

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064600.D
 Acq On : 26 Dec 2019 15:38
 Operator : VA/SY
 Sample : K6436-04
 Misc : 6.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 K009-SB-4

Quant Time: Dec 27 01:40:40 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	480721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	775241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	772768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	374175	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	213212	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.92	113	231826	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.34	98	922241	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.64	95	341845	59.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.70%	

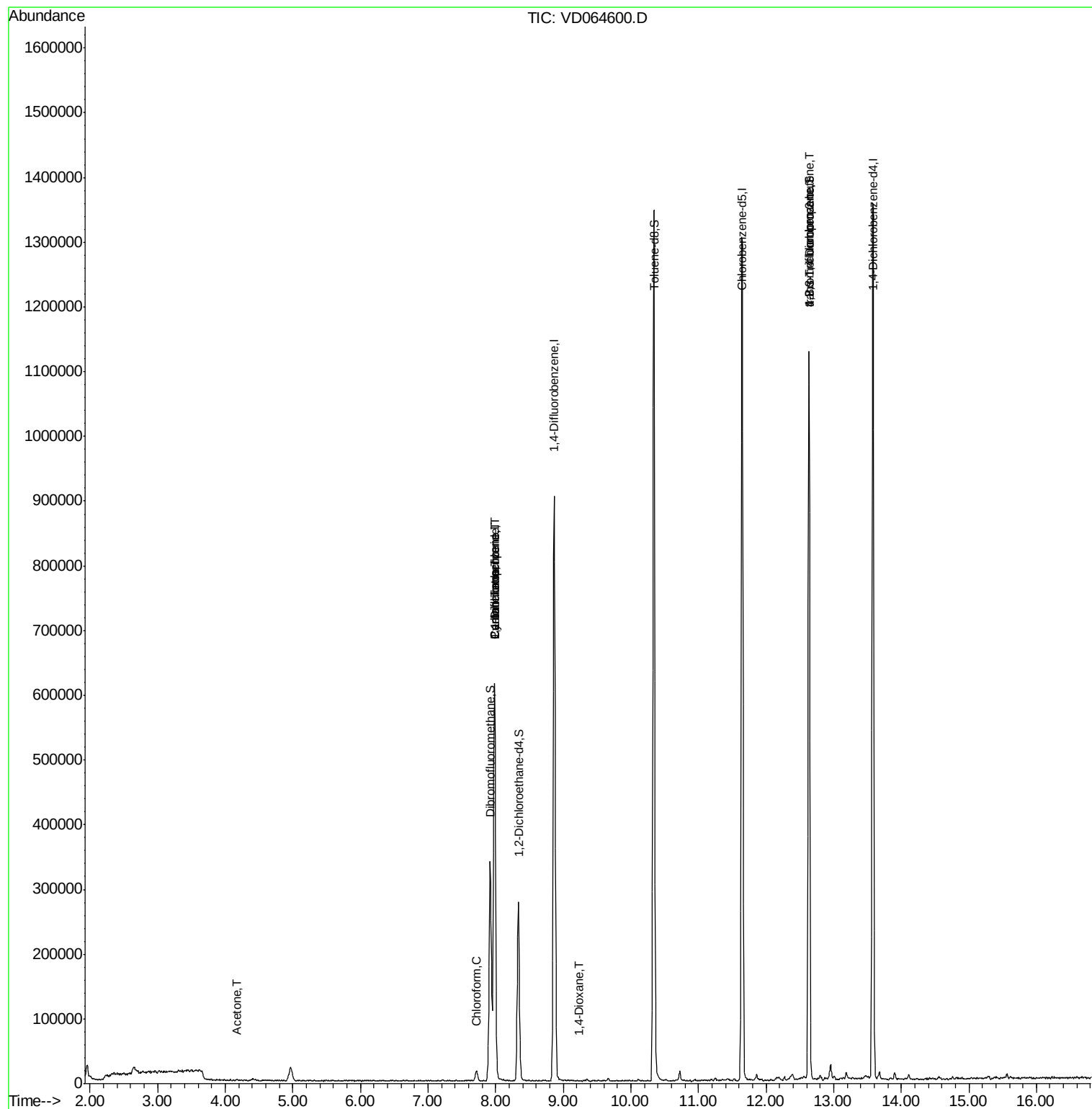
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.18	43	1418	5.589	ug/l	100
20) Methylene Chloride	4.97	84	16122	Below Cal		93
30) Chloroform	7.72	83	14346	1.732	ug/l	92
31) Cyclohexane	7.98	56	10348	1.309	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32722	4.385	ug/l #	50
38) Carbon Tetrachloride	7.98	117	44872	5.640	ug/l #	15
49) 1,4-Dioxane	9.23	88	69	2.207	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	178649	60.462	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178649	126.455	ug/l #	10

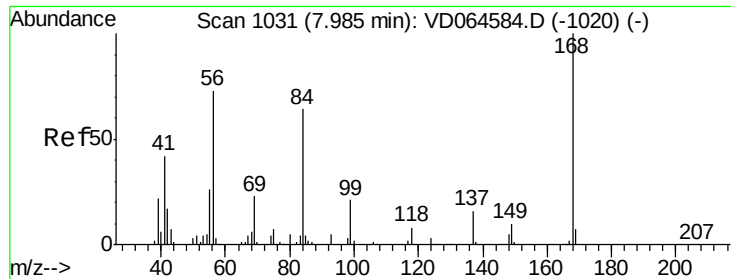
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
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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# 1031

Delta R.T. 0.00 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

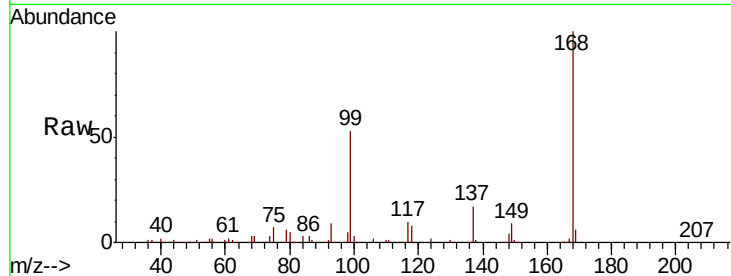
K009-SB-4

Tot Ion:168 Resp: 480721

Ion Ratio Lower Upper

168 100

99 53.1 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

250000

200000

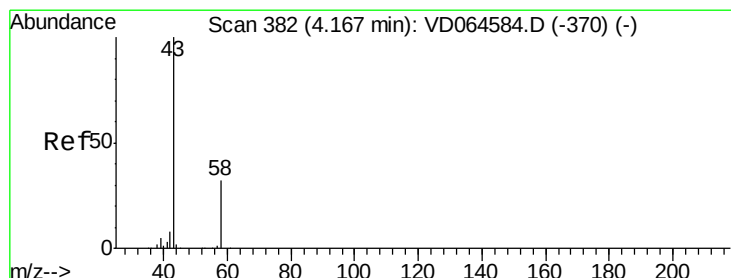
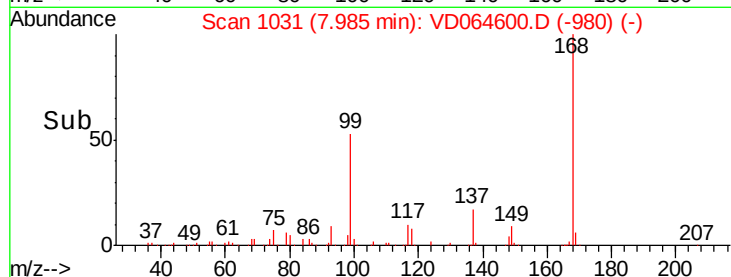
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.589 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064600.D

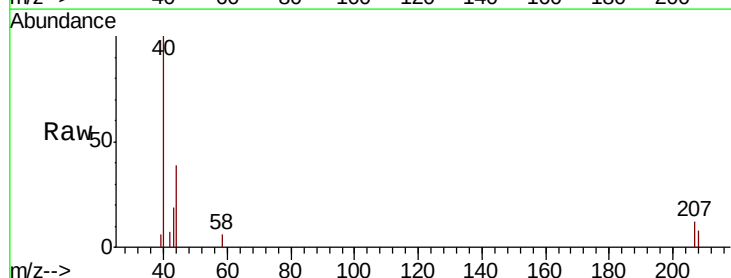
Acq: 26 Dec 2019 15:38

Tgt Ion: 43 Resp: 1418

Ion Ratio Lower Upper

43 100

58 32.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.18

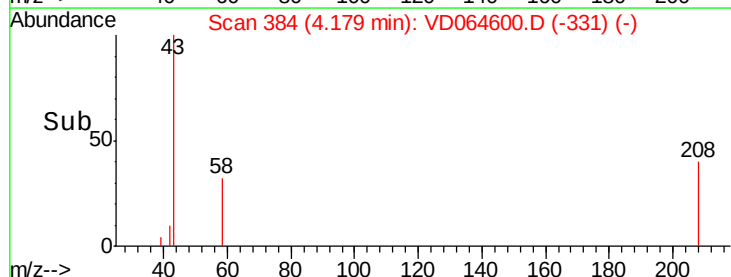
600

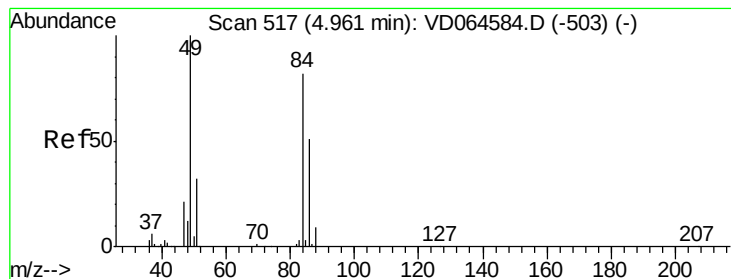
400

200

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

K009-SB-4

Tot Ion: 84 Resp: 16122

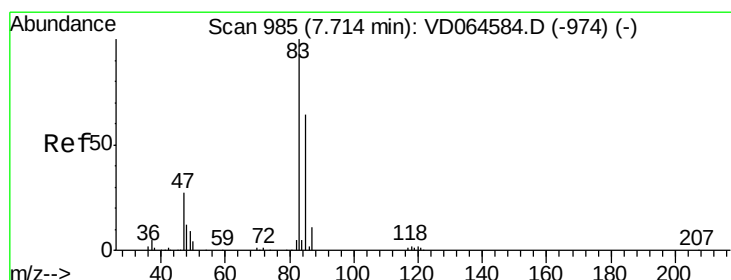
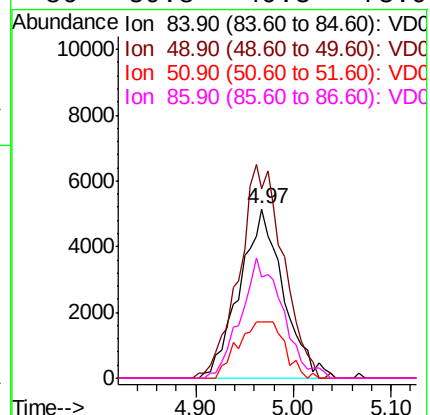
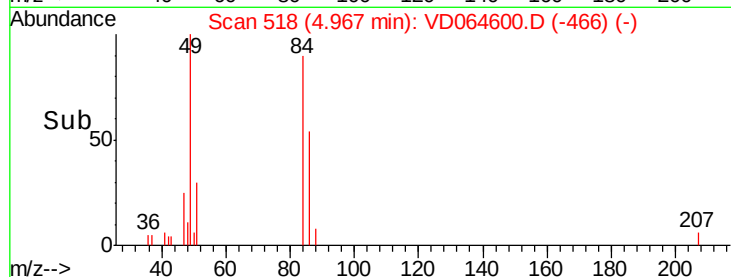
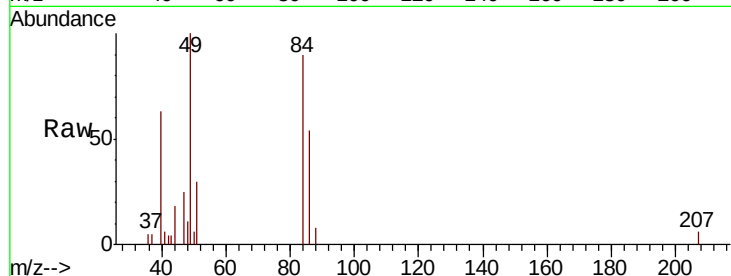
Ion Ratio Lower Upper

84 100

49 111.6 97.2 145.8

51 33.3 31.4 47.0

86 59.8 49.3 73.9



#30

Chloroform

Concen: 1.732 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064600.D

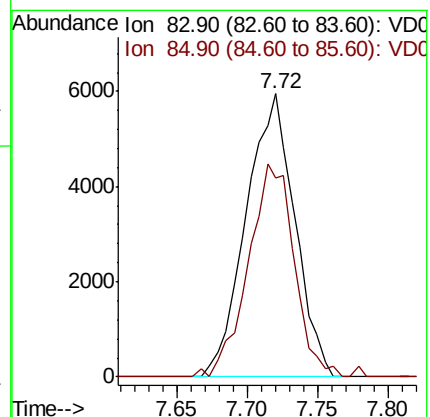
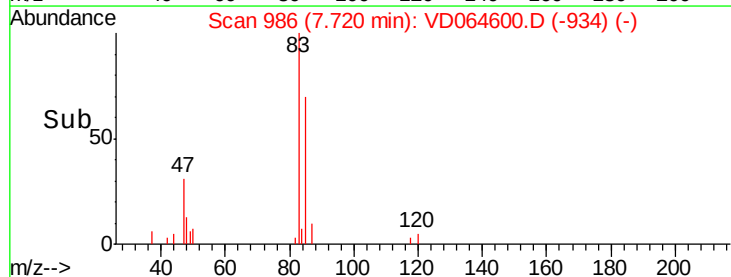
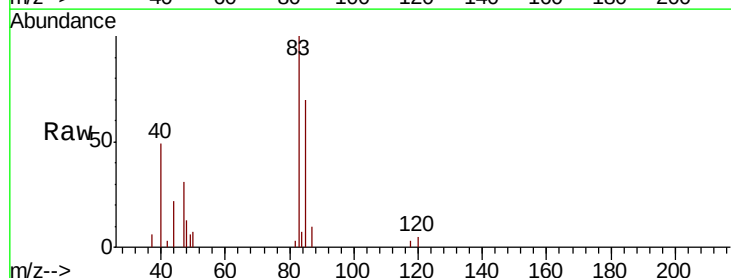
Acq: 26 Dec 2019 15:38

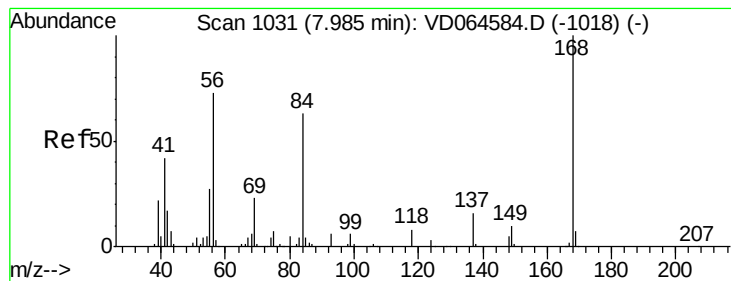
Tgt Ion: 83 Resp: 14346

Ion Ratio Lower Upper

83 100

85 70.1 51.1 76.7





#31

Cyclohexane

Concen: 1.309 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

K009-SB-4

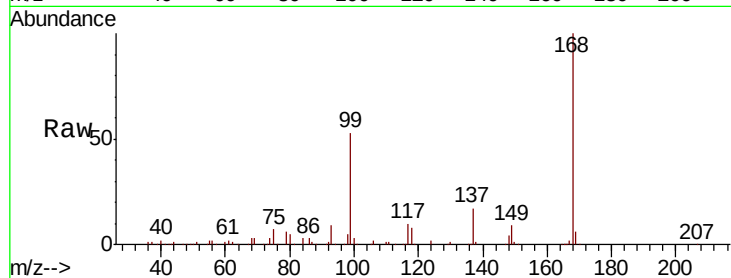
Tot Ion: 56 Resp: 10348

Ion Ratio Lower Upper

56 100

69 139.7 24.7 37.1#

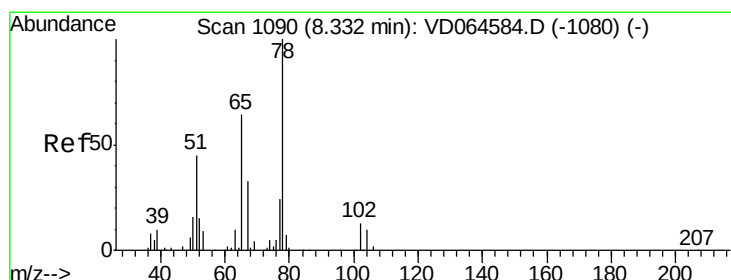
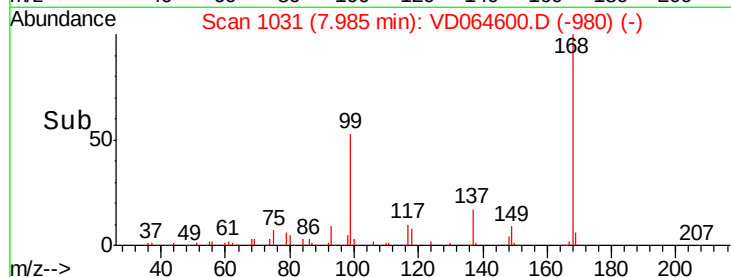
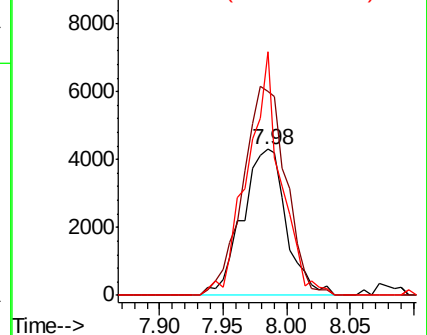
84 167.1 69.4 104.2#



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: 50.298 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064600.D

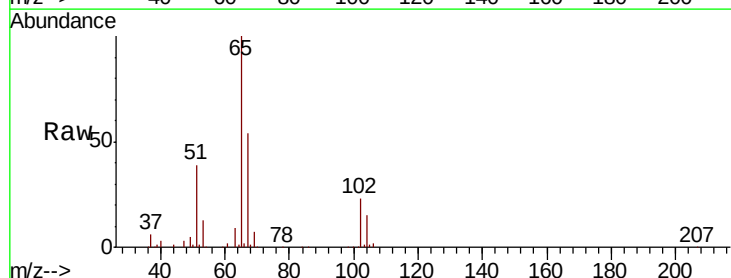
Acq: 26 Dec 2019 15:38

Tgt Ion: 65 Resp: 213212

Ion Ratio Lower Upper

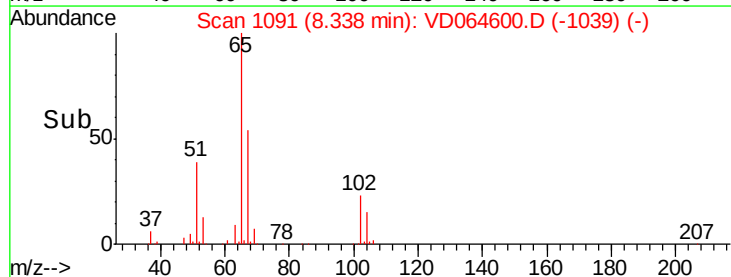
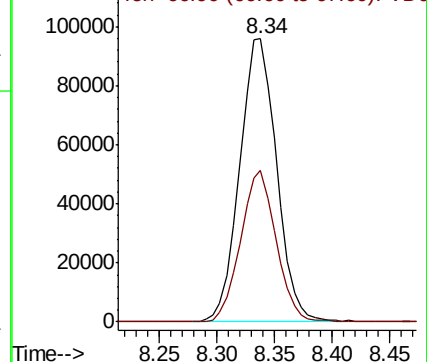
65 100

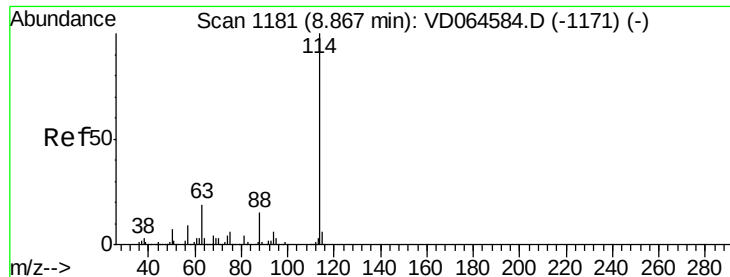
67 51.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

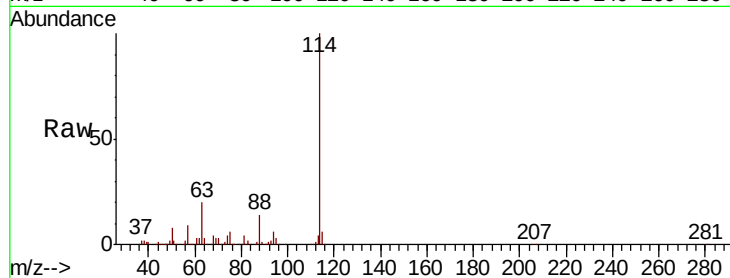




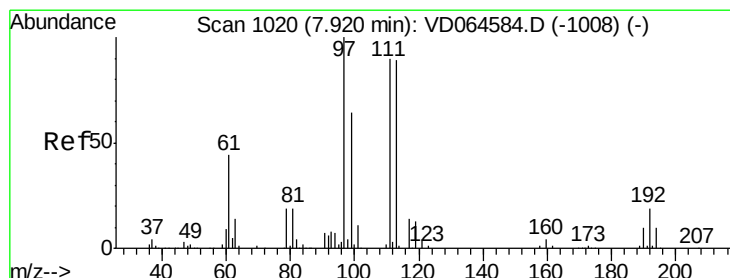
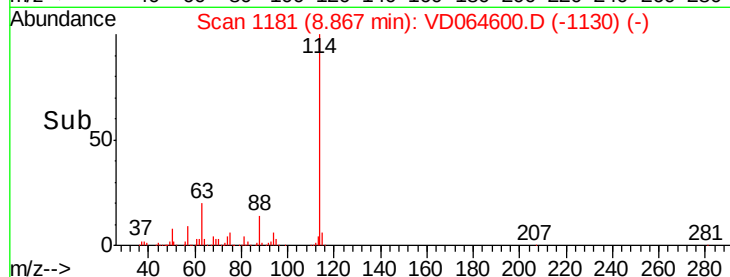
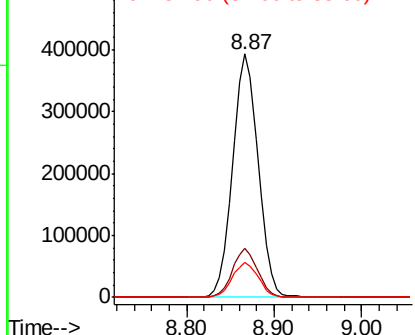
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064600.D
 Acq: 26 Dec 2019 15:38

Instrument :
 MSVOA_D
 ClientSampled :
 K009-SB-4

Tot Ion:114 Resp: 775241
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.0
 88 14.3 0.0 29.2

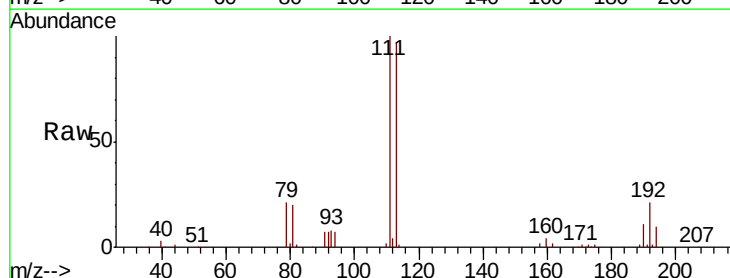


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

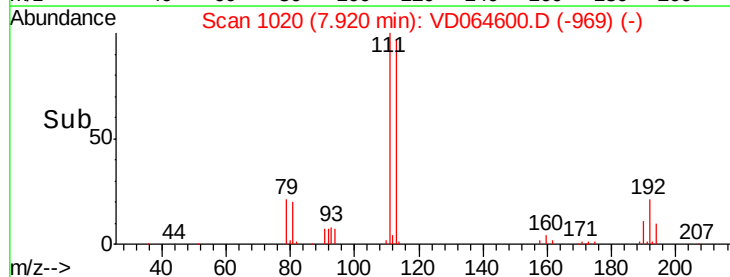
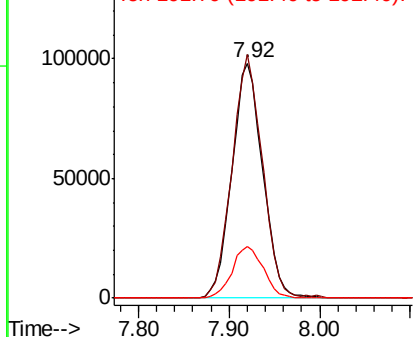


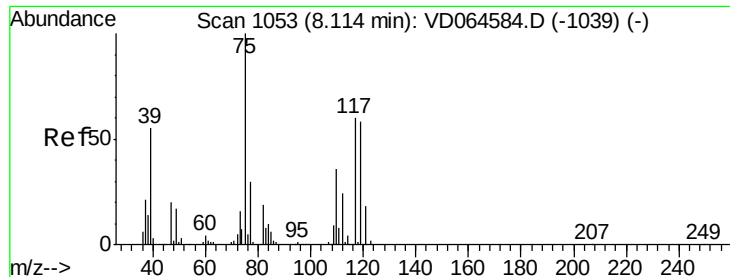
#35
 Dibromofluoromethane
 Concen: 48.741 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064600.D
 Acq: 26 Dec 2019 15:38

Tgt Ion:113 Resp: 231826
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.6 121.0
 192 22.3 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: 4.385 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

K009-SB-4

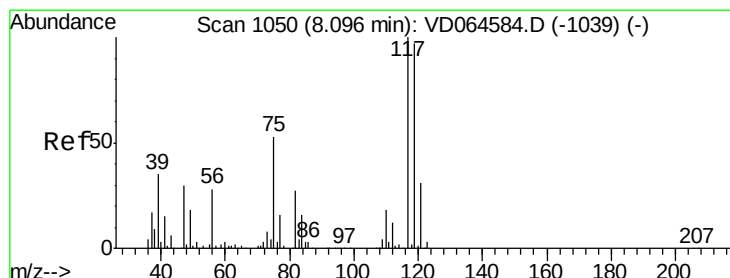
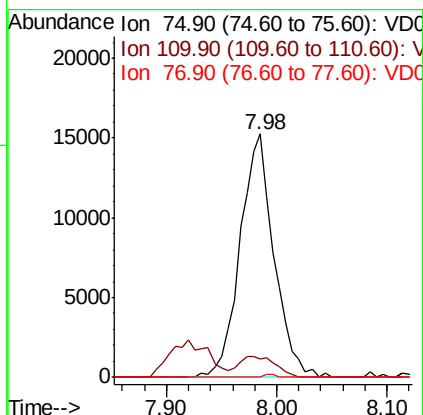
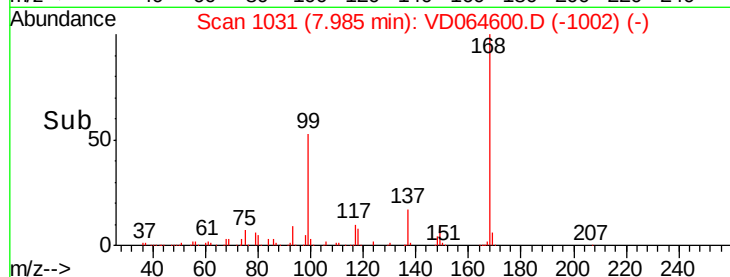
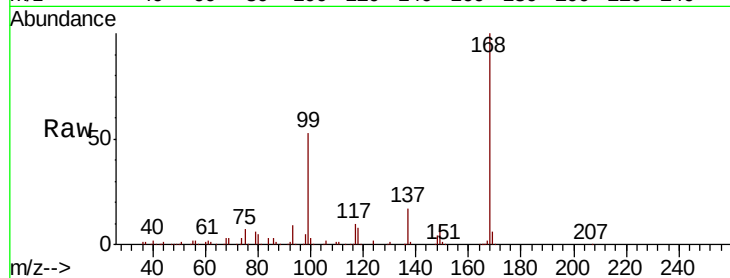
Tot Ion: 75 Resp: 32722

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.4 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.640 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

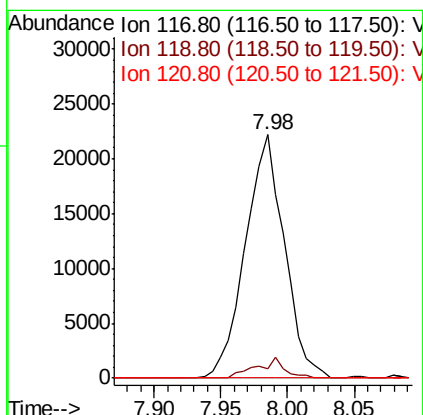
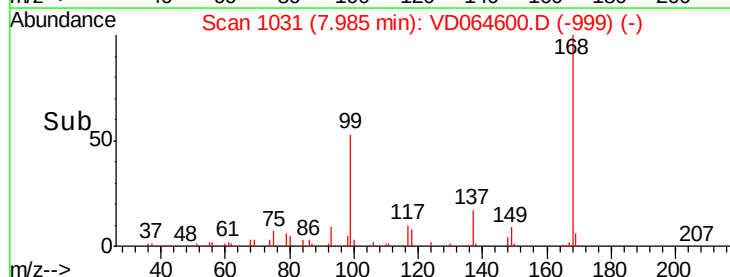
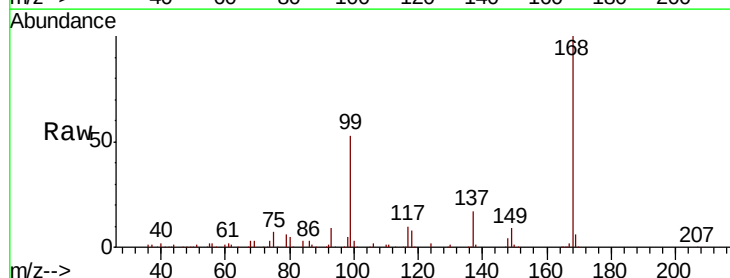
Tgt Ion: 117 Resp: 44872

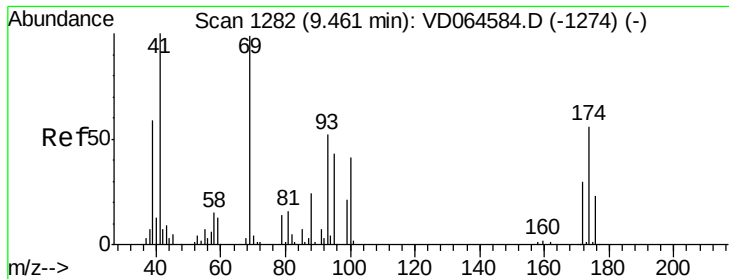
Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

121 0.0 25.0 37.6#

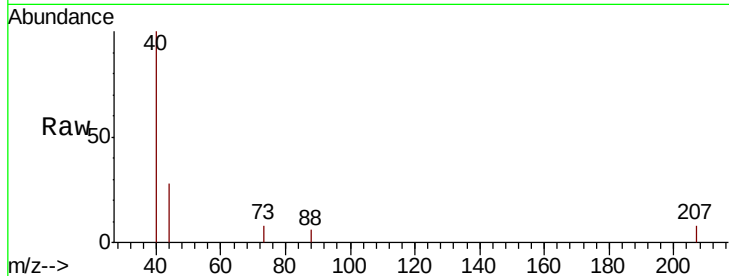




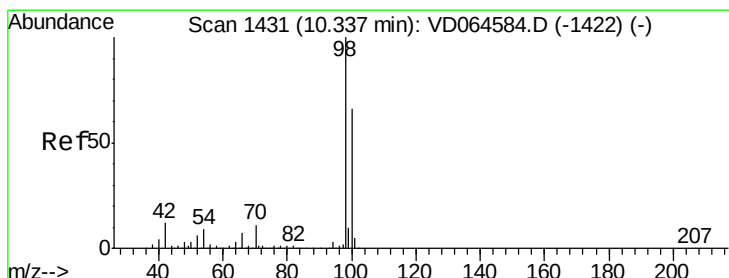
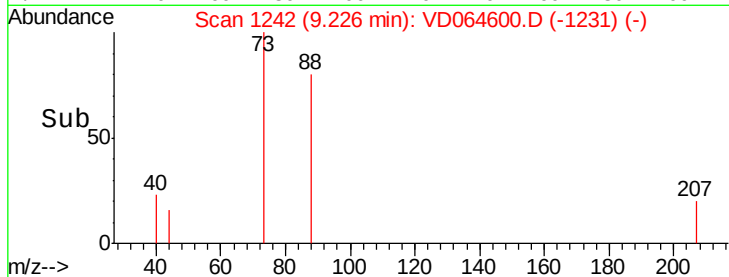
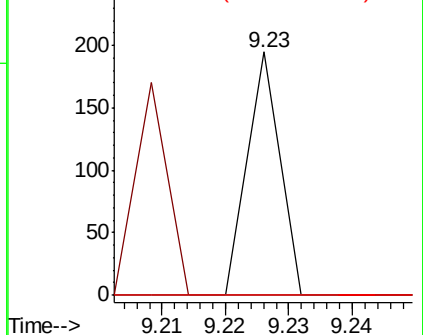
#49
 1,4-Dioxane
 Concen: 2.207 ug/l
 RT: 9.23 min Scan# 1242
 Delta R.T. -0.23 min
 Lab File: VD064600.D
 Acq: 26 Dec 2019 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 K009-SB-4

Tot Ion: 88 Resp: 69
 Ion Ratio Lower Upper
 88 100
 43 87.0 27.7 41.5#
 58 0.0 53.8 80.6#

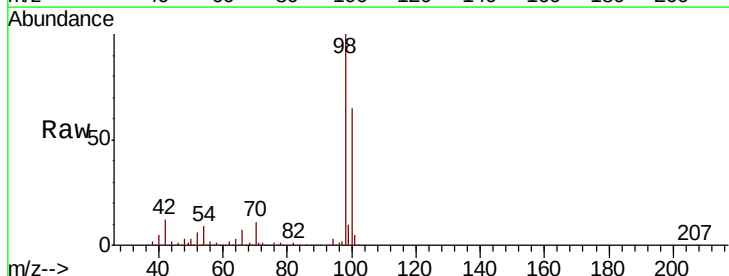


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

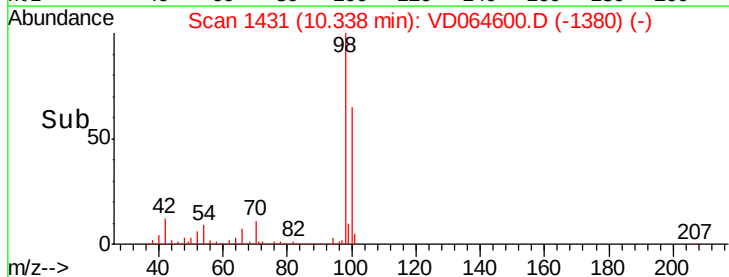
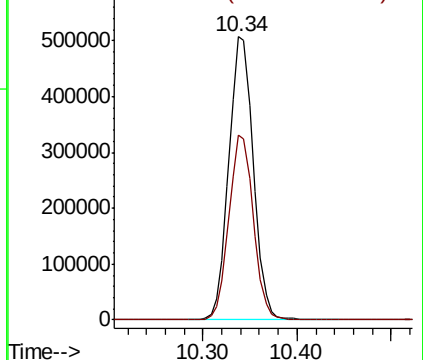


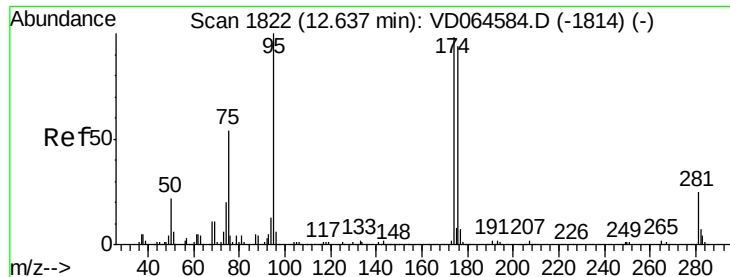
#50
 Toluene-d8
 Concen: 50.628 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064600.D
 Acq: 26 Dec 2019 15:38

Tgt Ion: 98 Resp: 922241
 Ion Ratio Lower Upper
 98 100
 100 65.0 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: 59.348 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

K009-SB-4

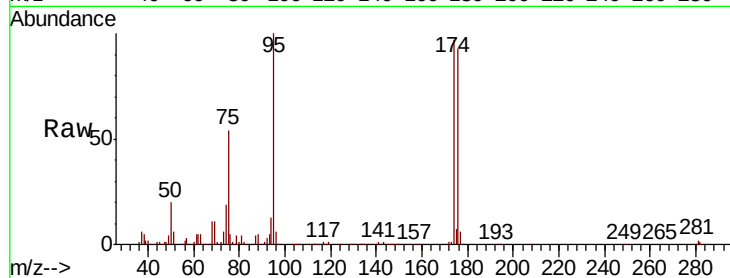
Tot Ion: 95 Resp: 341845

Ion Ratio Lower Upper

95 100

174 94.8 0.0 193.2

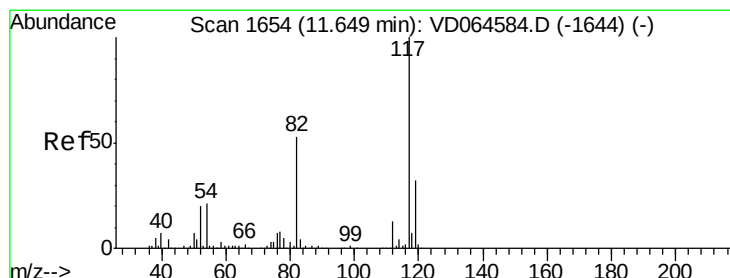
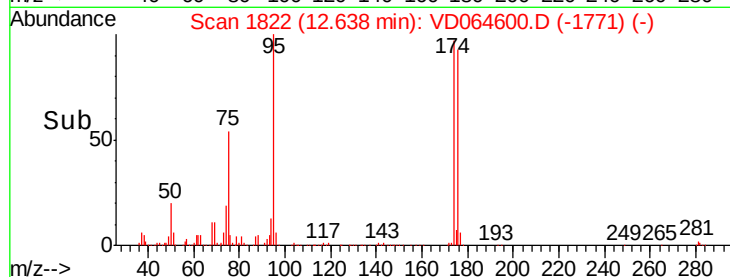
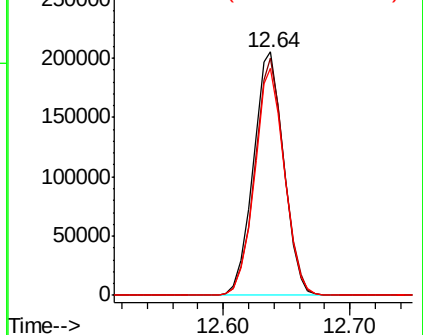
176 91.6 0.0 184.2



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: VD064600.D

Acq: 26 Dec 2019 15:38

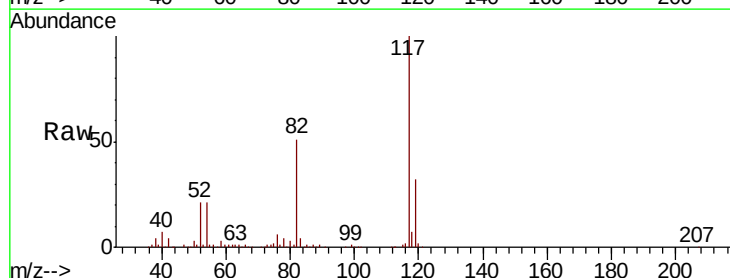
Tgt Ion: 117 Resp: 772768

Ion Ratio Lower Upper

117 100

82 50.8 42.2 63.4

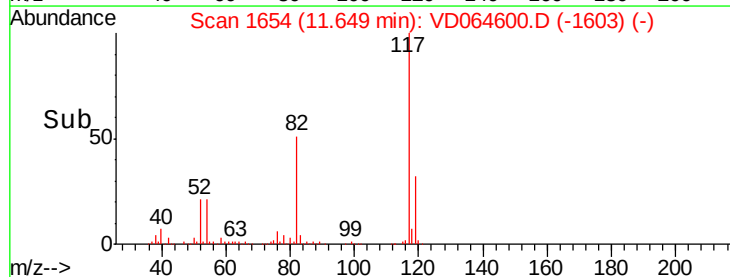
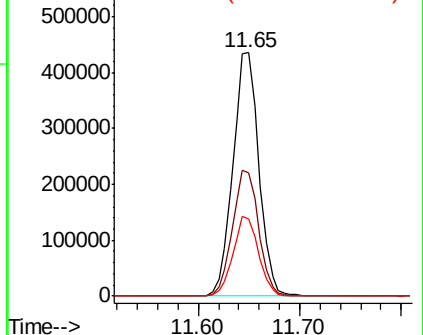
119 31.5 26.0 39.0

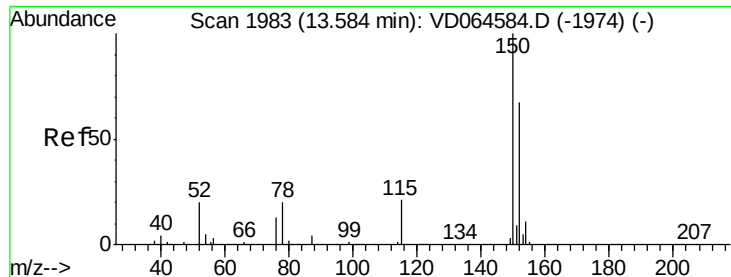


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. -0.01 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

K009-SB-4

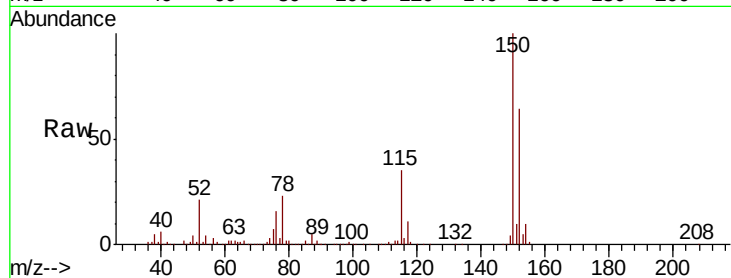
Tot Ion:152 Resp: 374175

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

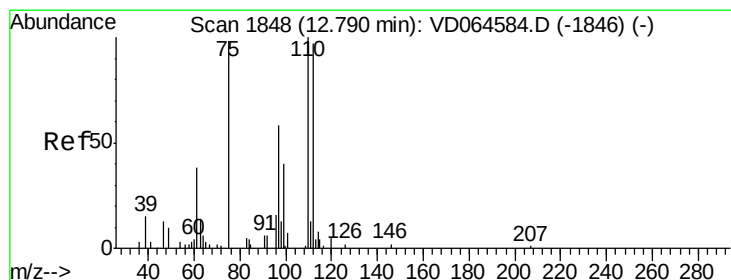
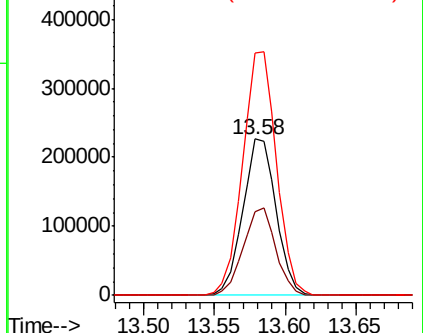
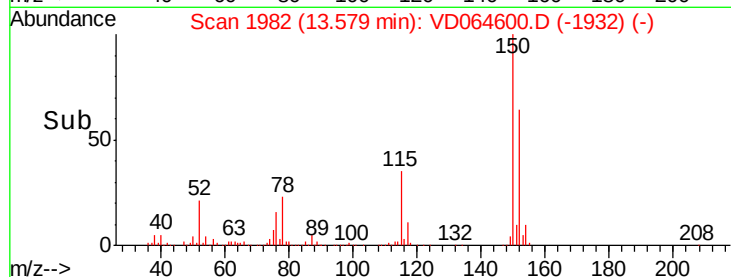
150 157.8 0.0 351.4



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: 60.462 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064600.D

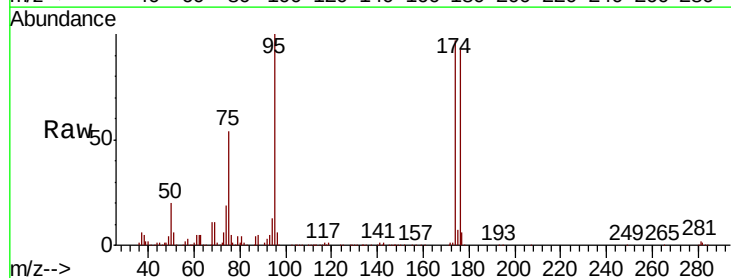
Acq: 26 Dec 2019 15:38

Tgt Ion: 75 Resp: 178649

Ion Ratio Lower Upper

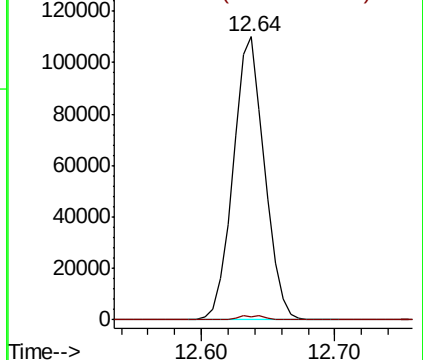
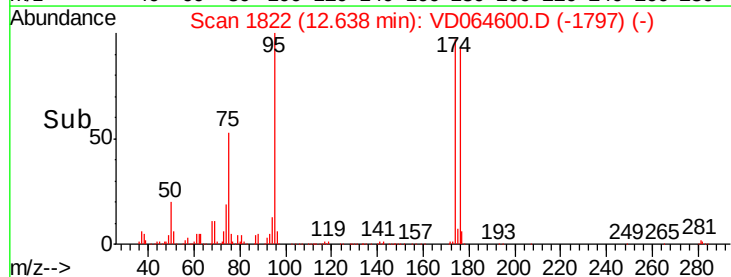
75 100

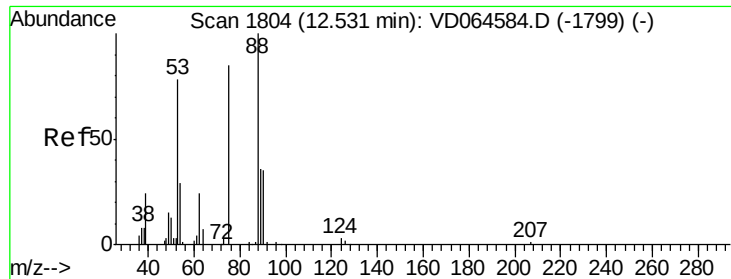
77 1.4 0.0 0.0#



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: 126.455 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064600.D

Acq: 26 Dec 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

K009-SB-4

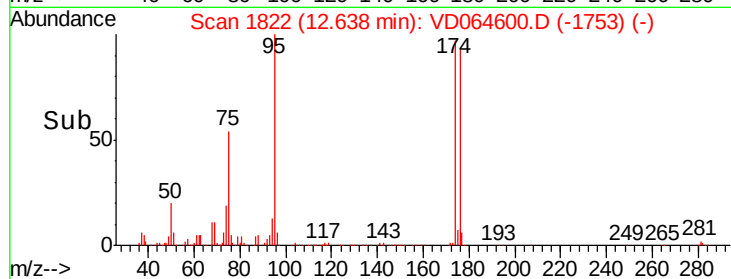
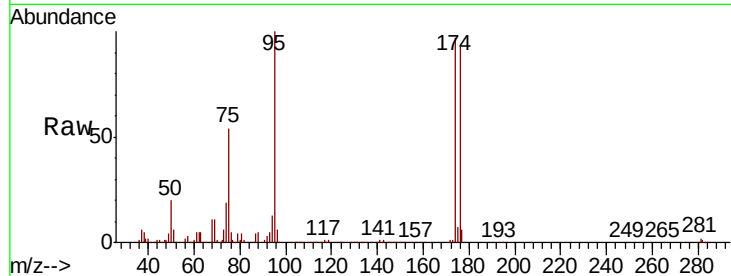
Tot Ion: 75 Resp: 178649

Ion Ratio Lower Upper

75 100

53 0.1 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

