

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064667.D
 Acq On : 28 Dec 2019 03:43
 Operator : VA/SY
 Sample : K6442-03
 Misc : 6.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 K615-SB3

Quant Time: Dec 30 01:04:53 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

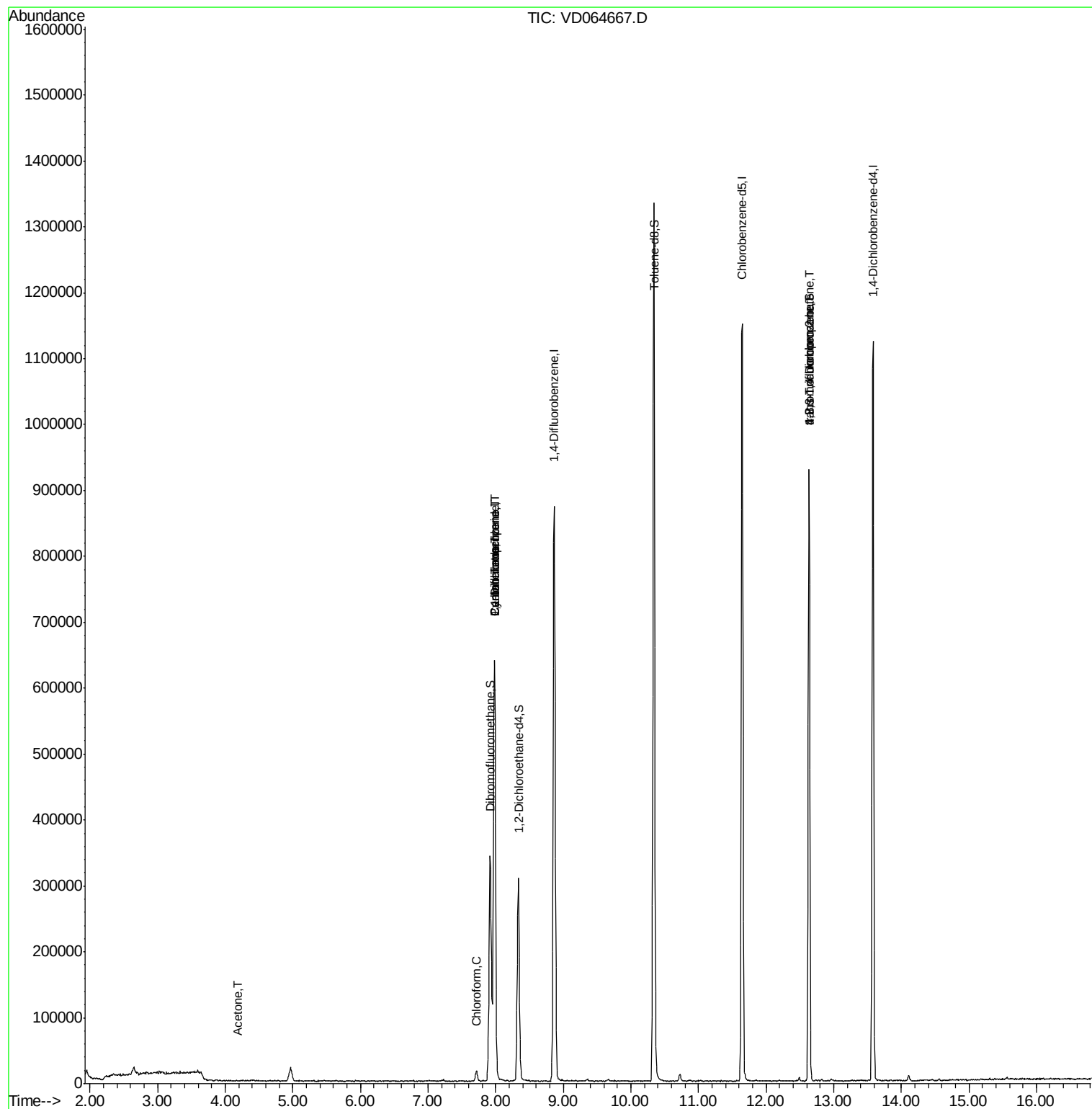
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	499774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	767839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	241142	54.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.44%	
35) Dibromofluoromethane	7.92	113	235184	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
50) Toluene-d8	10.34	98	913337	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.64	95	270752	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
Target Compounds						
					Qvalue	
16) Acetone	4.18	43	489	4.657	ug/l #	42
20) Methylene Chloride	4.96	84	14959	Below Cal	#	87
30) Chloroform	7.71	83	12802	1.486	ug/l #	83
31) Cyclohexane	7.98	56	10936	1.331	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	36021	4.874	ug/l #	51
38) Carbon Tetrachloride	7.98	117	47571	6.037	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	149621	63.043	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	149621	131.852	ug/l #	10

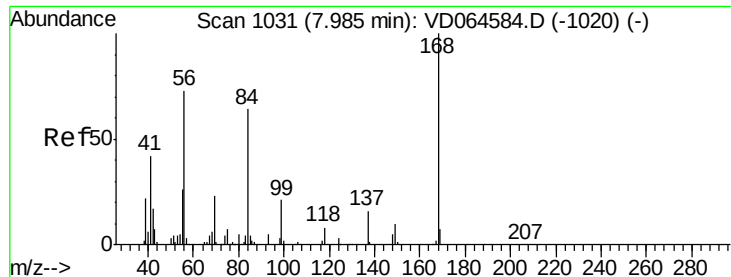
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 24 13:19:06 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064667.D

Acq: 28 Dec 2019 03:43

Instrument :

MSVOA_D

ClientSampleId :

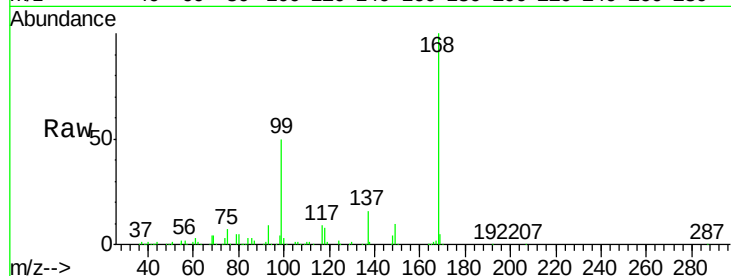
K615-SB3

Tgt Ion:168 Resp: 499774

Ion Ratio Lower Upper

168 100

99 50.3 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

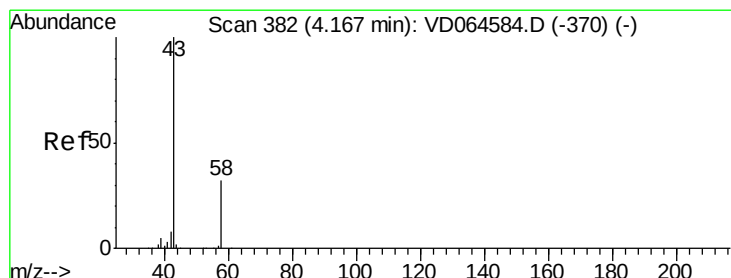
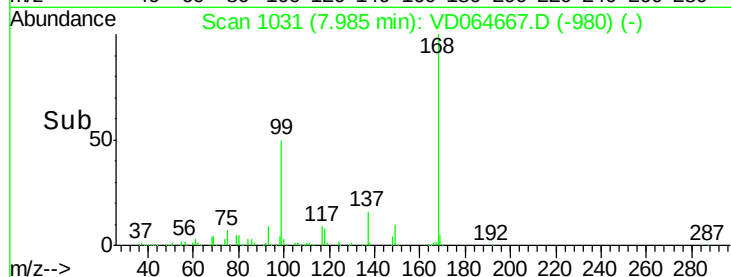
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.657 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064667.D

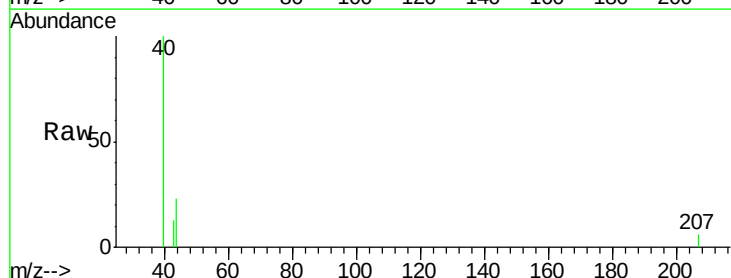
Acq: 28 Dec 2019 03:43

Tgt Ion: 43 Resp: 489

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

4.18

500

400

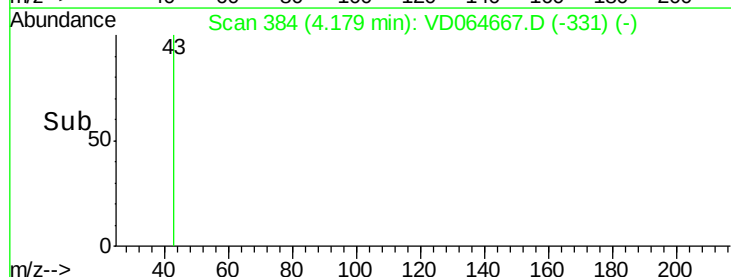
300

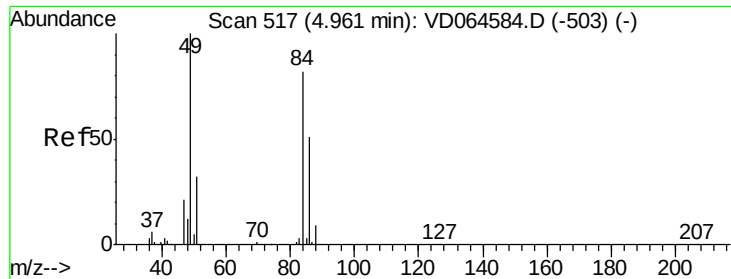
200

100

0

Time-->

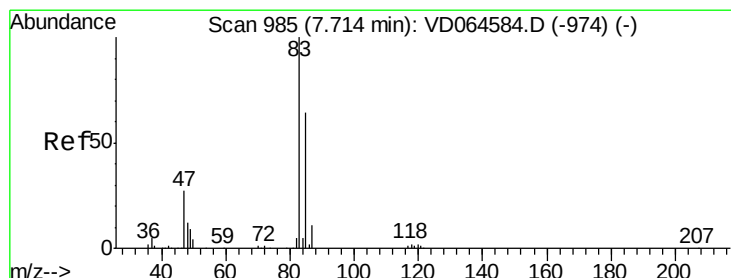
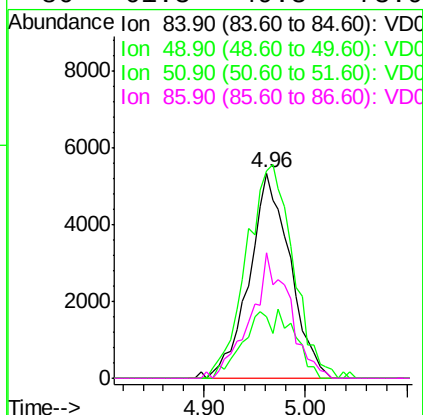
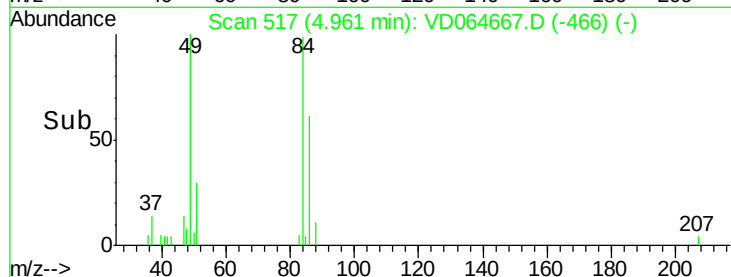
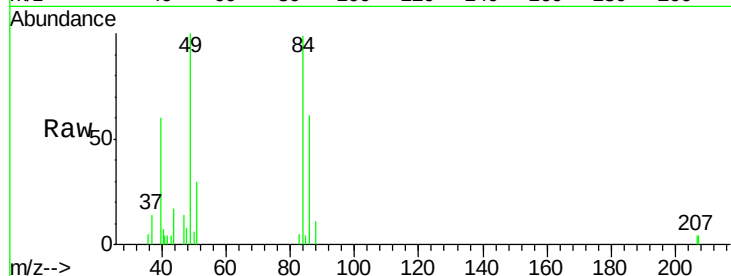




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064667.D
Acq: 28 Dec 2019 03:43

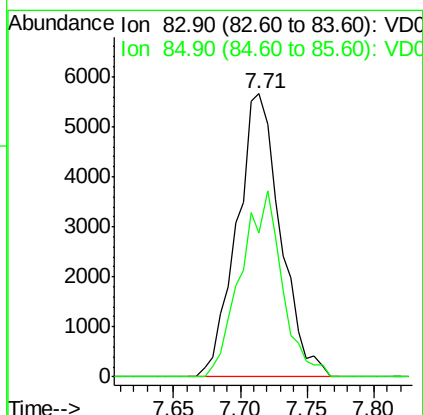
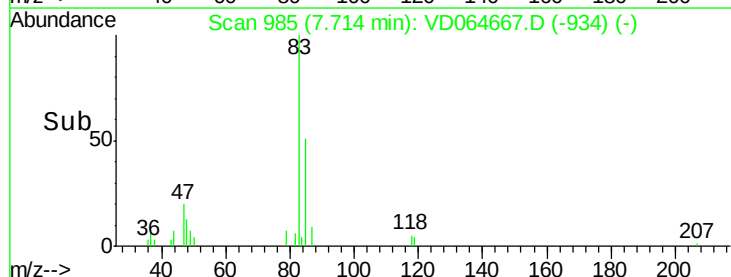
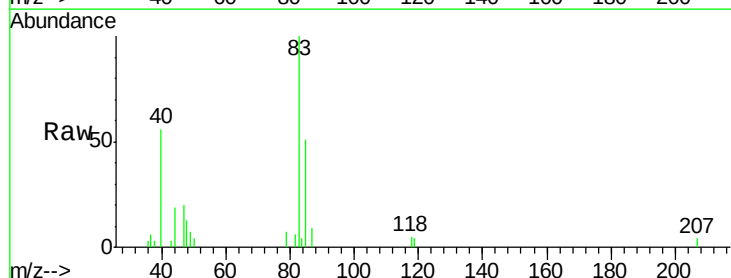
Instrument :
MSVOA_D
ClientSampleId :
K615-SB3

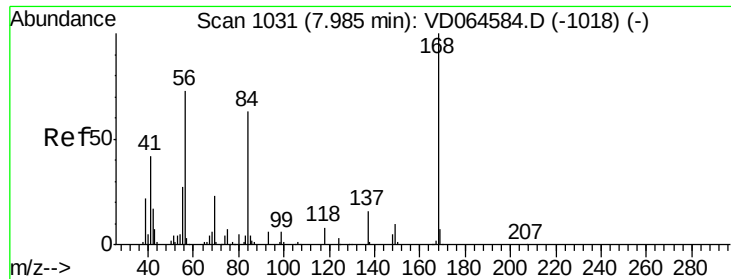
Tgt Ion: 84 Resp: 14959
Ion Ratio Lower Upper
84 100
49 101.2 97.2 145.8
51 30.1 31.4 47.0#
86 61.3 49.3 73.9



#30
Chloroform
Concen: 1.486 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064667.D
Acq: 28 Dec 2019 03:43

Tgt Ion: 83 Resp: 12802
Ion Ratio Lower Upper
83 100
85 50.9 51.1 76.7#

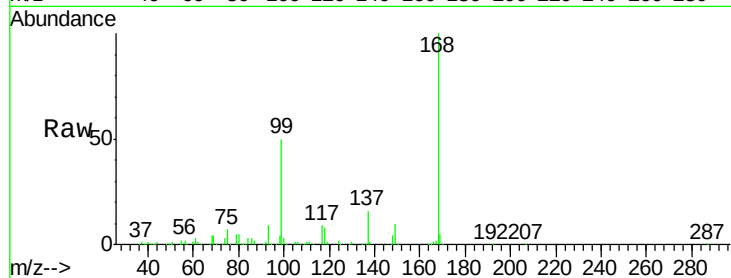




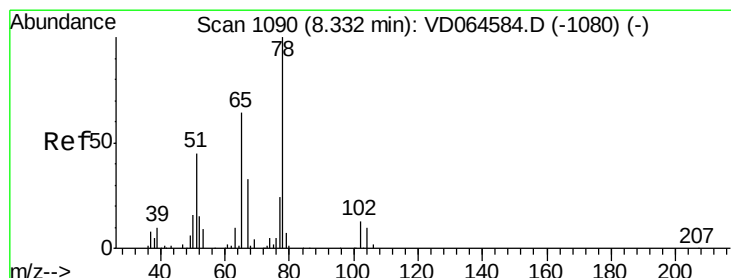
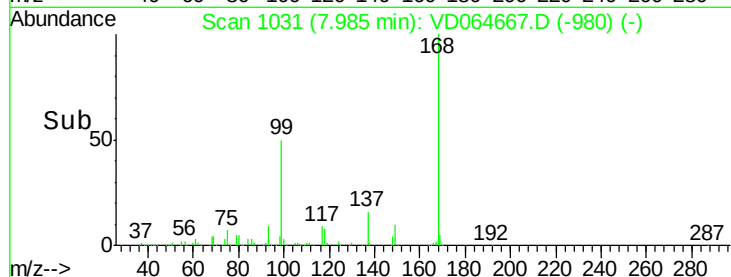
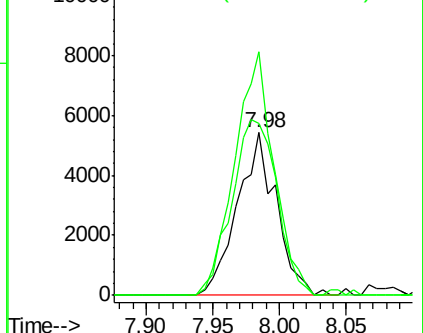
#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064667.D
Acq: 28 Dec 2019 03:43

Instrument :
MSVOA_D
ClientSampleId :
K615-SB3

Tgt Ion: 56 Resp: 10936
Ion Ratio Lower Upper
56 100
69 149.8 24.7 37.1#
84 106.2 69.4 104.2#

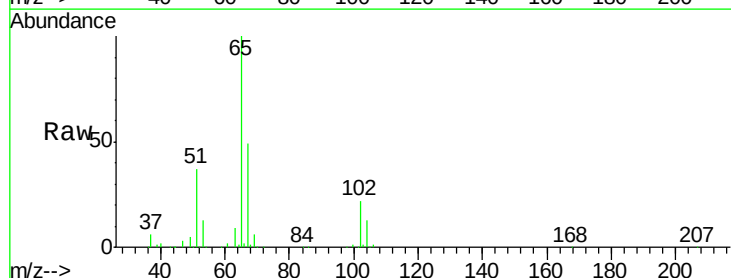


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

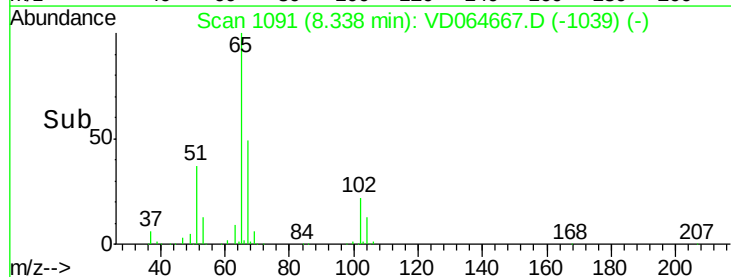
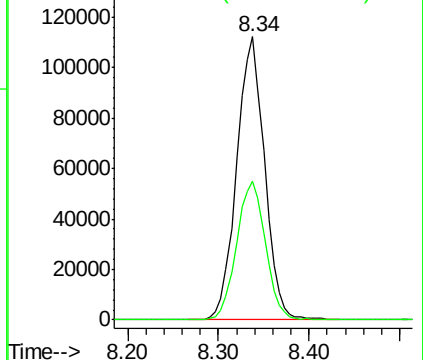


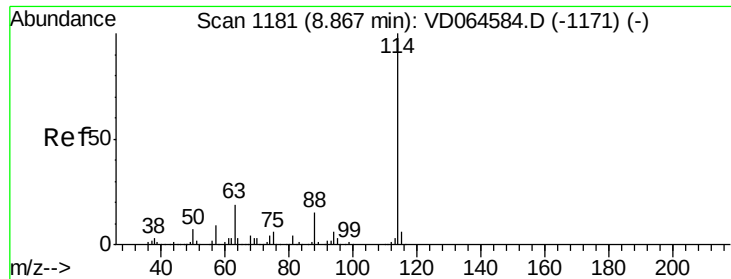
#33
1,2-Dichloroethane-d4
Concen: 54.719 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064667.D
Acq: 28 Dec 2019 03:43

Tgt Ion: 65 Resp: 241142
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

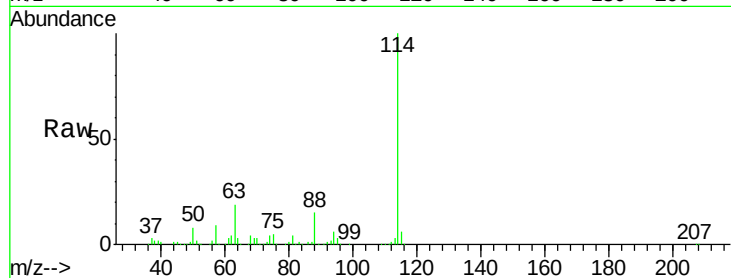




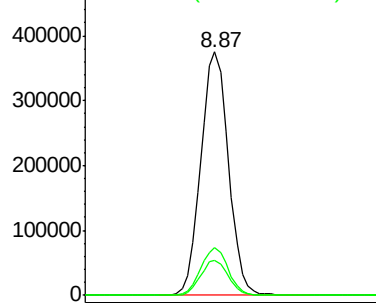
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064667.D
 Acq: 28 Dec 2019 03:43

Instrument :
 MSVOA_D
 ClientSampleId :
 K615-SB3

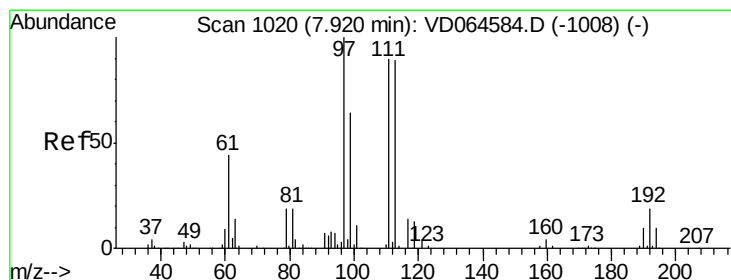
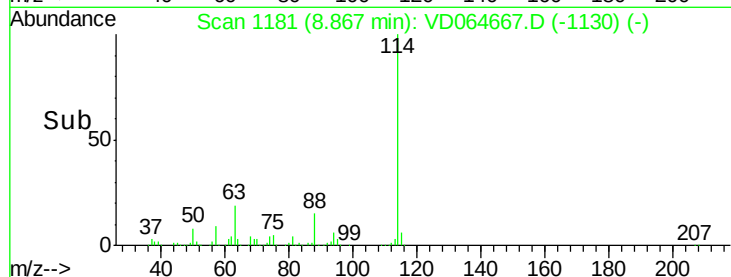
Tgt Ion:114 Resp: 767839
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 14.5 0.0 29.2



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

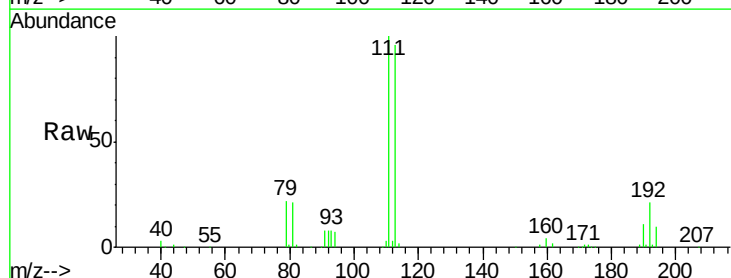


Time-->

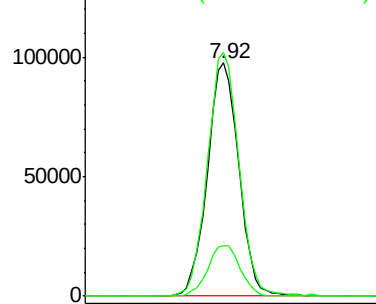


#35
 Dibromofluoromethane
 Concen: 49.924 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064667.D
 Acq: 28 Dec 2019 03:43

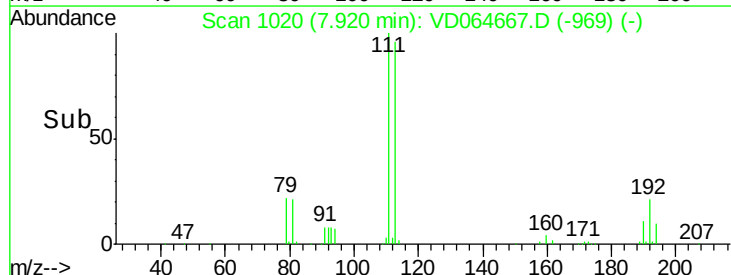
Tgt Ion:113 Resp: 235184
 Ion Ratio Lower Upper
 113 100
 111 104.7 80.6 121.0
 192 22.3 17.9 26.9

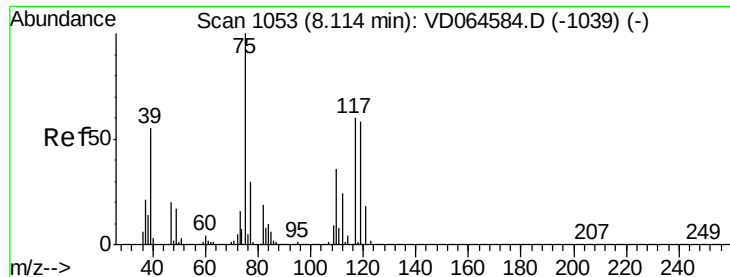


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064667.D

Acq: 28 Dec 2019 03:43

Instrument :

MSVOA_D

ClientSampleId :

K615-SB3

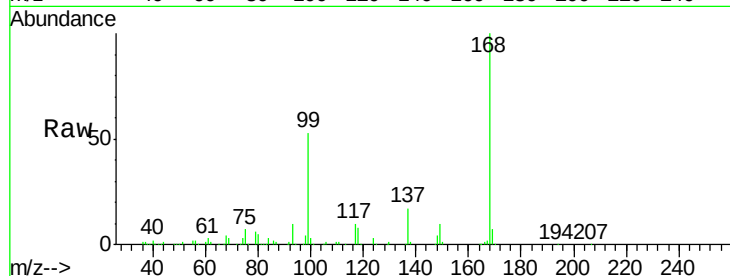
Tgt Ion: 75 Resp: 36021

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

77 0.0 24.2 36.4#

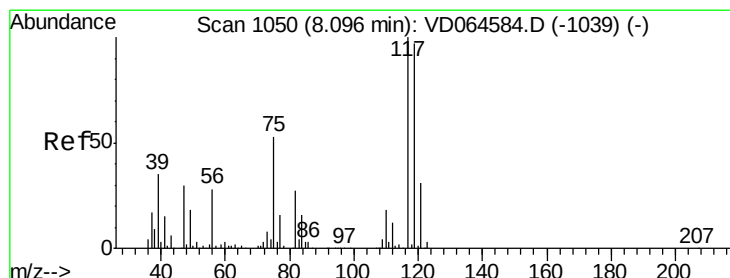
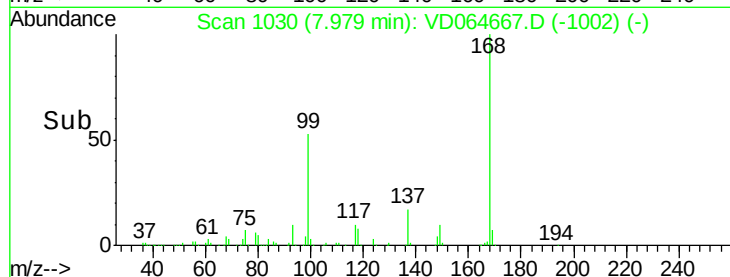


Abundance Ion 74.90 (74.60 to 75.60): VD064584.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD064584.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD064584.D (-1039) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.037 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064667.D

Acq: 28 Dec 2019 03:43

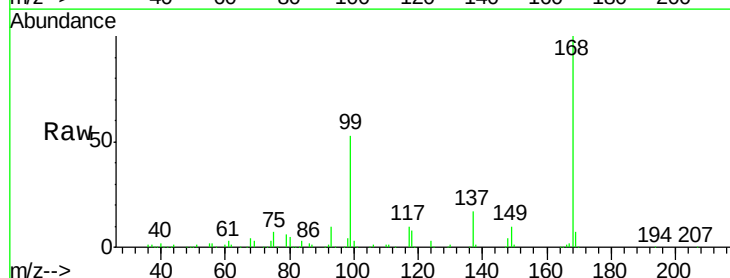
Tgt Ion: 117 Resp: 47571

Ion Ratio Lower Upper

117 100

119 2.8 77.3 115.9#

121 0.0 25.0 37.6#

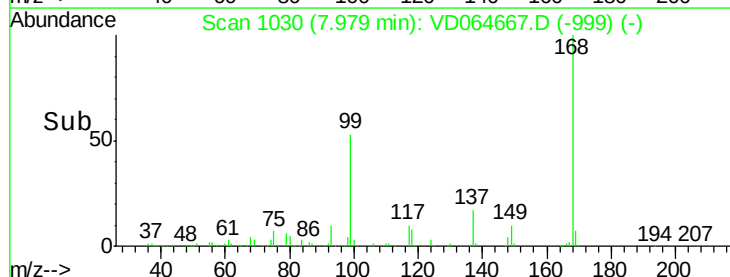


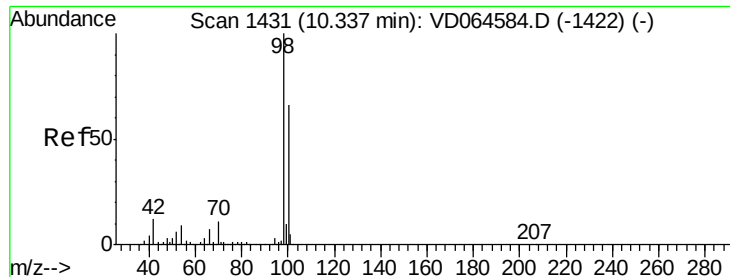
Abundance Ion 116.80 (116.50 to 117.50): VD064584.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD064584.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD064584.D (-1039) (-)

Time-->





#50

Toluene-d8

Concen: 50.623 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064667.D

Acq: 28 Dec 2019 03:43

Instrument :

MSVOA_D

ClientSampleId :

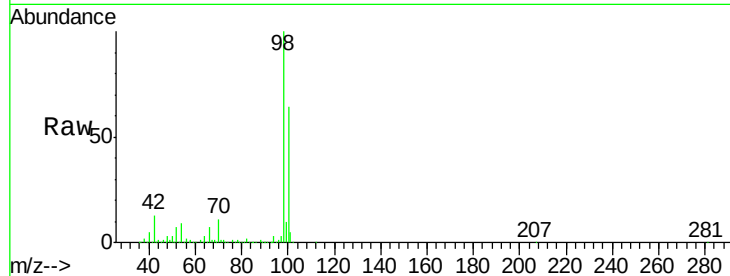
K615-SB3

Tgt Ion: 98 Resp: 913337

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VD064584.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD064584.D (-1422) (-)

10.34

500000

400000

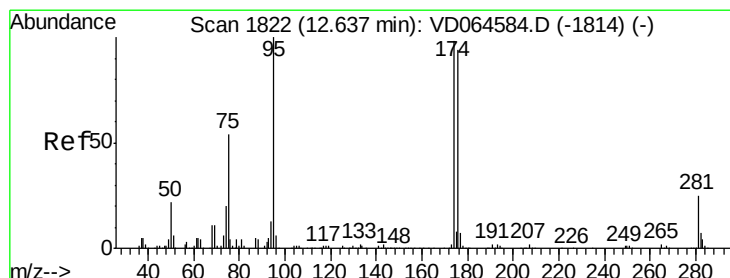
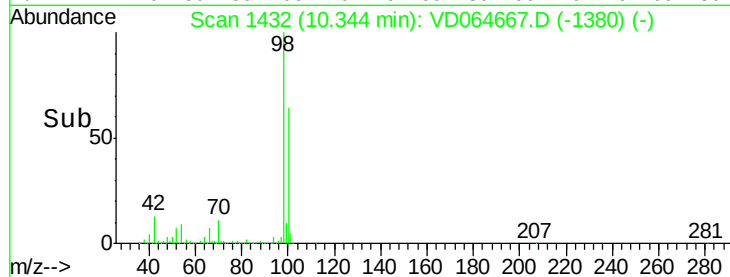
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.458 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064667.D

Acq: 28 Dec 2019 03:43

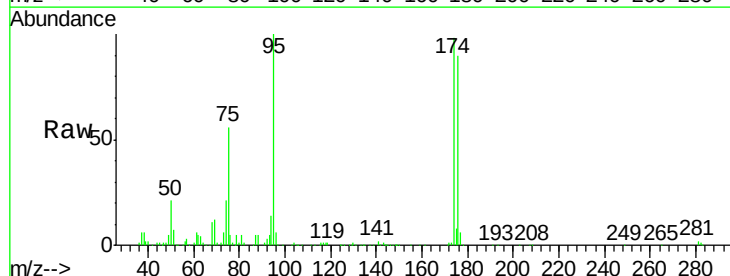
Tgt Ion: 95 Resp: 270752

Ion Ratio Lower Upper

95 100

174 94.8 0.0 193.2

176 90.9 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VD064584.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD064584.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD064584.D (-1814) (-)

12.64

200000

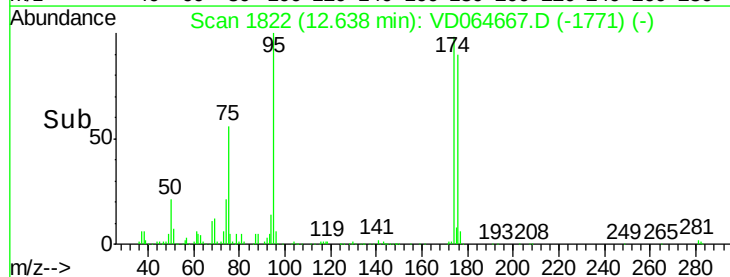
150000

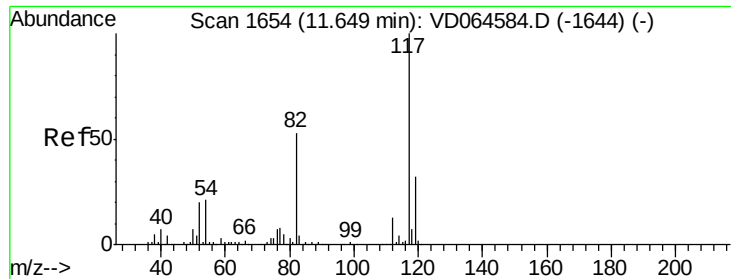
100000

50000

0

Time-->

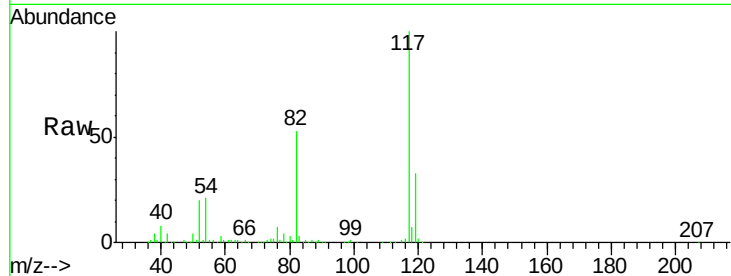




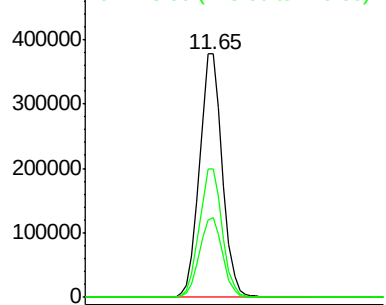
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064667.D
Acq: 28 Dec 2019 03:43

Instrument :
MSVOA_D
ClientSampled :
K615-SB3

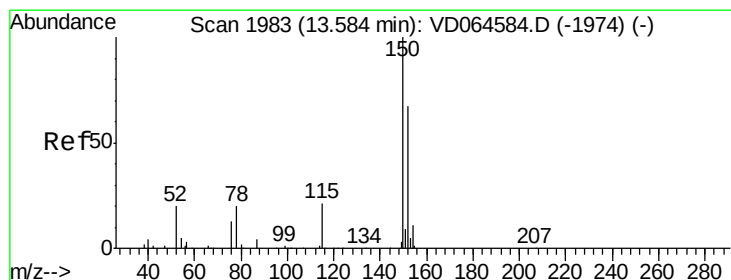
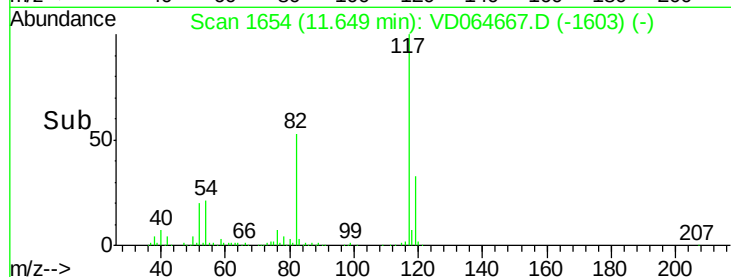
Tgt Ion:117 Resp: 661527
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.4
119 32.7 26.0 39.0



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

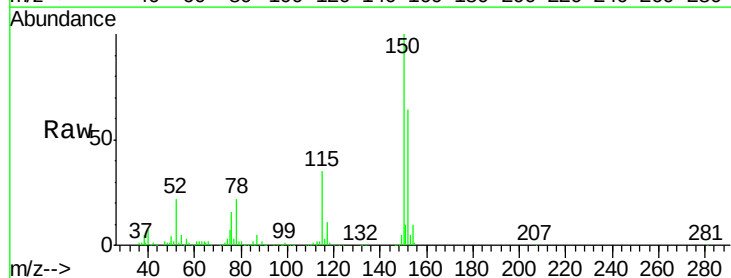


Time-->

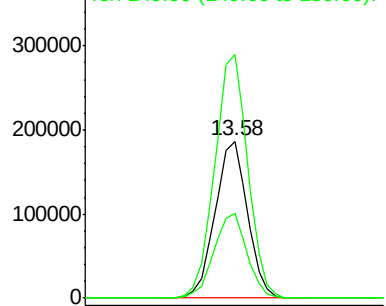


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064667.D
Acq: 28 Dec 2019 03:43

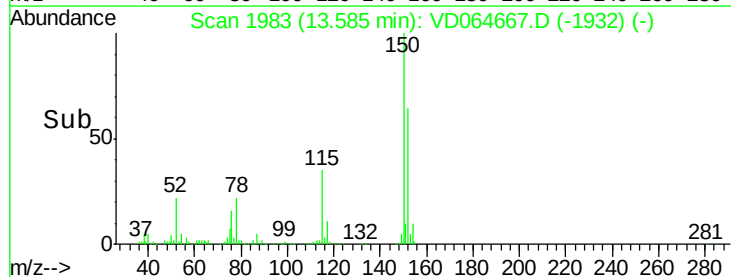
Tgt Ion:152 Resp: 300549
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.4
150 158.1 0.0 351.4

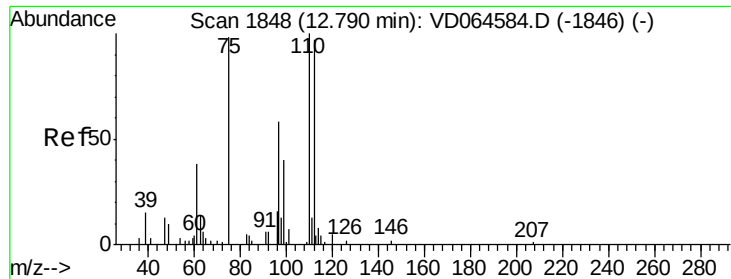


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 63.043 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064667.D

Acq: 28 Dec 2019 03:43

Instrument :

MSVOA_D

ClientSampleId :

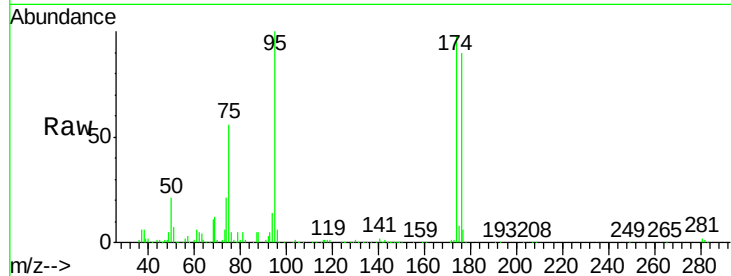
K615-SB3

Tgt Ion: 75 Resp: 149621

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

100000

80000

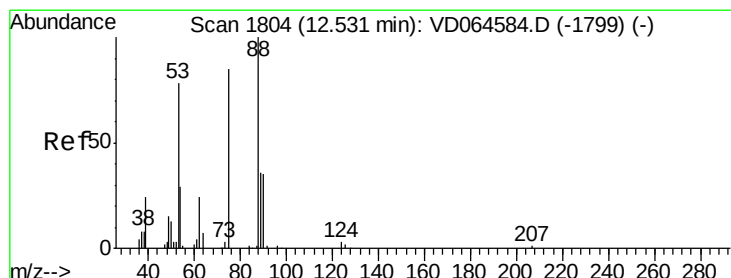
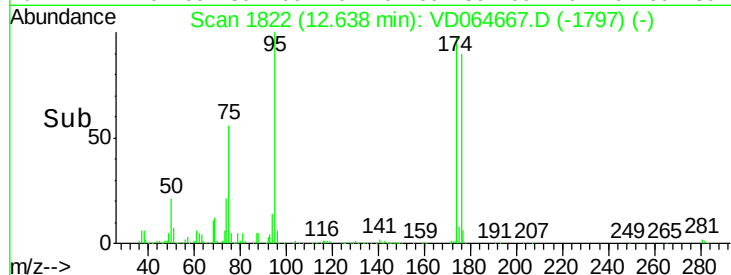
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 131.852 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064667.D

Acq: 28 Dec 2019 03:43

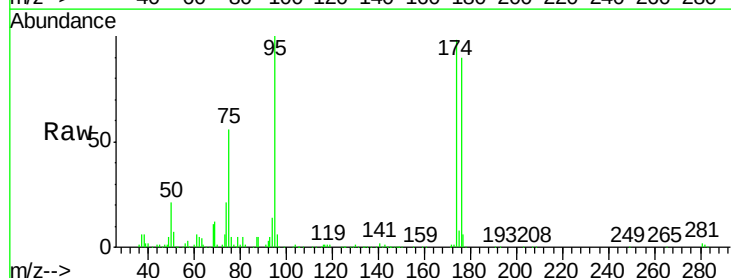
Tgt Ion: 75 Resp: 149621

Ion Ratio Lower Upper

75 100

53 0.2 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

12.64

120000

100000

80000

60000

40000

20000

0

Time-->

