

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064343.D
 Acq On : 22 Nov 2019 13:10
 Operator : VA/SY
 Sample : K5977-04
 Misc : 6.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:46:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

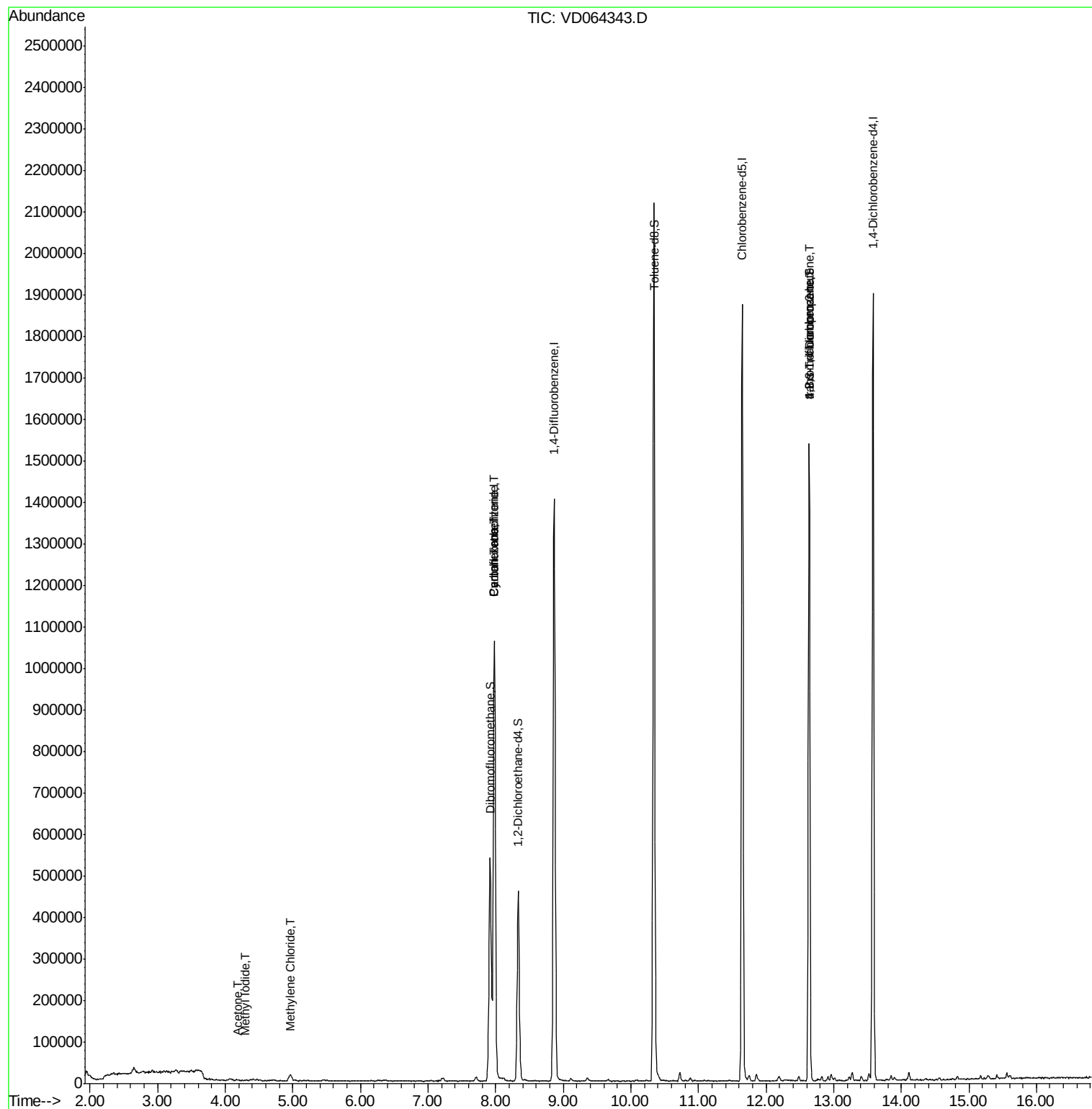
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	872578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1253004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1093097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	523629	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	351790	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.92	113	372854	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.34	98	1466604	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.64	95	469471	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.29	142	680	2.106	ug/l #	41
16) Acetone	4.18	43	3733	2.196	ug/l	98
20) Methylene Chloride	4.95	84	11464	1.335	ug/l #	71
31) Cyclohexane	7.98	56	20036	1.422	ug/l #	21
38) Carbon Tetrachloride	7.98	117	79394	6.416	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	238982	56.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	238982	112.553	ug/l #	10

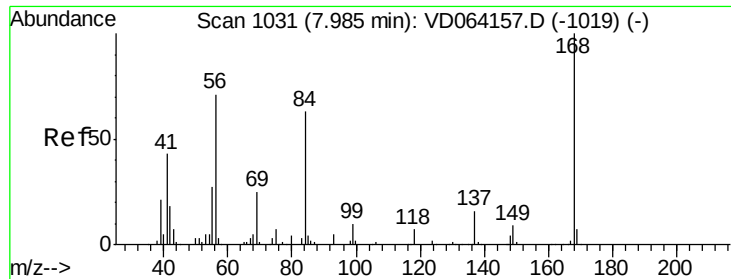
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 02:43:24 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: VD064343.D

Acq: 22 Nov 2019 13:10

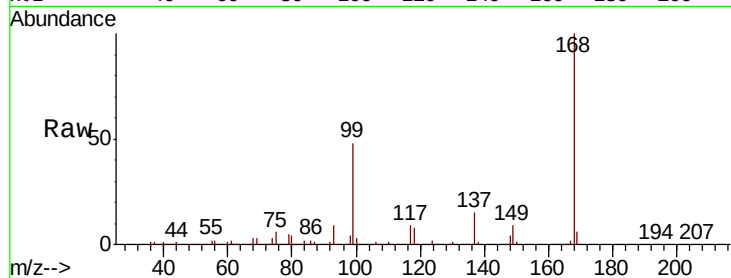
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 872578

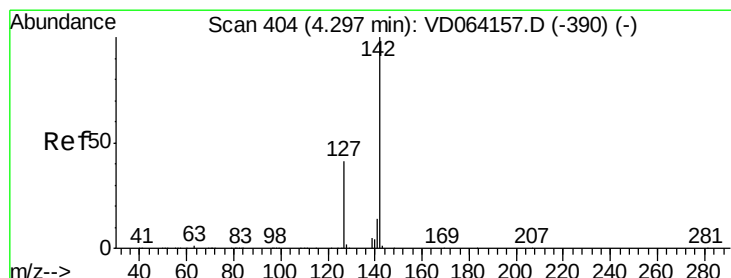
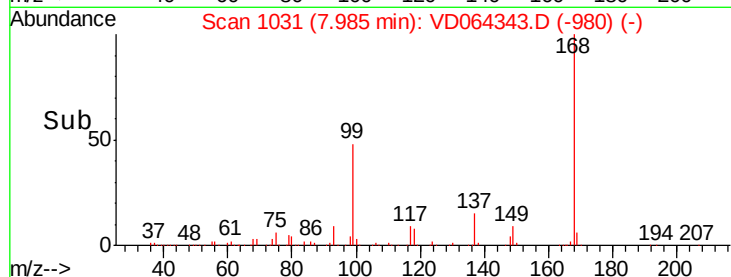
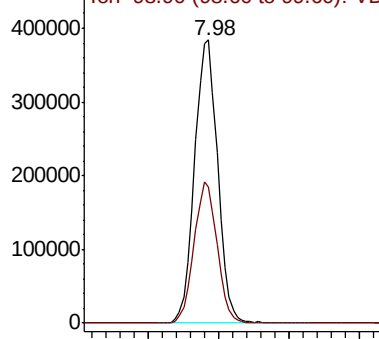
Ion Ratio Lower Upper

168 100

99 48.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.106 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064343.D

Acq: 22 Nov 2019 13:10

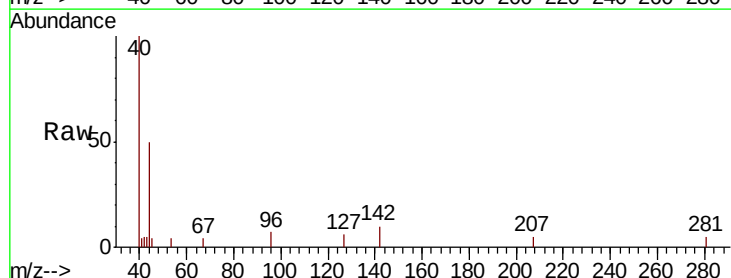
Tgt Ion:142 Resp: 680

Ion Ratio Lower Upper

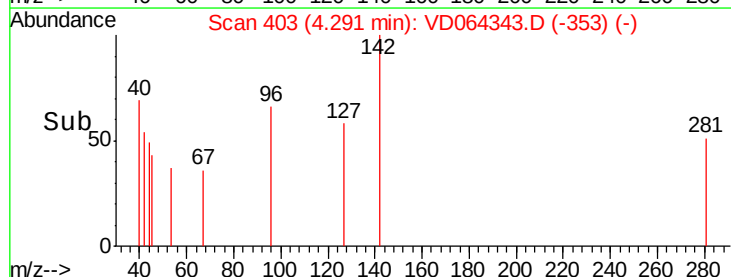
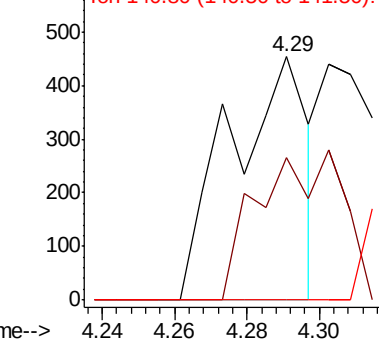
142 100

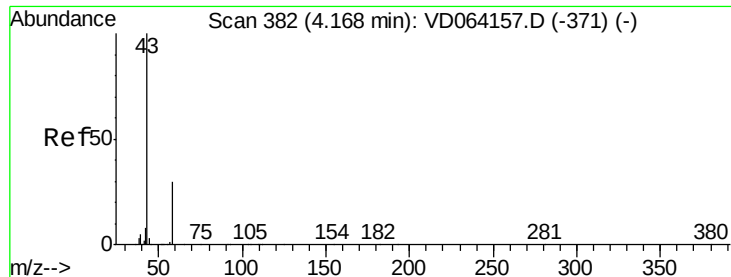
127 0.0 34.4 51.6#

141 0.0 11.2 16.8#



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





#16

Acetone

Concen: 2.196 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064343.D

Acq: 22 Nov 2019 13:10

Instrument :

MSVOA_D

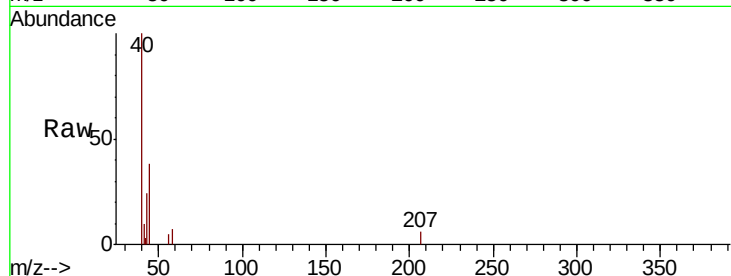
ClientSampleId :

Tot Ion: 43 Resp: 3733

Ion Ratio Lower Upper

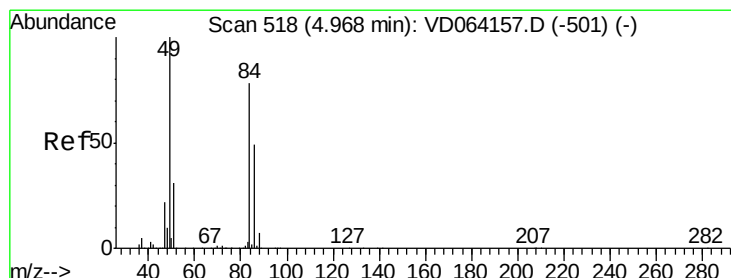
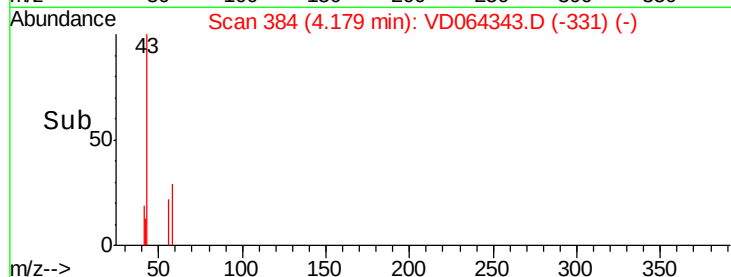
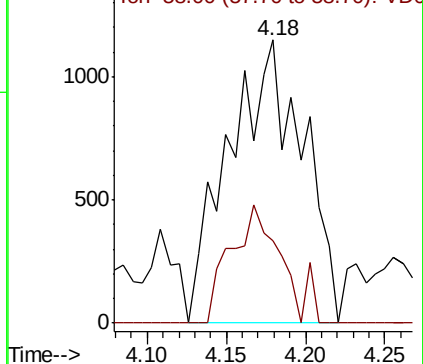
43 100

58 29.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.335 ug/l

RT: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD064343.D

Acq: 22 Nov 2019 13:10

Tgt Ion: 84 Resp: 11464

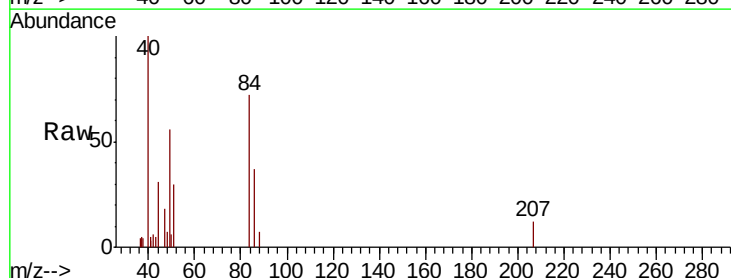
Ion Ratio Lower Upper

84 100

49 77.3 102.1 153.1#

51 41.9 32.2 48.2

86 50.8 49.9 74.9

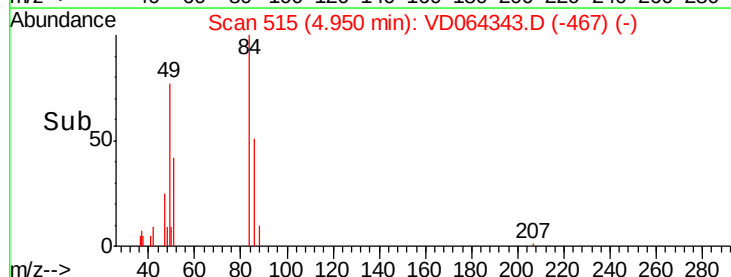
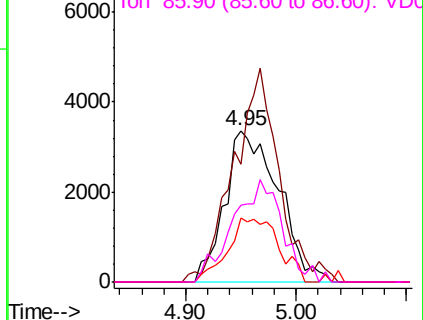


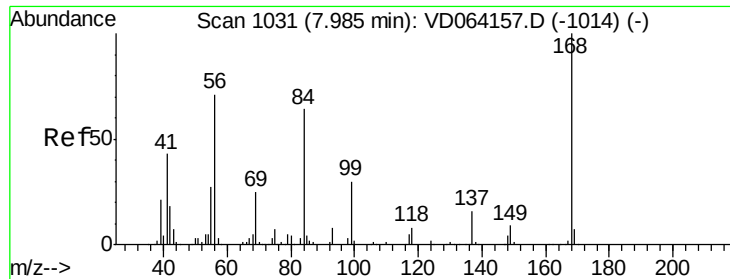
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

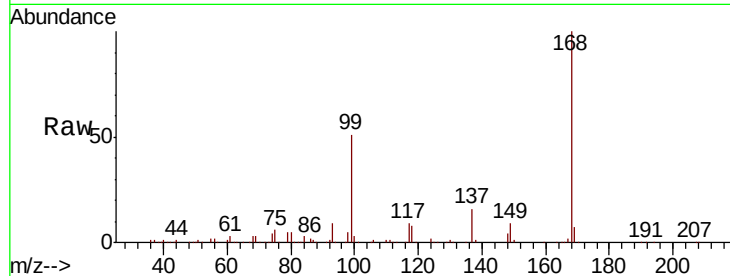




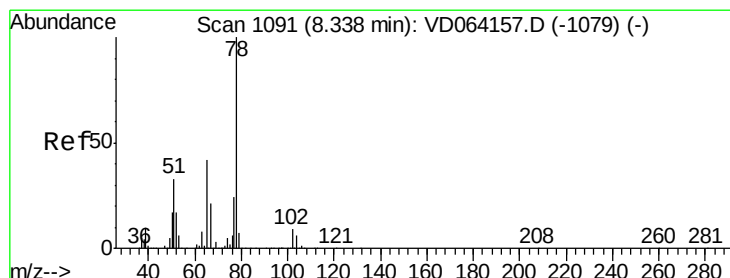
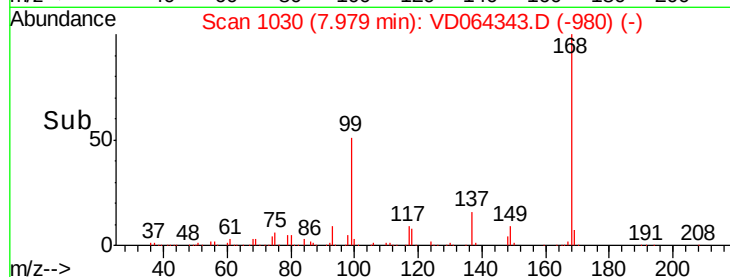
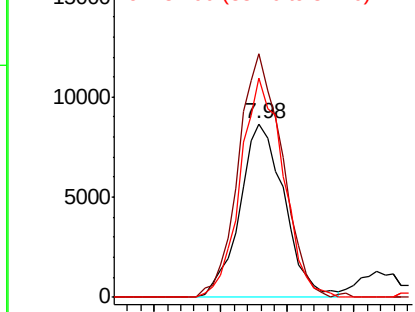
#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064343.D
Acq: 22 Nov 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 20036
Ion Ratio Lower Upper
56 100
69 140.4 28.2 42.4#
84 126.4 71.8 107.6#

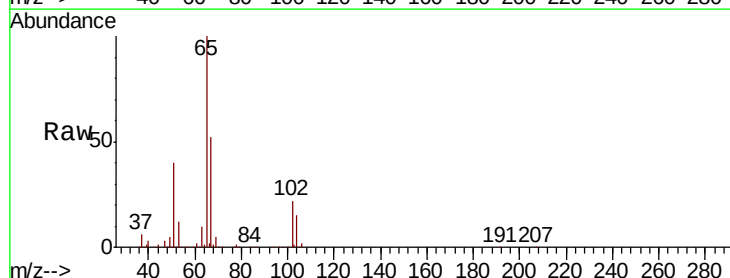


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

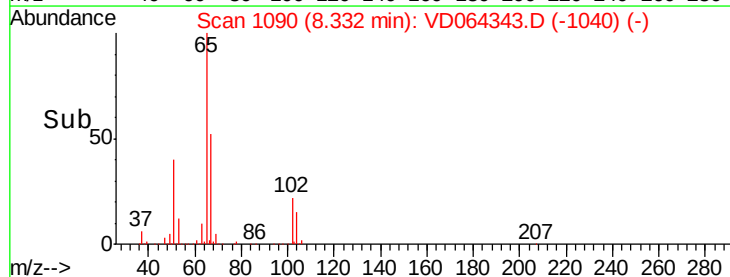
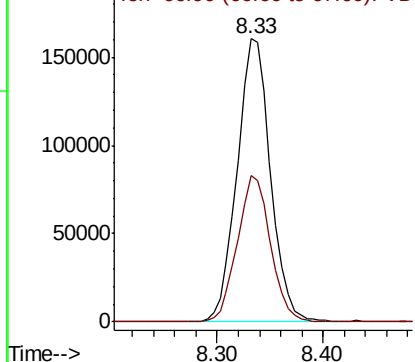


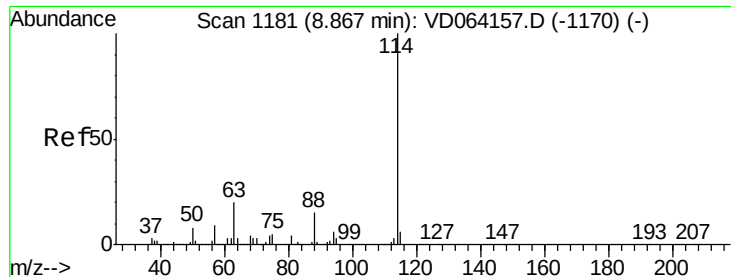
#33
1,2-Dichloroethane-d4
Concen: 49.020 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064343.D
Acq: 22 Nov 2019 13:10

Tgt Ion: 65 Resp: 351790
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4



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

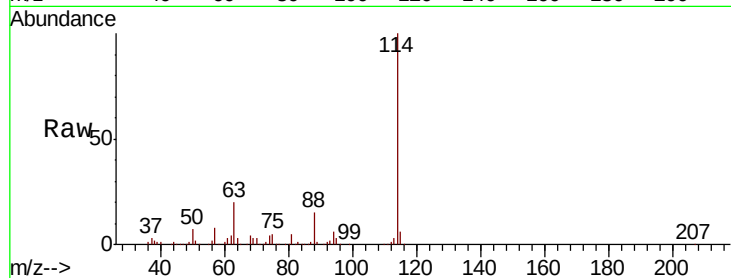




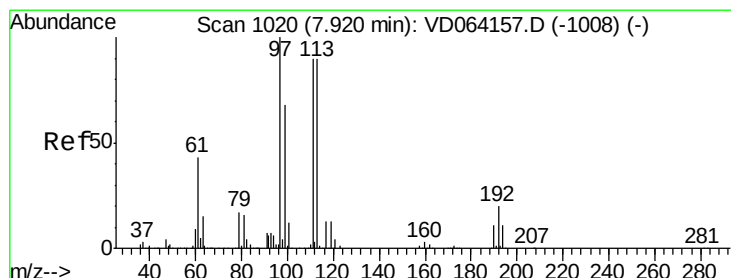
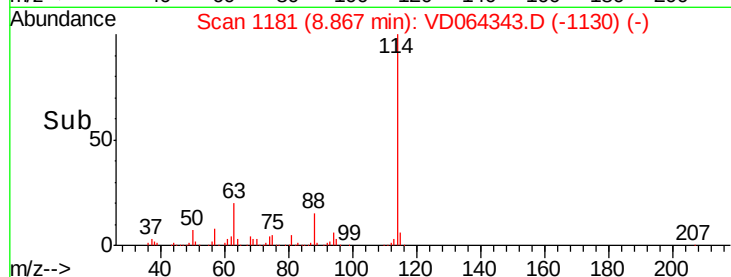
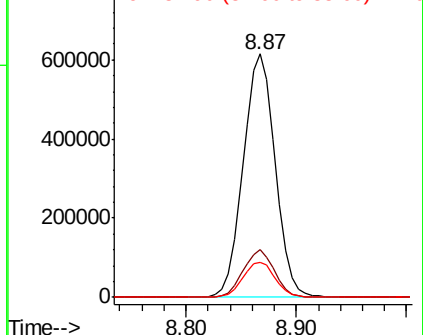
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064343.D
 Acq: 22 Nov 2019 13:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1253004
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.6 0.0 30.2

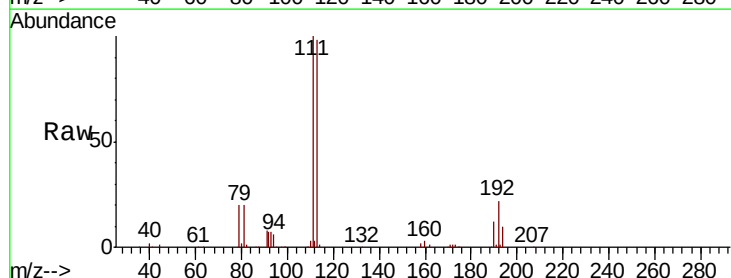


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

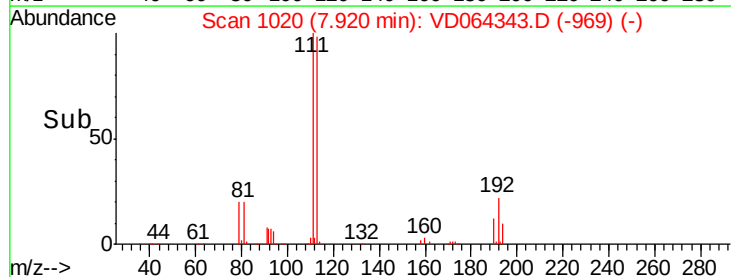
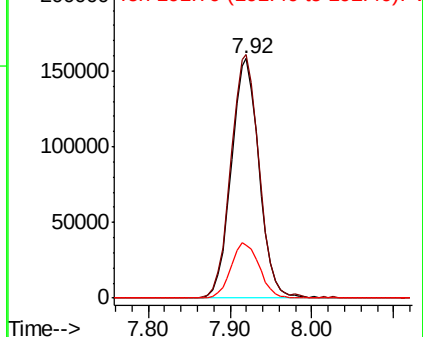


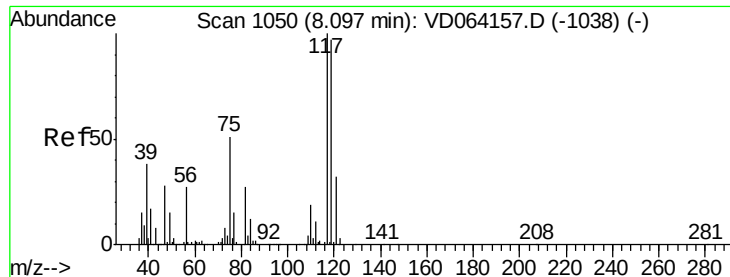
#35
 Dibromofluoromethane
 Concen: 51.840 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064343.D
 Acq: 22 Nov 2019 13:10

Tgt Ion:113 Resp: 372854
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.5 122.3
 192 23.6 18.8 28.2



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





#38

Carbon Tetrachloride

Concen: 6.416 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064343.D

Acq: 22 Nov 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

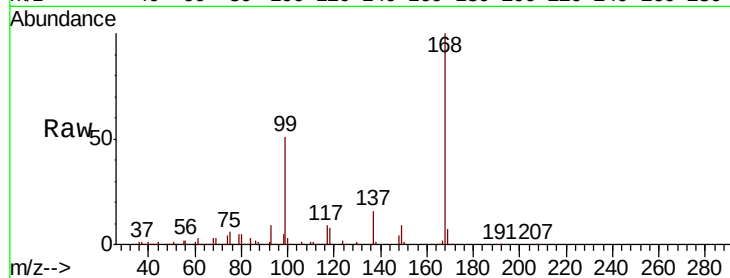
Tot Ion:117 Resp: 79394

Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

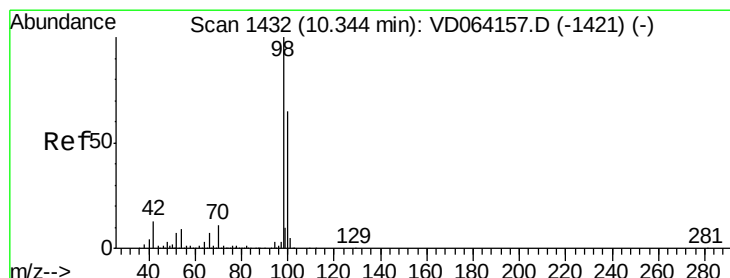
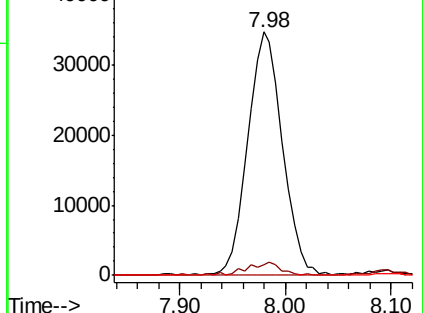
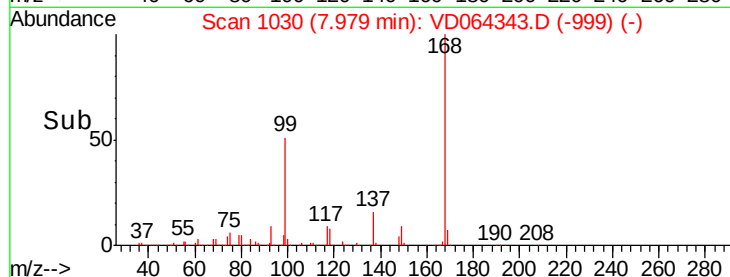
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.052 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064343.D

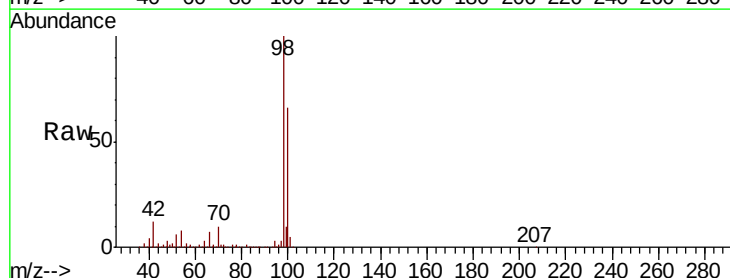
Acq: 22 Nov 2019 13:10

Tgt Ion: 98 Resp: 1466604

Ion Ratio Lower Upper

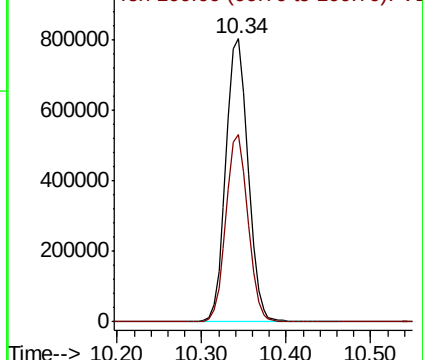
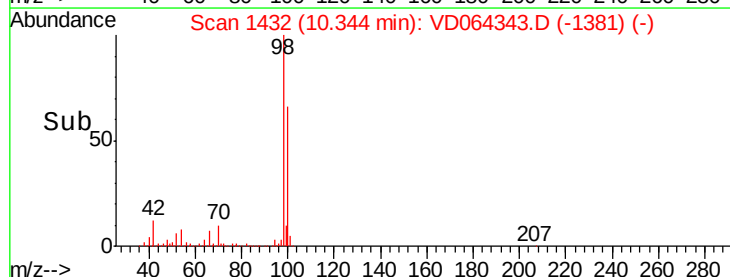
98 100

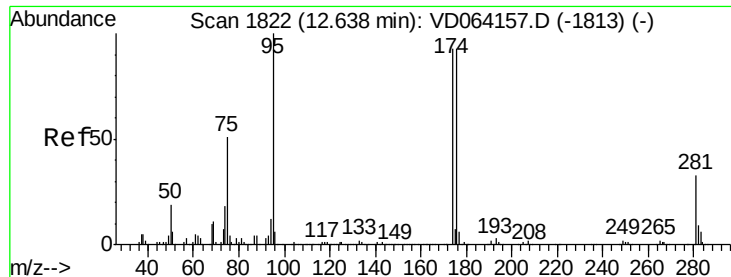
100 65.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

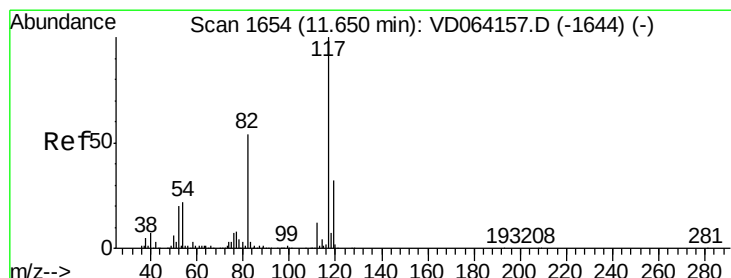
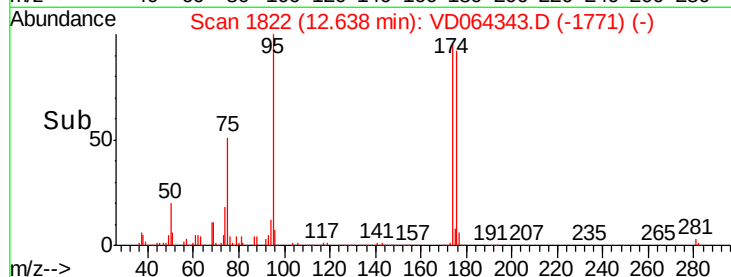
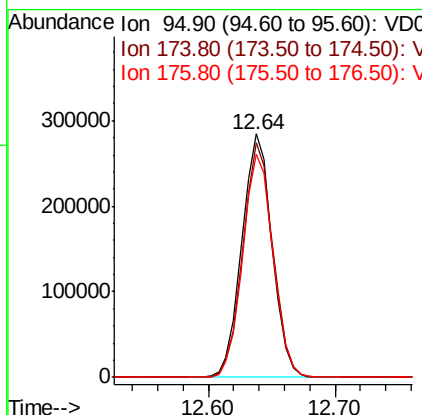
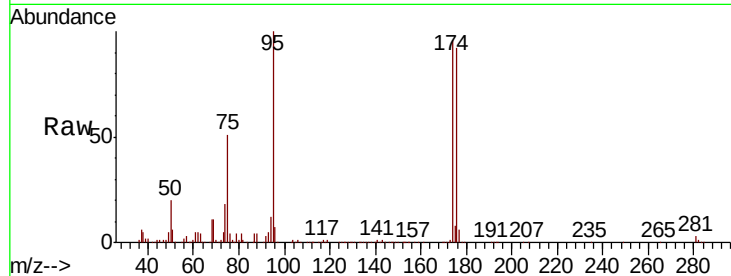




#62
4-Bromofluorobenzene
Concen: 49.963 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064343.D
Acq: 22 Nov 2019 13:10

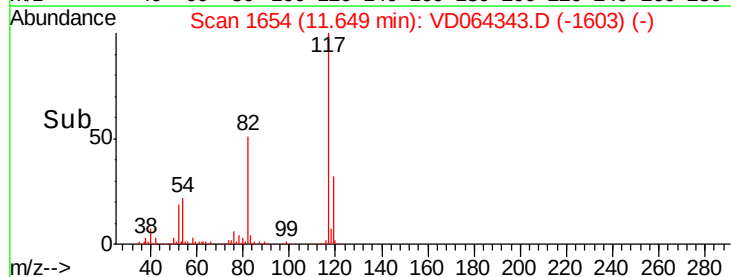
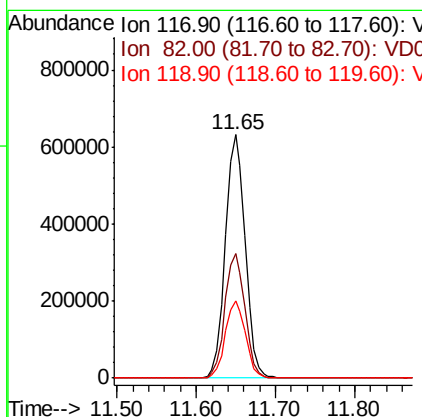
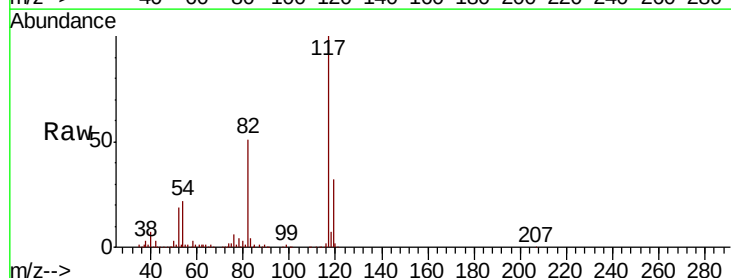
Instrument :
MSVOA_D
ClientSampleId :

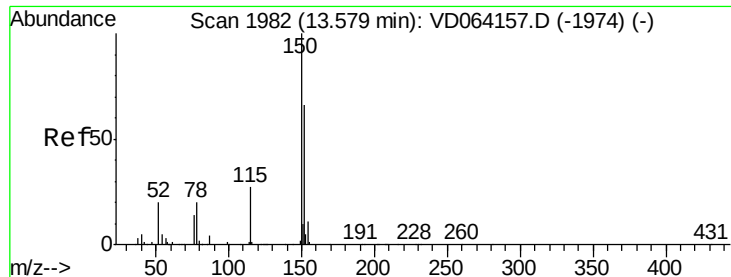
Tot Ion: 95 Resp: 469471
Ion Ratio Lower Upper
95 100
174 96.2 0.0 183.6
176 92.3 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064343.D
Acq: 22 Nov 2019 13:10

Tgt Ion: 117 Resp: 1093097
Ion Ratio Lower Upper
117 100
82 50.9 42.8 64.2
119 31.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064343.D

Acq: 22 Nov 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

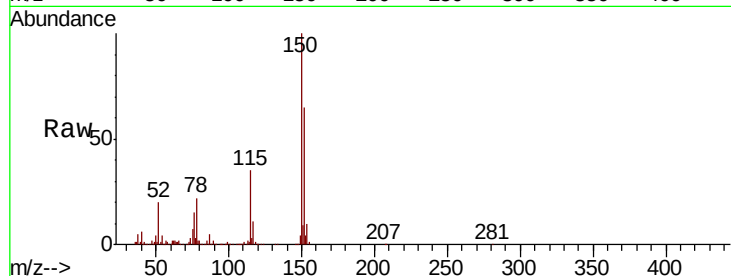
Tot Ion:152 Resp: 523629

Ion Ratio Lower Upper

152 100

115 54.2 27.4 82.2

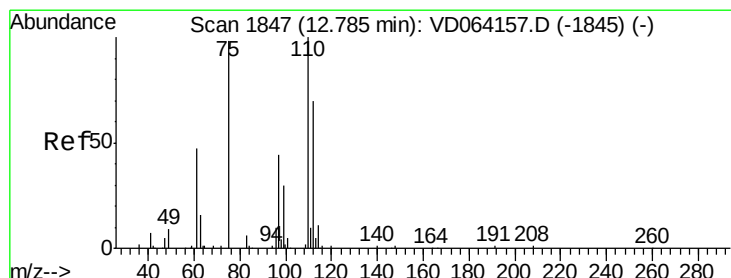
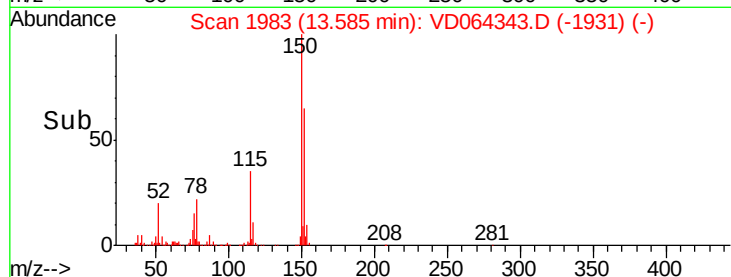
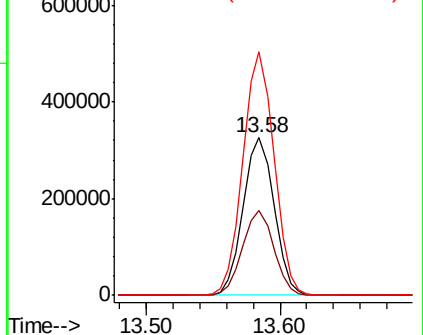
150 155.1 0.0 351.6



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: 56.662 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064343.D

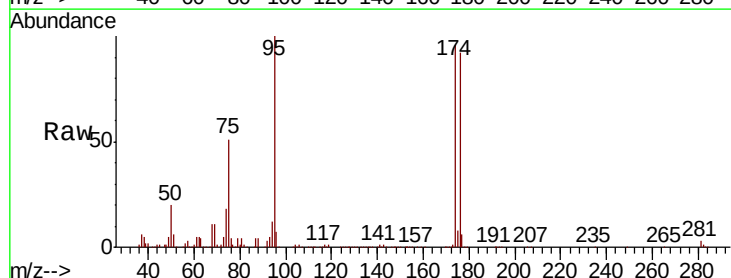
Acq: 22 Nov 2019 13:10

Tgt Ion: 75 Resp: 238982

Ion Ratio Lower Upper

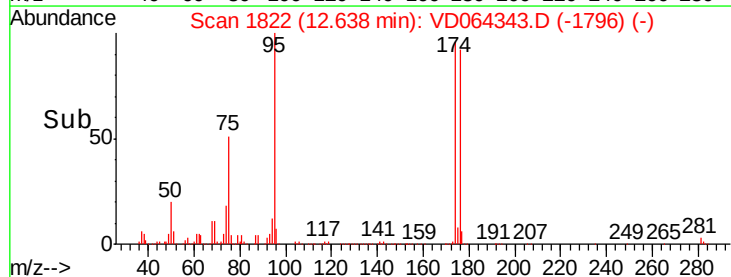
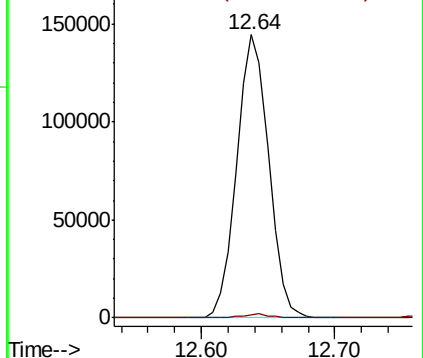
75 100

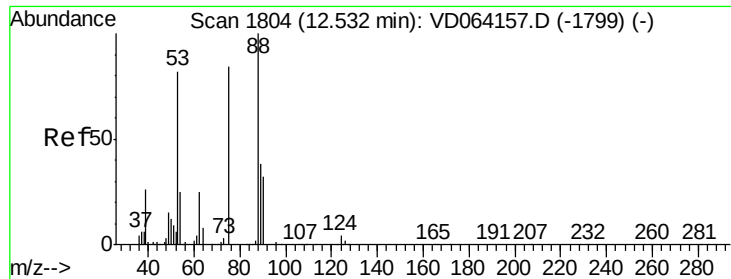
77 1.2 0.0 0.0#



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: 112.553 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064343.D

Acq: 22 Nov 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

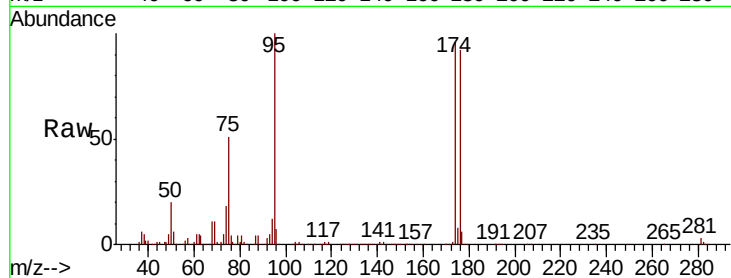
Tot Ion: 75 Resp: 238982

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



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

