

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064109.D
 Acq On : 30 Oct 2019 12:20
 Operator : VA/SY
 Sample : VD1030SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:02:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	237092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	395096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	213379	50.00	ug/l	0.00

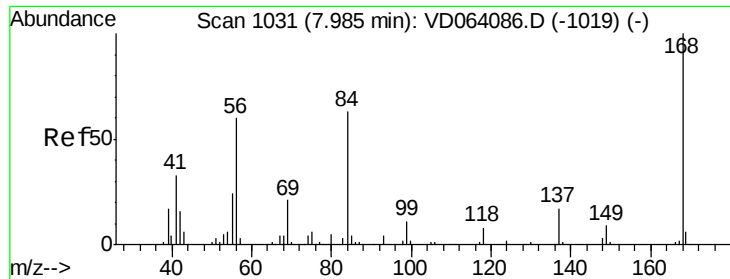
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	110979	58.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.72%	
35) Dibromofluoromethane	7.91	113	125737	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.34	98	493078	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.64	95	169442	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

					Qvalue	
11) Tert butyl alcohol	5.26	59	518	10.846	ug/l #	71
13) Acrolein	3.91	56	304	2.528	ug/l #	42
16) Acetone	4.16	43	593	1.653	ug/l #	42
20) Methylene Chloride	4.95	84	5881	Below Cal	#	64
25) 2-Butanone	7.21	43	1320	2.661	ug/l #	45
26) 2,2-Dichloropropane	7.22	77	4096	1.199	ug/l #	53
28) Bromochloromethane	7.51	49	60	2.291	ug/l #	5
31) Cyclohexane	8.00	56	6049	1.725	ug/l #	51
51) 4-Methyl-2-Pentanone	10.23	43	1317	1.050	ug/l #	70
56) Ethyl methacrylate	10.66	69	202	3.097	ug/l #	25
59) 2-Hexanone	11.00	43	368	9.375	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	94143	65.660	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	94143	134.095	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

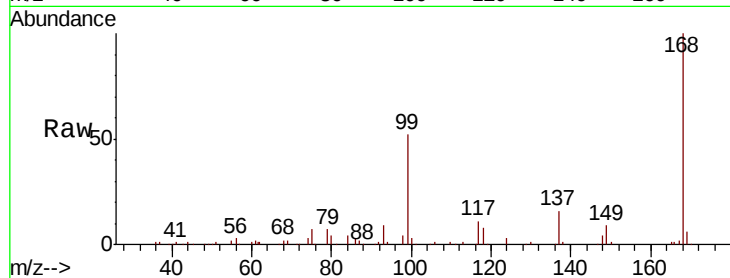
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 237092

Ion Ratio Lower Upper

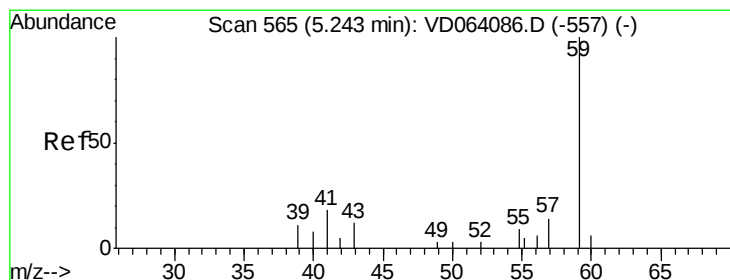
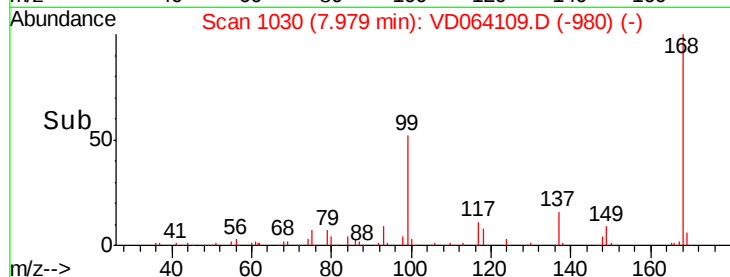
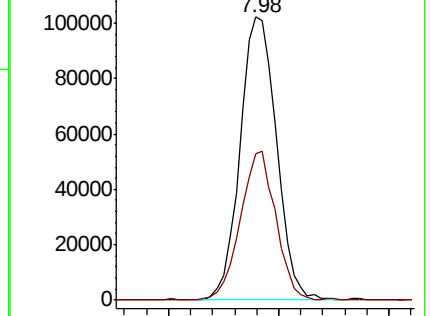
168 100

99 51.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 10.846 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064109.D

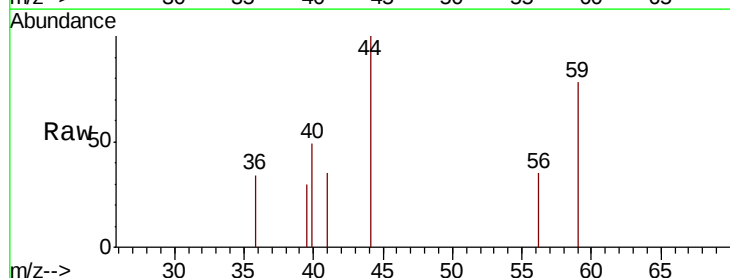
Acq: 30 Oct 2019 12:20

Tgt Ion: 59 Resp: 518

Ion Ratio Lower Upper

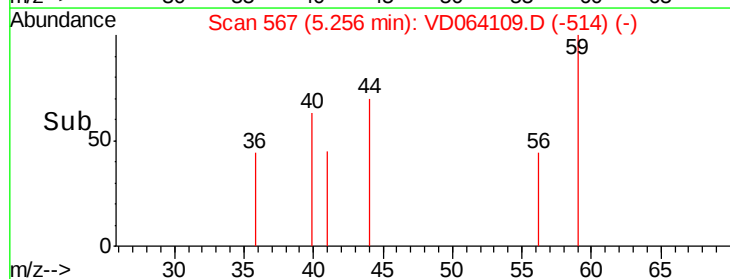
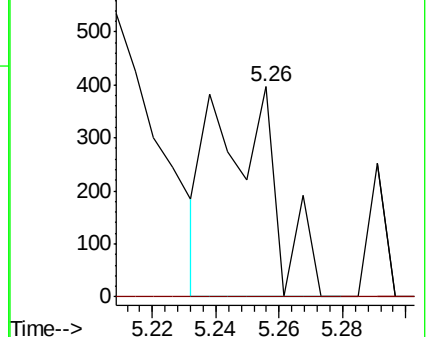
59 100

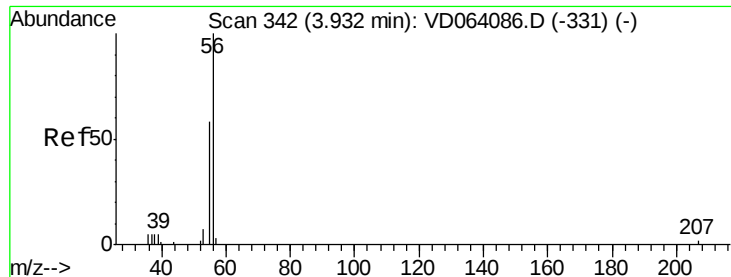
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 2.528 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

Instrument :

MSVOA_D

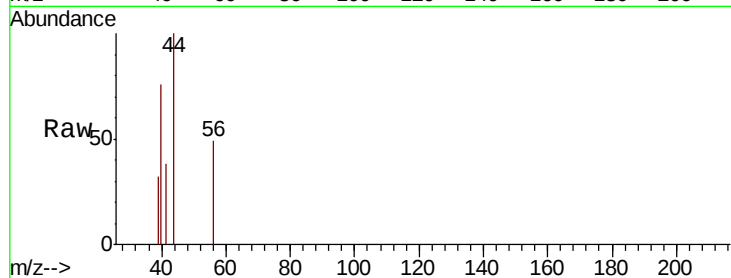
ClientSampleId :

Tot Ion: 56 Resp: 304

Ion Ratio Lower Upper

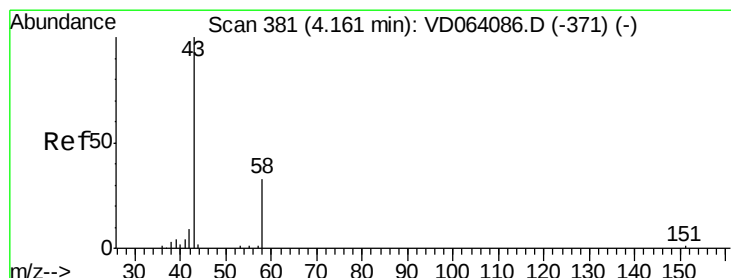
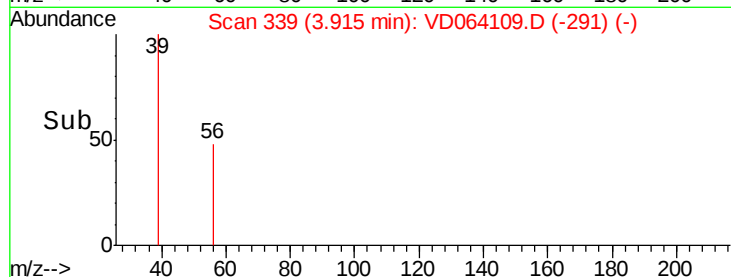
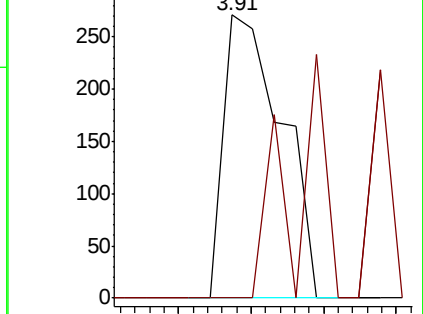
56 100

55 20.4 53.8 80.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1.653 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064109.D

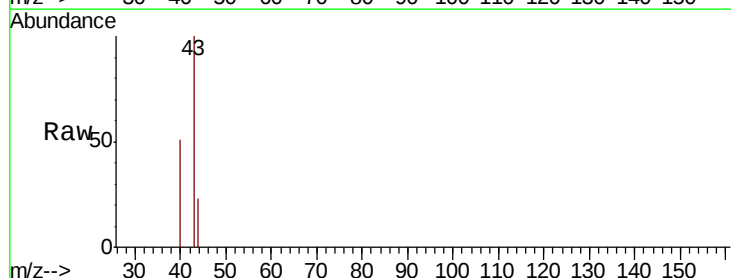
Acq: 30 Oct 2019 12:20

Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

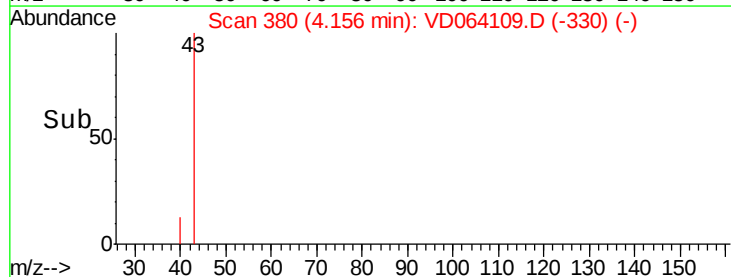
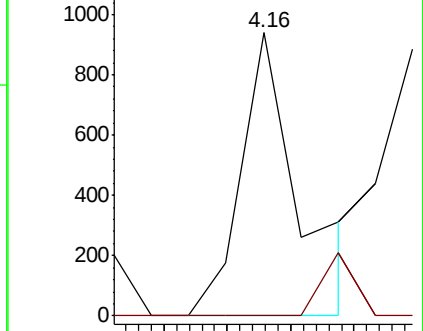
43 100

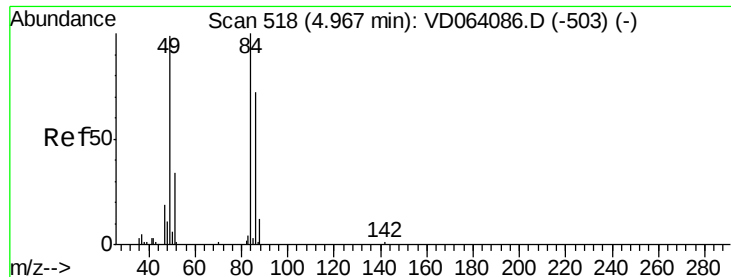
58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

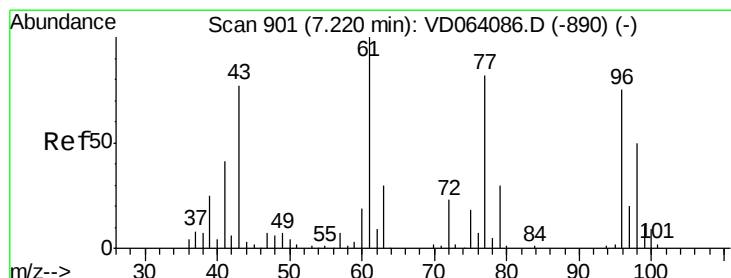
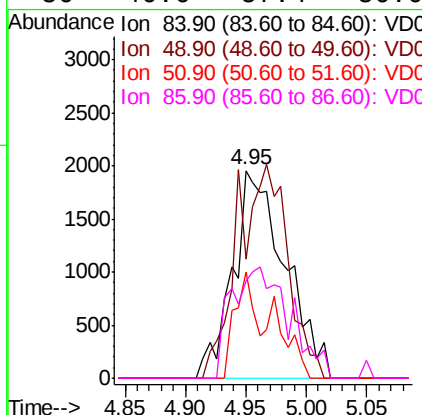
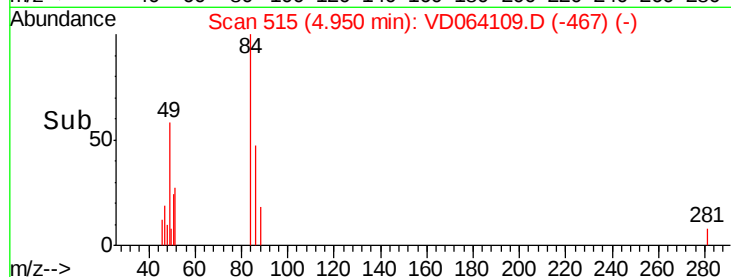
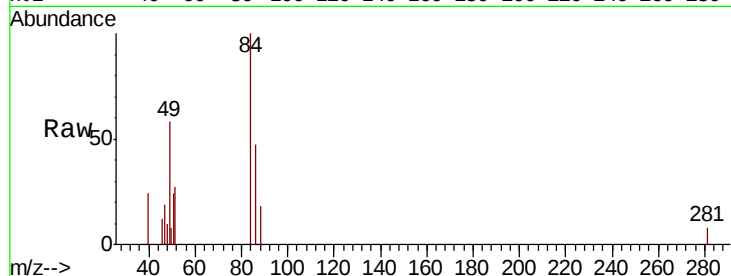




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.02 min
Lab File: VD064109.D
Acq: 30 Oct 2019 12:20

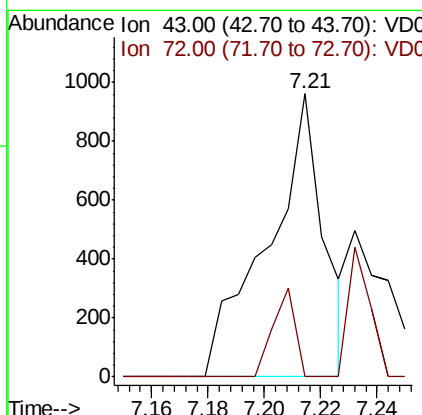
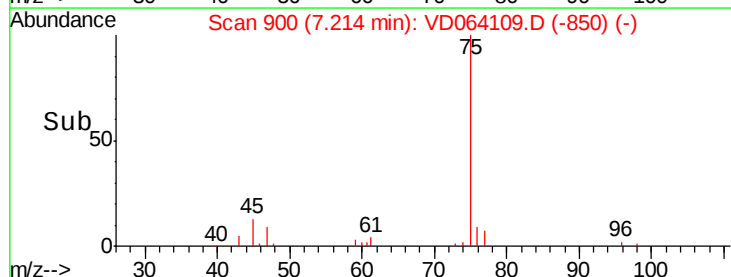
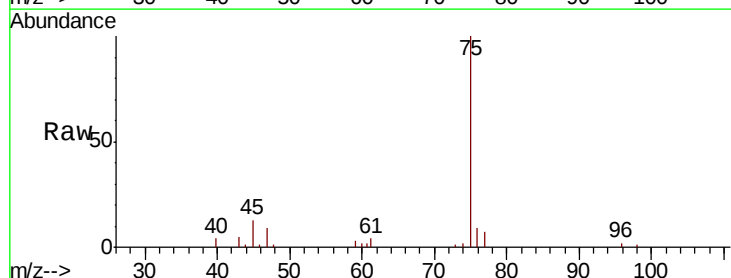
Instrument :
MSVOA_D
ClientSampleId :

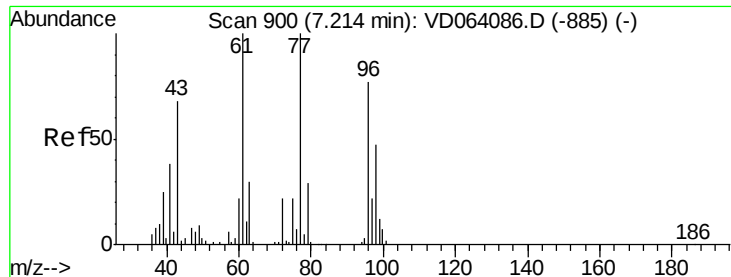
Tot Ion: 84 Resp: 5881
Ion Ratio Lower Upper
84 100
49 57.6 79.4 119.0#
51 51.0 27.4 41.2#
86 46.6 57.4 86.0#



#25
2-Butanone
Concen: 2.661 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064109.D
Acq: 30 Oct 2019 12:20

Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.0#





#26

2,2-Dichloropropane

Concen: 1.199 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

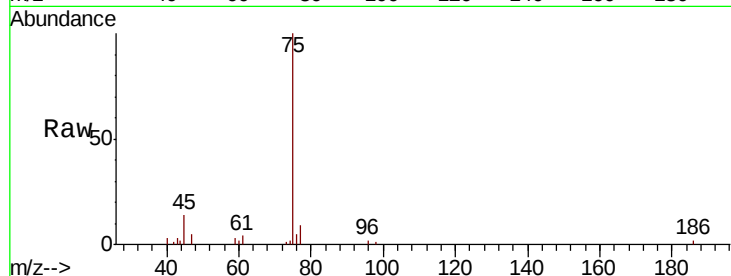
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 77 Resp: 4096

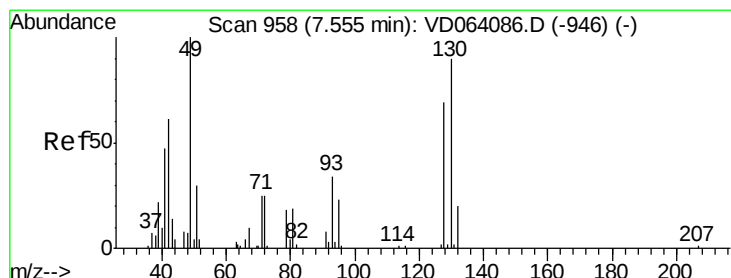
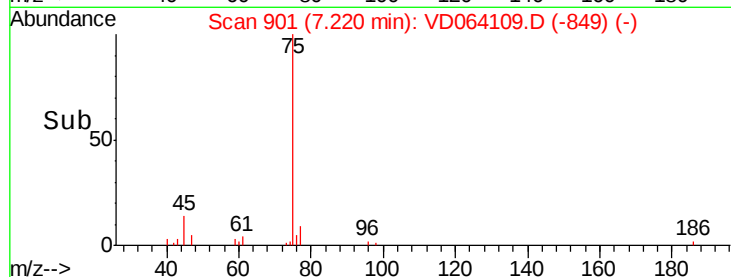
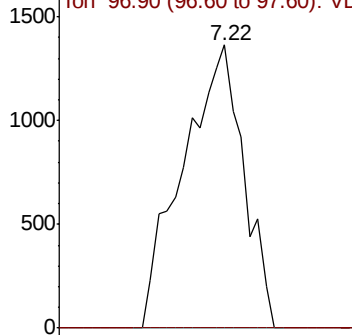
Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



#28

Bromochloromethane

Concen: 2.291 ug/l

RT: 7.51 min Scan# 951

Delta R.T. -0.04 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

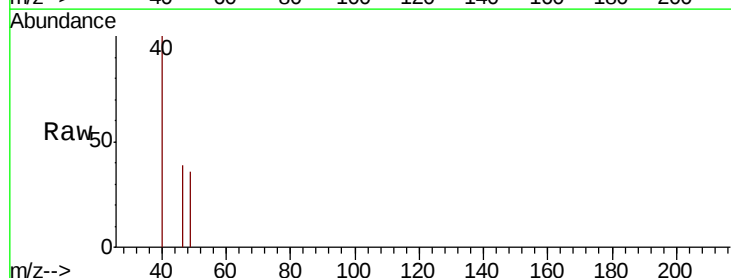
Tgt Ion: 49 Resp: 60

Ion Ratio Lower Upper

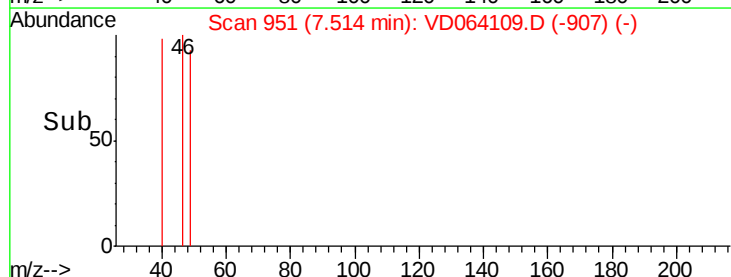
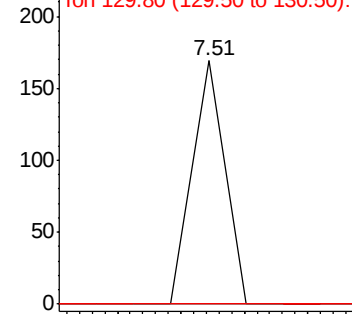
49 100

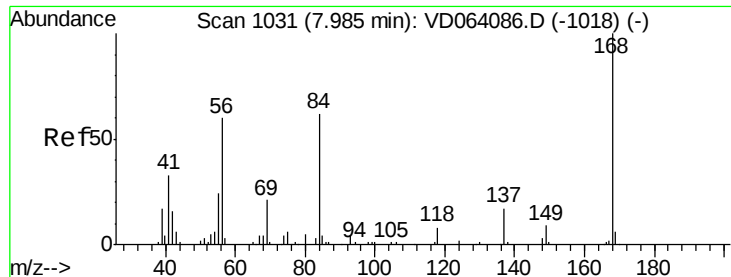
129 0.0 0.0 5.4

130 0.0 75.3 112.9#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

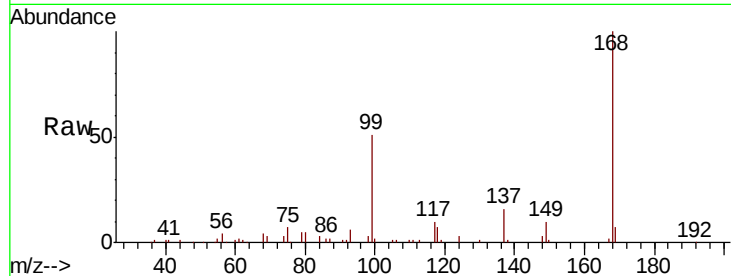




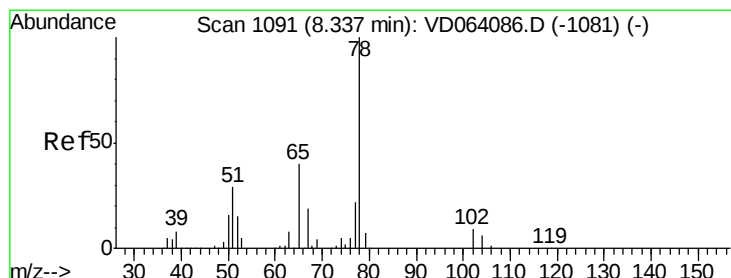
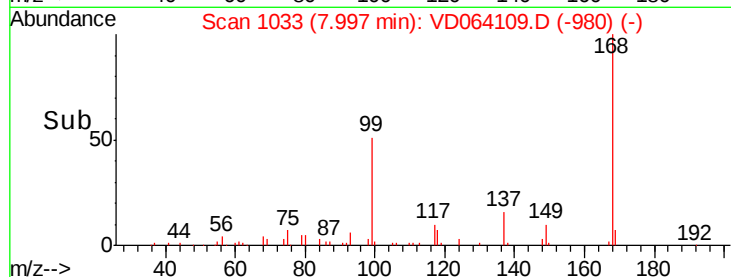
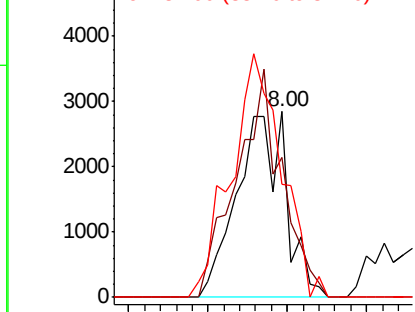
#31
Cyclohexane
Concen: 1.725 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD064109.D
Acq: 30 Oct 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6049
Ion Ratio Lower Upper
56 100
69 75.8 27.7 41.5#
84 61.1 83.1 124.7#

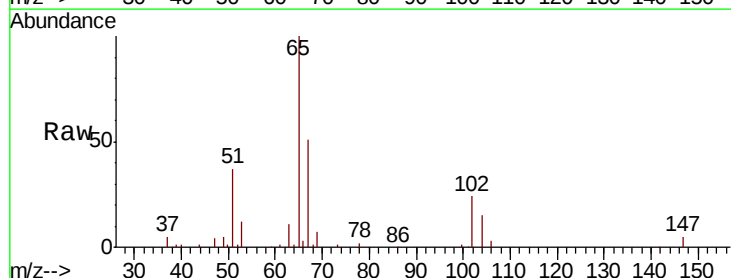


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

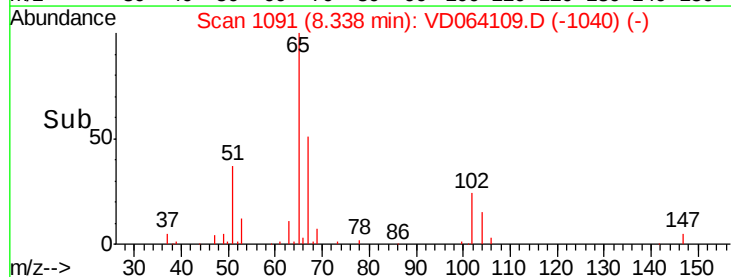
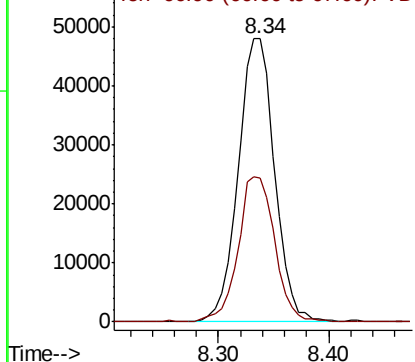


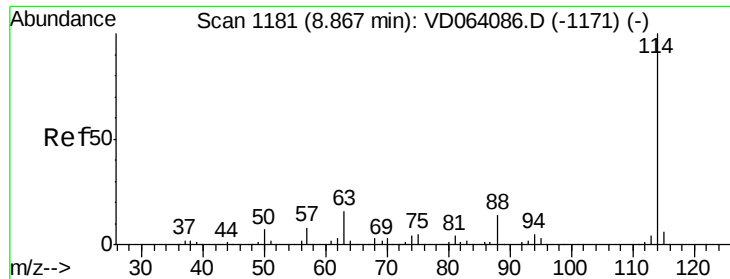
#33
1,2-Dichloroethane-d4
Concen: 58.856 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064109.D
Acq: 30 Oct 2019 12:20

Tgt Ion: 65 Resp: 110979
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6



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

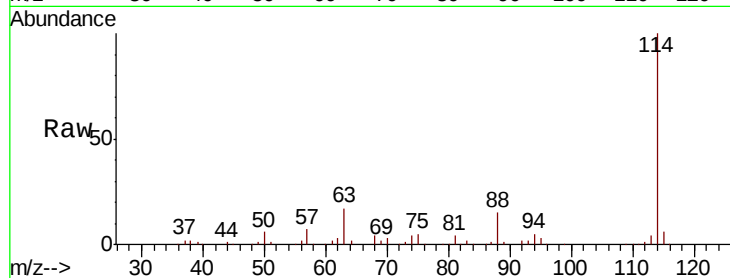




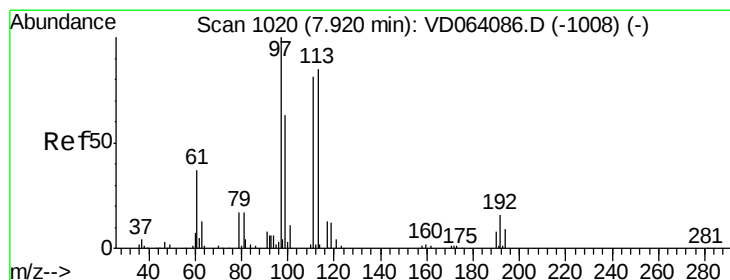
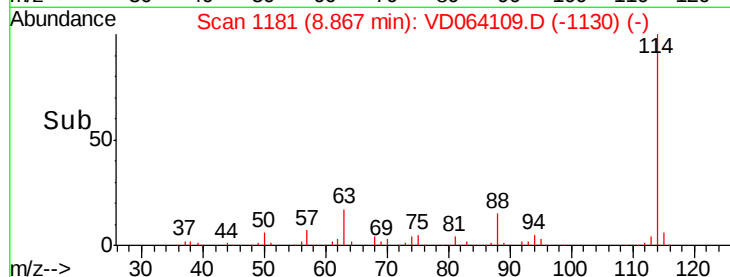
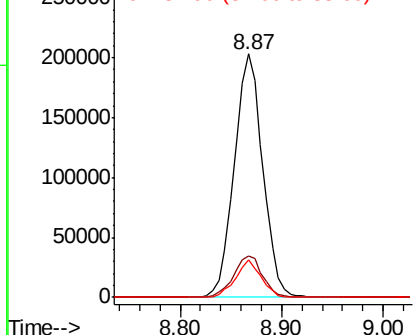
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064109.D
 Acq: 30 Oct 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:114 Resp: 395096
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 32.8
 88 15.3 0.0 27.6

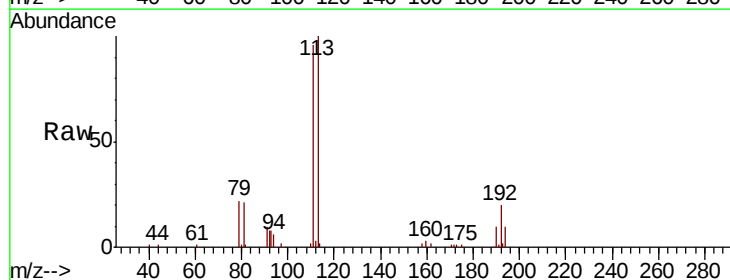


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

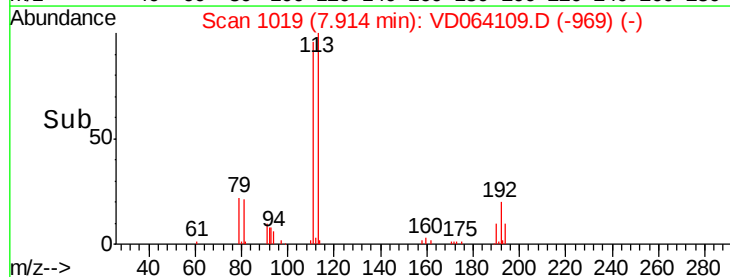
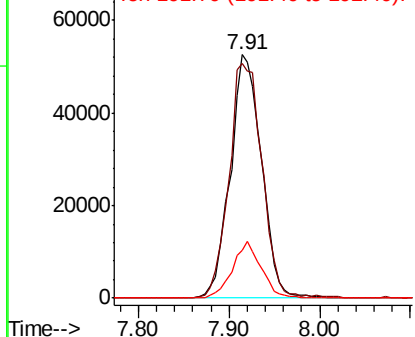


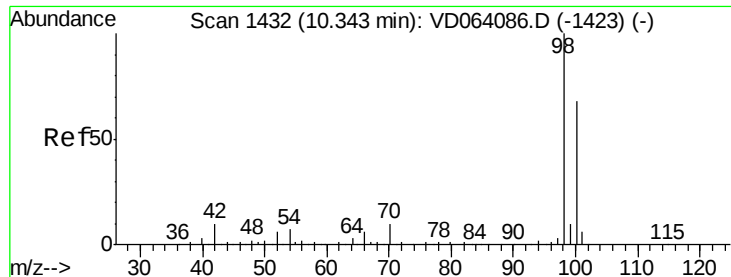
#35
 Dibromofluoromethane
 Concen: 51.728 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064109.D
 Acq: 30 Oct 2019 12:20

Tgt Ion:113 Resp: 125737
 Ion Ratio Lower Upper
 113 100
 111 101.6 79.3 118.9
 192 21.4 16.2 24.2



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





#50

Toluene-d8

Concen: 50.723 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

Instrument :

MSVOA_D

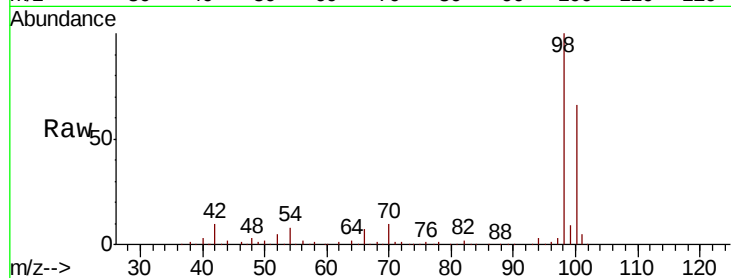
ClientSampleId :

Tot Ion: 98 Resp: 493078

Ion Ratio Lower Upper

98 100

100 65.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

250000

200000

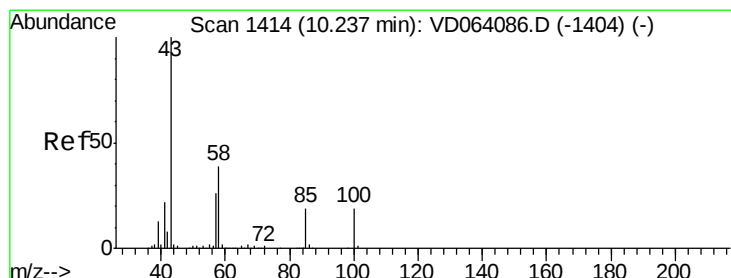
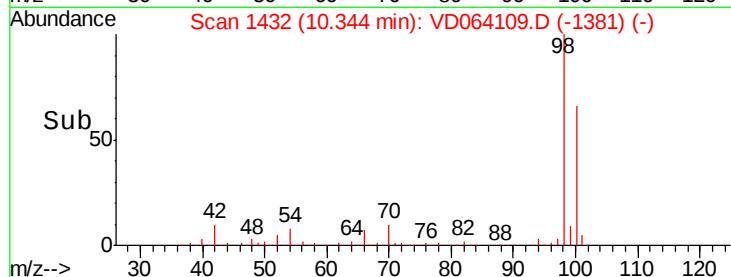
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.050 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD064109.D

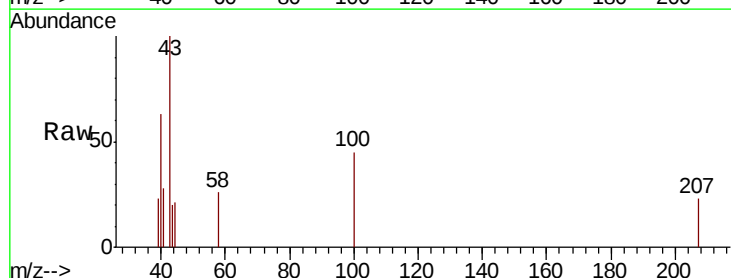
Acq: 30 Oct 2019 12:20

Tgt Ion: 43 Resp: 1317

Ion Ratio Lower Upper

43 100

58 22.6 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

1000

800

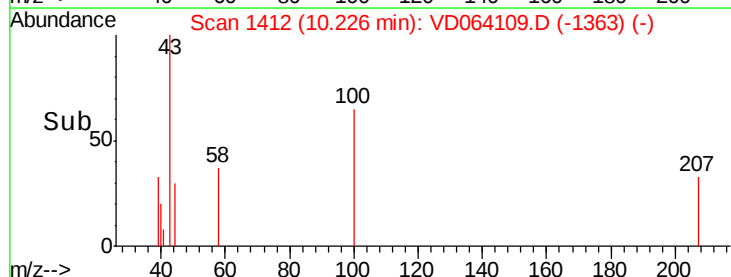
600

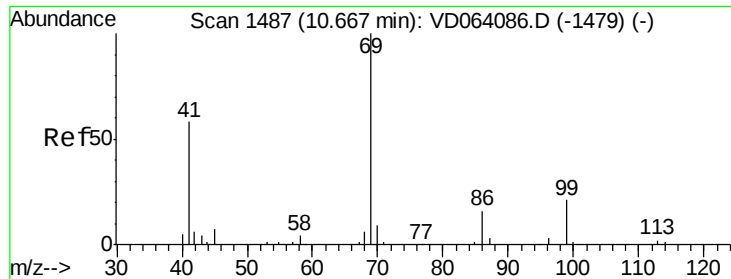
400

200

0

Time-->





#56

Ethyl methacrylate

Concen: 3.097 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

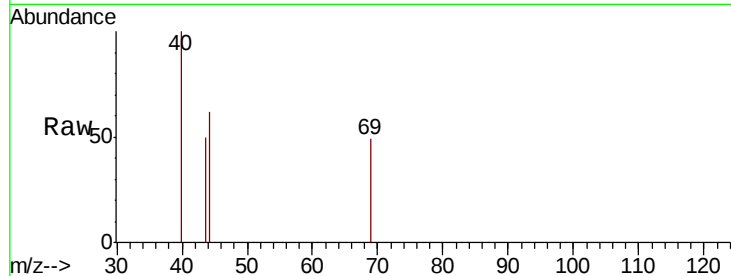
Tot Ion: 69 Resp: 202

Ion Ratio Lower Upper

69 100

41 0.0 46.9 70.3#

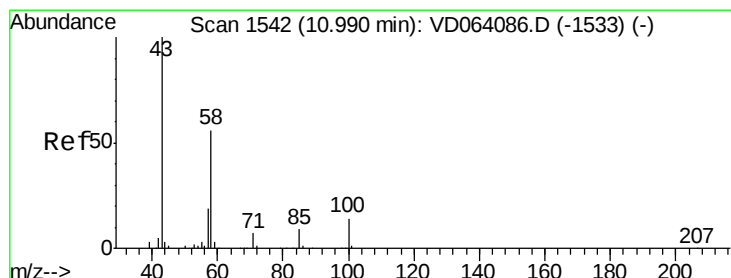
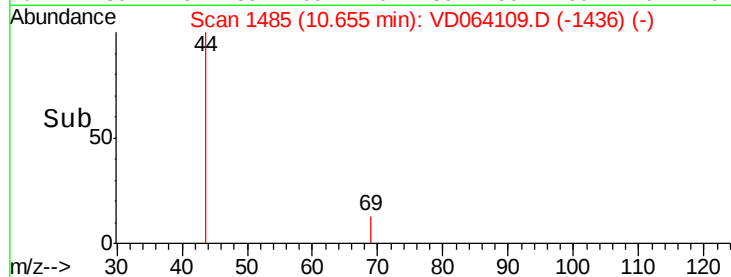
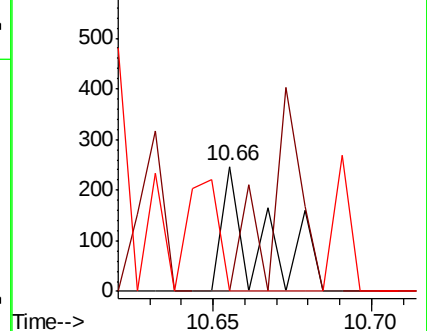
39 74.3 27.3 40.9#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#59

2-Hexanone

Concen: 9.375 ug/l

RT: 11.00 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VD064109.D

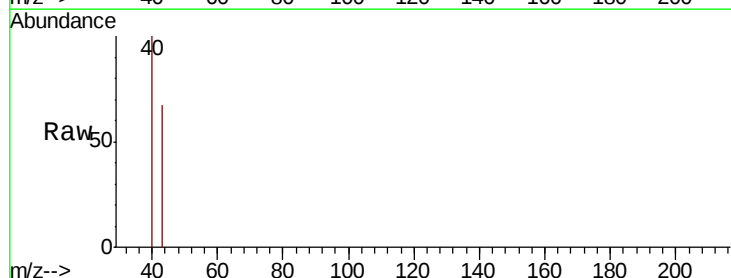
Acq: 30 Oct 2019 12:20

Tgt Ion: 43 Resp: 368

Ion Ratio Lower Upper

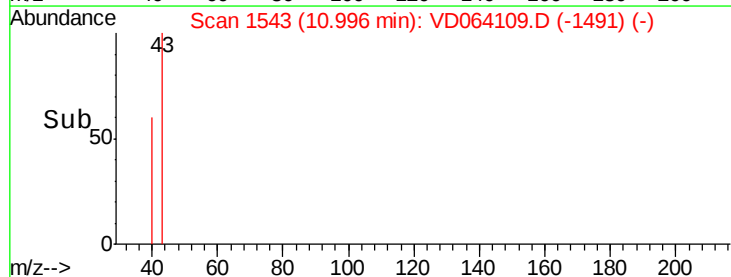
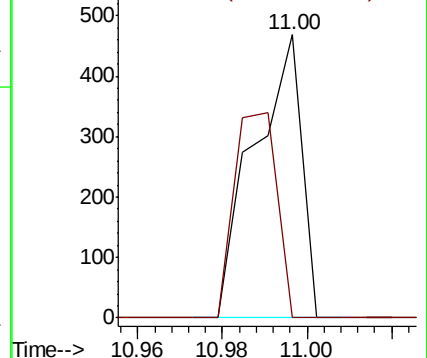
43 100

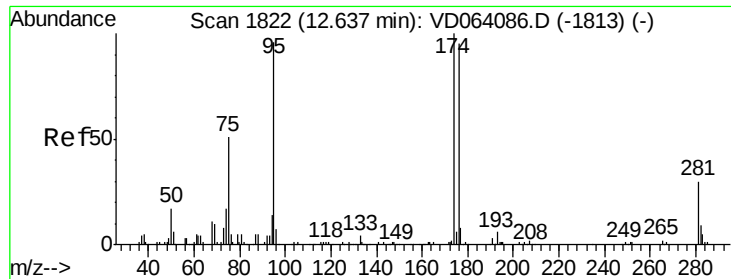
58 64.4 29.2 87.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

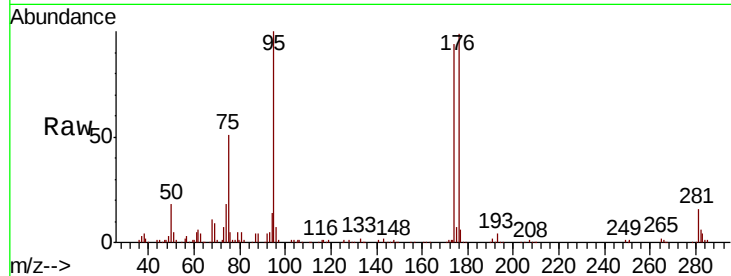




#62
4-Bromofluorobenzene
Concen: 52.576 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064109.D
Acq: 30 Oct 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	95	Resp	169442
Ion Ratio	Lower	Upper	
95	100		
174	98.8	0.0	201.6
176	98.0	0.0	192.6

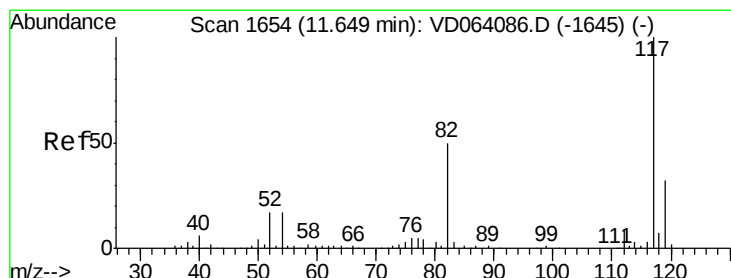
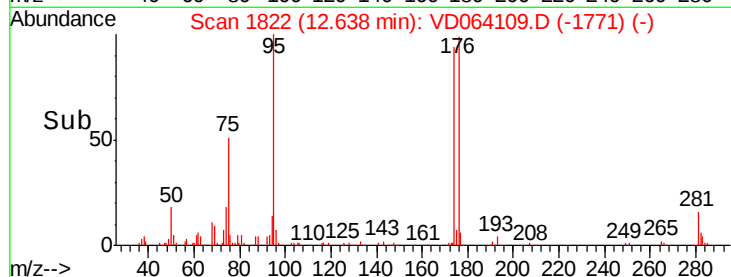
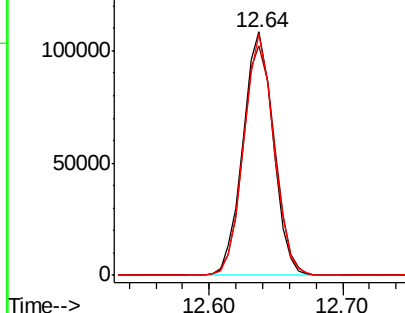


Abundance

Ion 94.90 (94.60 to 95.60): V

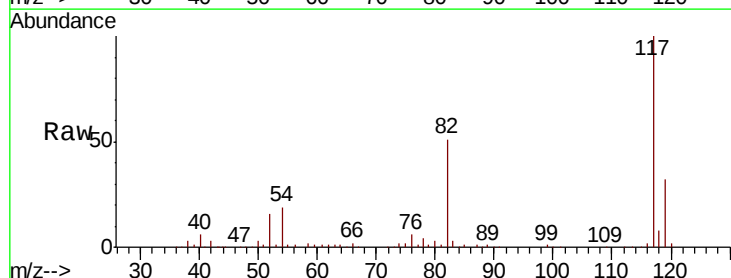
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064109.D
Acq: 30 Oct 2019 12:20

Tgt Ion	117	Resp	417666
Ion Ratio	Lower	Upper	
117	100		
82	51.4	40.2	60.4
119	32.1	26.0	39.0

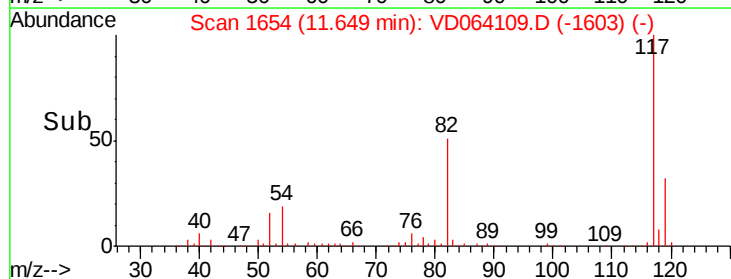
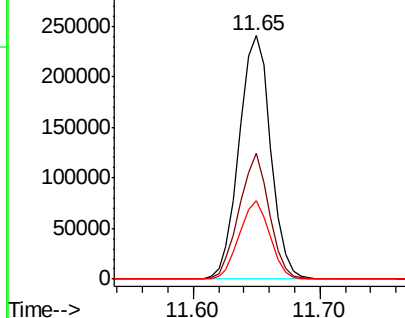


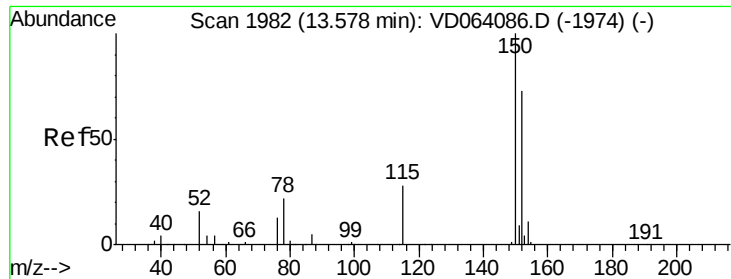
Abundance

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

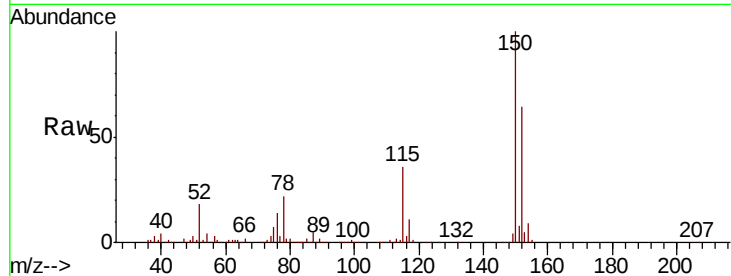
Tot Ion:152 Resp: 213379

Ion Ratio Lower Upper

152 100

115 54.7 26.2 78.6

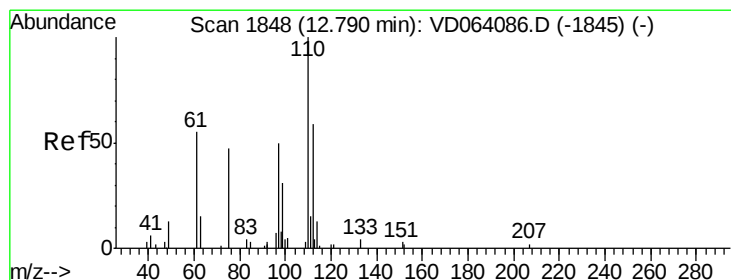
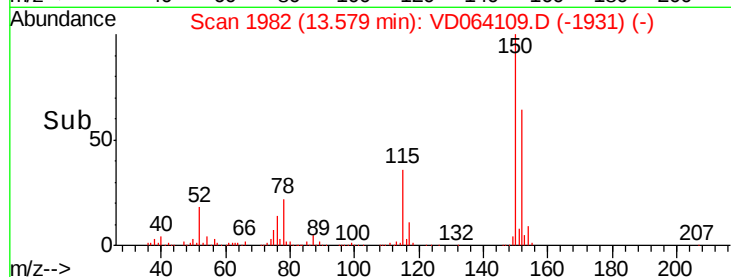
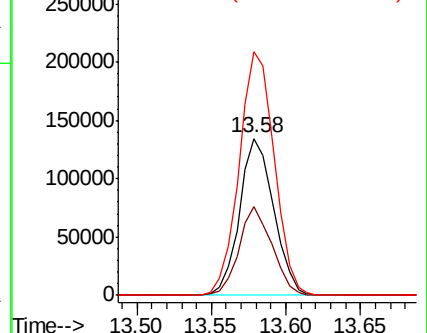
150 159.8 0.0 338.8



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: 65.660 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064109.D

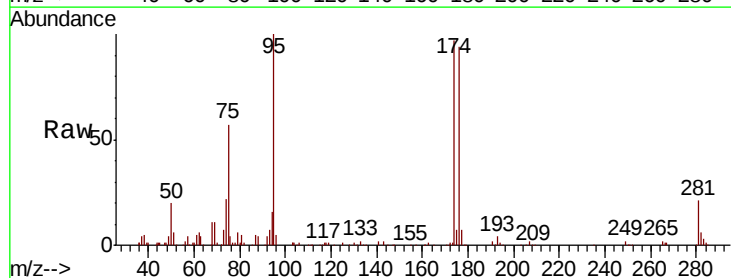
Acq: 30 Oct 2019 12:20

Tgt Ion: 75 Resp: 94143

Ion Ratio Lower Upper

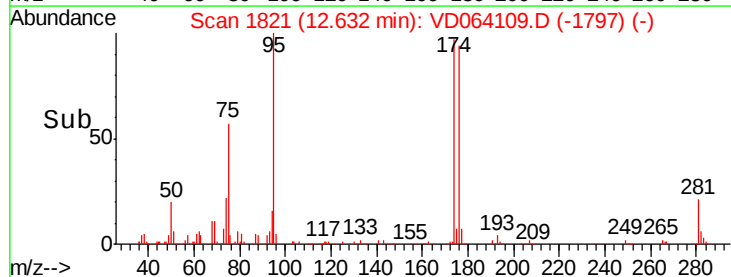
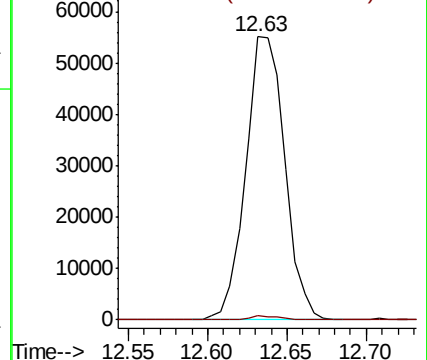
75 100

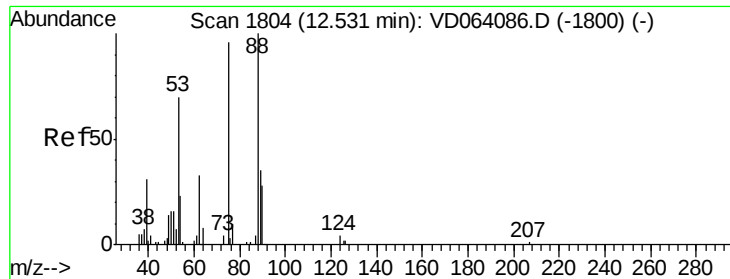
77 1.1 0.0 0.0#



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: 134.095 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064109.D

Acq: 30 Oct 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

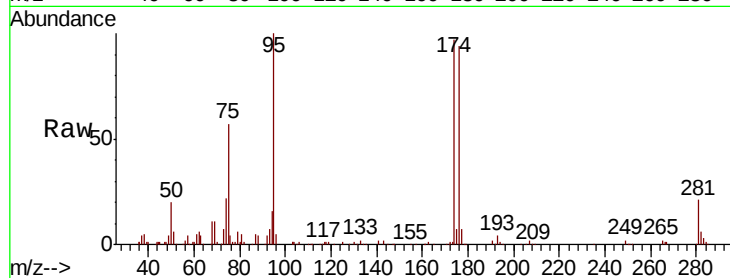
Tot Ion: 75 Resp: 94143

Ion Ratio Lower Upper

75 100

53 0.1 68.6 103.0#

89 0.1 36.9 55.3#



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

