

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064680.D
 Acq On : 30 Dec 2019 16:35
 Operator : VA/SY
 Sample : K6456-03
 Misc : 6.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04

Quant Time: Dec 31 07:10:03 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	497743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	784366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	690580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319724	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	238537	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	7.92	113	245390	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.34	98	940871	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.64	95	280424	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	

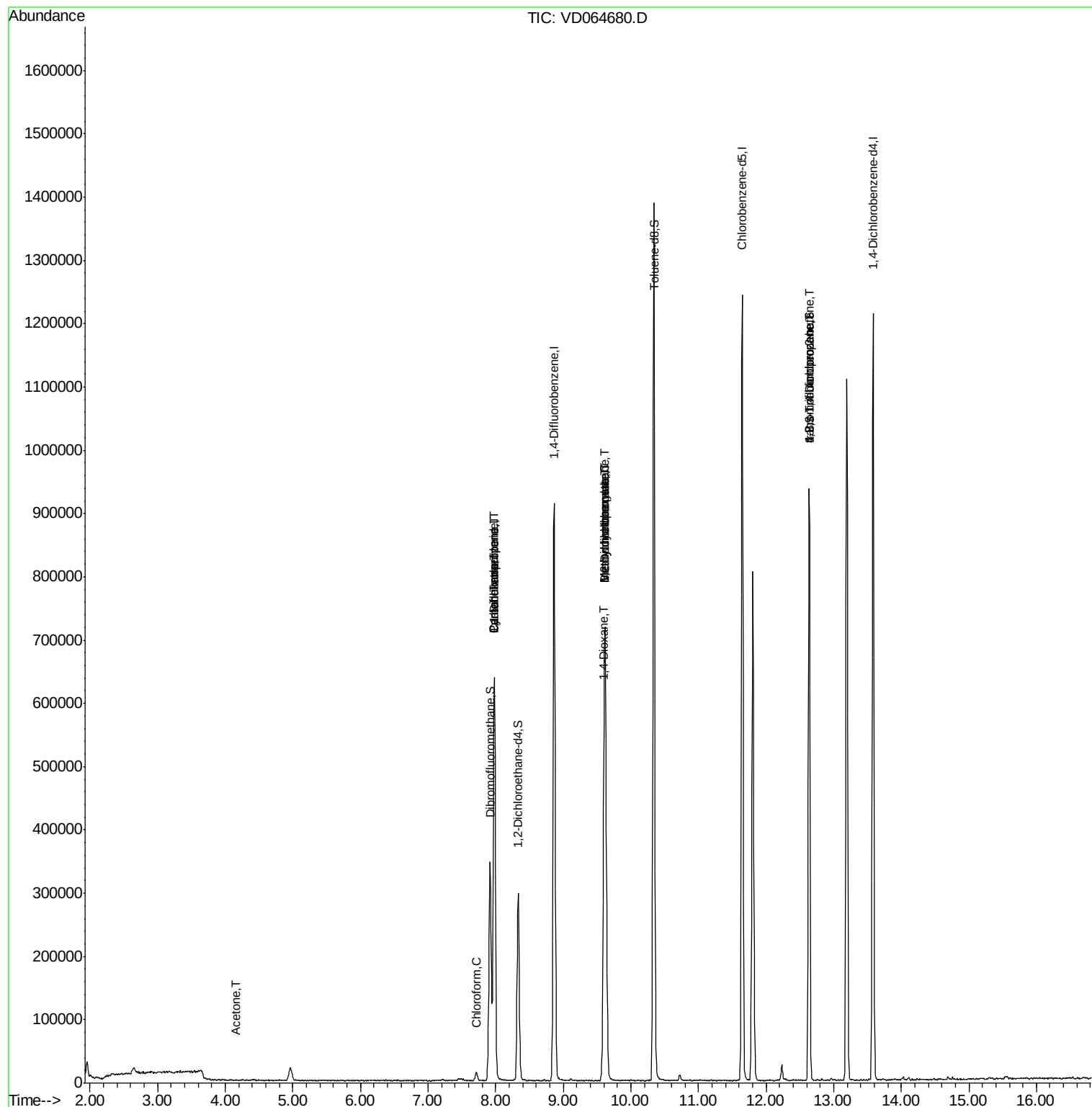
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	318	4.497	ug/l #	42
20) Methylene Chloride	4.96	84	15543	Below Cal	#	79
30) Chloroform	7.71	83	12222	1.425	ug/l	88
31) Cyclohexane	7.98	56	10471	1.280	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	37692	4.993	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47676	5.922	ug/l #	15
39) Methylcyclohexane	9.61	83	20249	2.215	ug/l #	36
45) 1,2-Dichloropropane	9.61	63	5369	1.091	ug/l #	54
47) Bromodichloromethane	9.61	83	26058	3.569	ug/l #	49
48) Methyl methacrylate	9.61	41	2803	1.008	ug/l #	1
49) 1,4-Dioxane	9.60	88	66	2.086	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	149352	59.155	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	149352	123.722	ug/l #	10

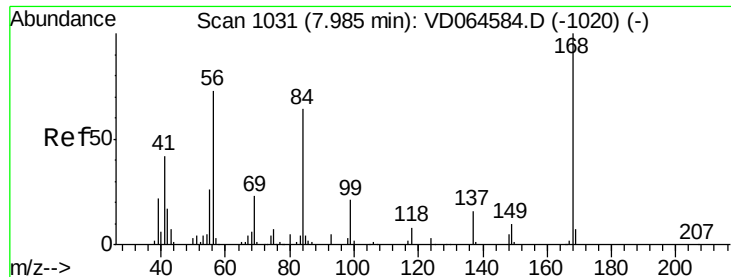
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064680.D

Acq: 30 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

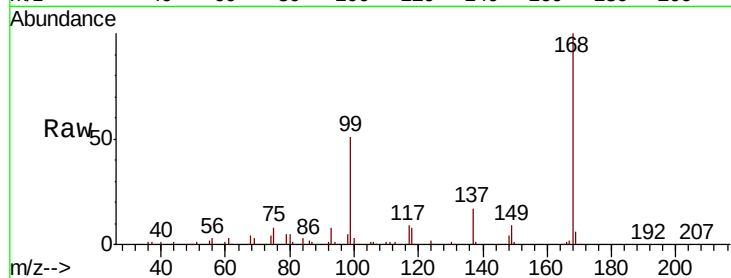
SB-04

Tot Ion:168 Resp: 497743

Ion Ratio Lower Upper

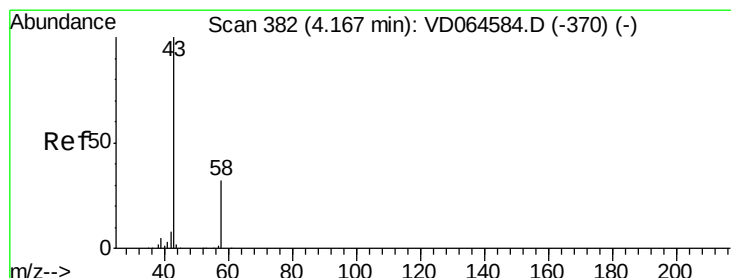
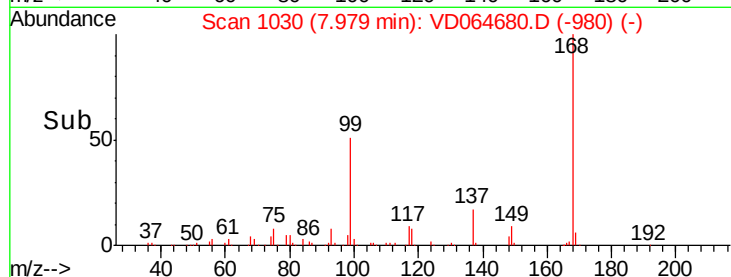
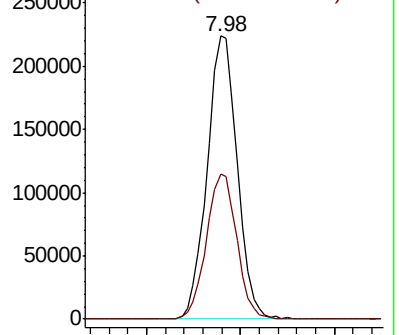
168 100

99 51.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 4.497 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064680.D

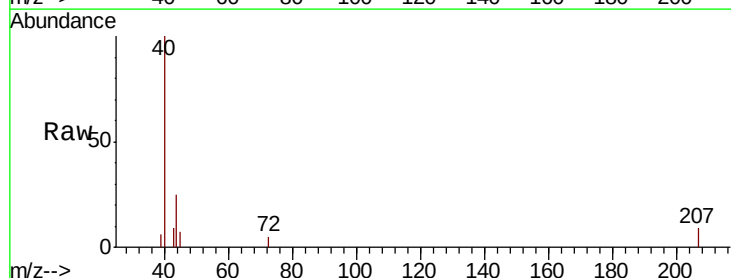
Acq: 30 Dec 2019 16:35

Tgt Ion: 43 Resp: 318

Ion Ratio Lower Upper

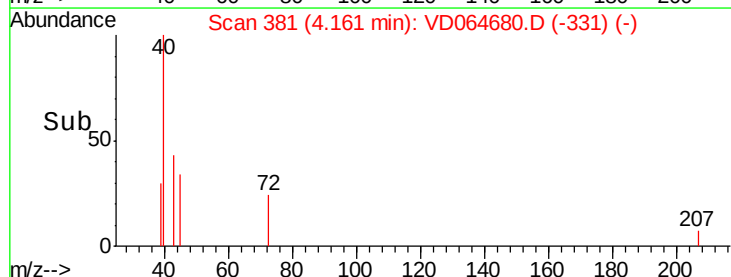
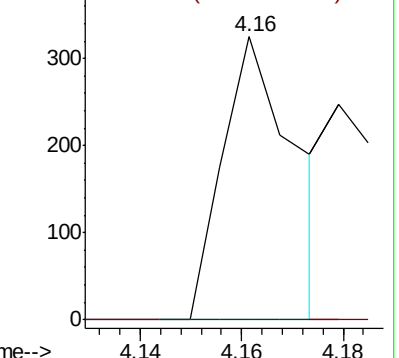
43 100

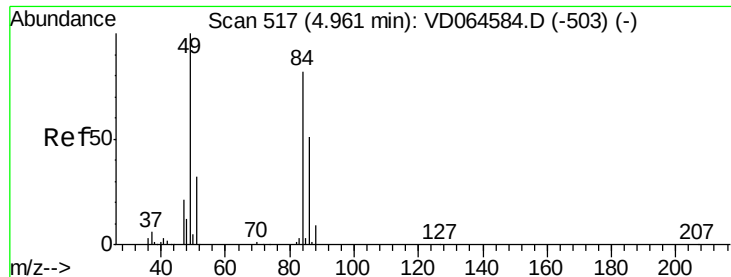
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

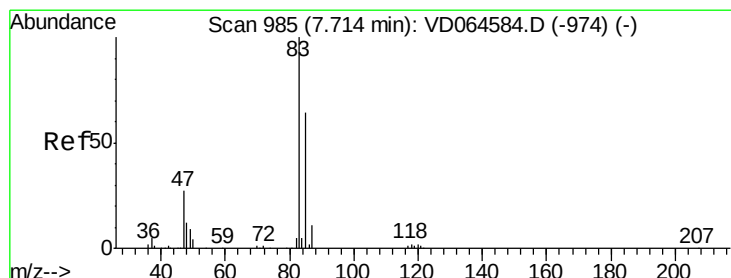
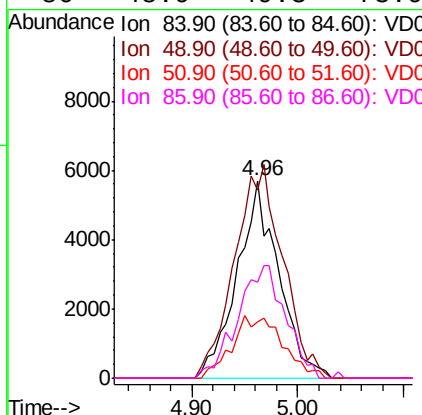
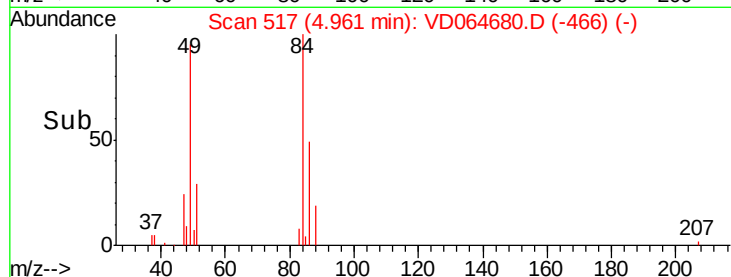
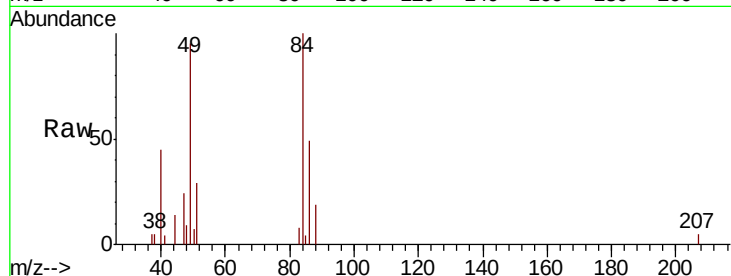




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064680.D
Acq: 30 Dec 2019 16:35

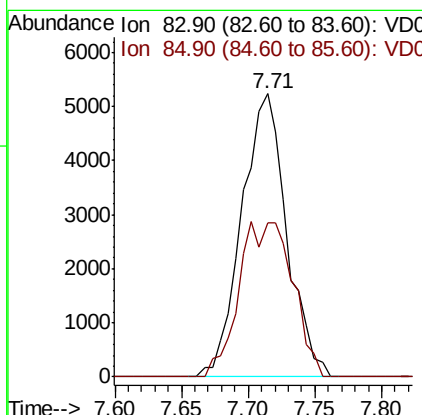
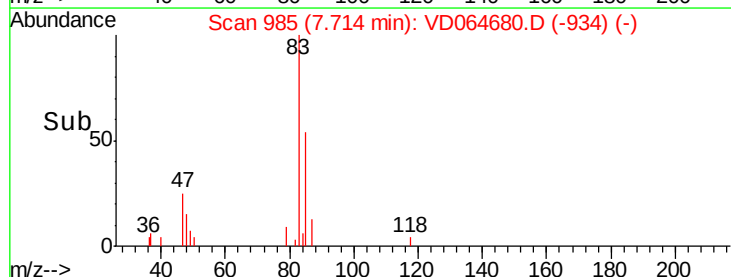
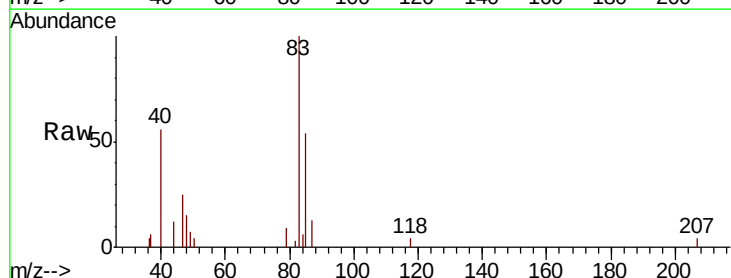
Instrument :
MSVOA_D
ClientSampleId :
SB-04

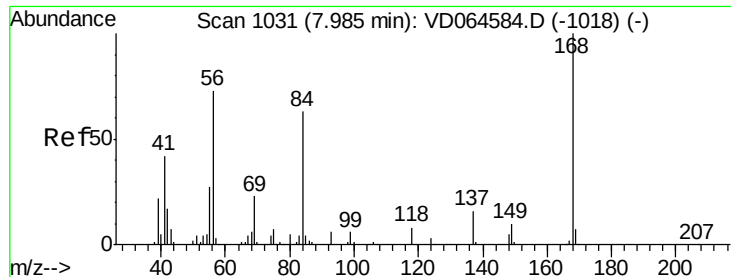
Tot Ion: 84 Resp: 15543
Ion Ratio Lower Upper
84 100
49 95.1 97.2 145.8#
51 28.7 31.4 47.0#
86 48.9 49.3 73.9#



#30
Chloroform
Concen: 1.425 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064680.D
Acq: 30 Dec 2019 16:35

Tgt Ion: 83 Resp: 12222
Ion Ratio Lower Upper
83 100
85 54.4 51.1 76.7

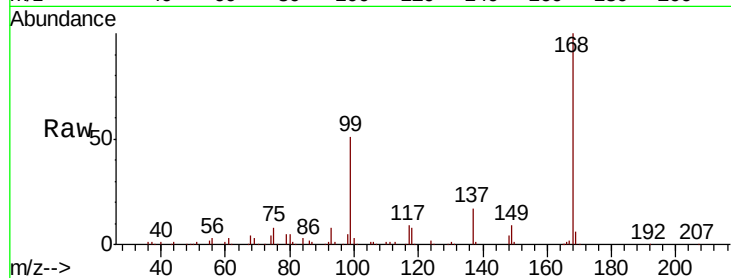




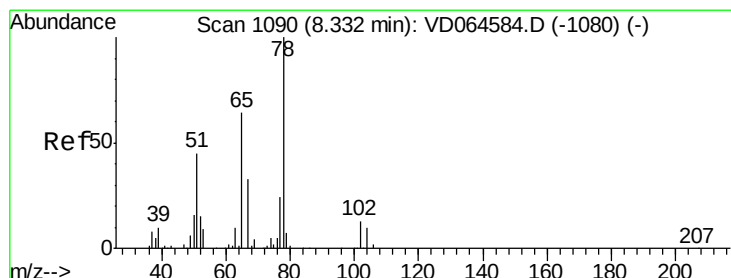
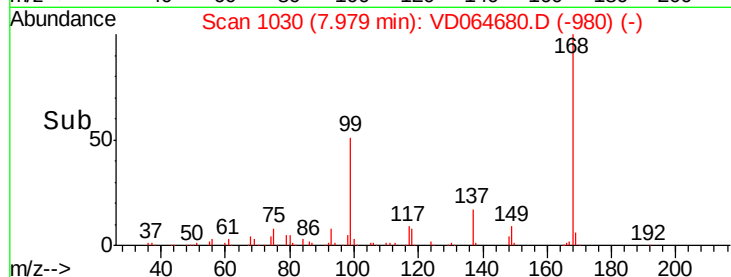
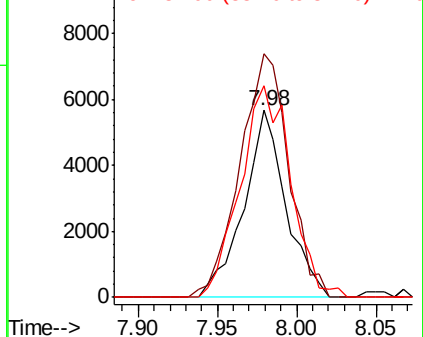
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064680.D
Acq: 30 Dec 2019 16:35

Instrument :
MSVOA_D
ClientSampled :
SB-04

Tot Ion: 56 Resp: 10471
Ion Ratio Lower Upper
56 100
69 130.4 24.7 37.1#
84 113.2 69.4 104.2#

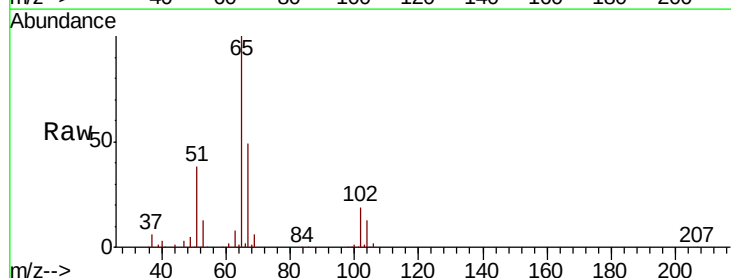


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

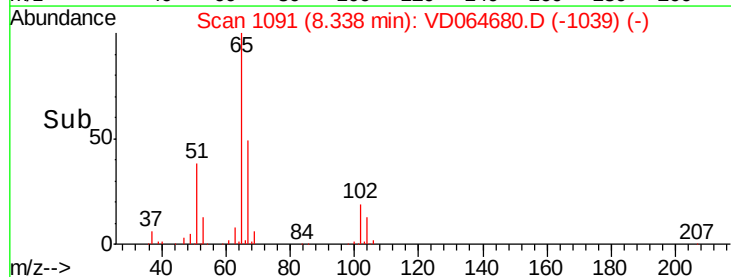
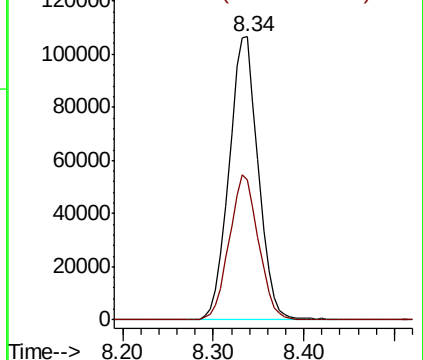


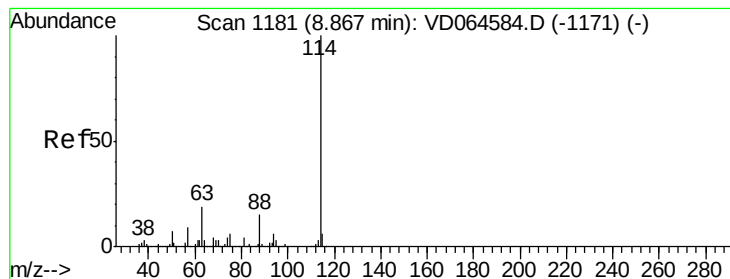
#33
1,2-Dichloroethane-d4
Concen: 54.348 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064680.D
Acq: 30 Dec 2019 16:35

Tgt Ion: 65 Resp: 238537
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2



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: VD064680.D

Acq: 30 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

SB-04

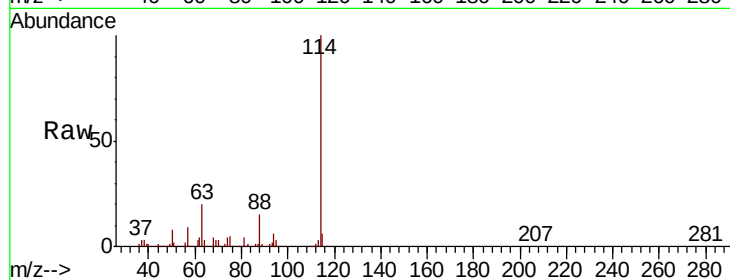
Tot Ion:114 Resp: 784366

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

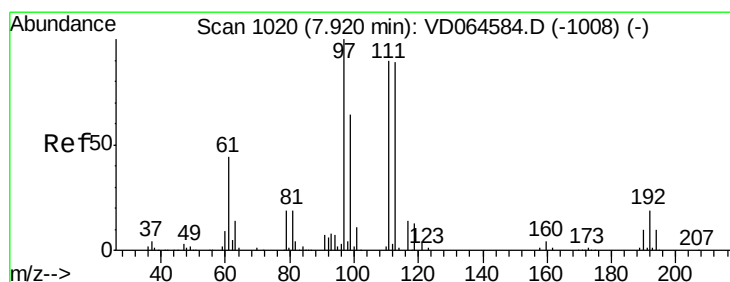
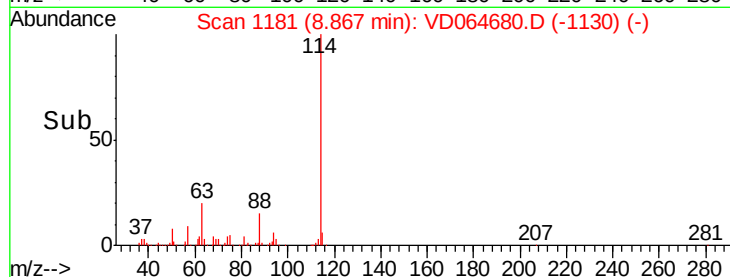
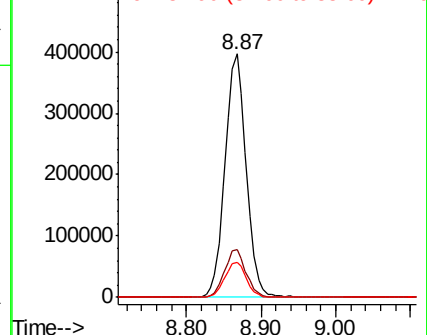
88 14.6 0.0 29.2



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: 50.993 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

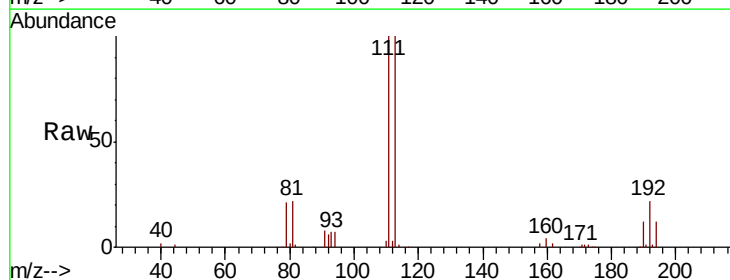
Tgt Ion:113 Resp: 245390

Ion Ratio Lower Upper

113 100

111 101.6 80.6 121.0

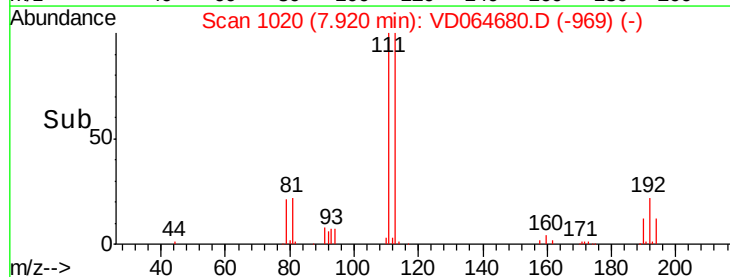
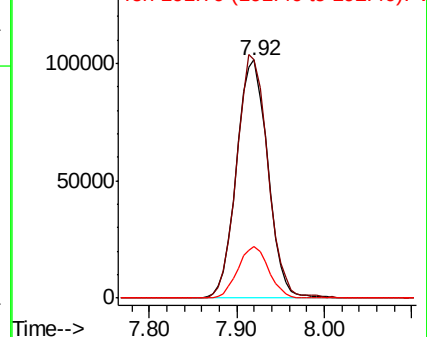
192 21.7 17.9 26.9

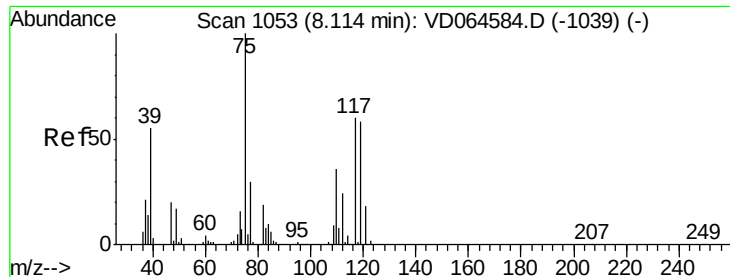


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.993 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampled :

SB-04

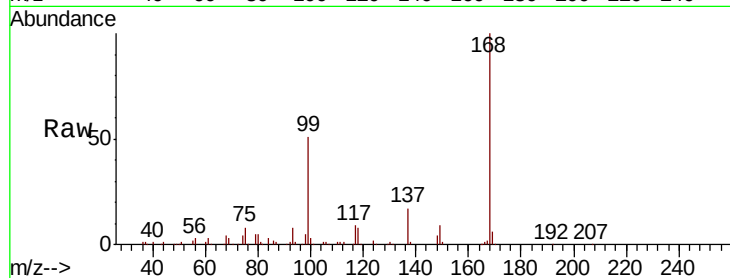
Tot Ion: 75 Resp: 37692

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.1#

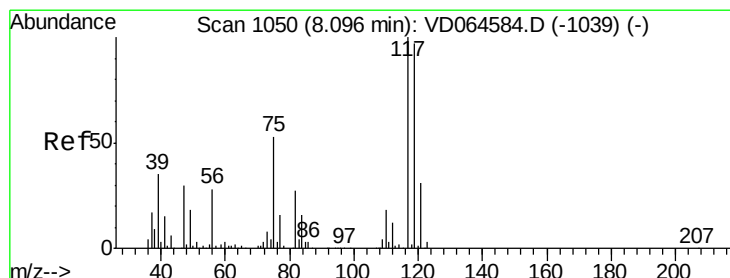
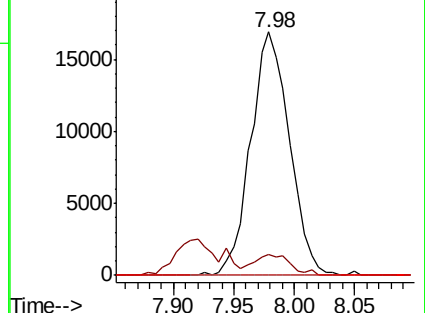
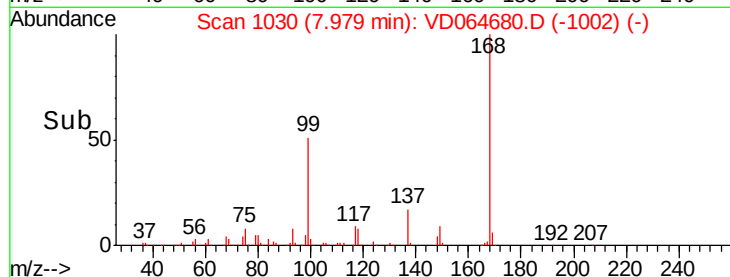
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064680.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064680.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064680.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 5.922 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

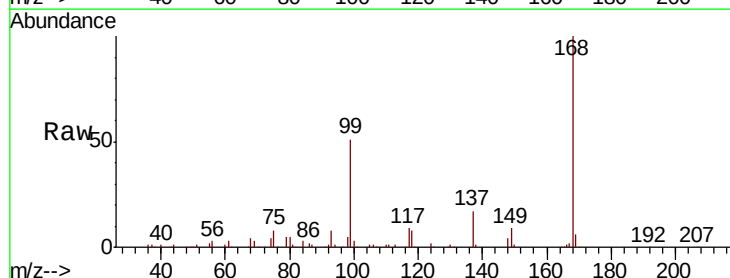
Tgt Ion: 117 Resp: 47676

Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

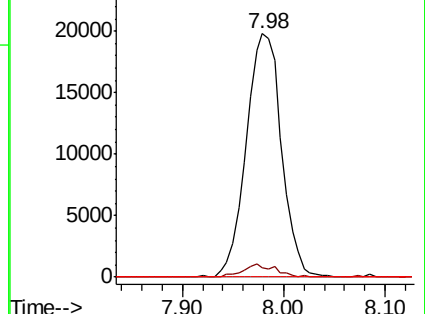
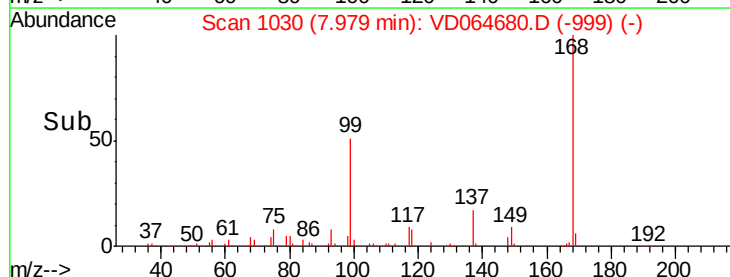
121 0.0 25.0 37.6#

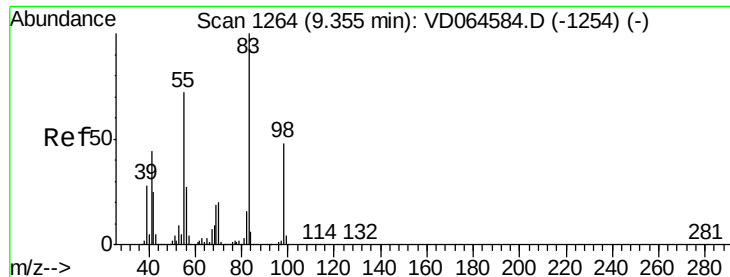


Abundance Ion 116.80 (116.50 to 117.50): VD064680.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064680.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064680.D (-999) (-)

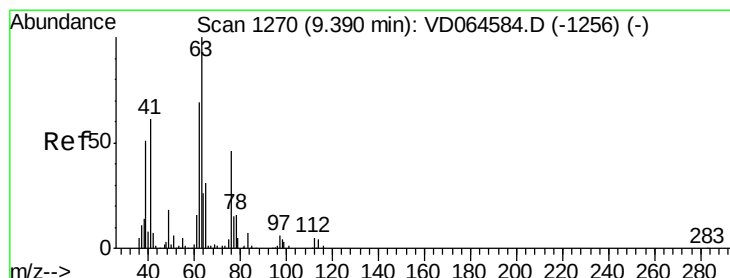
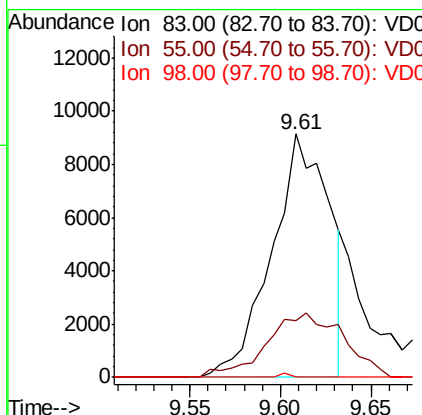
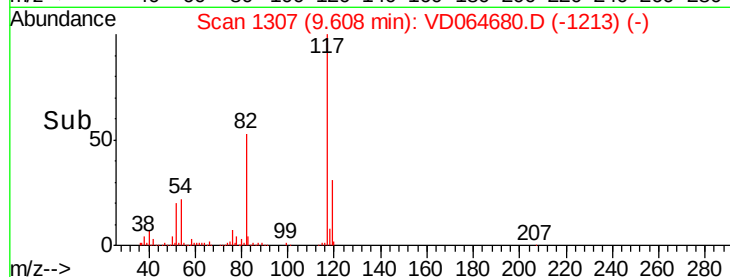
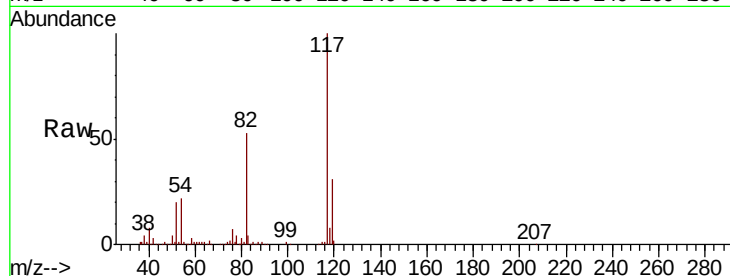




#39
Methylvlcyclohexane
Concen: 2.215 ug/l
RT: 9.61 min Scan# 1307
Delta R.T. 0.25 min
Lab File: VD064680.D
Acq: 30 Dec 2019 16:35

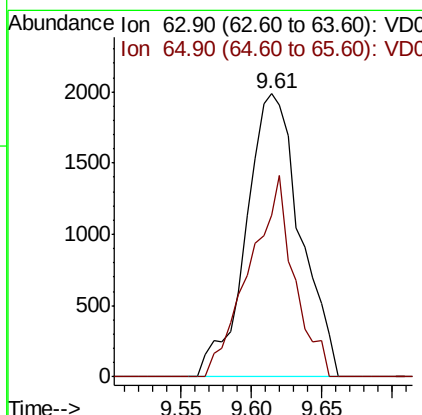
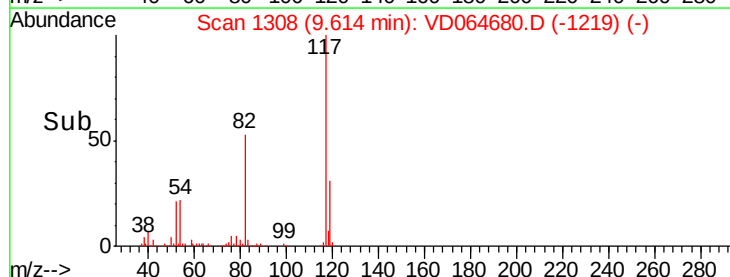
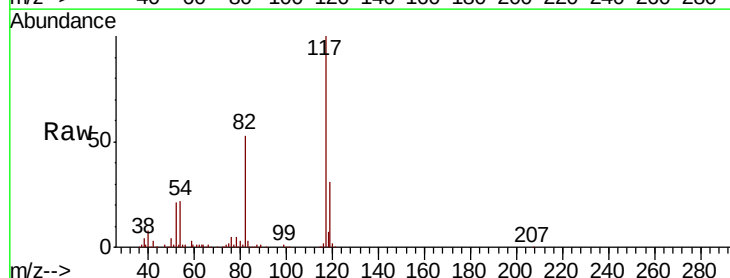
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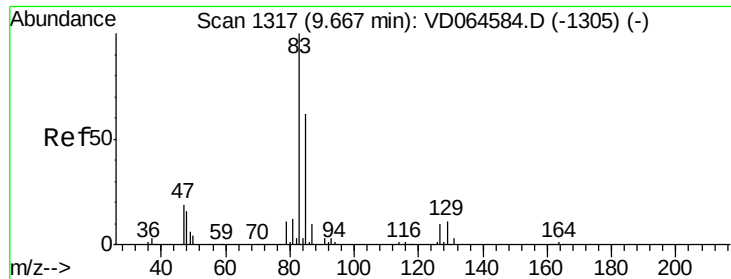
Tot Ion: 83 Resp: 20249
Ion Ratio Lower Upper
83 100
55 23.3 57.8 86.6#
98 0.0 38.7 58.1#



#45
1,2-Dichloropropane
Concen: 1.091 ug/l
RT: 9.61 min Scan# 1308
Delta R.T. 0.22 min
Lab File: VD064680.D
Acq: 30 Dec 2019 16:35

Tgt Ion: 63 Resp: 5369
Ion Ratio Lower Upper
63 100
65 56.9 25.2 37.8#





#47

Bromodichloromethane

Concen: 3.569 ug/l

RT: 9.61 min Scan# 1307

Delta R.T. -0.06 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

SB-04

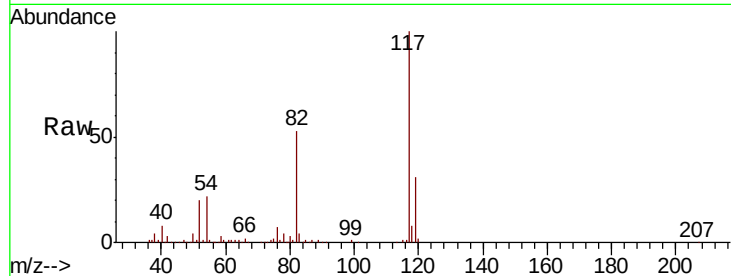
Tot Ion: 83 Resp: 26058

Ion Ratio Lower Upper

83 100

85 19.5 49.5 74.3#

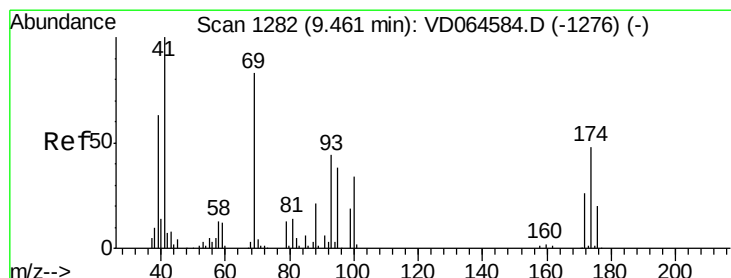
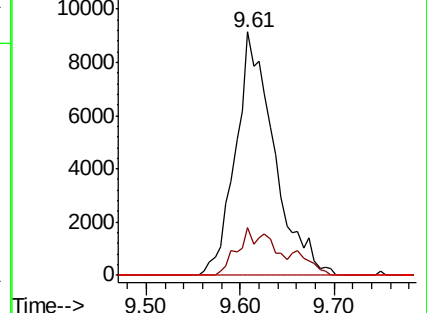
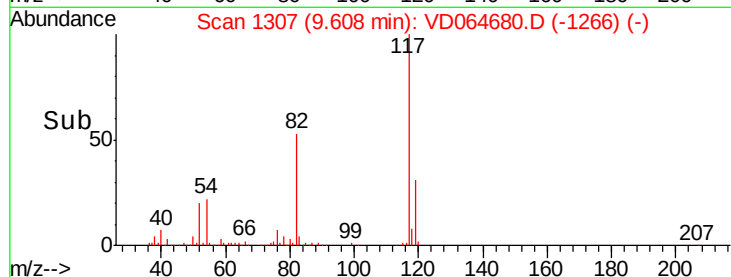
127 0.0 7.8 11.6#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 1.008 ug/l

RT: 9.61 min Scan# 1308

Delta R.T. 0.15 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

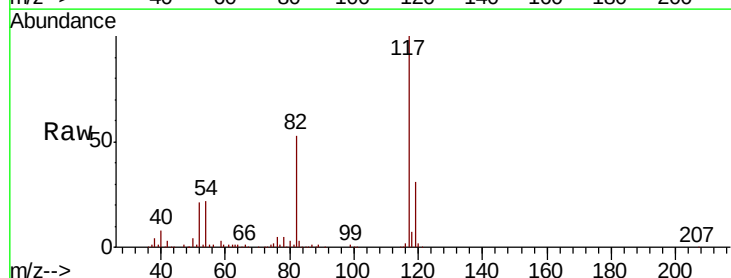
Tgt Ion: 41 Resp: 2803

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

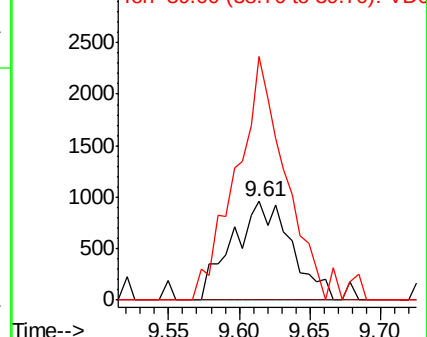
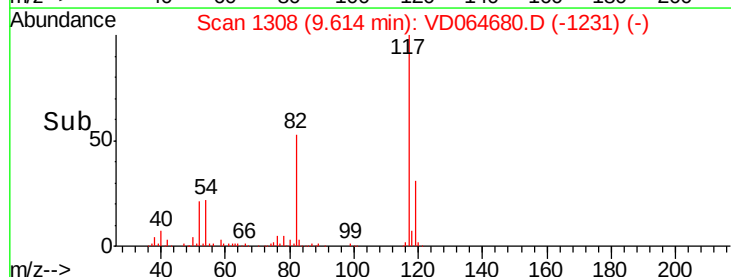
39 203.8 47.4 71.2#

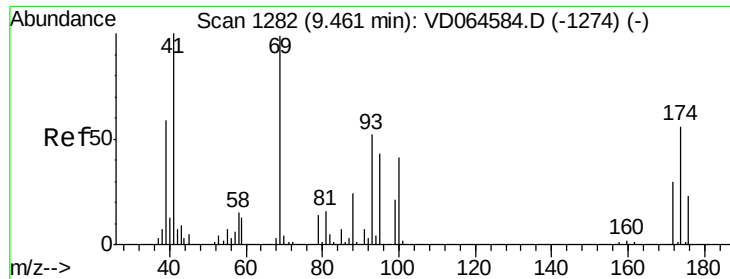


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

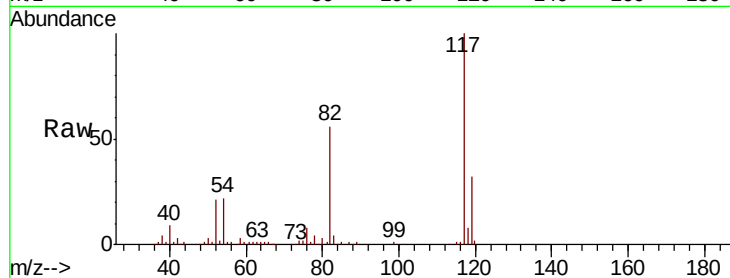




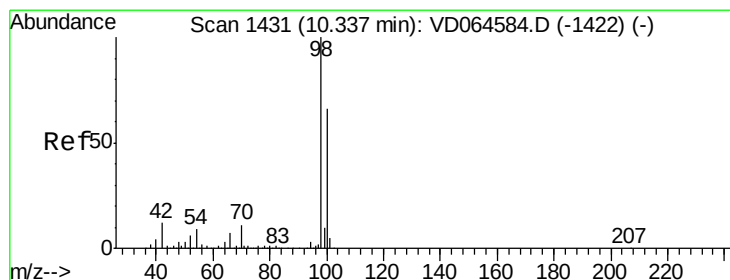
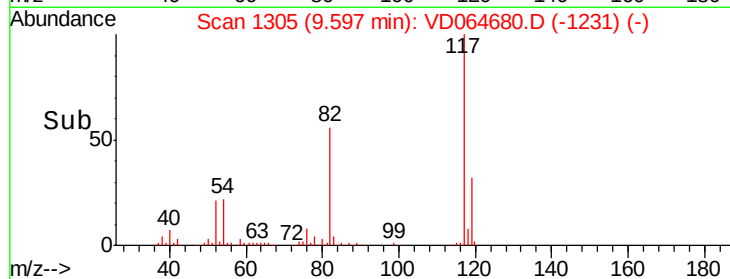
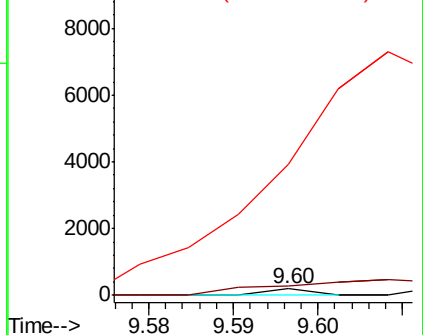
#49
 1,4-Dioxane
 Concen: 2.086 ug/l
 RT: 9.60 min Scan# 1305
 Delta R.T. 0.14 min
 Lab File: VD064680.D
 Acq: 30 Dec 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleID :
 SB-04

Tot Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.7 41.5#
 58 0.0 53.8 80.6#

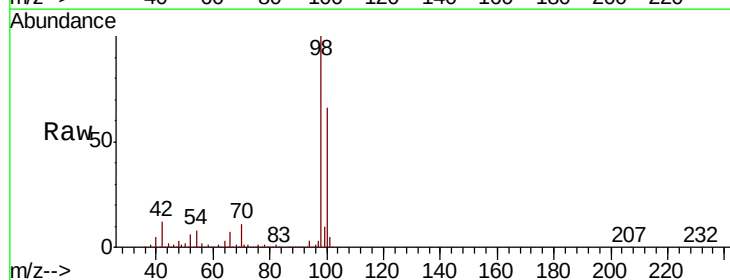


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

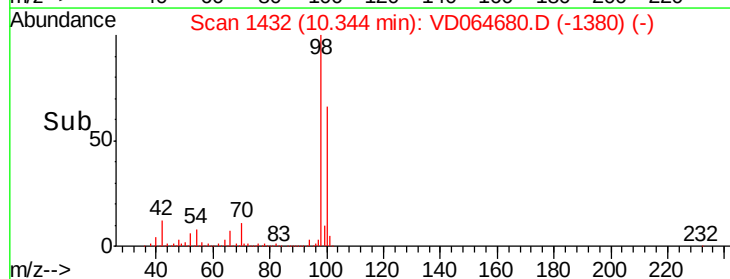
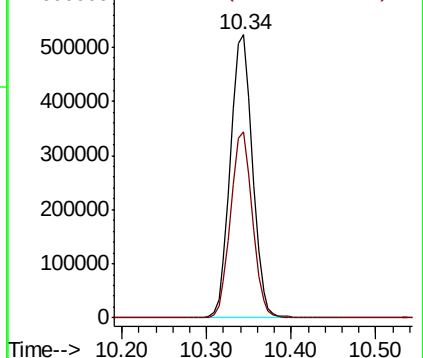


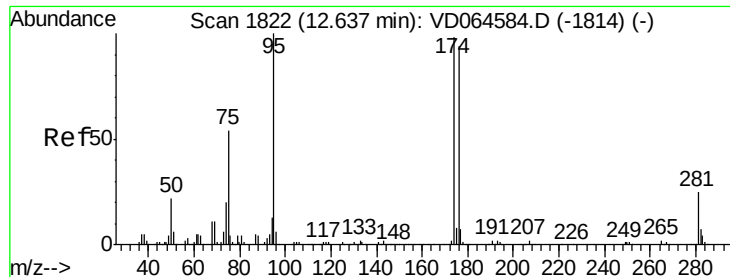
#50
 Toluene-d8
 Concen: 51.050 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064680.D
 Acq: 30 Dec 2019 16:35

Tgt Ion: 98 Resp: 940871
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.7 77.5



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





#62

4-Bromofluorobenzene

Concen: 48.118 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

SB-04

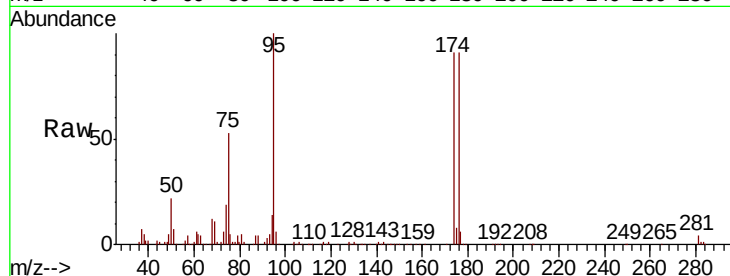
Tot Ion: 95 Resp: 280424

Ion Ratio Lower Upper

95 100

174 95.0 0.0 193.2

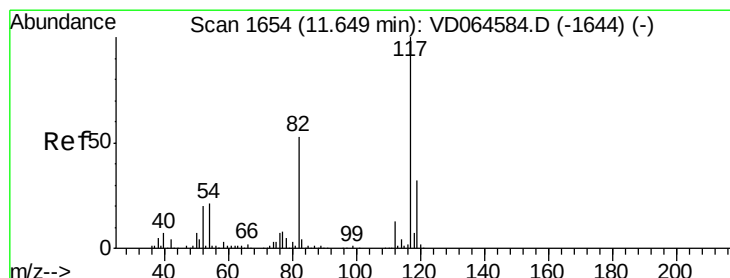
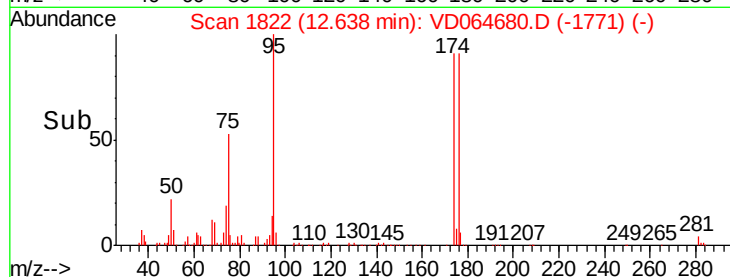
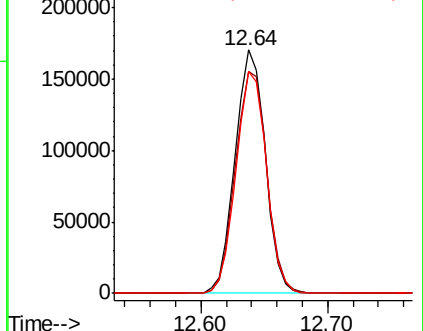
176 92.3 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

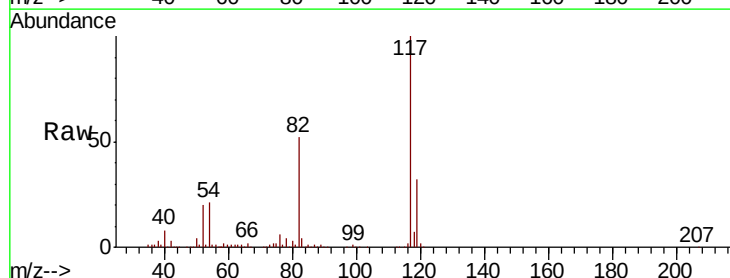
Tgt Ion: 117 Resp: 690580

Ion Ratio Lower Upper

117 100

82 52.2 42.2 63.4

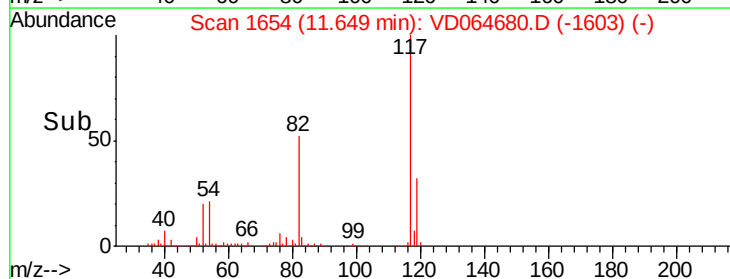
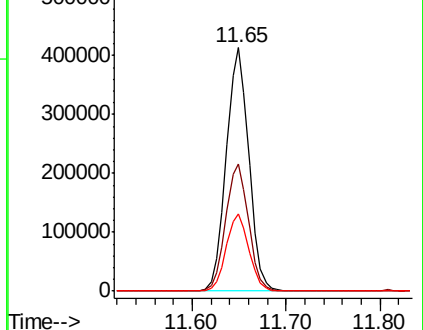
119 31.5 26.0 39.0

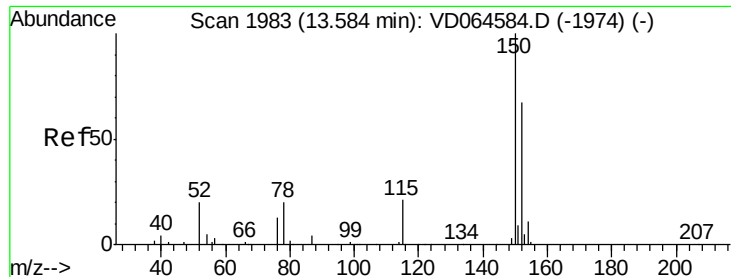


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064680.D

Acq: 30 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

SB-04

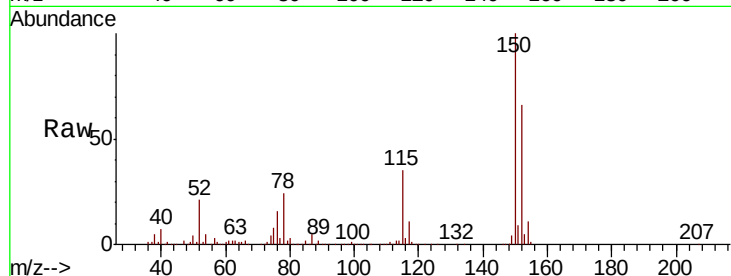
Tot Ion:152 Resp: 319724

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.4

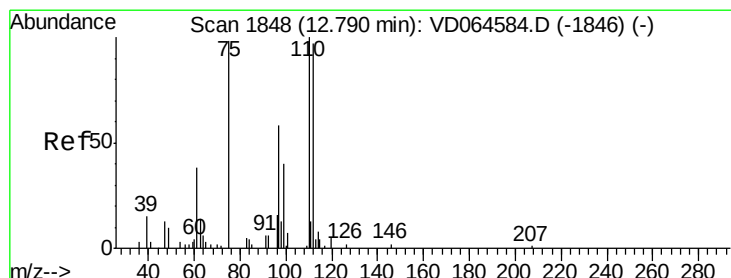
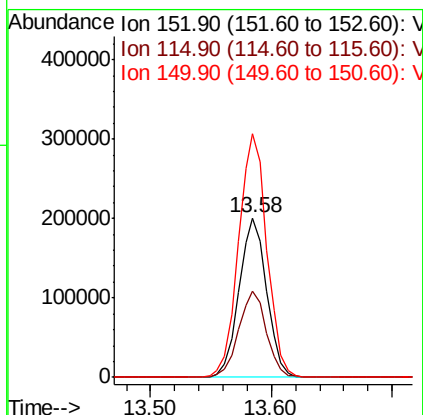
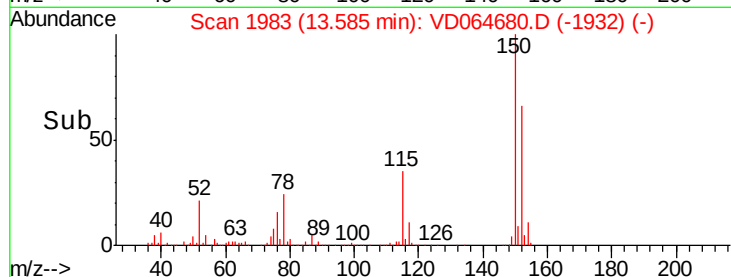
150 156.2 0.0 351.4



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: 59.155 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064680.D

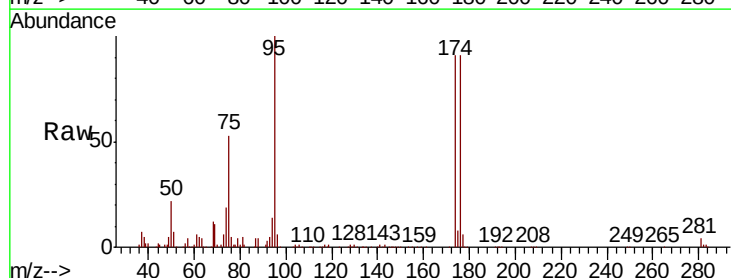
Acq: 30 Dec 2019 16:35

Tgt Ion: 75 Resp: 149352

Ion Ratio Lower Upper

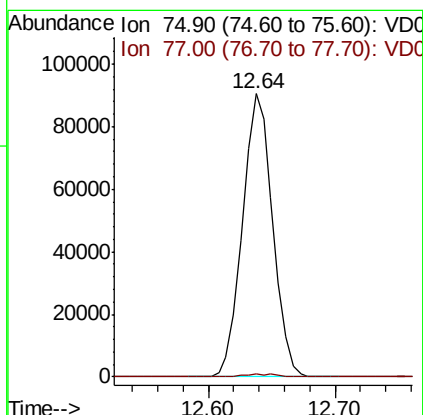
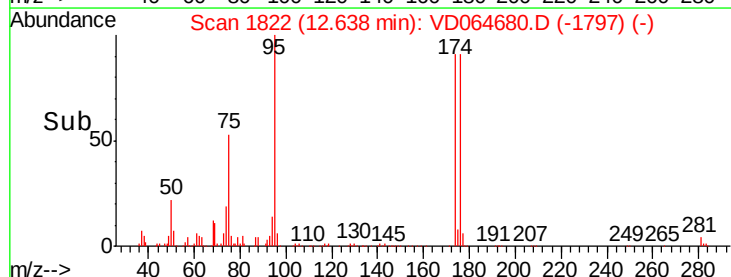
75 100

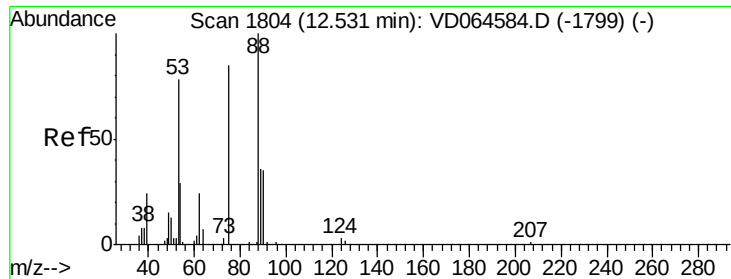
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 123.722 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064680.D

Acq: 30 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

SB-04

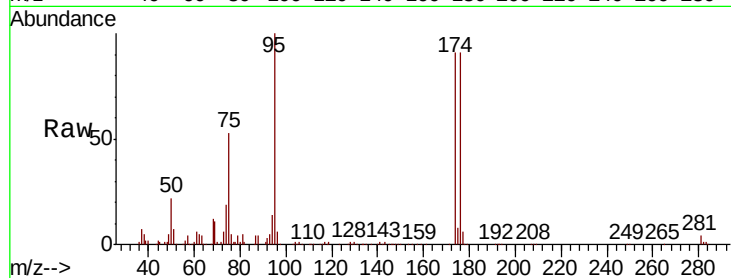
Tot Ion: 75 Resp: 149352

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 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

