

Data File : VD064494.D
Acq On : 11 Dec 2019 11:42
Operator : VA/SY
Sample : VD1211SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBL01

Quant Time: Dec 12 03:03:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	656979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	637830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	191840	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.91	113	201548	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	804652	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.64	95	270092	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	

Target Compounds

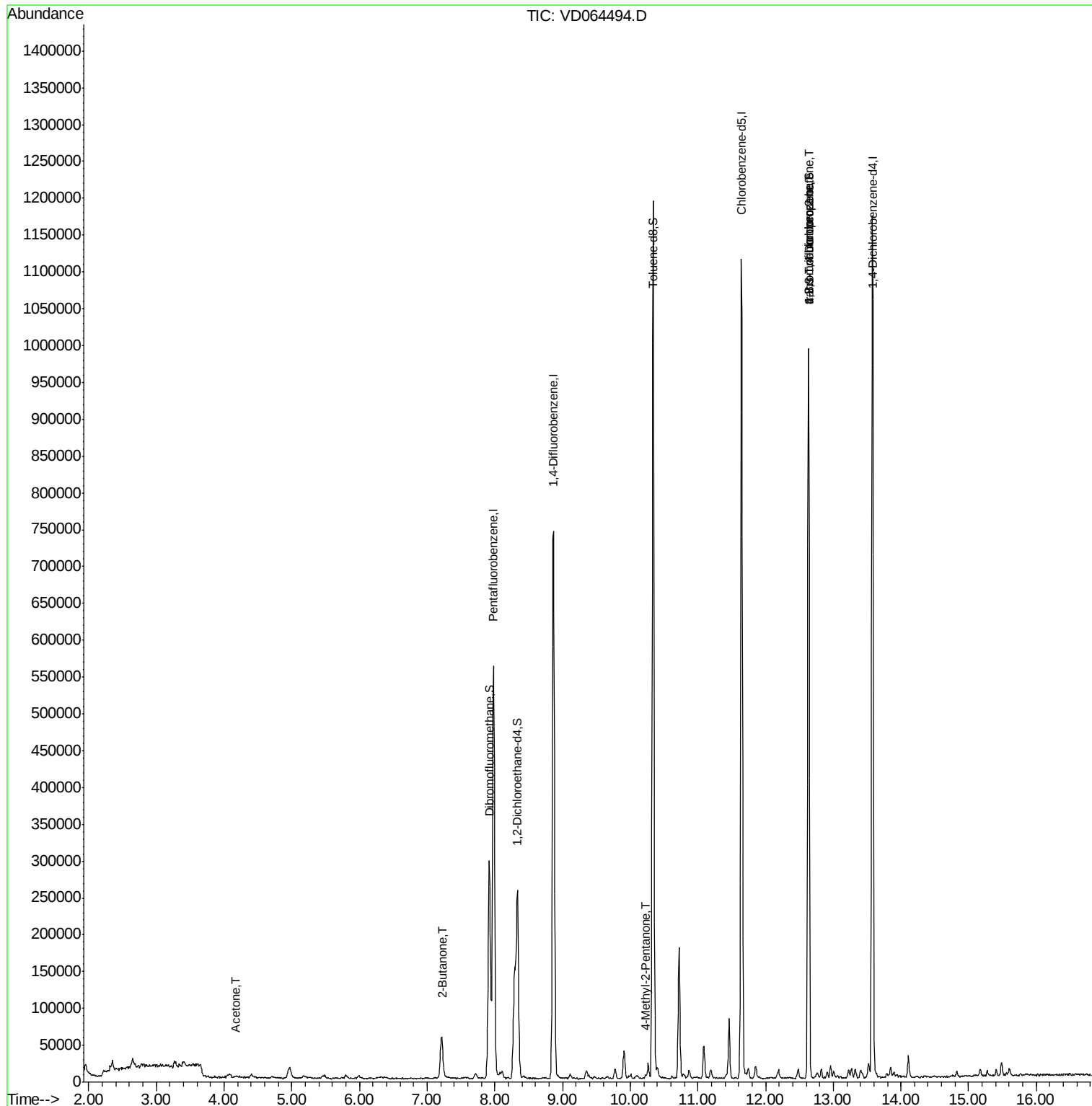
					Qvalue	
16) Acetone	4.17	43	4842	6.131 ug/l	#	68
20) Methylene Chloride	4.95	84	4774	Below Cal	#	85
25) 2-Butanone	7.23	43	3059	2.739 ug/l	#	49
31) Cyclohexane	7.98	56	12878	Below Cal	#	30
51) 4-Methyl-2-Pentanone	10.23	43	3198	1.247 ug/l	#	79
76) 1,2,3-Trichloropropane	12.63	75	144704	55.669 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	144704	121.388 ug/l	#	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	592	Below Cal	#	4

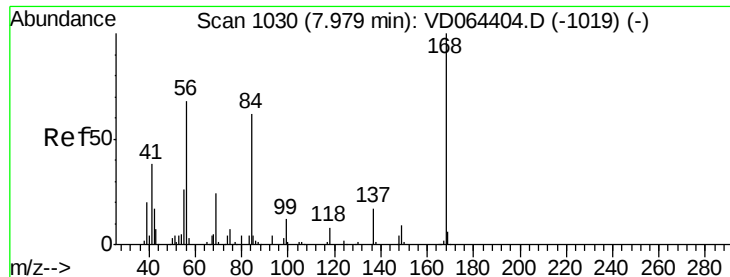
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064494.D

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MSVOA_D

ClientSampleId :

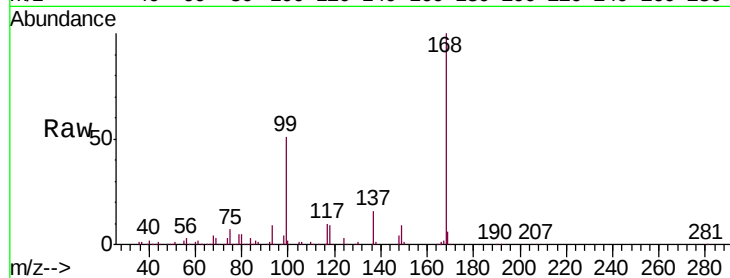
VD1211SBL01

Tgt Ion:168 Resp: 431747

Ion Ratio Lower Upper

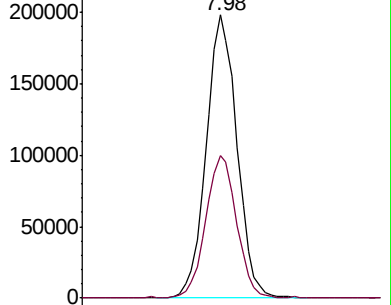
168 100

99 50.4 40.7 61.1

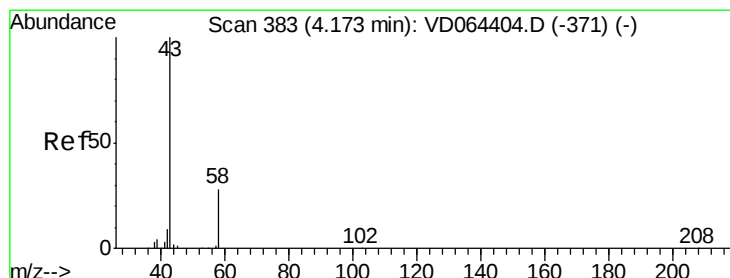
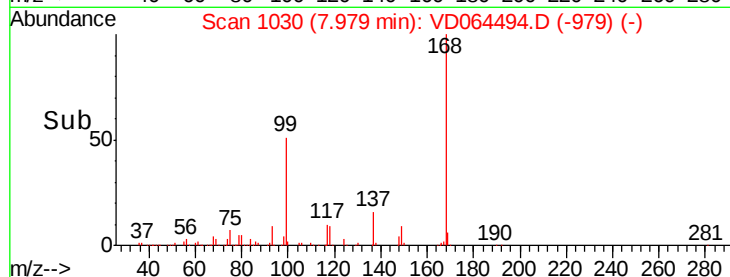


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#16

Acetone

Concen: 6.131 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064494.D

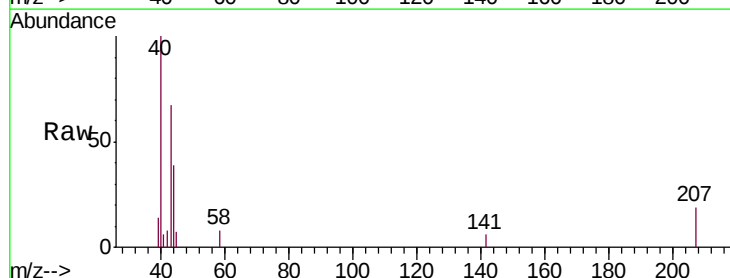
Acq: 11 Dec 2019 11:42

Tgt Ion: 43 Resp: 4842

Ion Ratio Lower Upper

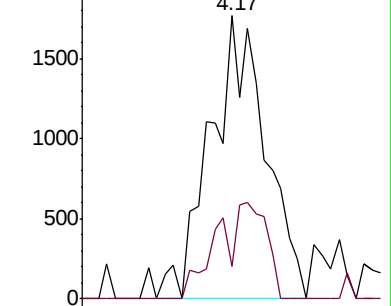
43 100

58 11.4 22.6 33.8#

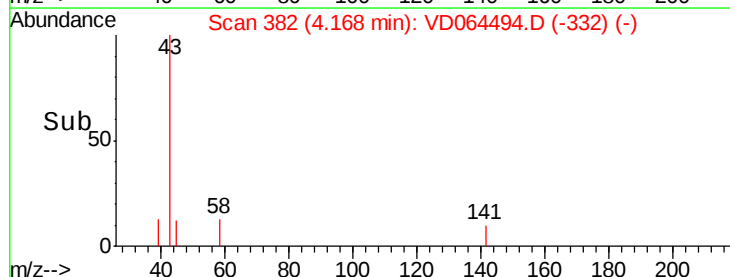


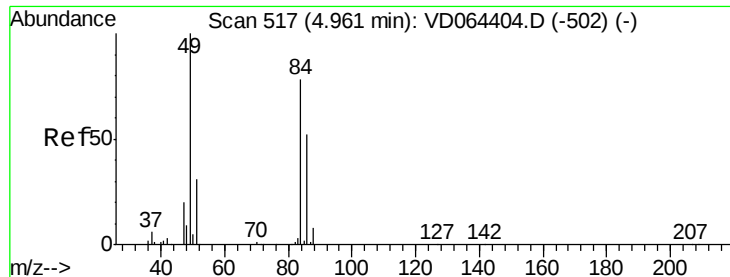
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->

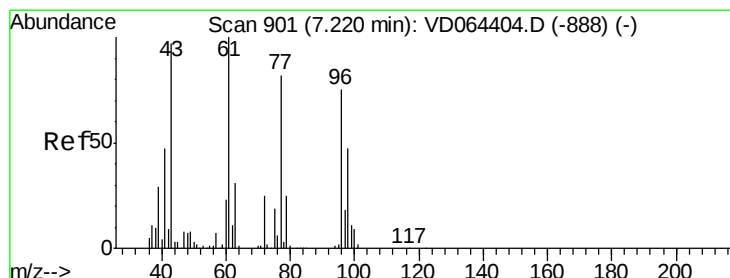
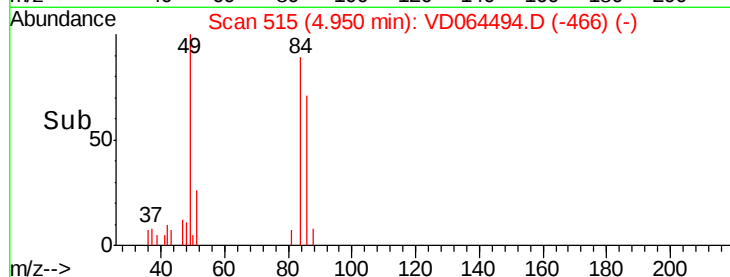
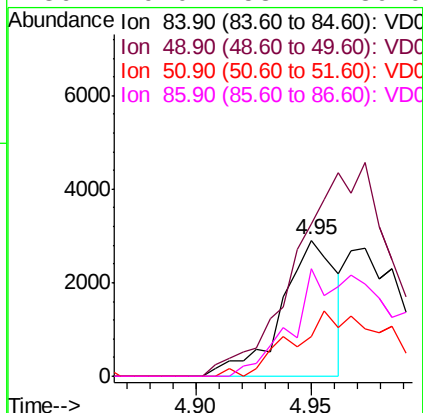
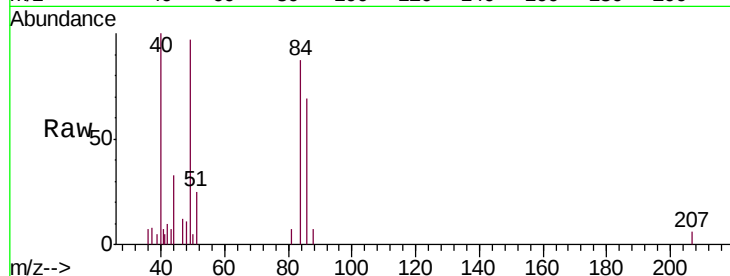




#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD064494.D
Acq: 11 Dec 2019 11:42

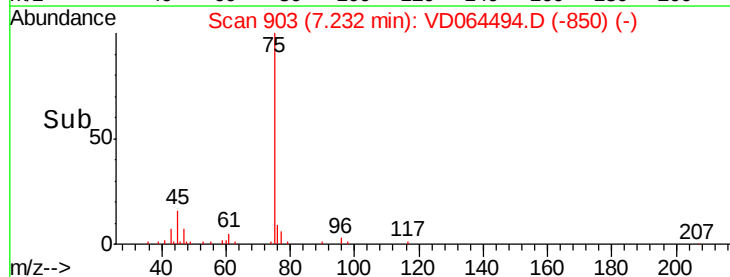
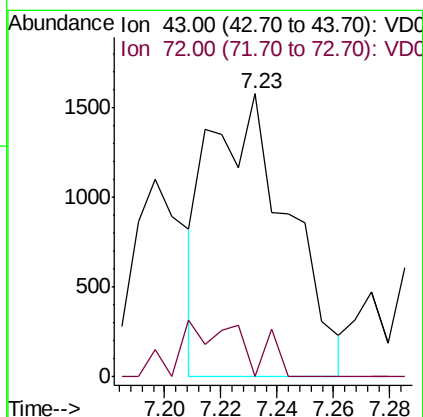
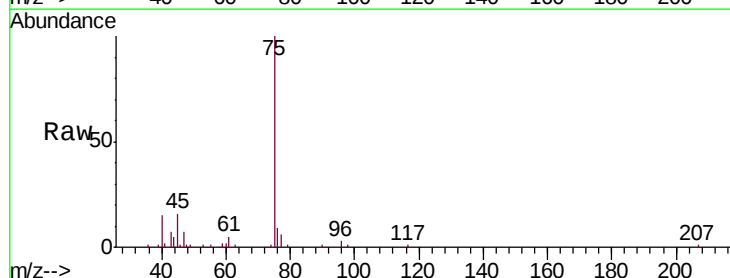
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBL01

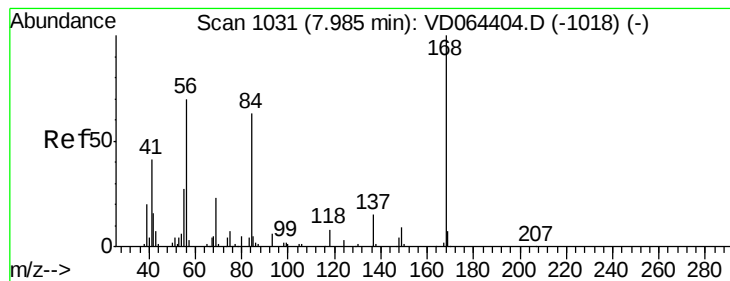
Tgt Ion: 84 Resp: 4774
Ion Ratio Lower Upper
84 100
49 111.8 102.6 153.8
51 29.1 32.0 48.0#
86 79.0 53.4 80.0



#25
2-Butanone
Concen: 2.739 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064494.D
Acq: 11 Dec 2019 11:42

Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBL01

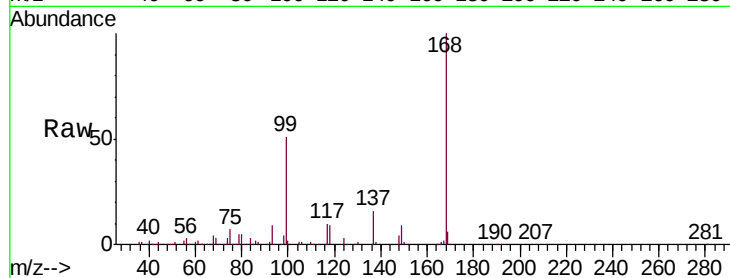
Tgt Ion: 56 Resp: 12878

Ion Ratio Lower Upper

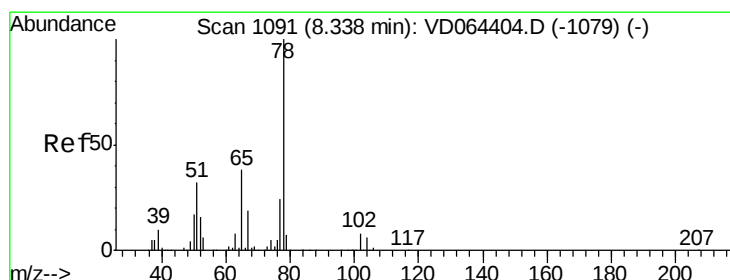
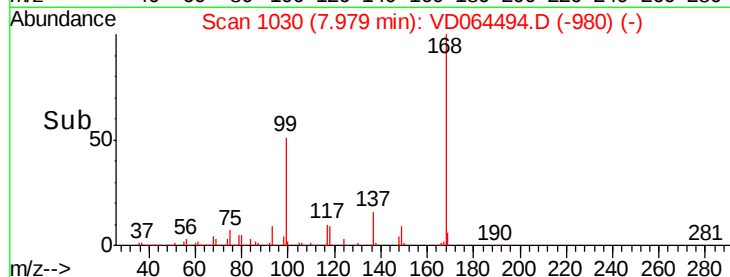
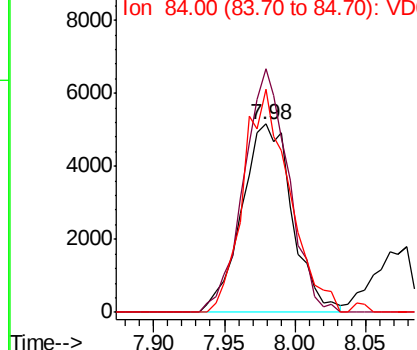
56 100

69 129.2 26.2 39.4#

84 118.2 70.3 105.5#



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: 49.090 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064494.D

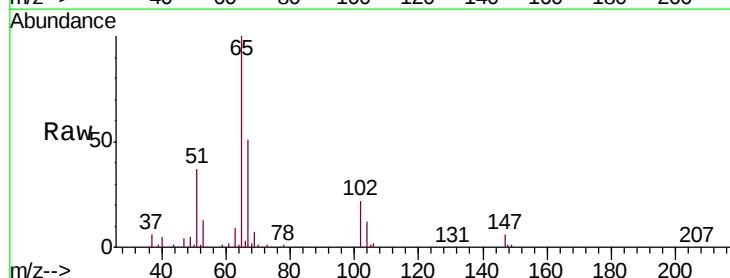
Acq: 11 Dec 2019 11:42

Tgt Ion: 65 Resp: 191840

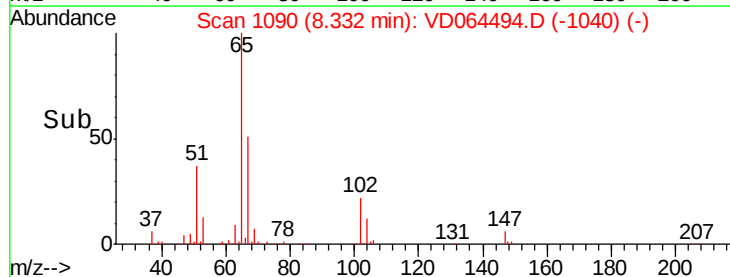
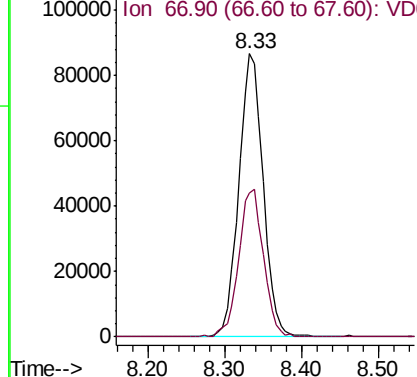
Ion Ratio Lower Upper

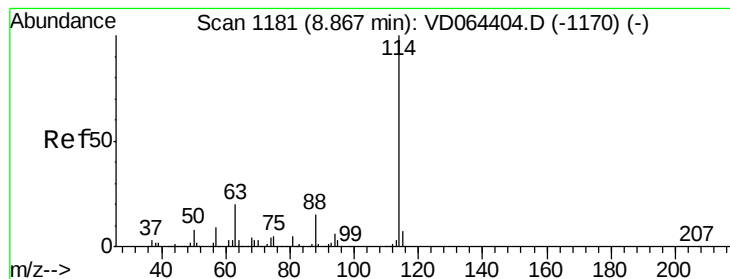
65 100

67 53.1 0.0 102.0



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: VD064494.D

Acq: 11 Dec 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBL01

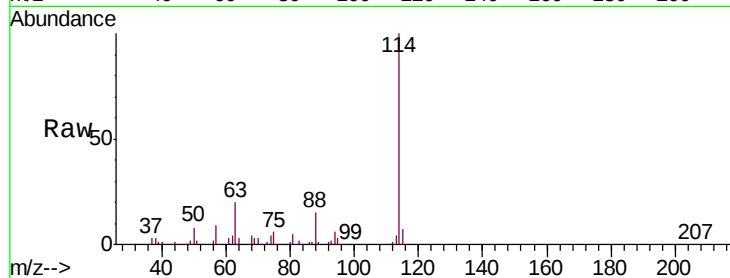
Tgt Ion:114 Resp: 656979

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

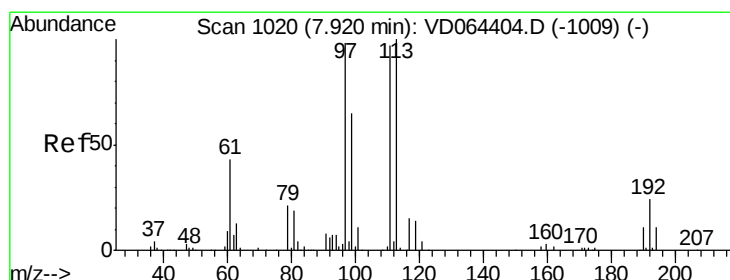
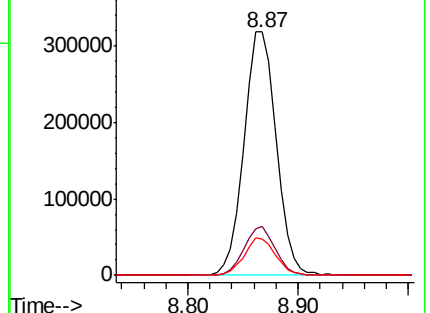
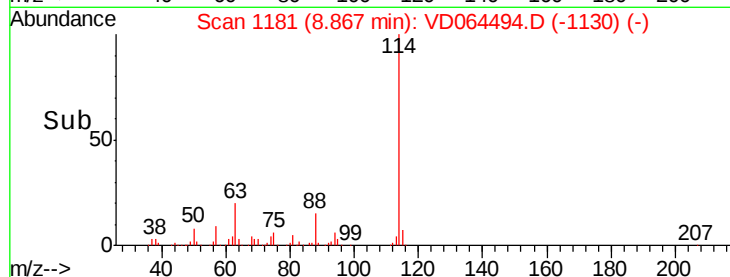
88 14.7 0.0 29.2



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: 48.691 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

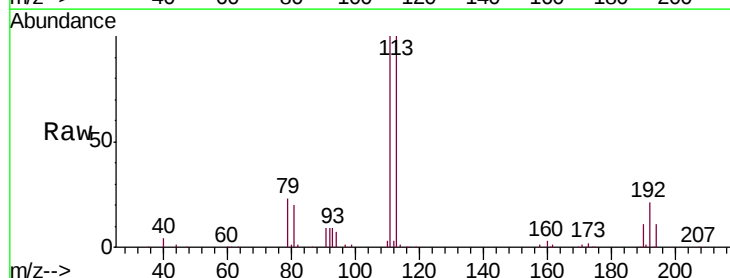
Tgt Ion:113 Resp: 201548

Ion Ratio Lower Upper

113 100

111 103.4 79.4 119.2

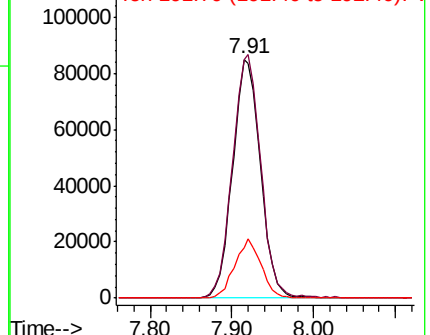
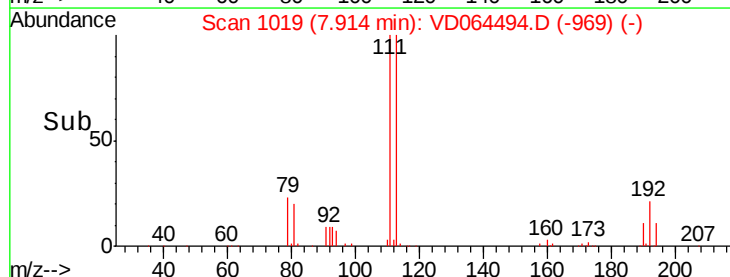
192 23.7 18.6 28.0

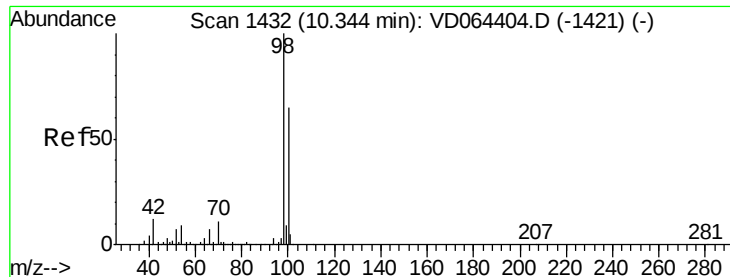


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.606 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

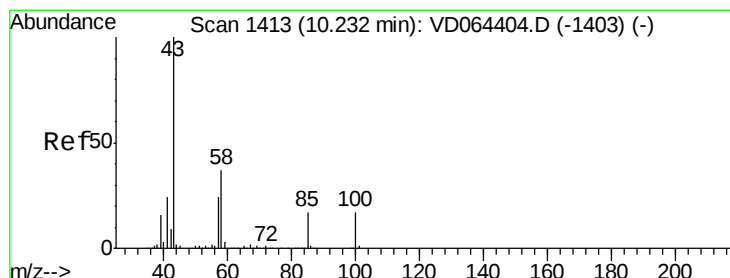
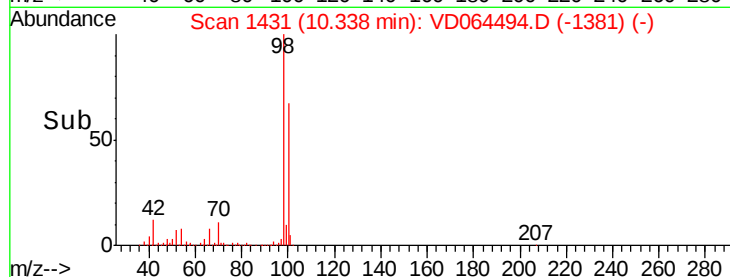
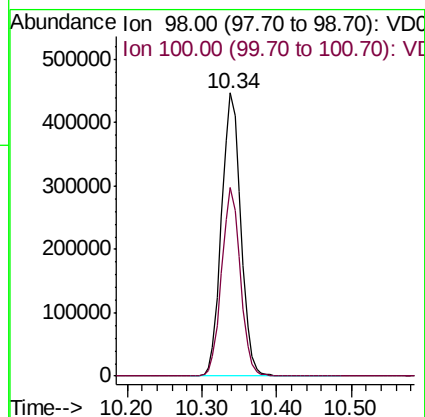
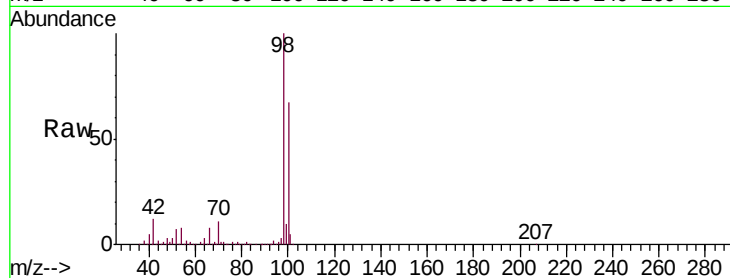
VD1211SBL01

Tgt Ion: 98 Resp: 804652

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0



#51

4-Methyl-2-Pentanone

Concen: 1.247 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD064494.D

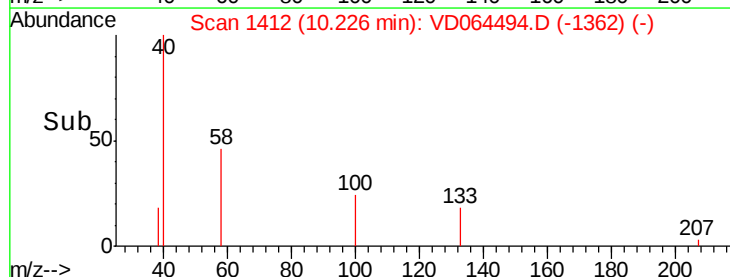
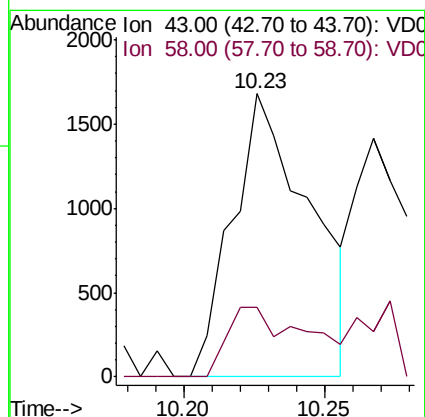
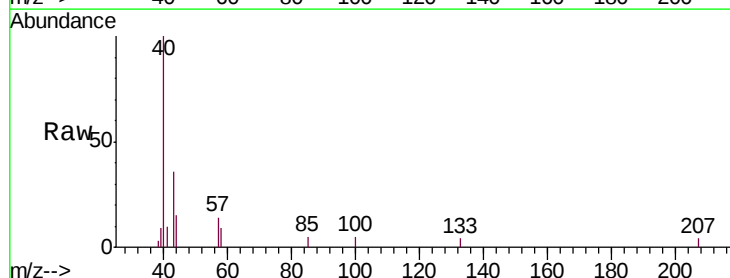
Acq: 11 Dec 2019 11:42

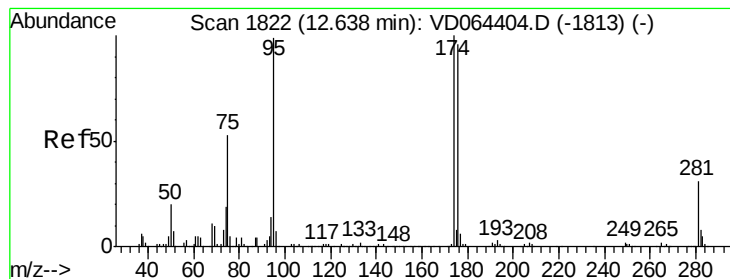
Tgt Ion: 43 Resp: 3198

Ion Ratio Lower Upper

43 100

58 25.4 30.6 46.0#





#62

4-Bromofluorobenzene

Concen: 53.901 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBL01

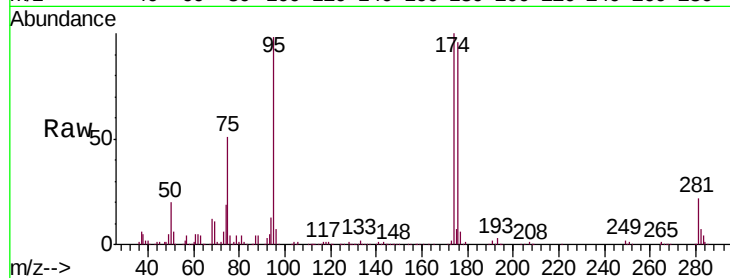
Tgt Ion: 95 Resp: 270092

Ion Ratio Lower Upper

95 100

174 99.5 0.0 197.2

176 94.3 0.0 189.6

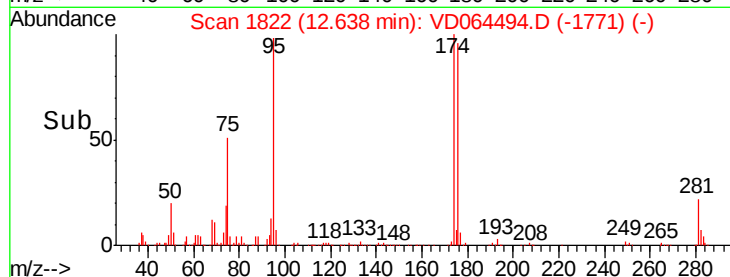


Abundance Ion 94.90 (94.60 to 95.60): VD064494.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD064494.D (-1771) (-)

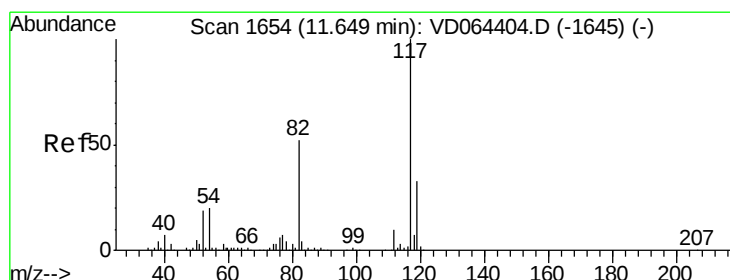
Ion 175.80 (175.50 to 176.50): VD064494.D (-1771) (-)

Time-->



12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

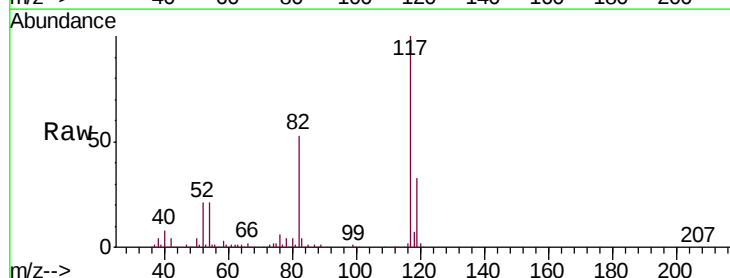
Tgt Ion: 117 Resp: 637830

Ion Ratio Lower Upper

117 100

82 52.5 41.4 62.2

119 32.7 26.2 39.2

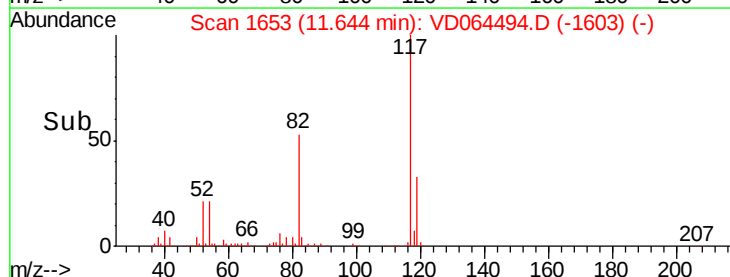


Abundance Ion 116.90 (116.60 to 117.60): VD064494.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD064494.D (-1603) (-)

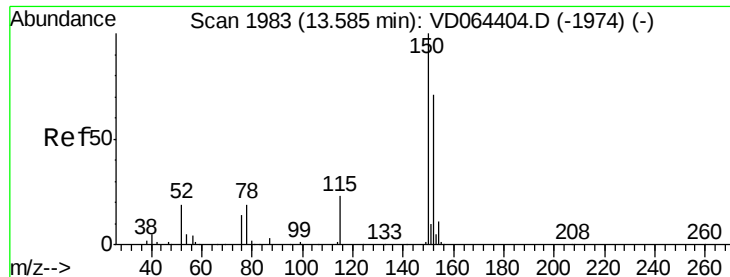
Ion 118.90 (118.60 to 119.60): VD064494.D (-1603) (-)

Time-->



11.64

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

Instrument :

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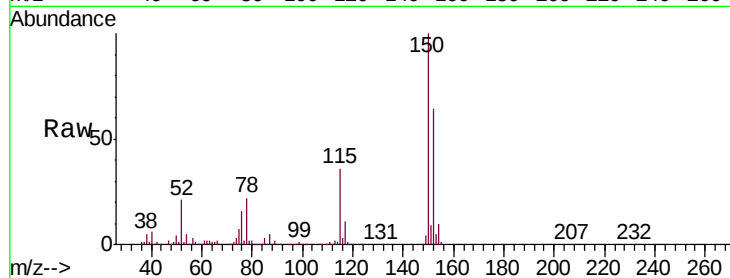
Tgt Ion:152 Resp: 316083

Ion Ratio Lower Upper

152 100

115 54.5 26.7 80.1

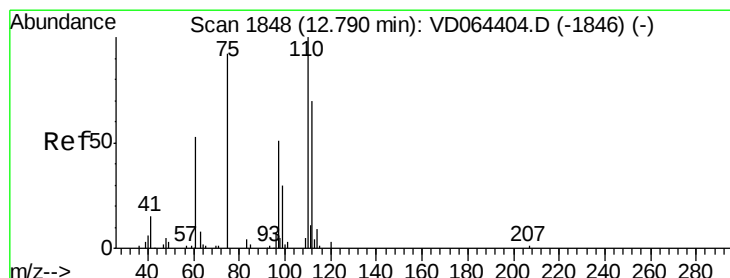
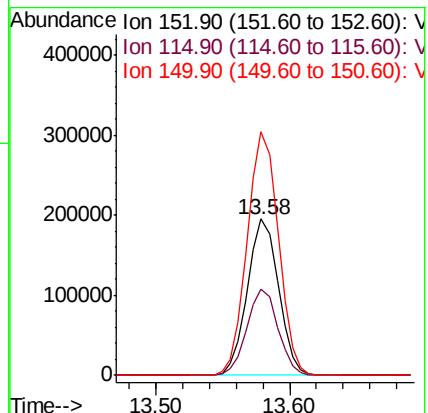
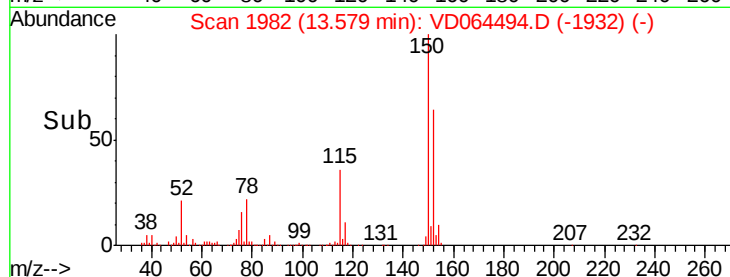
150 155.8 0.0 347.2



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: 55.669 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064494.D

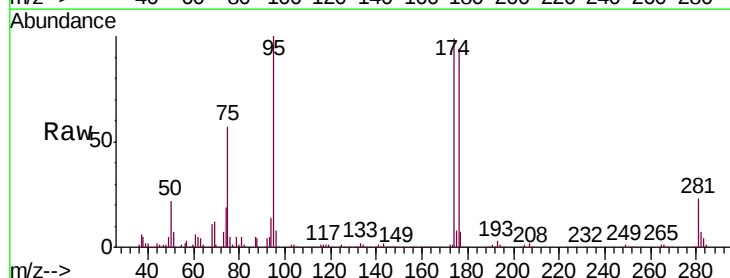
Acq: 11 Dec 2019 11:42

Tgt Ion: 75 Resp: 144704

Ion Ratio Lower Upper

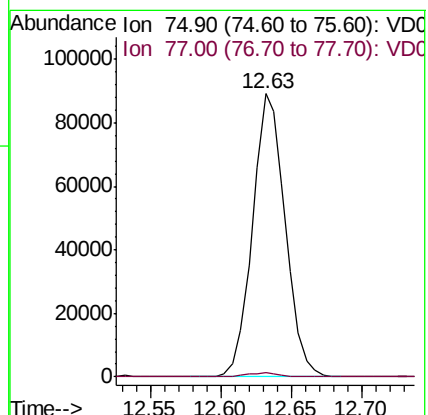
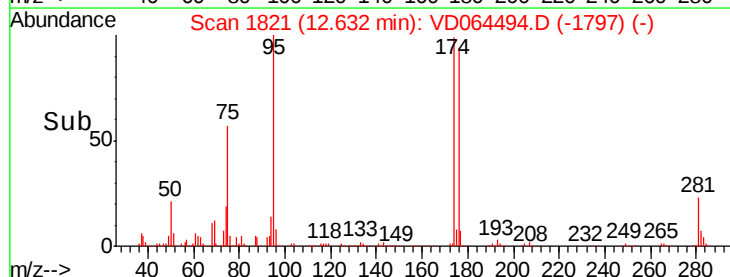
75 100

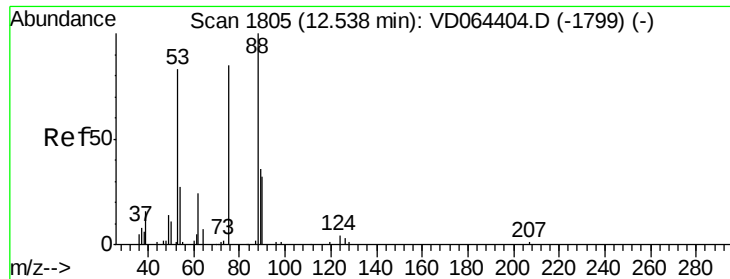
77 1.5 0.0 0.0#



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: 121.388 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.09 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBL01

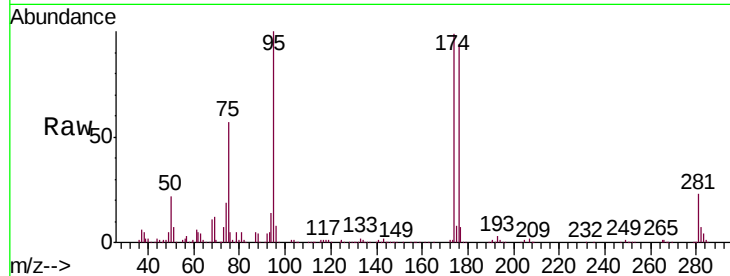
Tgt Ion: 75 Resp: 144704

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

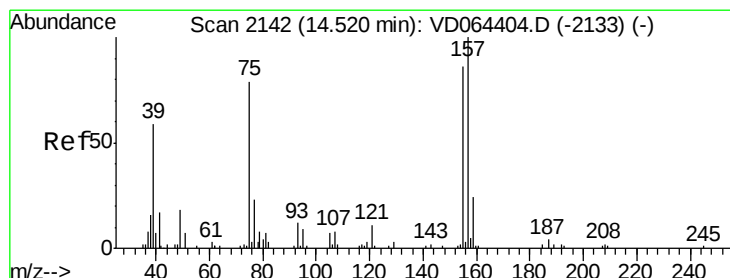
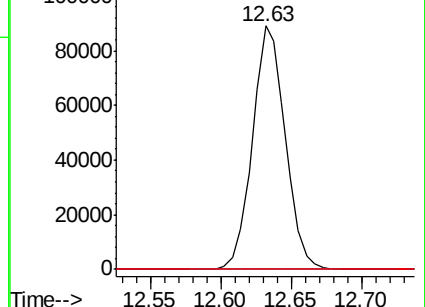
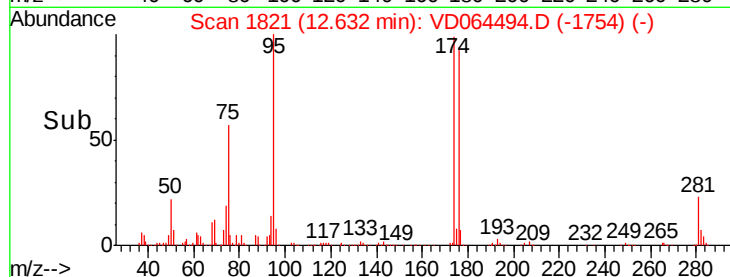
89 0.2 38.5 57.7#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD064494.D

Acq: 11 Dec 2019 11:42

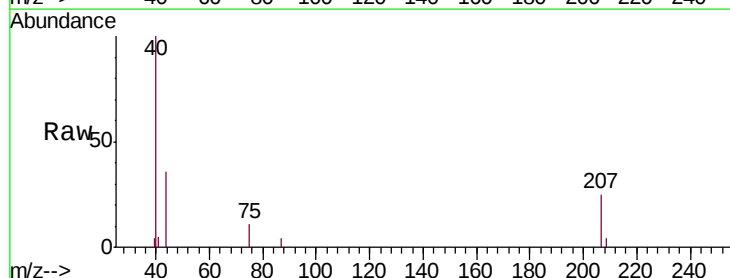
Tgt Ion: 75 Resp: 592

Ion Ratio Lower Upper

75 100

155 23.5 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

