

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064214.D
 Acq On : 14 Nov 2019 14:38
 Operator : VA/SY
 Sample : K5826-06
 Misc : 7.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 15 05:53:00 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	849785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1251427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1301414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	711718	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	339671	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	7.92	113	370252	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.34	98	1482899	54.72	ug/l	0.00
Spiked Amount			Recovery	=	109.44%	
62) 4-Bromofluorobenzene	12.64	95	616308	65.67	ug/l	0.00
Spiked Amount			Recovery	=	131.34%	

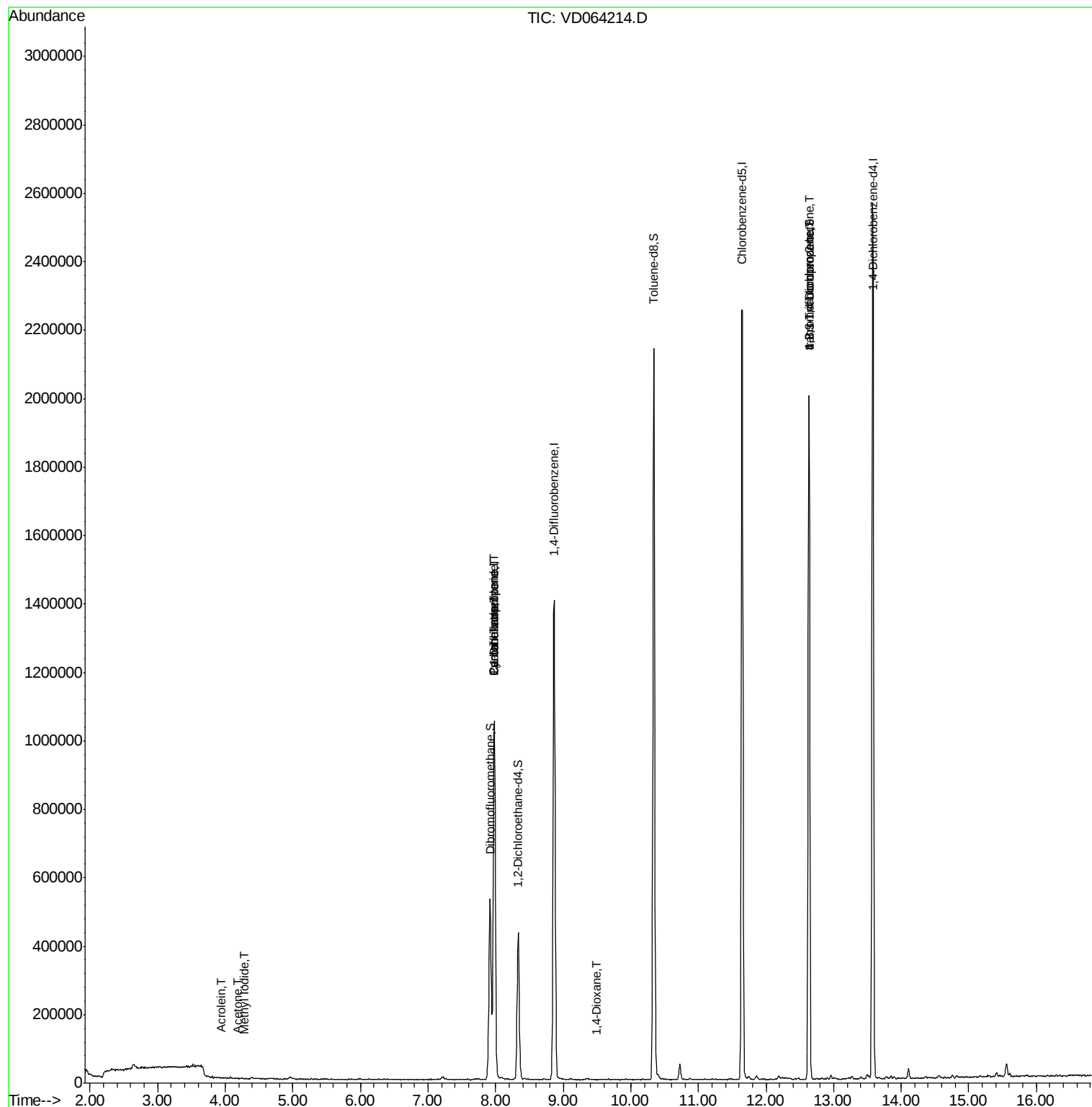
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	732	2.113	ug/l #	67
13) Acrolein	3.94	56	793	1.920	ug/l	85
16) Acetone	4.17	43	2032	1.227	ug/l	97
31) Cyclohexane	7.99	56	18240	1.330	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	54493	4.718	ug/l #	51
38) Carbon Tetrachloride	7.98	117	76235	6.169	ug/l #	15
49) 1,4-Dioxane	9.48	88	55	1.113	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	318770	55.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	318770	110.455	ug/l #	10

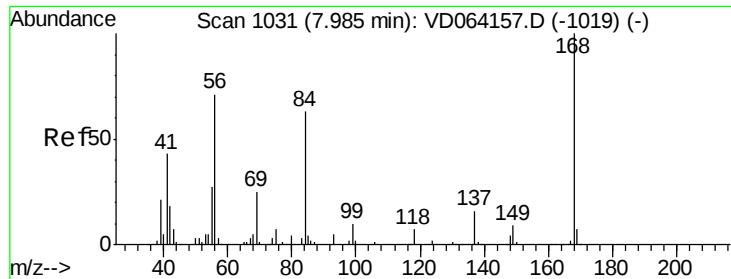
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

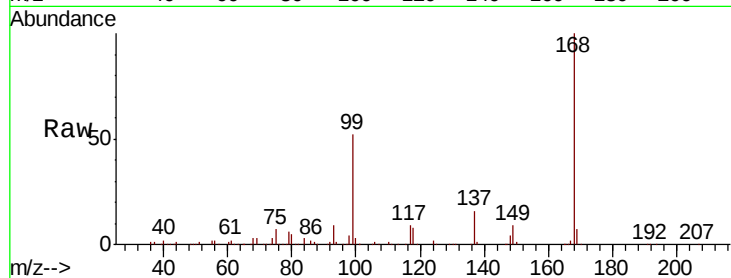
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 849785

Ion Ratio Lower Upper

168 100

99 52.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

400000

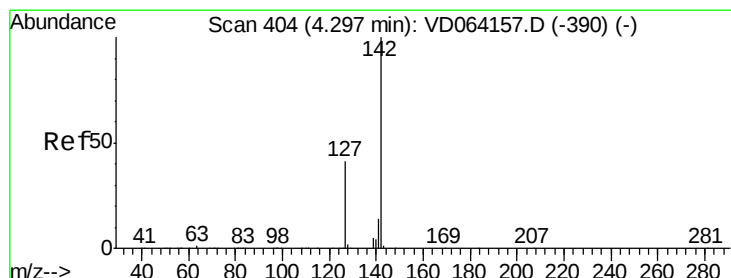
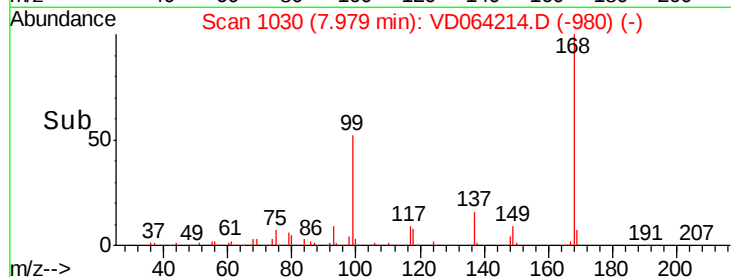
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.113 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

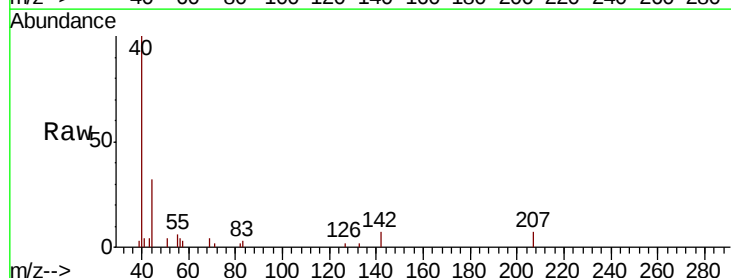
Tgt Ion:142 Resp: 732

Ion Ratio Lower Upper

142 100

127 15.4 34.4 51.6#

141 15.3 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

4.29

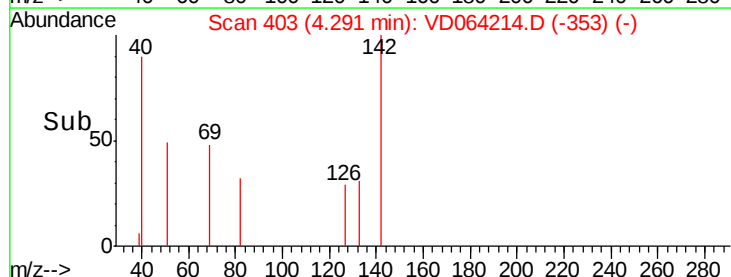
600

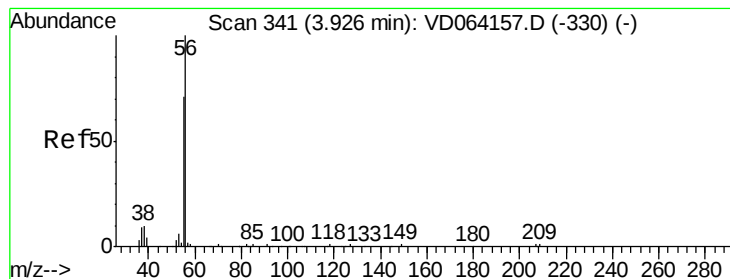
400

200

0

Time-->





#13

Acrolein

Concen: 1.920 ug/l

RT: 3.94 min Scan# 343

Delta R.T. 0.01 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

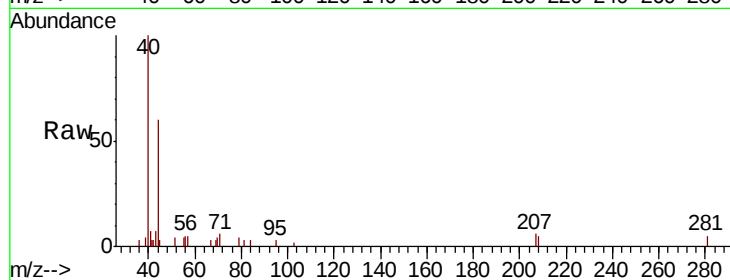
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 793

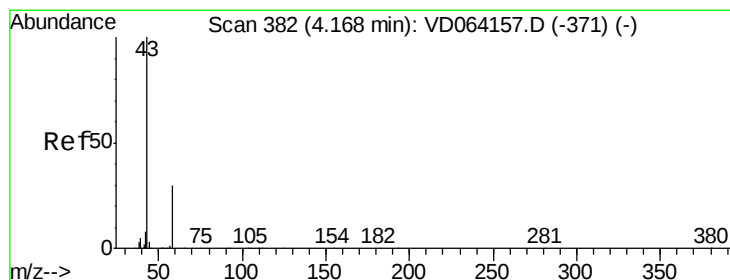
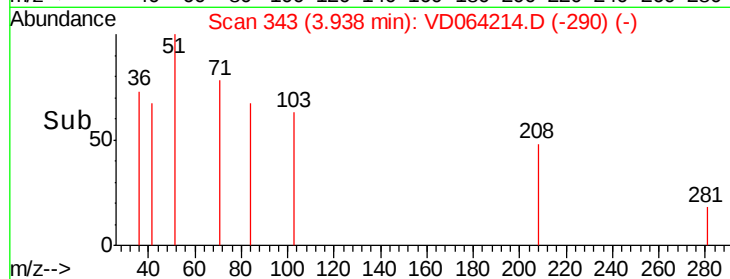
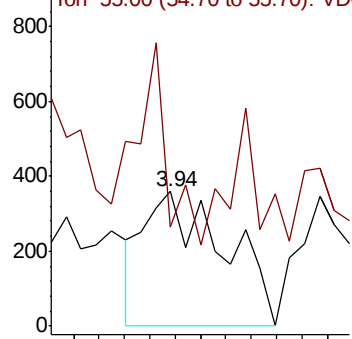
Ion Ratio Lower Upper

56 100

55 57.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1.227 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064214.D

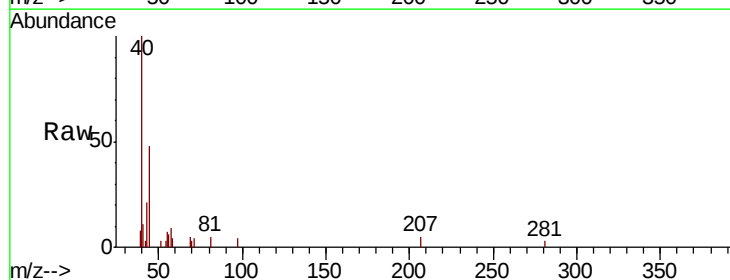
Acq: 14 Nov 2019 14:38

Tgt Ion: 43 Resp: 2032

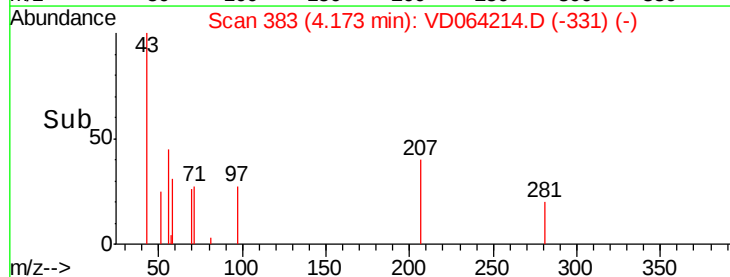
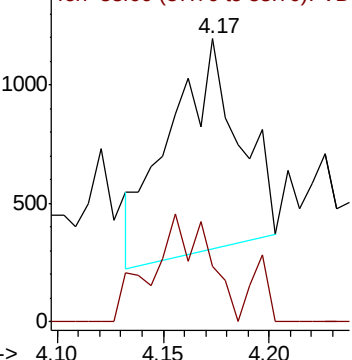
Ion Ratio Lower Upper

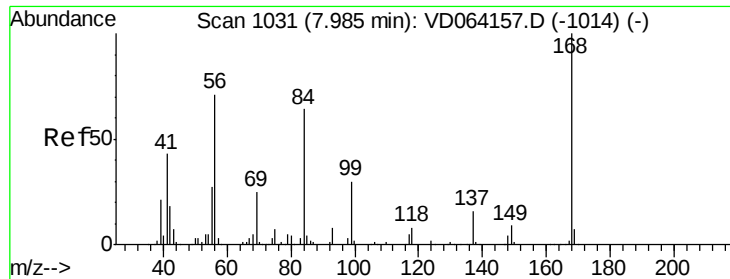
43 100

58 28.4 24.1 36.1



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





#31

Cyclohexane

Concen: 1.330 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :

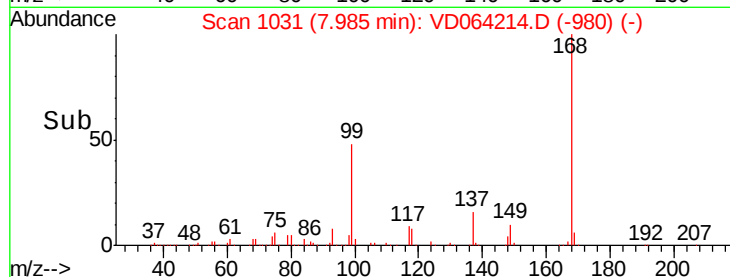
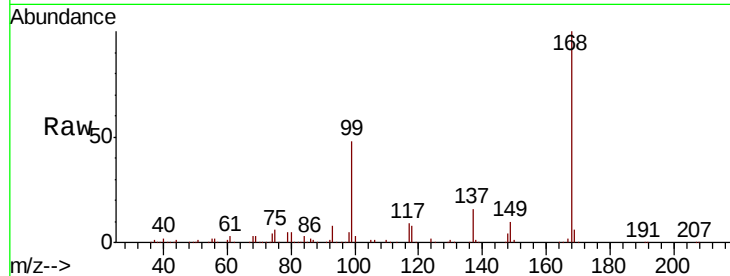
Tot Ion: 56 Resp: 18240

Ion Ratio Lower Upper

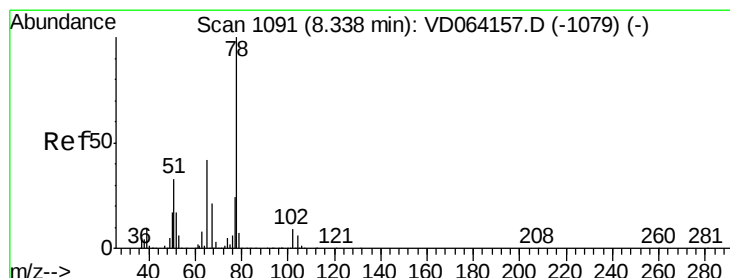
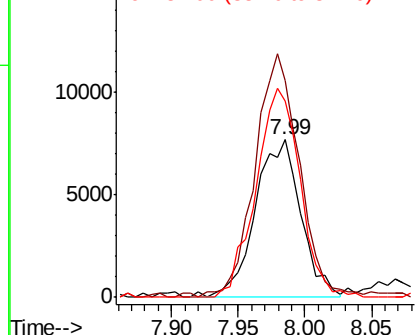
56 100

69 135.2 28.2 42.4#

84 124.5 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: 48.601 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064214.D

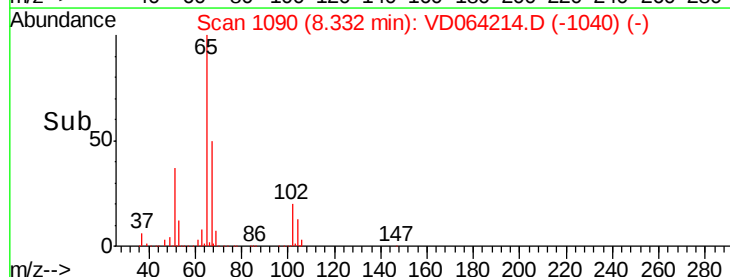
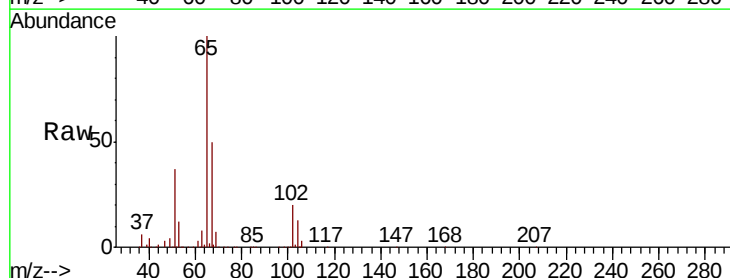
Acq: 14 Nov 2019 14:38

Tgt Ion: 65 Resp: 339671

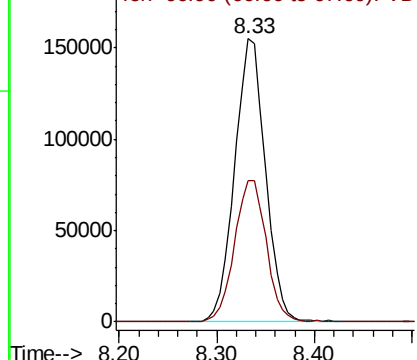
Ion Ratio Lower Upper

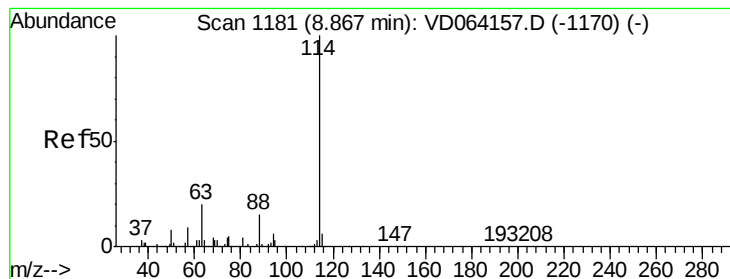
65 100

67 51.5 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: VD064214.D

Acq: 14 Nov 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

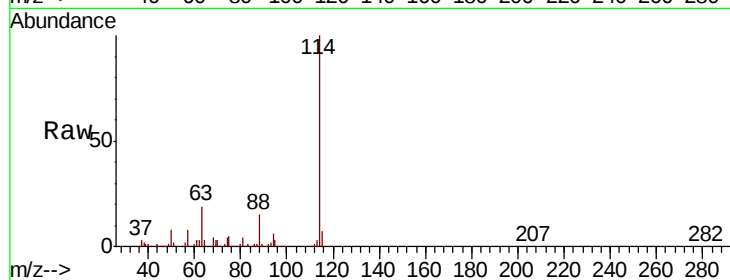
Tot Ion:114 Resp: 1251427

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

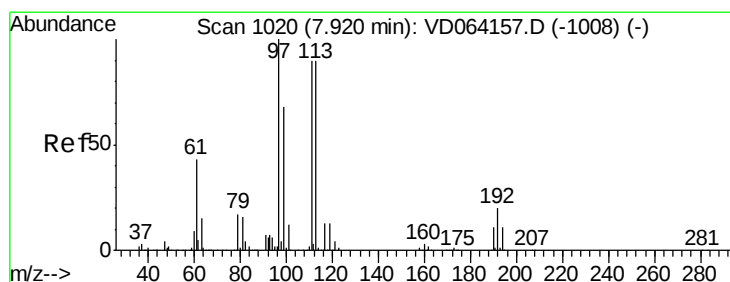
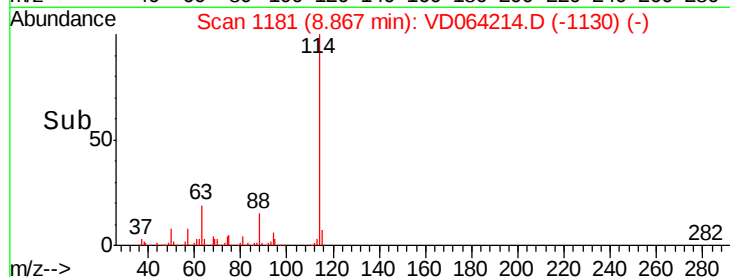
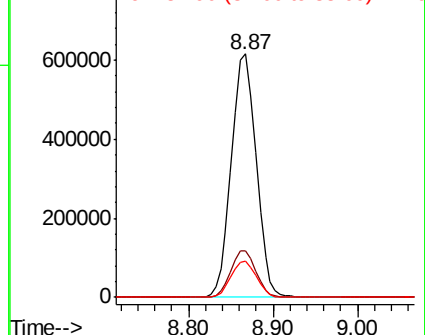
88 15.1 0.0 30.2



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: 51.543 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

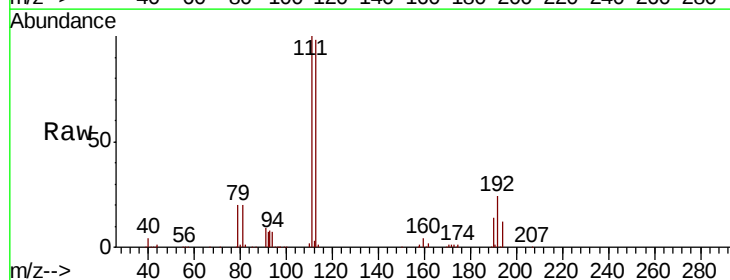
Tgt Ion:113 Resp: 370252

Ion Ratio Lower Upper

113 100

111 101.0 81.5 122.3

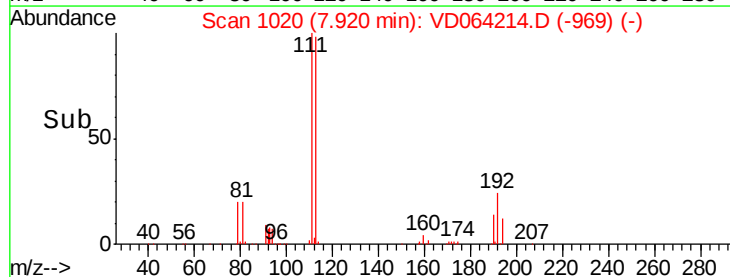
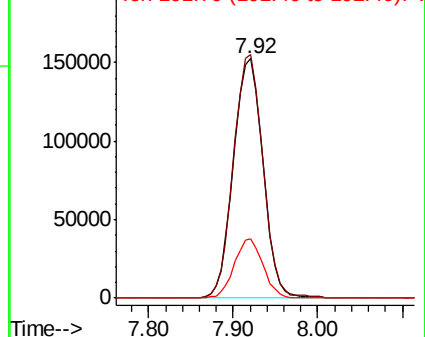
192 23.9 18.8 28.2

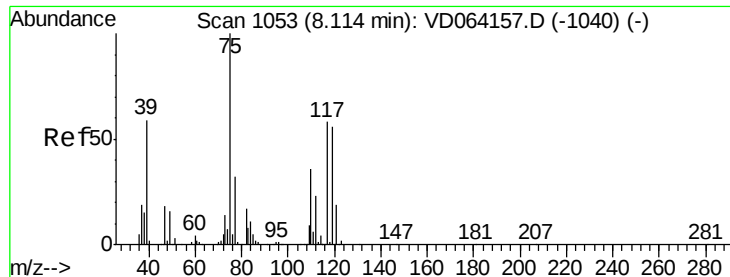


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

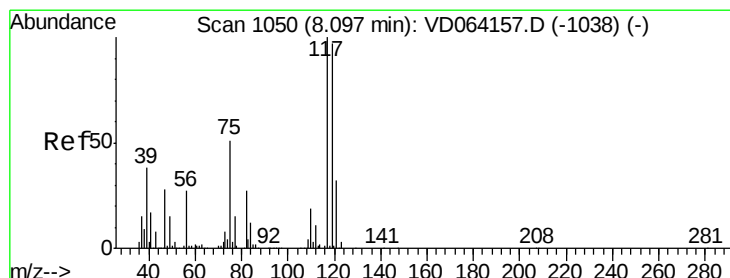
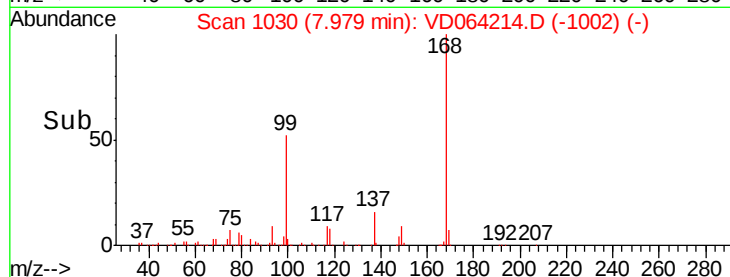
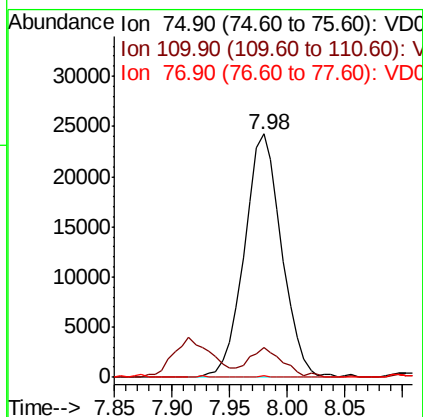
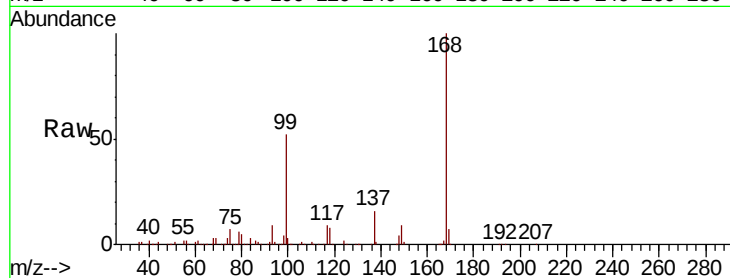
Tot Ion: 75 Resp: 54493

Ion Ratio Lower Upper

75 100

110 11.7 18.3 54.9#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.169 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

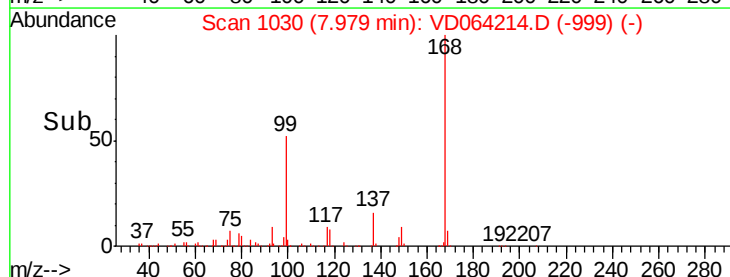
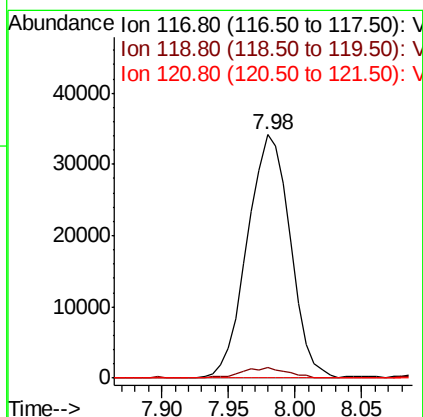
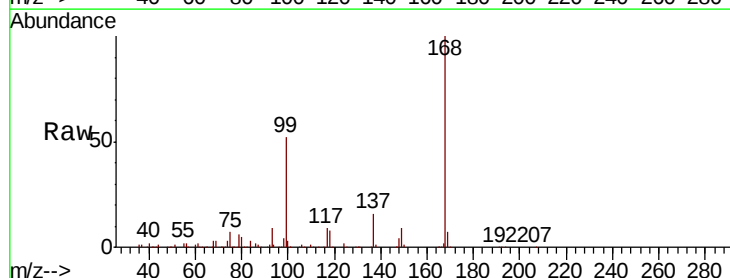
Tgt Ion: 117 Resp: 76235

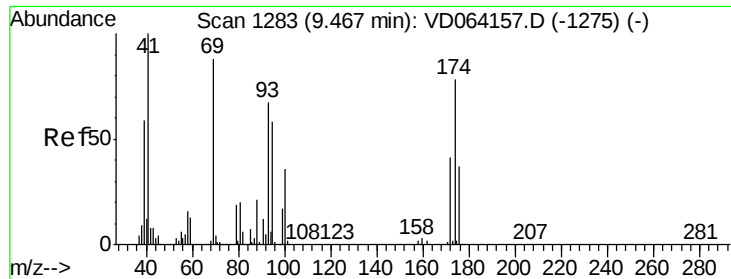
Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

121 0.0 25.5 38.3#

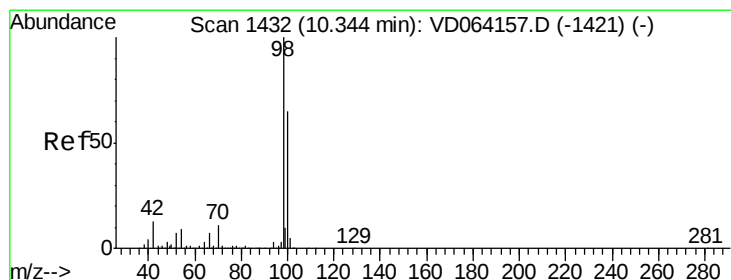
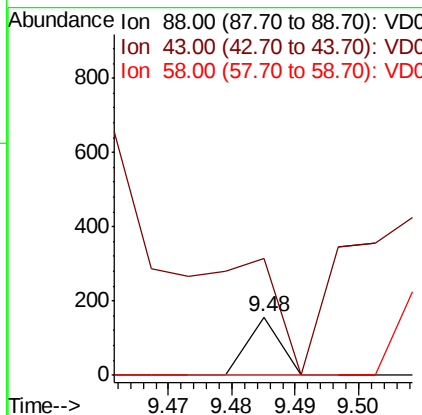
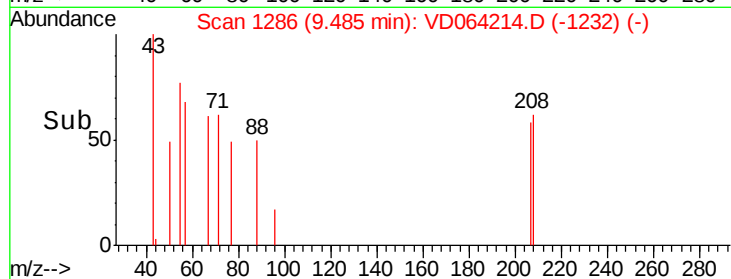
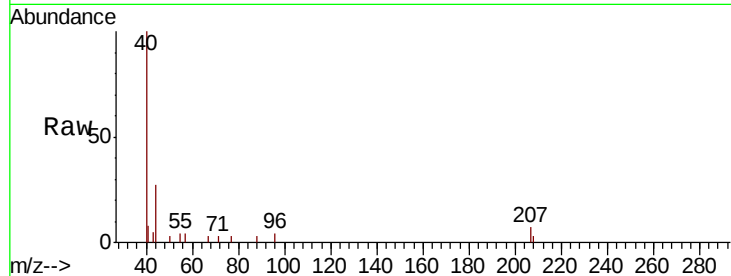




#49
1,4-Dioxane
Concen: 1.113 ug/l
RT: 9.48 min Scan# 1286
Delta R.T. 0.02 min
Lab File: VD064214.D
Acq: 14 Nov 2019 14:38

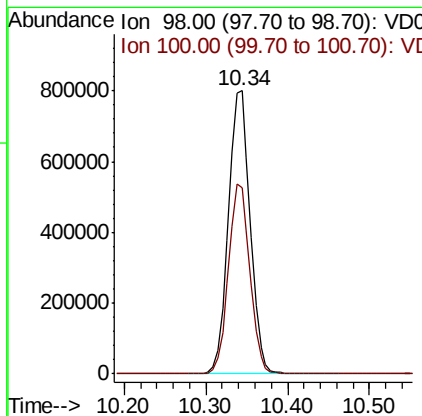
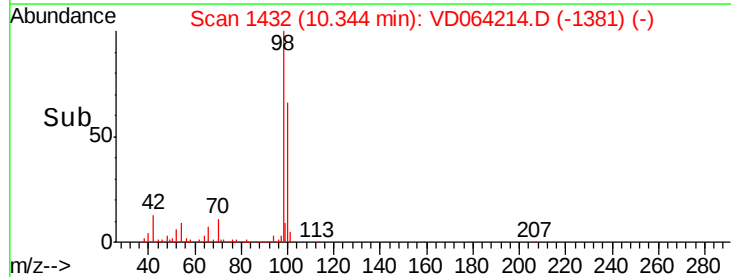
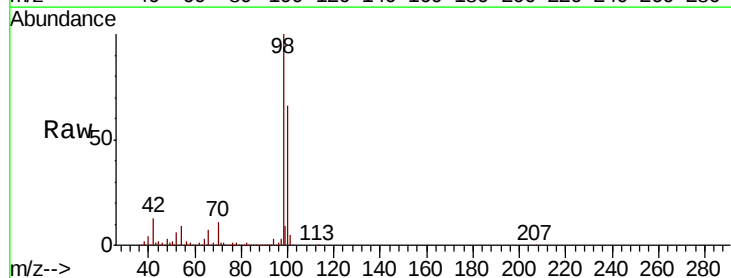
Instrument :
MSVOA_D
ClientSampleId :

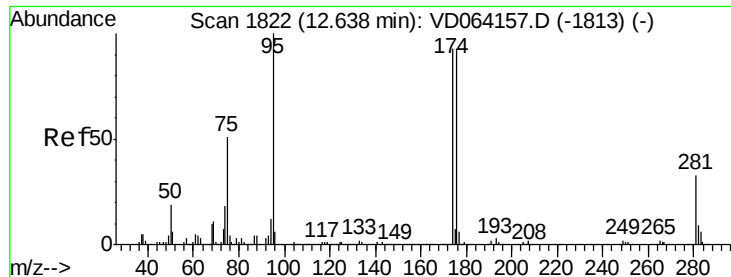
Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 54.722 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064214.D
Acq: 14 Nov 2019 14:38

Tgt Ion: 98 Resp: 1482899
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

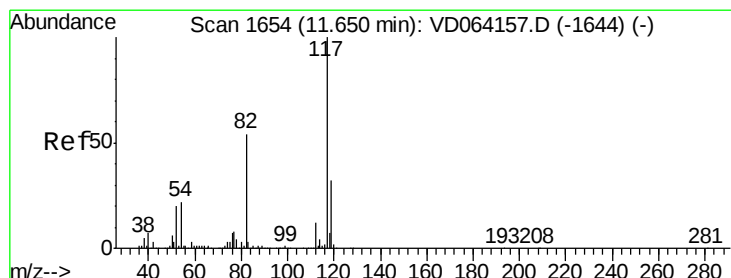
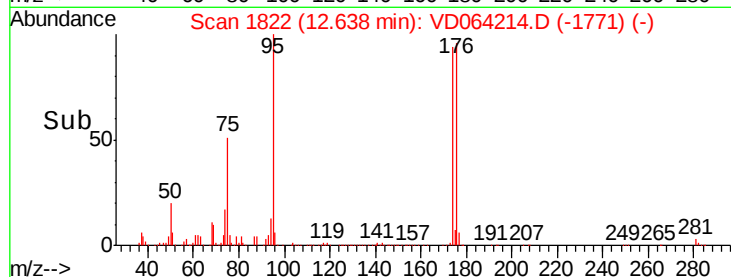
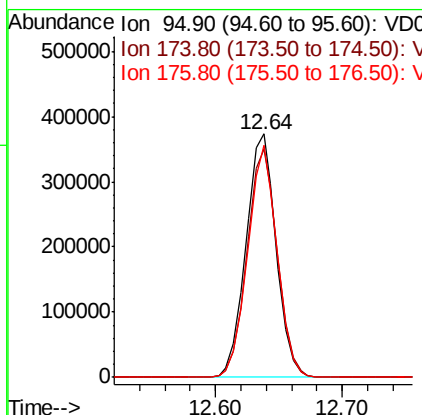
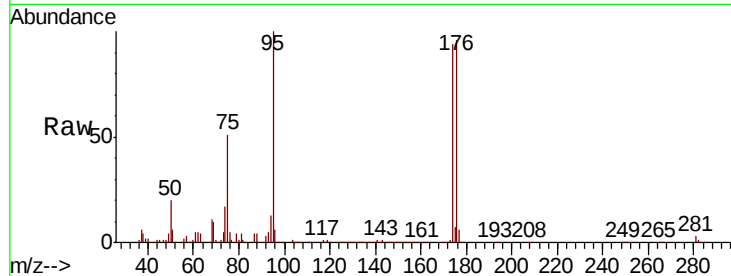




#62
4-Bromofluorobenzene
Concen: 65.673 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064214.D
Acq: 14 Nov 2019 14:38

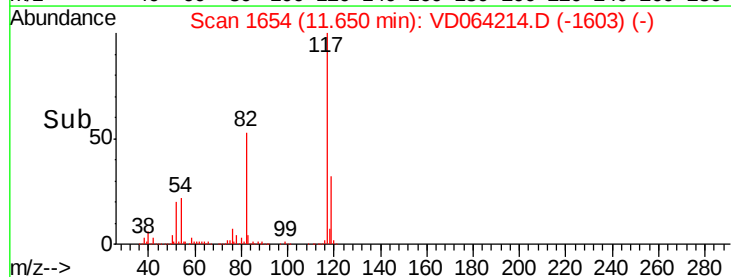
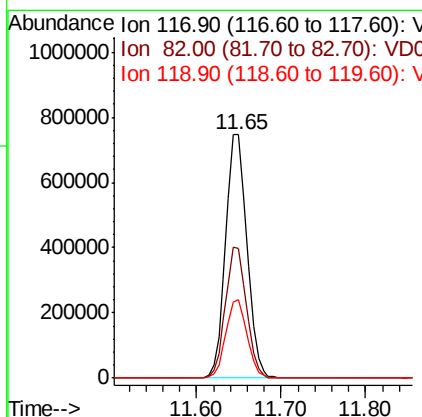
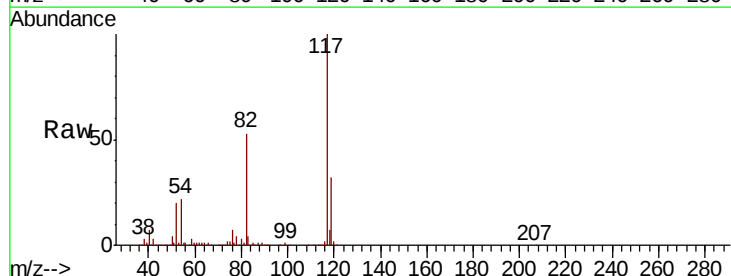
Instrument :
MSVOA_D
ClientSampleId :

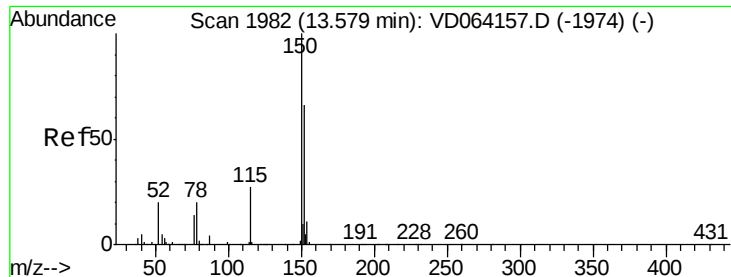
Tot Ion: 95 Resp: 616308
Ion Ratio Lower Upper
95 100
174 94.1 0.0 183.6
176 92.9 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064214.D
Acq: 14 Nov 2019 14:38

Tgt Ion: 117 Resp: 1301414
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

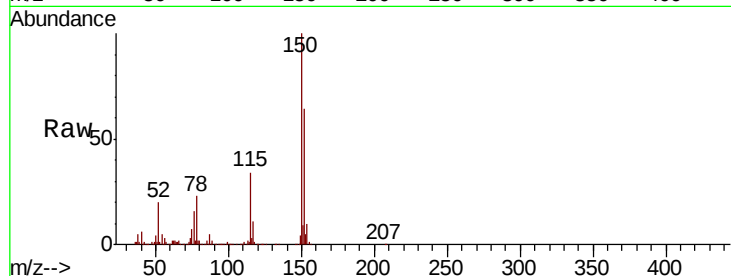
Tot Ion:152 Resp: 711718

Ion Ratio Lower Upper

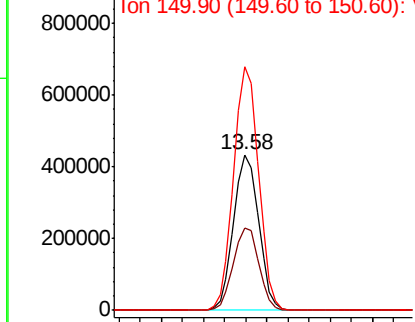
152 100

115 53.6 27.4 82.2

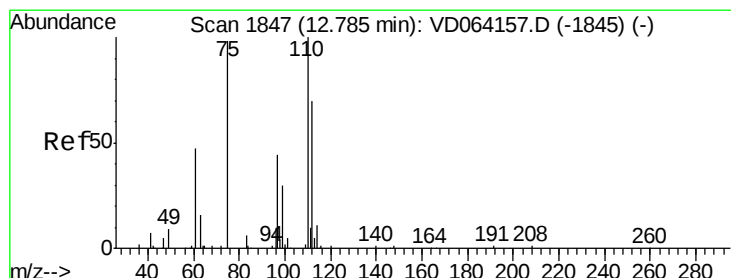
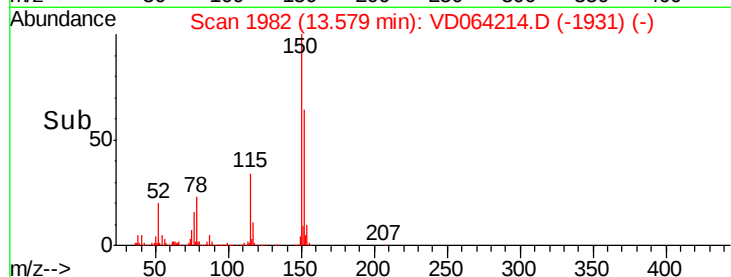
150 155.8 0.0 351.6



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



Time-->



#76

1,2,3-Trichloropropane

Concen: 55.606 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064214.D

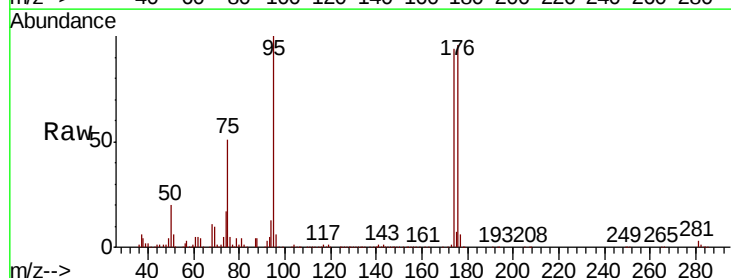
Acq: 14 Nov 2019 14:38

Tgt Ion: 75 Resp: 318770

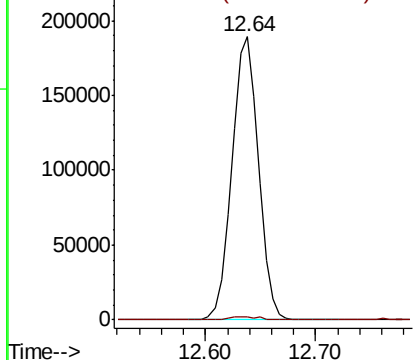
Ion Ratio Lower Upper

75 100

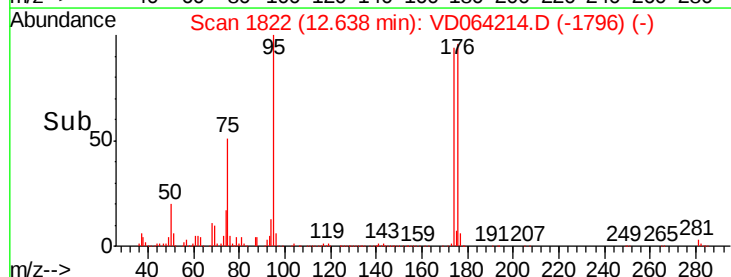
77 1.3 0.0 0.0#

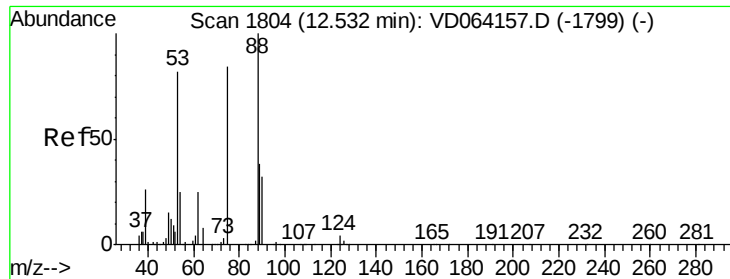


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 110.455 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064214.D

Acq: 14 Nov 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

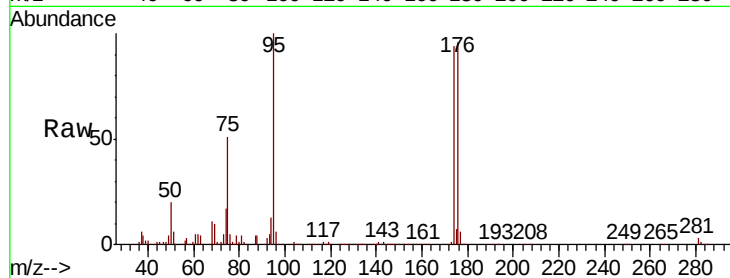
Tot Ion: 75 Resp: 318770

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

