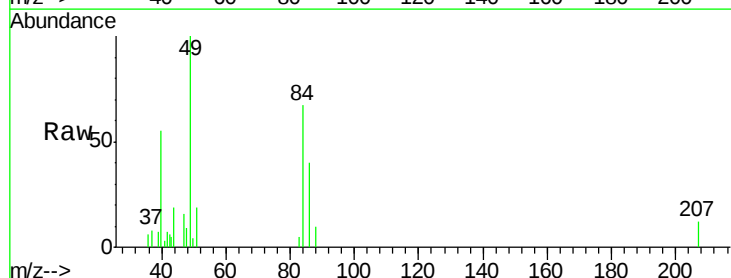
Ion Ratio Lower Upper

84 100

49 148.6 97.2 145.8#

51 28.1 31.4 47.0#

86 59.4 49.3 73.9

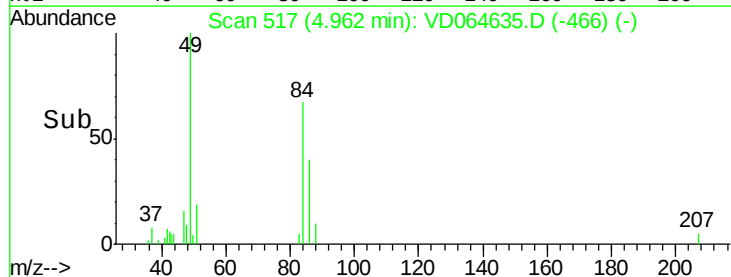
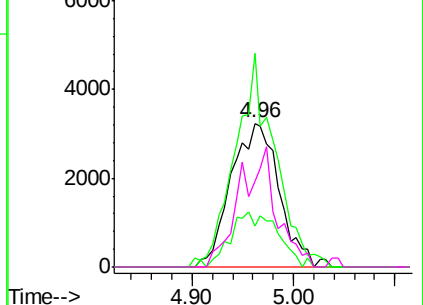


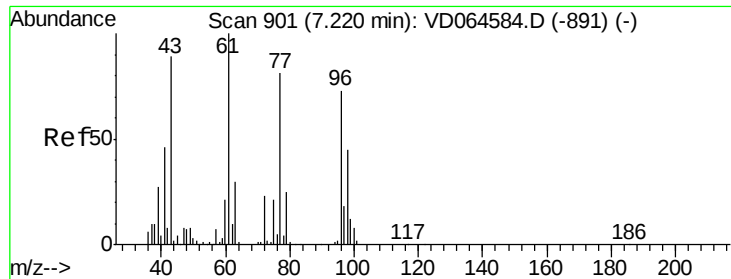
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 3.353 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064635.D

Acq: 27 Dec 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

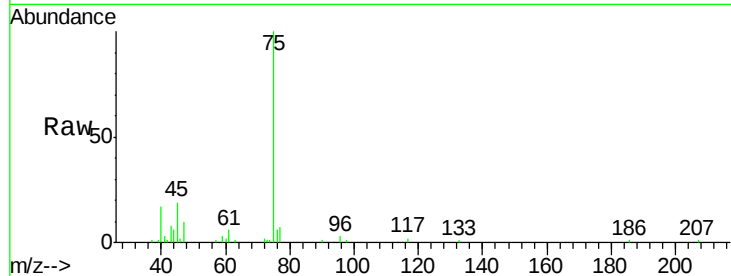
VD1227SBL01

Tgt Ion: 43 Resp: 4280

Ion Ratio Lower Upper

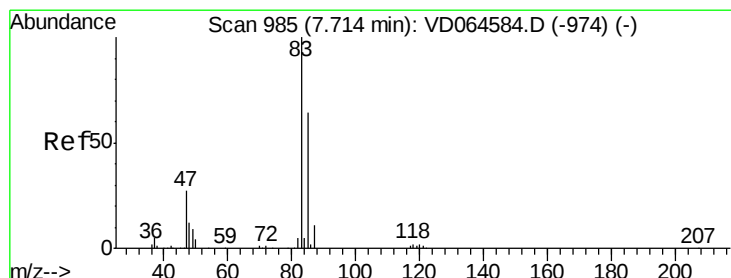
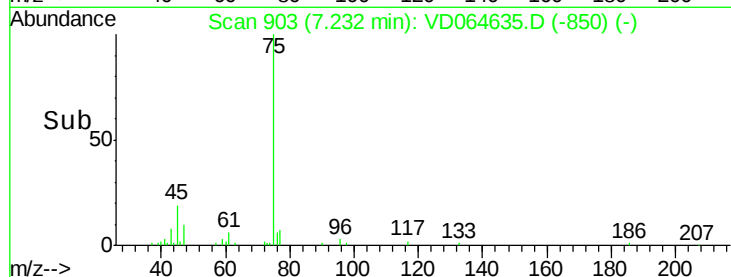
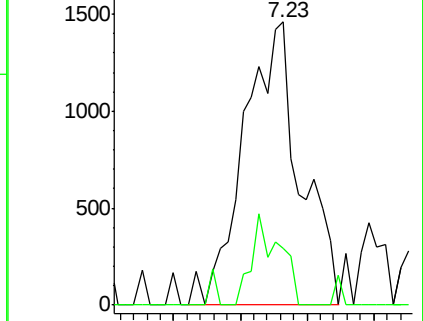
43 100

72 20.3 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 1.642 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064635.D

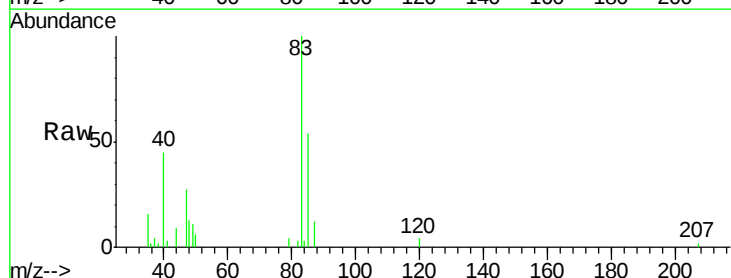
Acq: 27 Dec 2019 10:29

Tgt Ion: 83 Resp: 14897

Ion Ratio Lower Upper

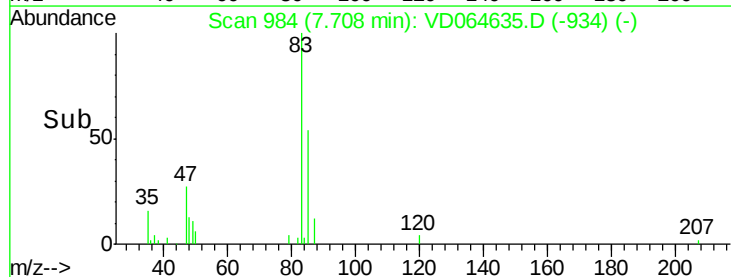
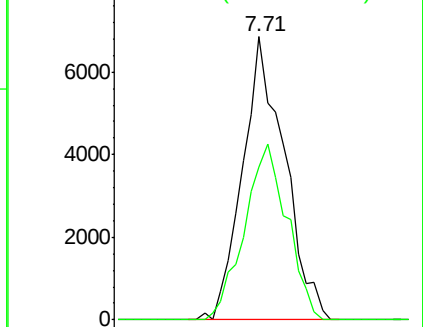
83 100

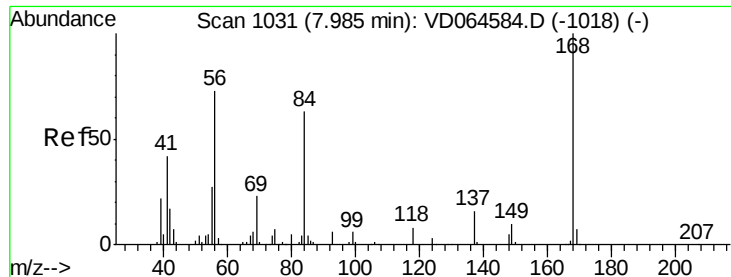
85 54.0 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

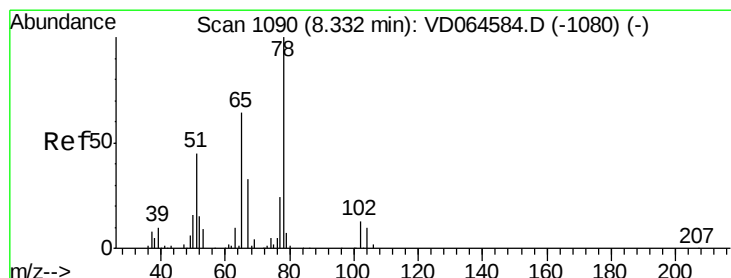
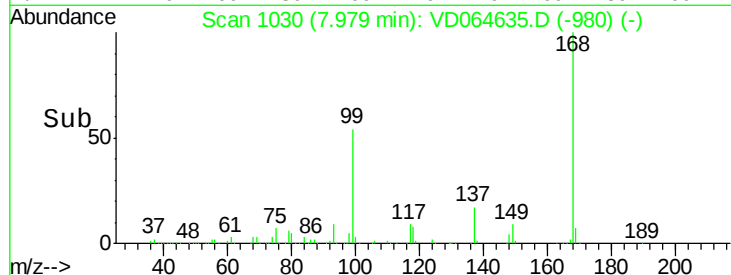
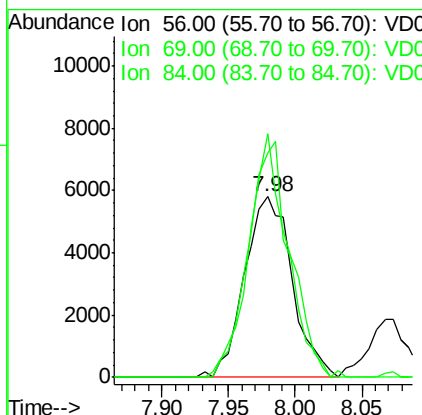
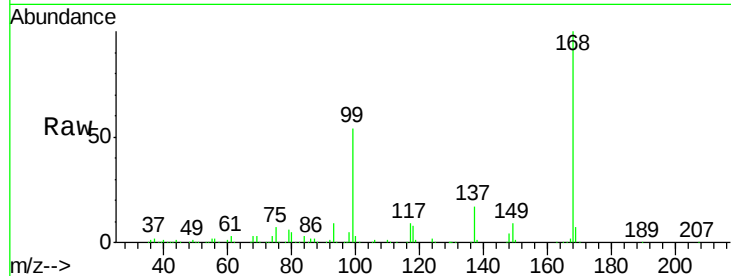




#31
Cyclohexane
Concen: 1.650 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064635.D
Acq: 27 Dec 2019 10:29

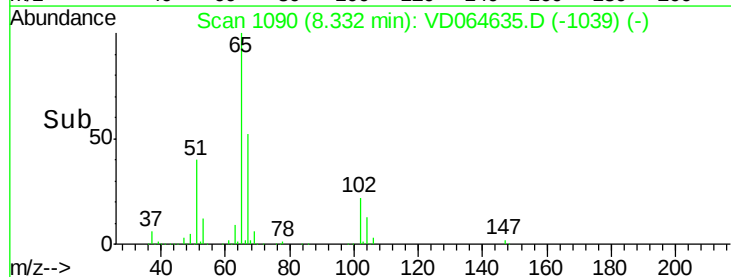
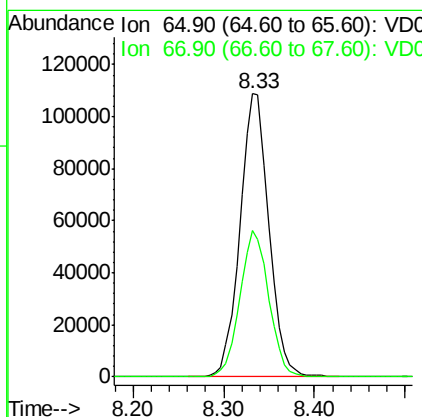
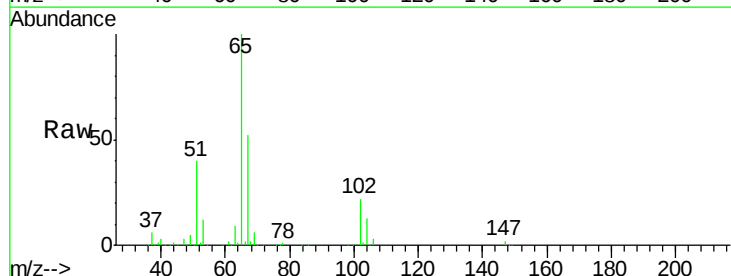
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBL01

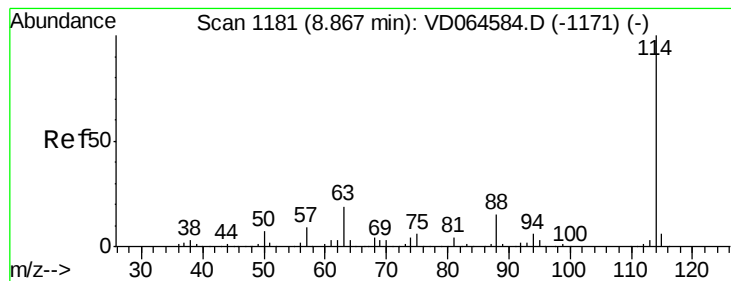
Tgt Ion: 56 Resp: 14287
Ion Ratio Lower Upper
56 100
69 124.4 24.7 37.1#
84 134.9 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 51.675 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064635.D
Acq: 27 Dec 2019 10:29

Tgt Ion: 65 Resp: 239933
Ion Ratio Lower Upper
65 100
67 51.8 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: VD064635.D

Acq: 27 Dec 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL01

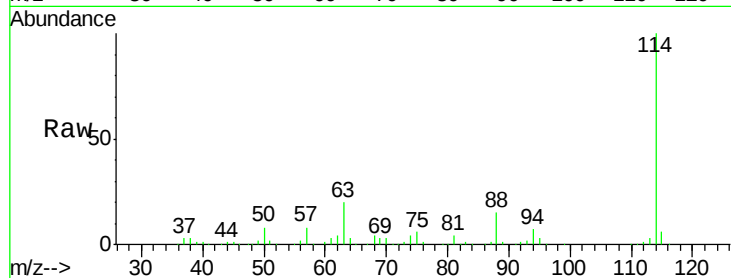
Tgt Ion:114 Resp: 782224

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.0

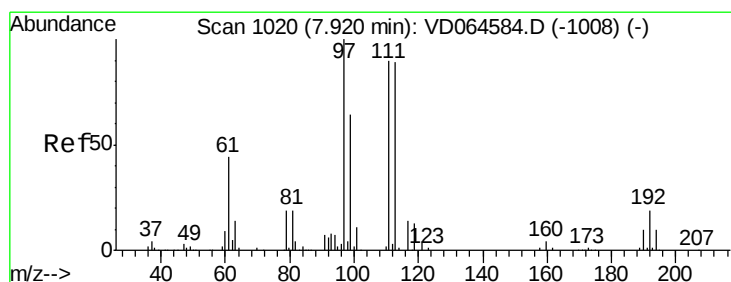
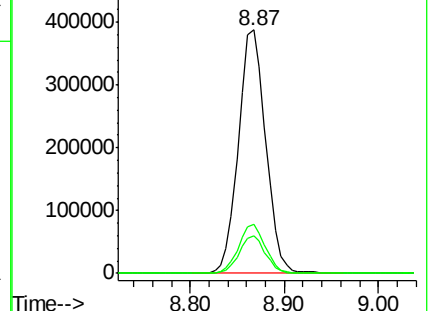
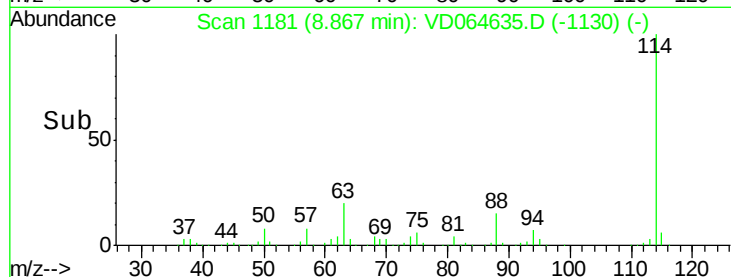
88 15.2 0.0 29.2



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: 50.375 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064635.D

Acq: 27 Dec 2019 10:29

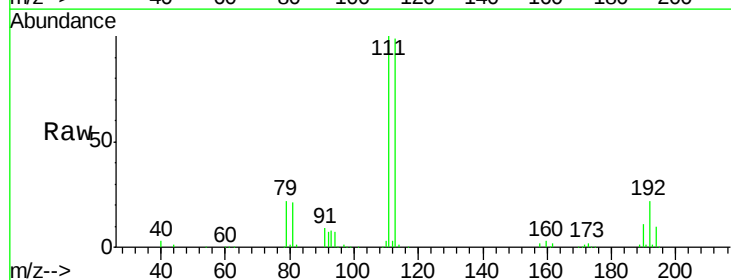
Tgt Ion:113 Resp: 241755

Ion Ratio Lower Upper

113 100

111 102.4 80.6 121.0

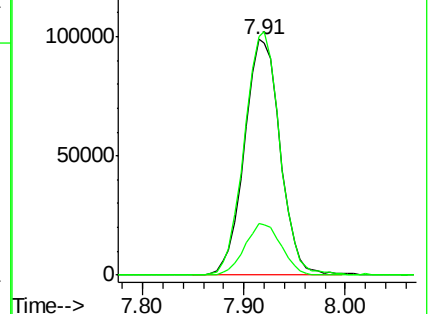
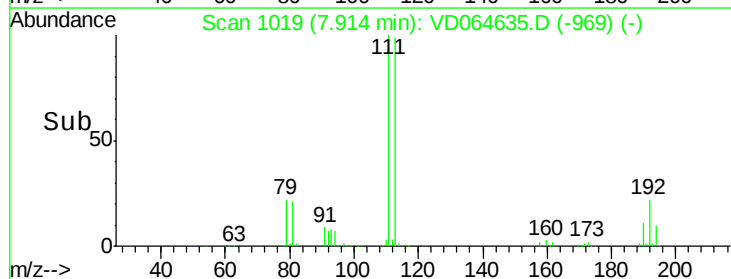
192 22.2 17.9 26.9

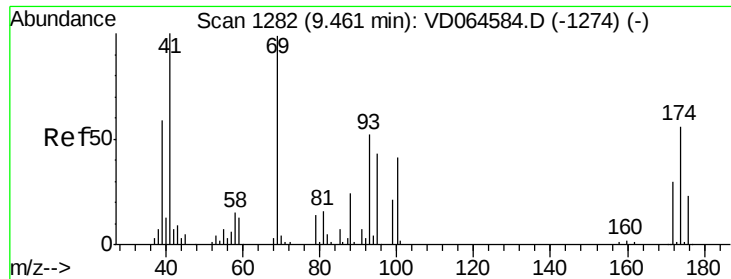


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

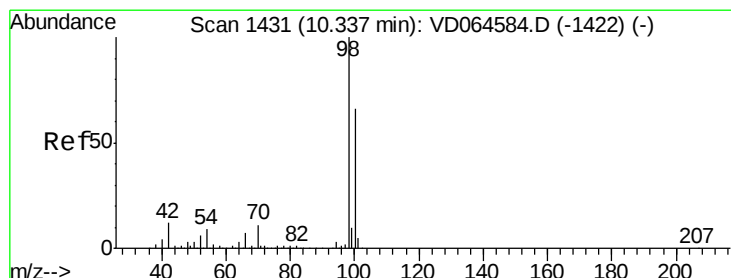
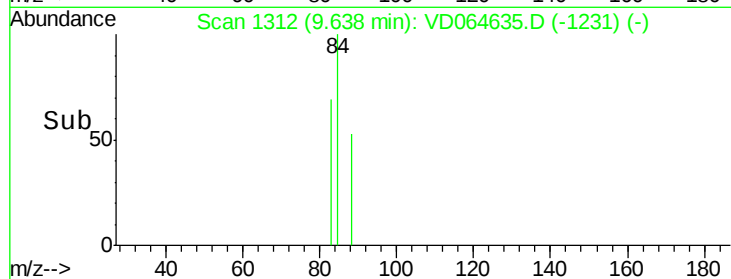
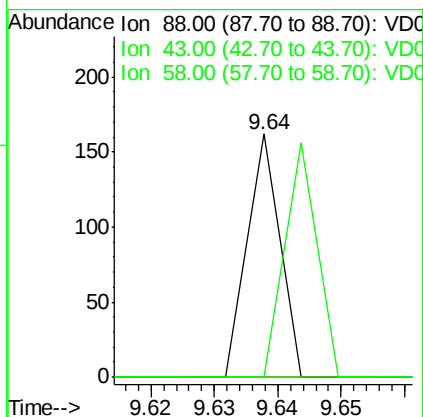
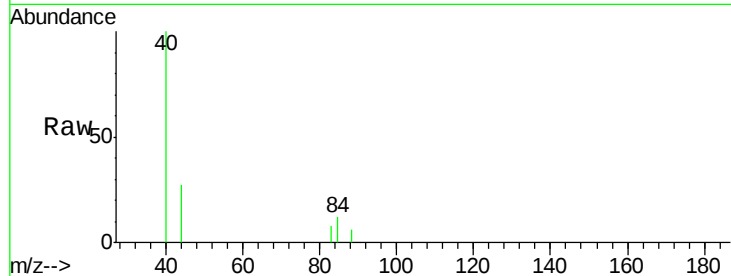




#49
 1,4-Dioxane
 Concen: 1.807 ug/l
 RT: 9.64 min Scan# 1312
 Delta R.T. 0.18 min
 Lab File: VD064635.D
 Acq: 27 Dec 2019 10:29

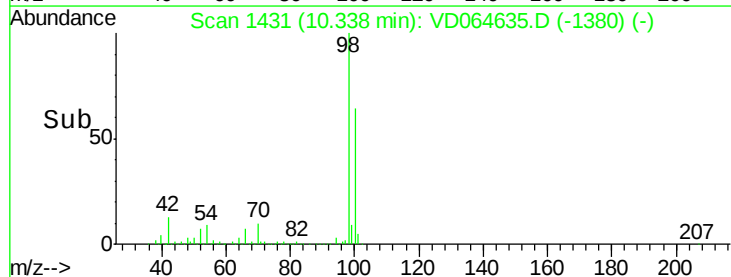
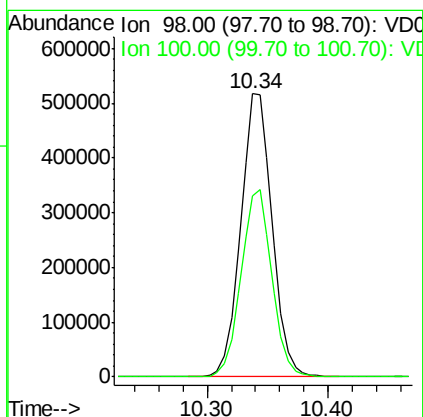
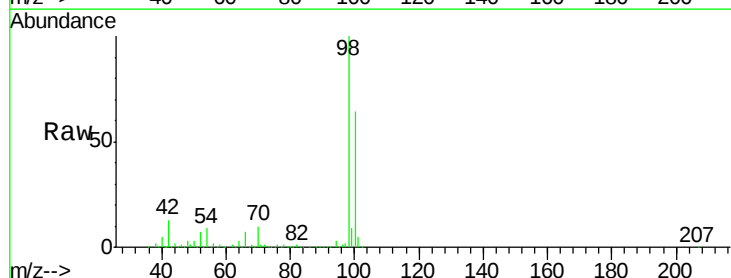
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBL01

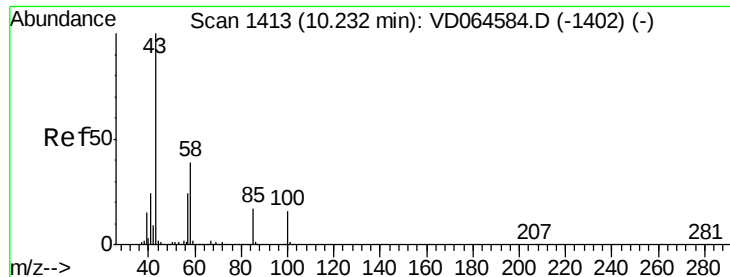
Tgt Ion: 88 Resp: 57
 Ion Ratio Lower Upper
 88 100
 43 96.5 27.7 41.5#
 58 0.0 53.8 80.6#



#50
 Toluene-d8
 Concen: 50.930 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064635.D
 Acq: 27 Dec 2019 10:29

Tgt Ion: 98 Resp: 936095
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.7 77.5

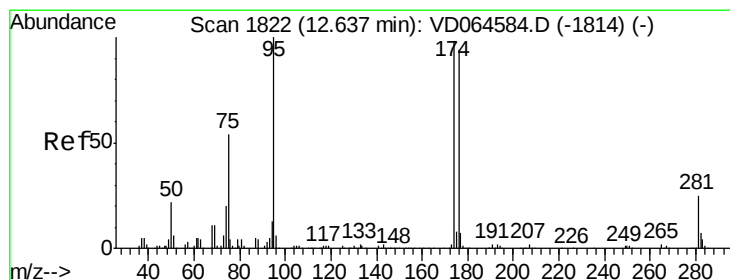
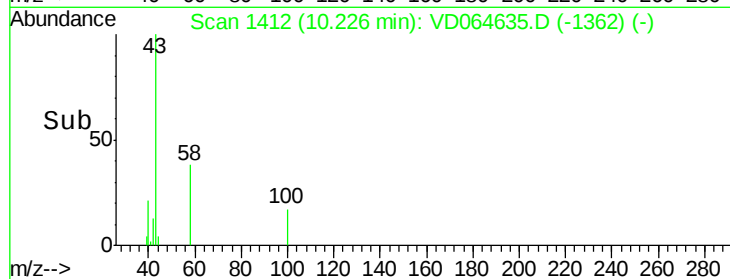
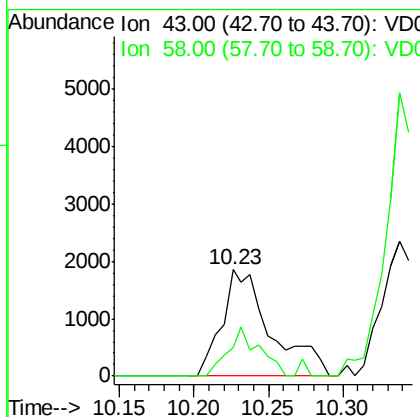
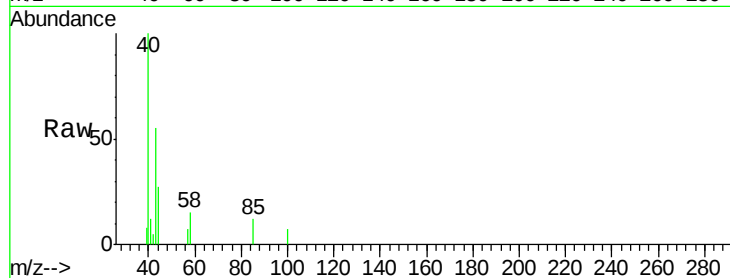




#51
 4-Methyl-2-Pentanone
 Concen: 1.457 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: VD064635.D
 Acq: 27 Dec 2019 10:29

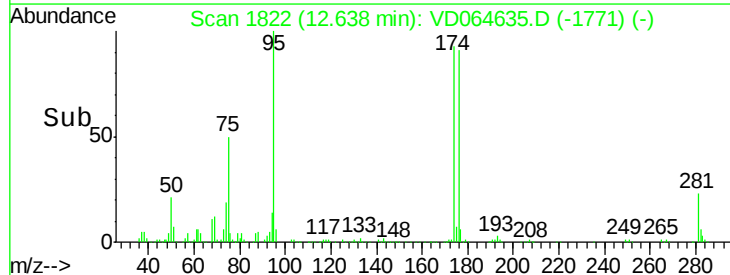
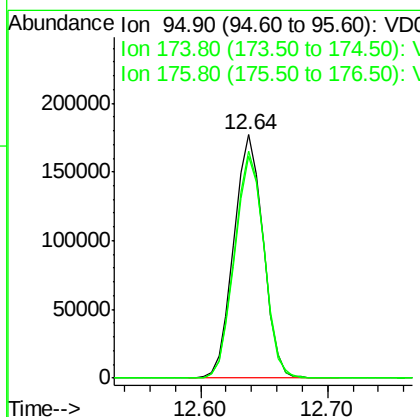
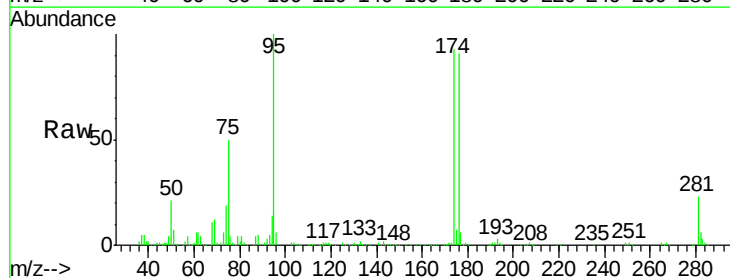
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBL01

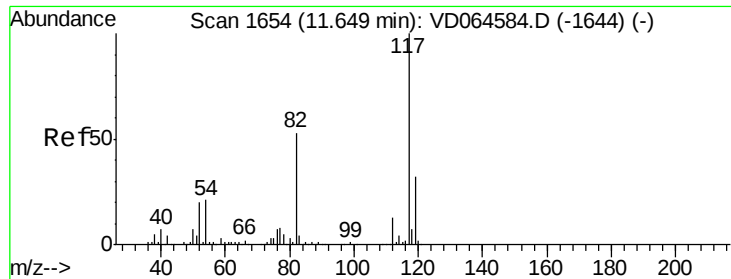
Tgt Ion: 43 Resp: 4241
 Ion Ratio Lower Upper
 43 100
 58 29.2 30.2 45.2#



#62
 4-Bromofluorobenzene
 Concen: 48.833 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064635.D
 Acq: 27 Dec 2019 10:29

Tgt Ion: 95 Resp: 283815
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 193.2
 176 91.6 0.0 184.2

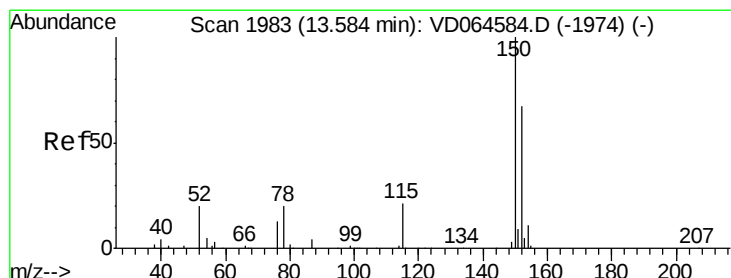
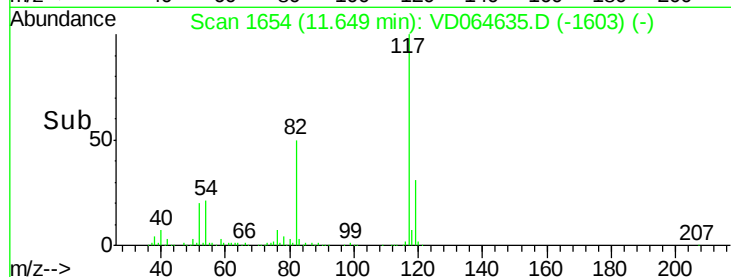
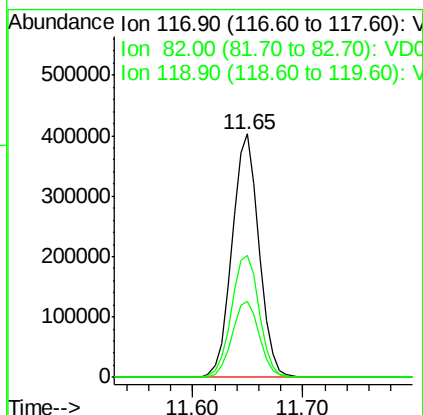
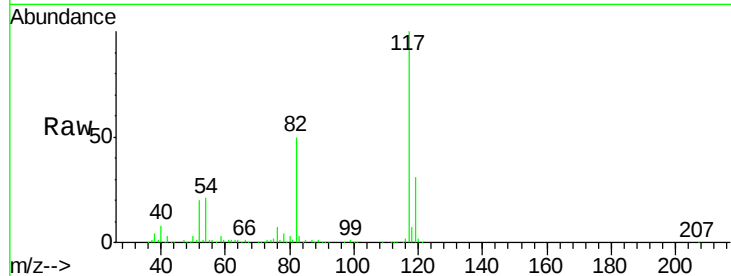




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064635.D
Acq: 27 Dec 2019 10:29

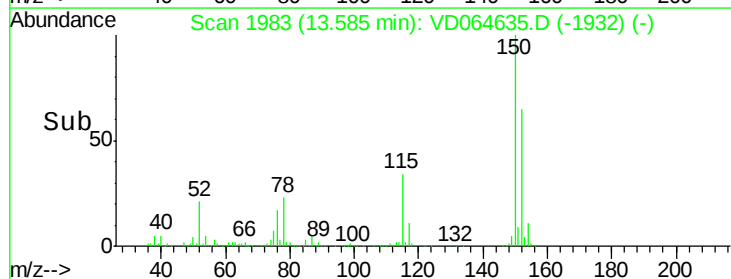
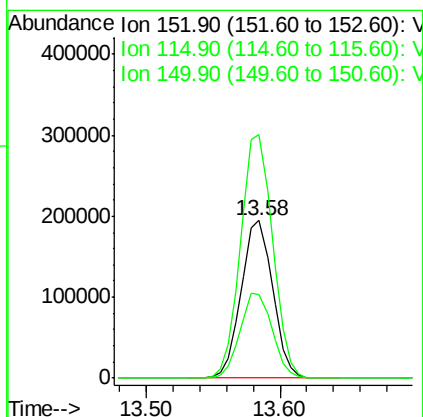
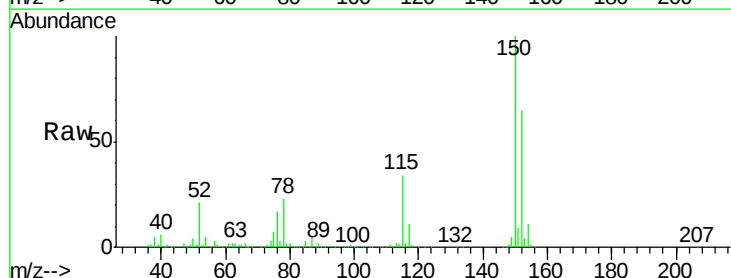
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBL01

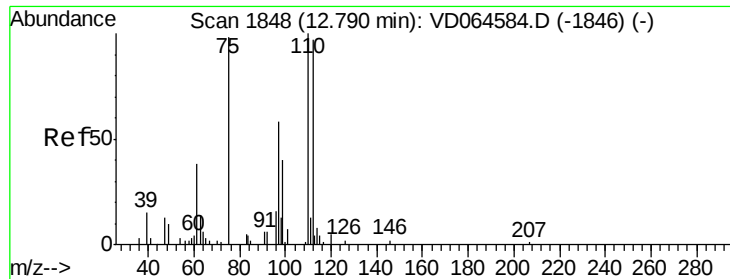
Tgt Ion:117 Resp: 689037
Ion Ratio Lower Upper
117 100
82 50.3 42.2 63.4
119 31.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064635.D
Acq: 27 Dec 2019 10:29

Tgt Ion:152 Resp: 317479
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.4
150 157.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 59.318 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064635.D

Acq: 27 Dec 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

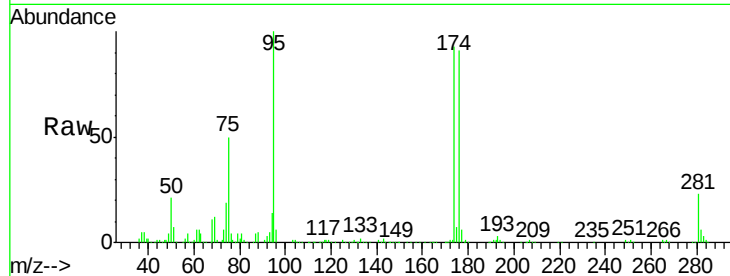
VD1227SBL01

Tgt Ion: 75 Resp: 148711

Ion Ratio Lower Upper

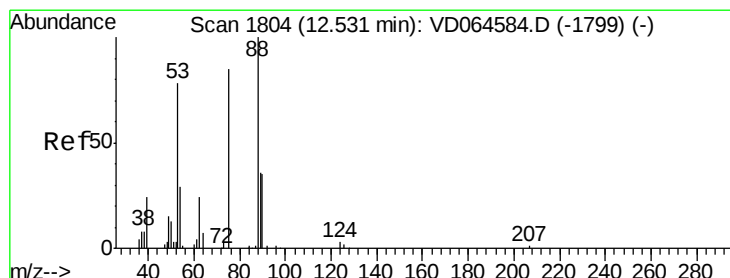
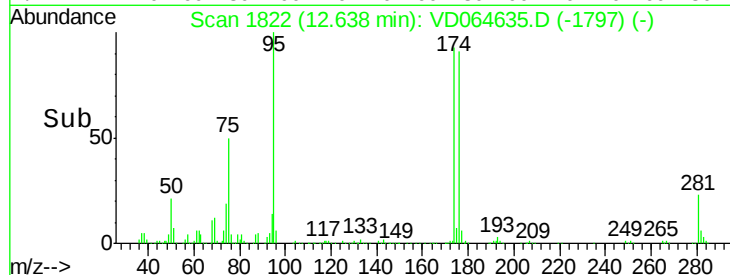
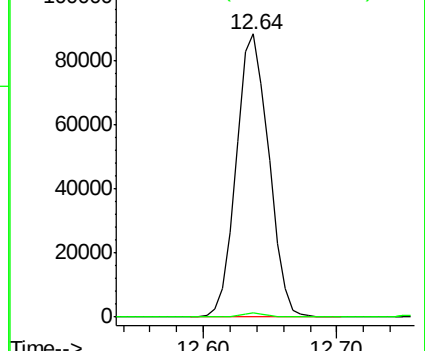
75 100

77 1.1 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: 124.062 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064635.D

Acq: 27 Dec 2019 10:29

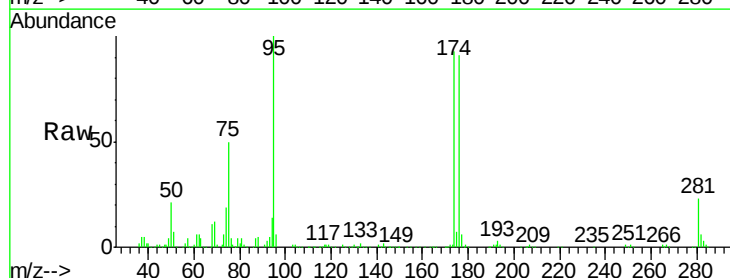
Tgt Ion: 75 Resp: 148711

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 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

