

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066602.D
 Acq On : 10 Sep 2020 01:43
 Operator : VA/SY
 Sample : L3932-01
 Misc : 5.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-218

Quant Time: Sep 10 02:40:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	321980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	632540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	607735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254098	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	241655	62.03	ug/l	0.00
Spiked Amount						
			Recovery	=	124.06%	
35) Dibromofluoromethane	7.91	113	225439	52.83	ug/l	0.00
Spiked Amount						
			Recovery	=	105.66%	
50) Toluene-d8	10.34	98	802082	52.59	ug/l	0.00
Spiked Amount						
			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.63	95	259581	51.33	ug/l	0.00
Spiked Amount						
			Recovery	=	102.66%	

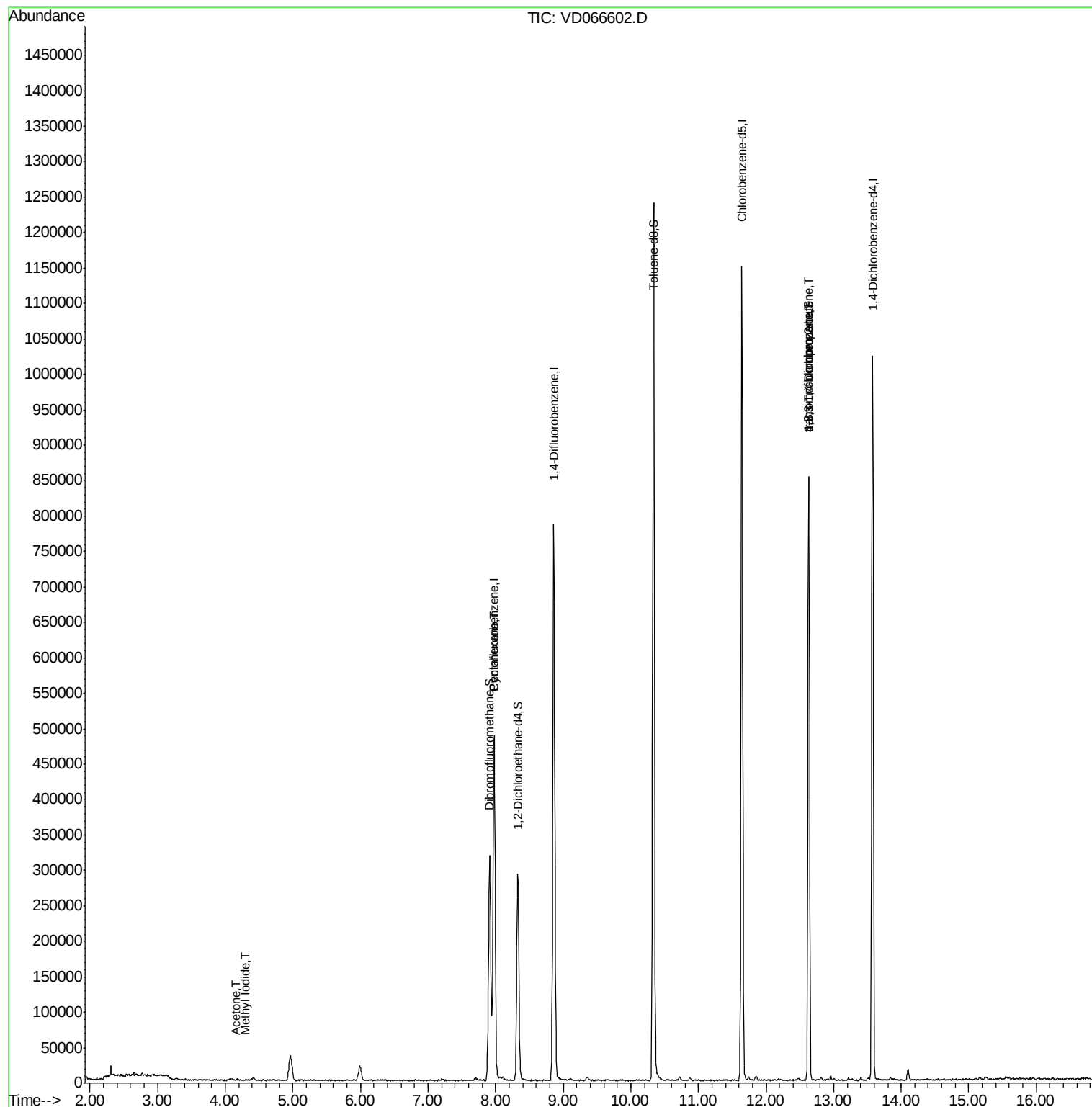
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1079	Below Cal		98
5) Bromomethane	2.78	94	1209	Below Cal	#	34
10) Methyl Iodide	4.30	142	566	4.181	ug/l #	58
16) Acetone	4.16	43	1844	2.573	ug/l #	46
31) Cyclohexane	7.97	56	10304	1.621	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	146709	60.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146709	140.160	ug/l #	7

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

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QLast Update : Fri Sep 04 01:57:04 2020
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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: VD066602.D

Acq: 10 Sep 2020 01:43

Instrument :

MSVOA_D

ClientSampleId :

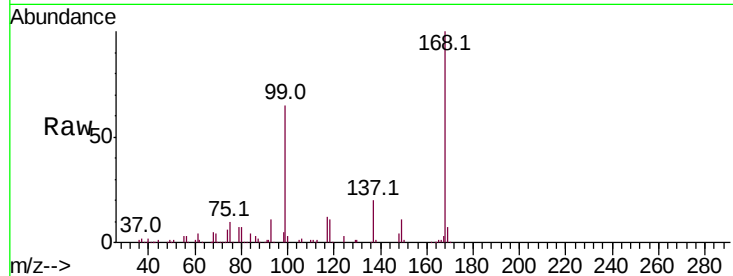
VNJ-218

Tot Ion:168 Resp: 321980

Ion Ratio Lower Upper

168 100

99 65.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

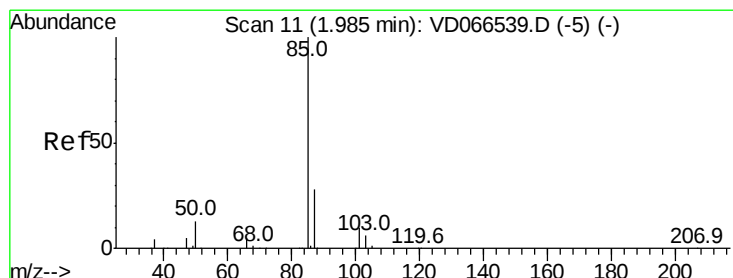
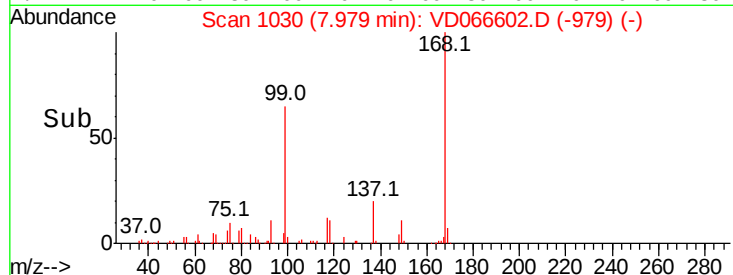
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066602.D

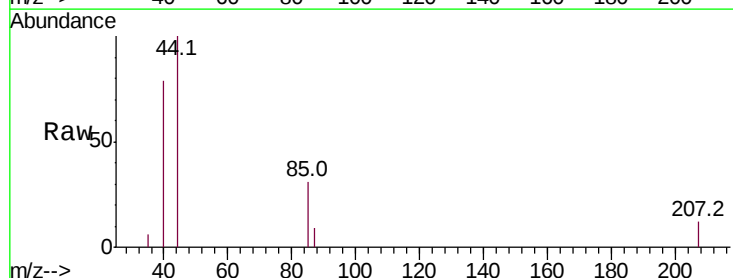
Acq: 10 Sep 2020 01:43

Tgt Ion: 85 Resp: 1079

Ion Ratio Lower Upper

85 100

87 27.3 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

600

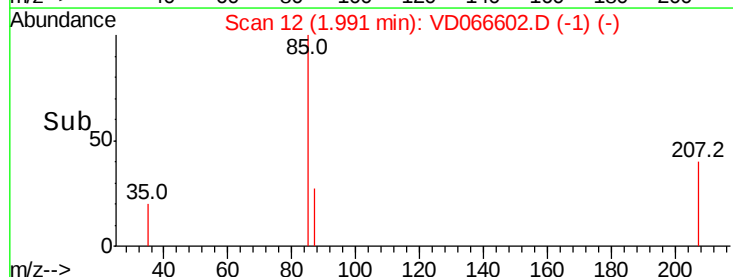
400

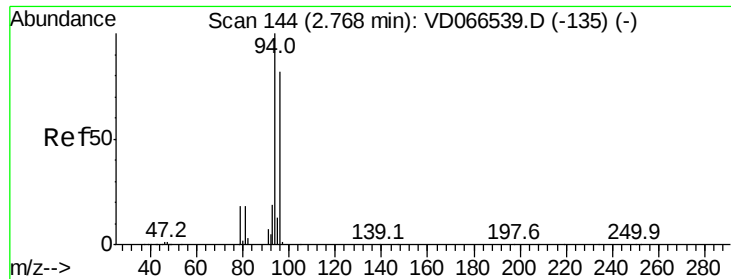
200

0

1.94 1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

Instrument :

MSVOA_D

ClientSampled :

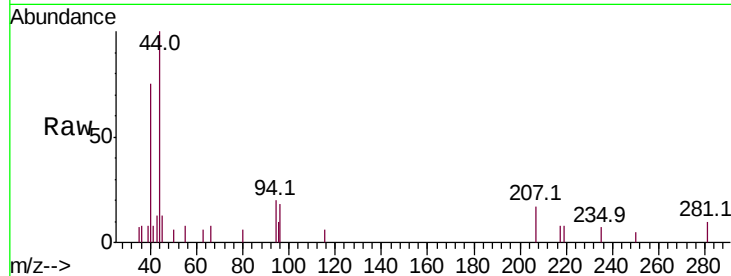
VNJ-218

Tot Ion: 94 Resp: 1209

Ion Ratio Lower Upper

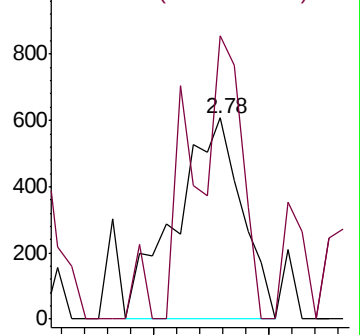
94 100

96 140.6 65.2 97.8#

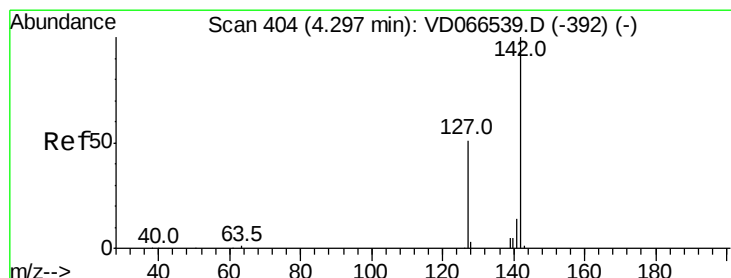
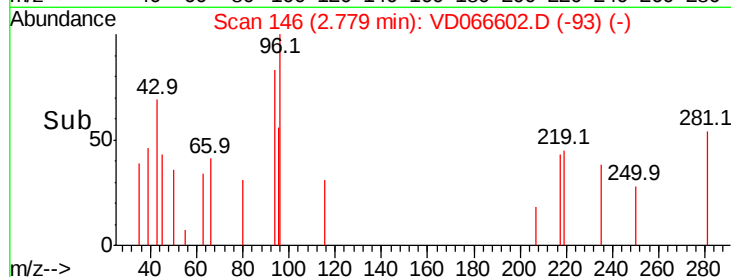


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#10

Methyl Iodide

Concen: 4.181 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

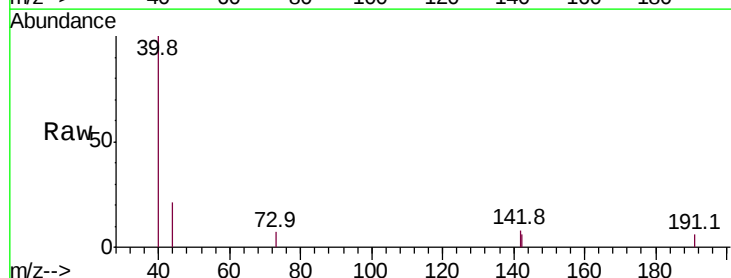
Tgt Ion: 142 Resp: 566

Ion Ratio Lower Upper

142 100

127 20.1 40.6 61.0#

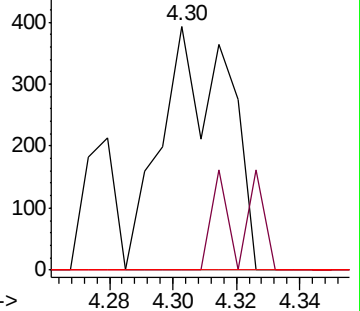
141 0.0 12.2 18.4#



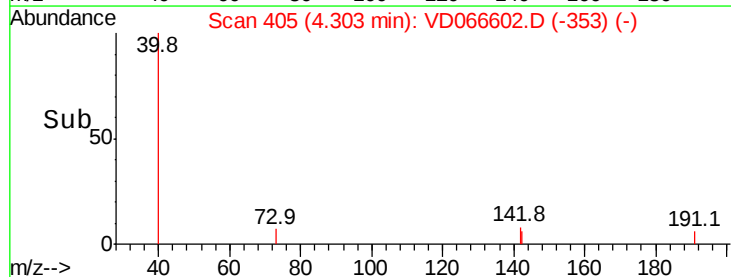
Abundance Ion 141.80 (141.50 to 142.50): V

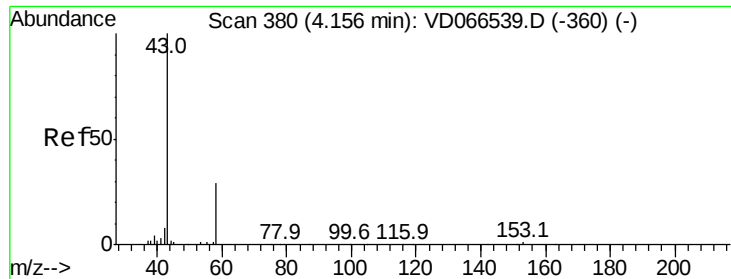
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#16

Acetone

Concen: 2.573 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

Instrument :

MSVOA_D

ClientSampleId :

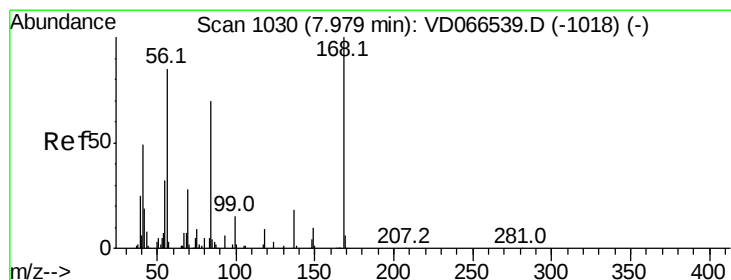
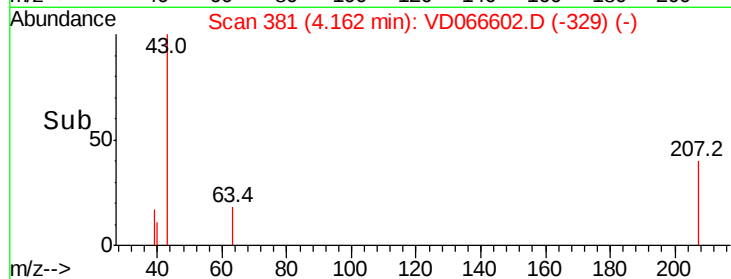
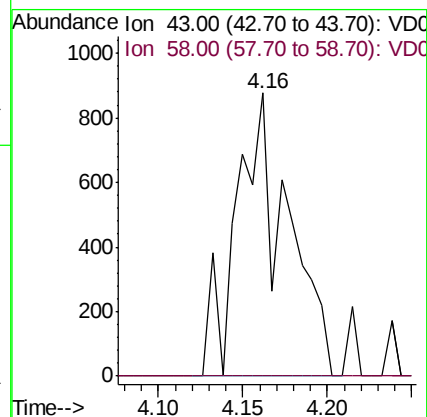
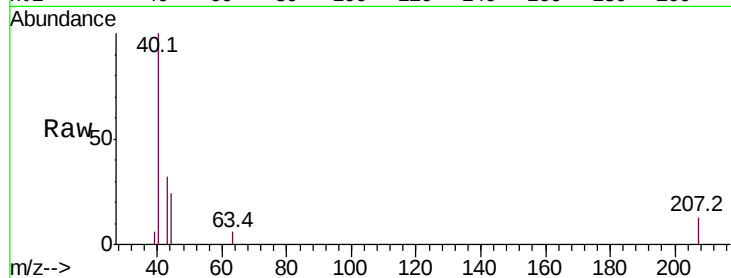
VNJ-218

Tot Ion: 43 Resp: 1844

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



#31

Cyclohexane

Concen: 1.621 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

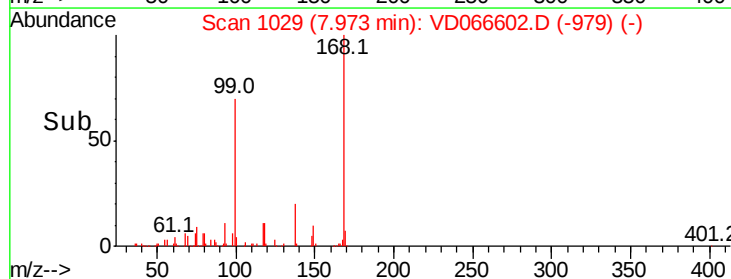
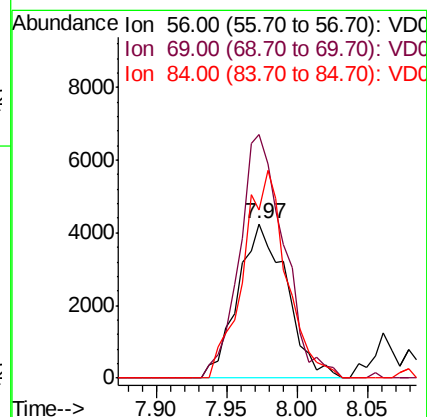
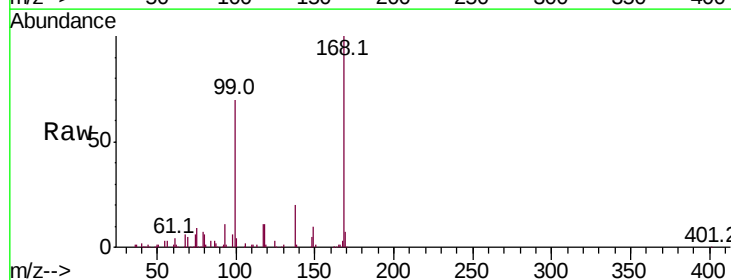
Tgt Ion: 56 Resp: 10304

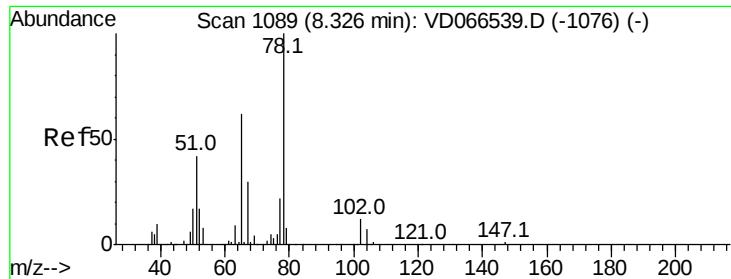
Ion Ratio Lower Upper

56 100

69 157.9 26.3 39.5#

84 109.4 66.1 99.1#

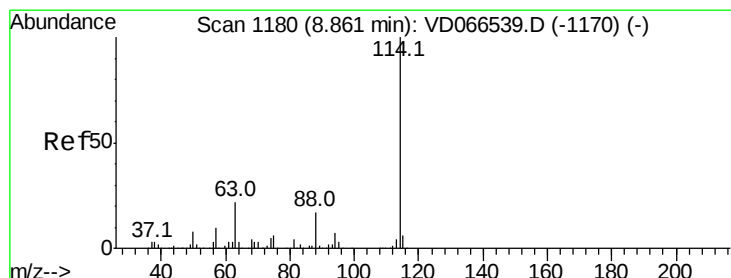
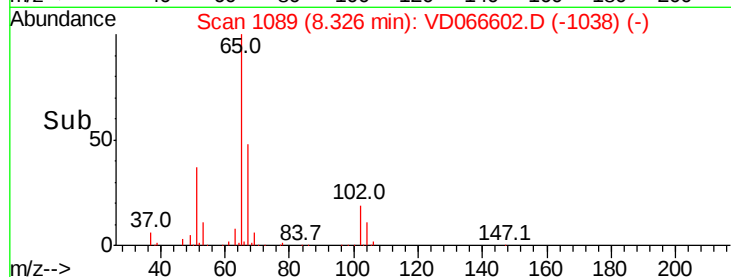
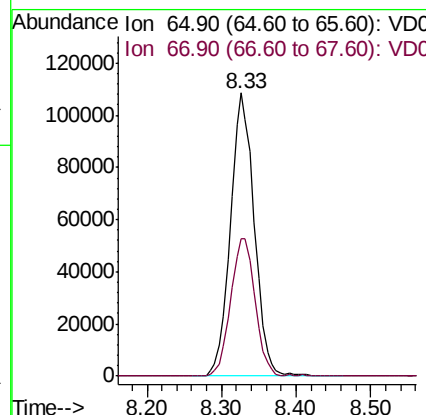
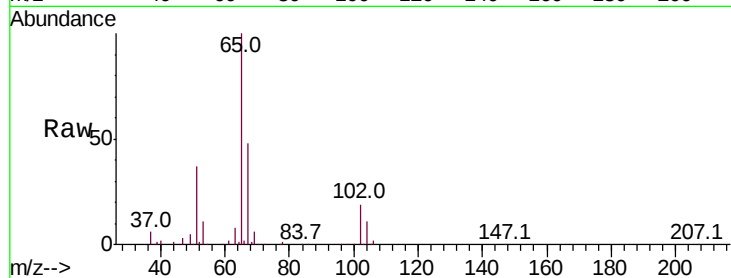




#33
 1,2-Dichloroethane-d4
 Concen: 62.032 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066602.D
 Acq: 10 Sep 2020 01:43

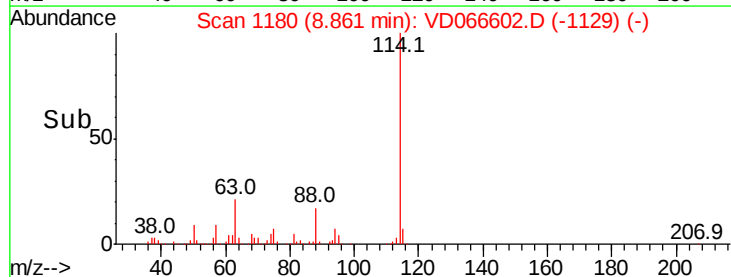
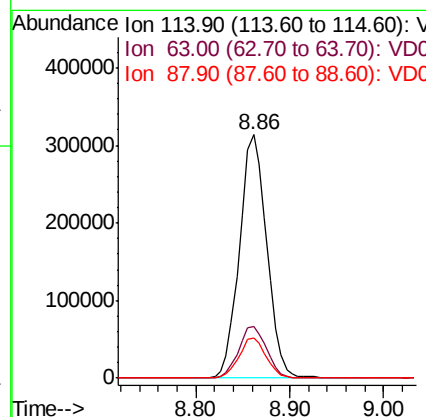
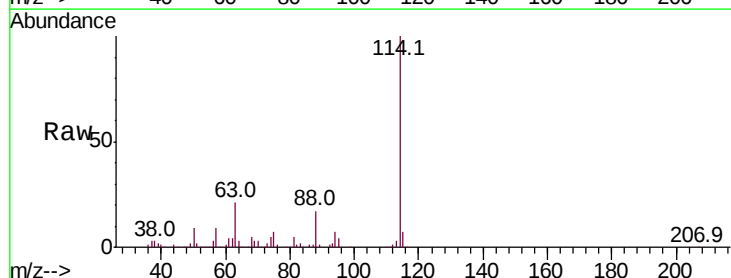
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-218

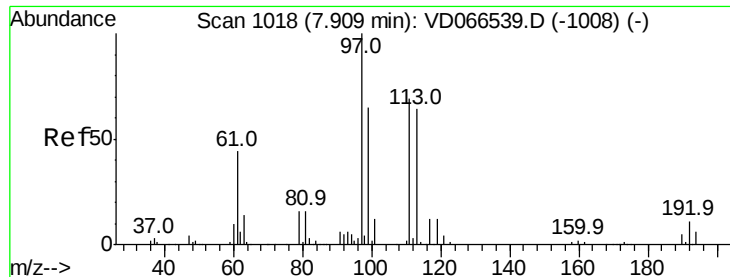
Tot Ion: 65 Resp: 241655
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066602.D
 Acq: 10 Sep 2020 01:43

Tgt Ion: 114 Resp: 632540
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.6 0.0 33.2

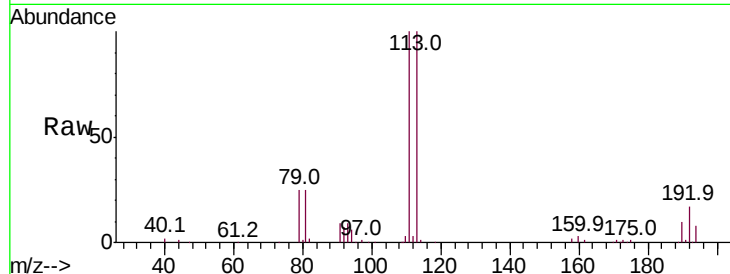




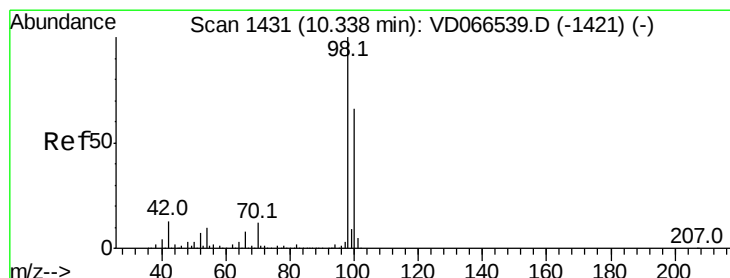
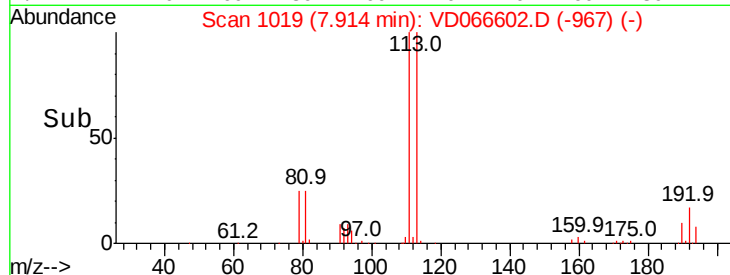
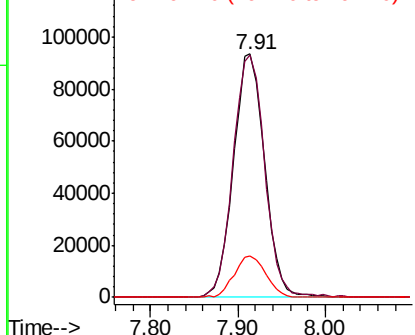
#35
 Dibromofluoromethane
 Concen: 52.831 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066602.D
 Acq: 10 Sep 2020 01:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-218

Tot Ion:113 Resp: 225439
 Ion Ratio Lower Upper
 113 100
 111 100.8 83.2 124.8
 192 17.3 13.7 20.5

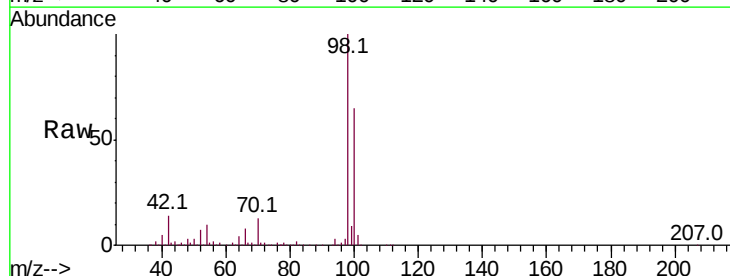


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

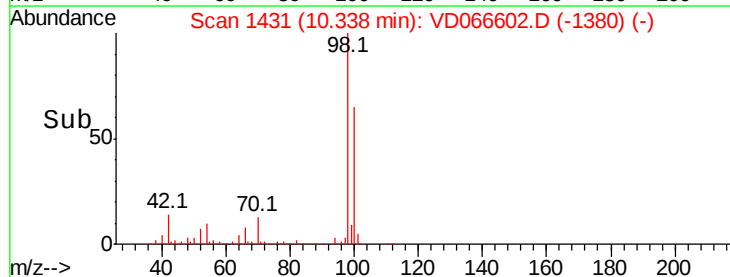
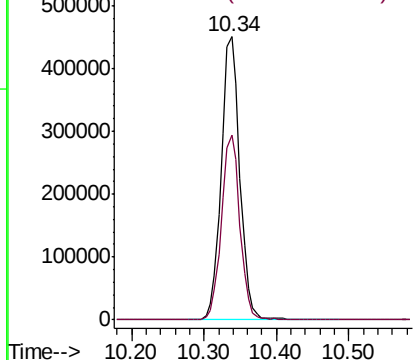


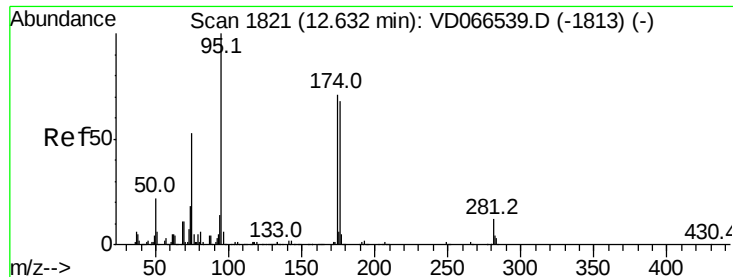
#50
 Toluene-d8
 Concen: 52.590 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066602.D
 Acq: 10 Sep 2020 01:43

Tgt Ion: 98 Resp: 802082
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 51.329 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

Instrument :

MSVOA_D

ClientSampleId :

VNJ-218

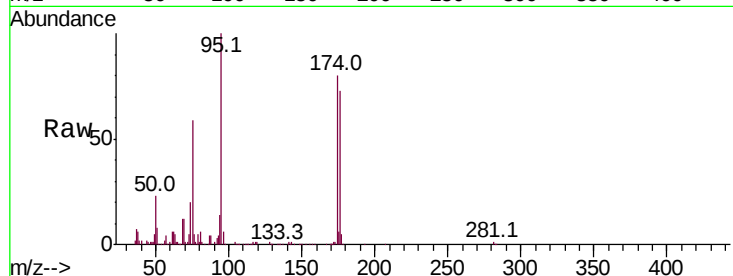
Tot Ion: 95 Resp: 259581

Ion Ratio Lower Upper

95 100

174 74.5 0.0 155.8

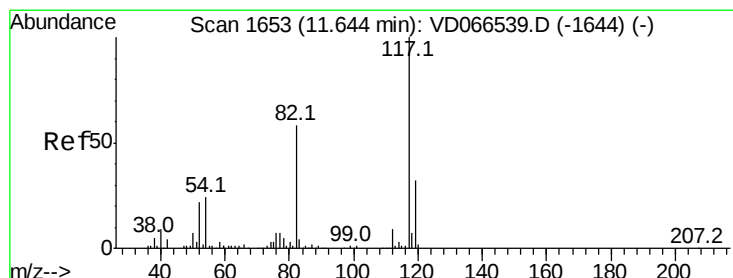
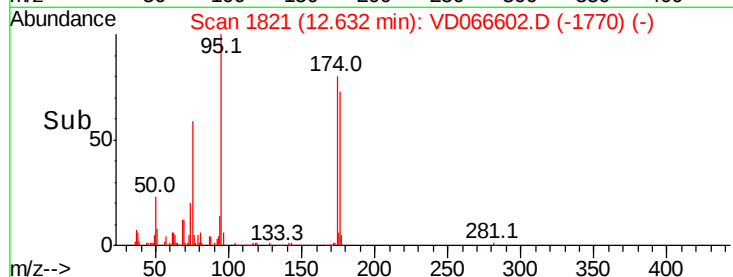
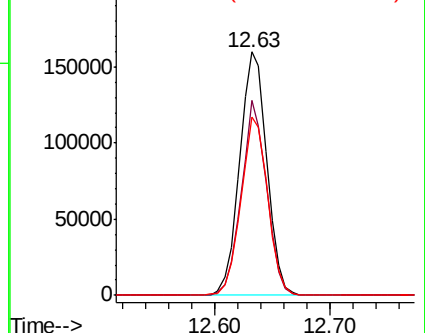
176 72.0 0.0 148.6



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: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

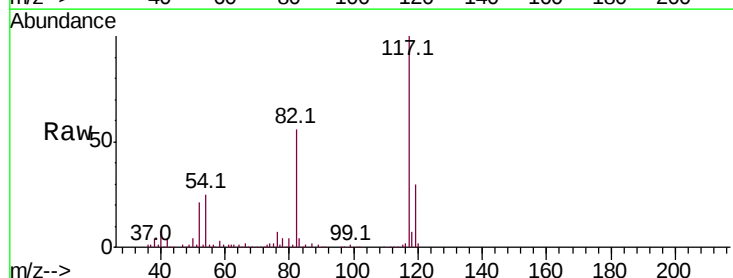
Tgt Ion: 117 Resp: 607735

Ion Ratio Lower Upper

117 100

82 56.3 46.2 69.2

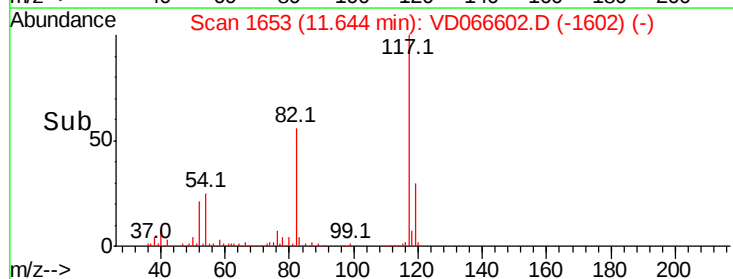
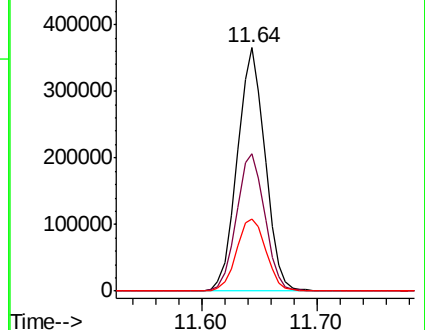
119 29.5 25.8 38.8

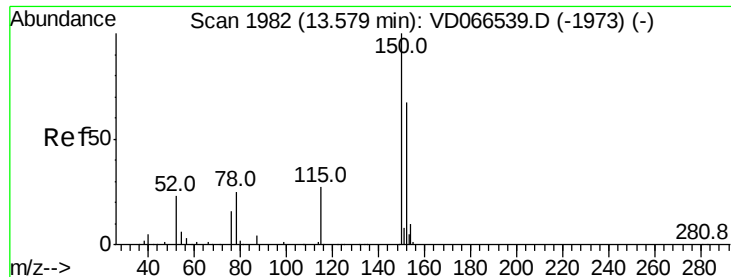


Abundance Ion 116.90 (116.60 to 117.60): V

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. -0.00 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

Instrument :

MSVOA_D

ClientSampleId :

VNJ-218

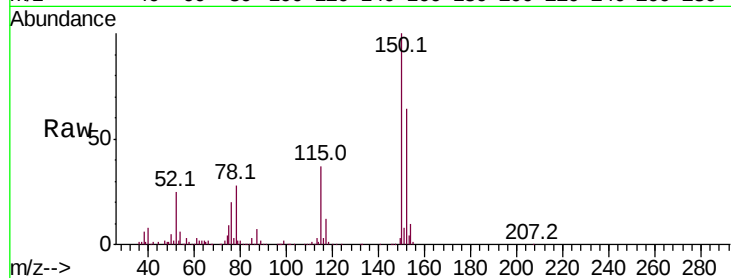
Tot Ion:152 Resp: 254098

Ion Ratio Lower Upper

152 100

115 61.6 30.4 91.2

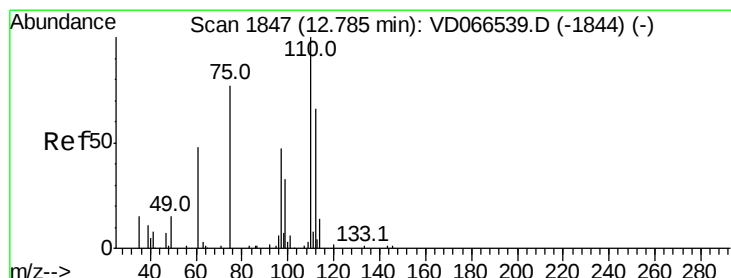
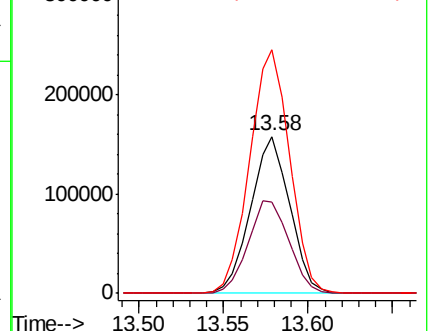
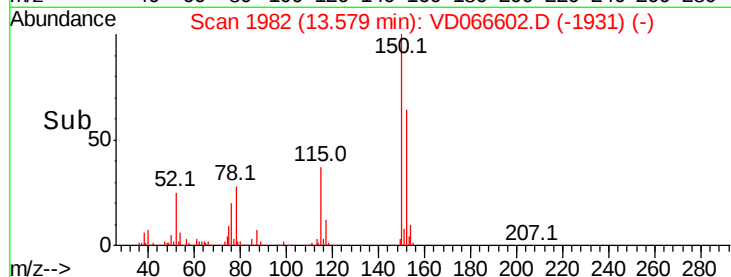
150 158.7 0.0 345.8



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: 60.035 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066602.D

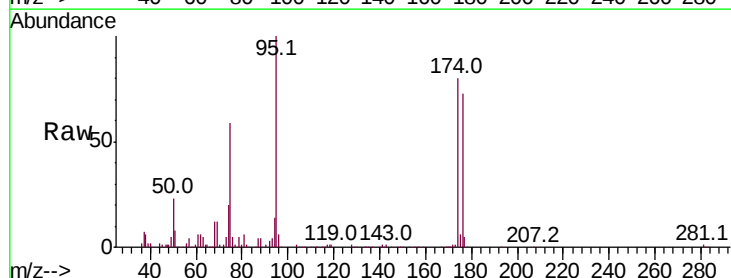
Acq: 10 Sep 2020 01:43

Tgt Ion: 75 Resp: 146709

Ion Ratio Lower Upper

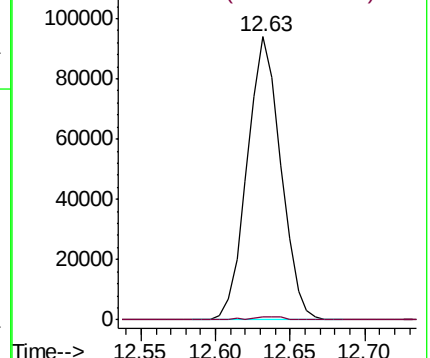
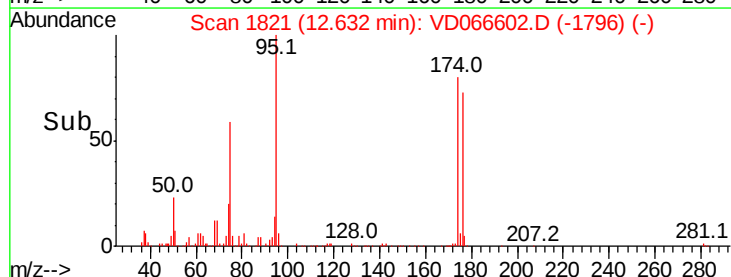
75 100

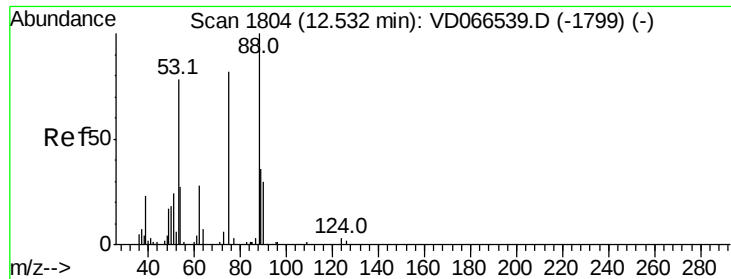
77 1.2 0.0 0.0#



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: 140.160 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066602.D

Acq: 10 Sep 2020 01:43

Instrument :

MSVOA_D

ClientSampleId :

VNJ-218

Tot Ion: 75 Resp: 146709

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

89 0.1 37.1 55.7#

