

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064116.D
 Acq On : 30 Oct 2019 17:00
 Operator : VA/SY
 Sample : K5602-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:04:29 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	200018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	341735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	340966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	96857	60.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.78%	
35) Dibromofluoromethane	7.91	113	106707	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.34	98	418814	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	134360	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

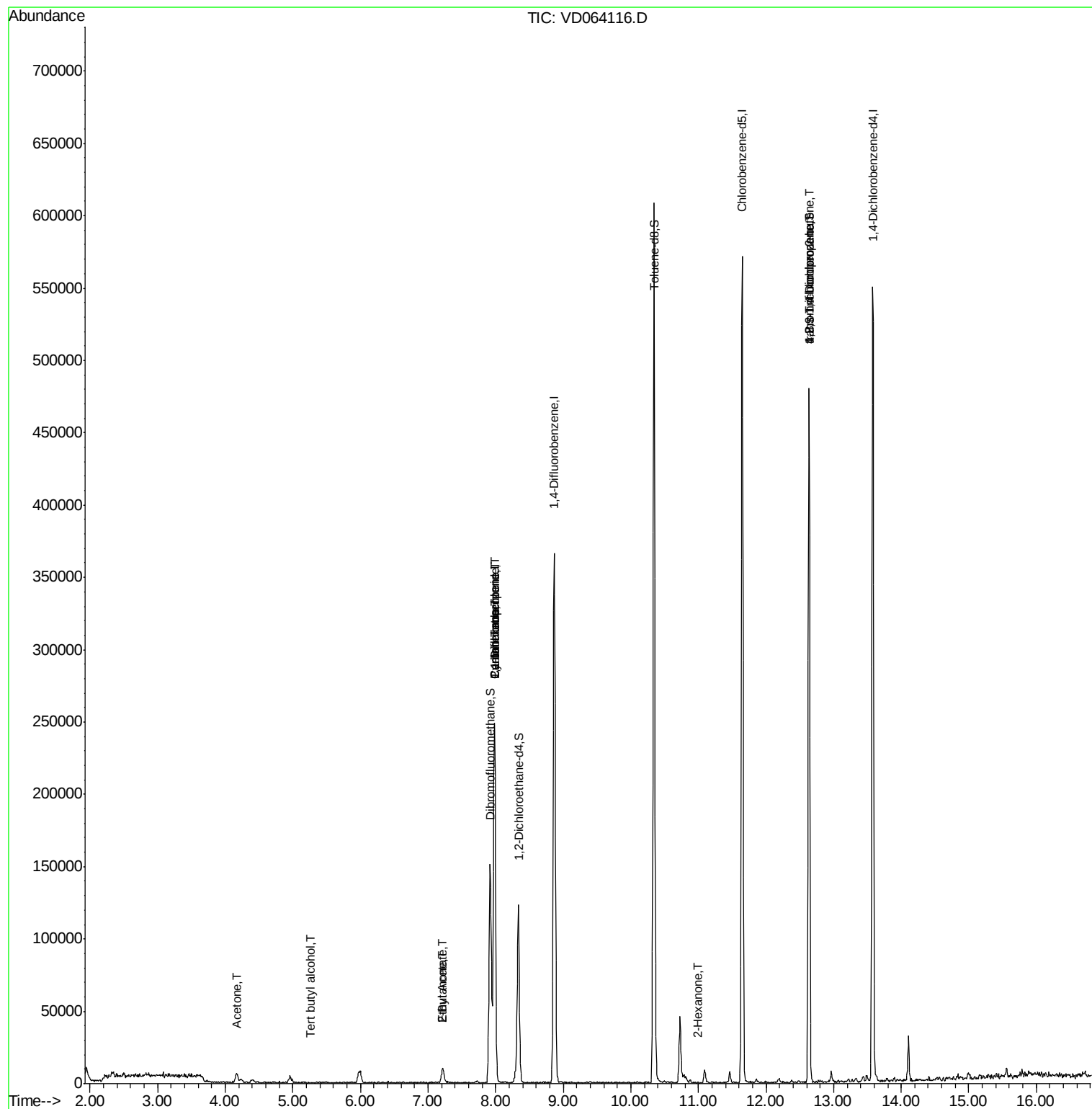
					Qvalue	
11) Tert butyl alcohol	5.26	59	54	6.766	ug/l #	71
16) Acetone	4.17	43	10929	36.108	ug/l	95
20) Methylene Chloride	4.96	84	3305	Below Cal	#	85
25) 2-Butanone	7.22	43	4018	9.603	ug/l #	66
31) Cyclohexane	7.98	56	3535	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	14396	4.496	ug/l #	53
37) Ethyl Acetate	7.22	43	4018	4.077	ug/l #	89
38) Carbon Tetrachloride	7.98	117	18699	5.352	ug/l #	18
59) 2-Hexanone	10.98	43	73	9.097	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	70559	68.778	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	70559	140.462	ug/l #	15

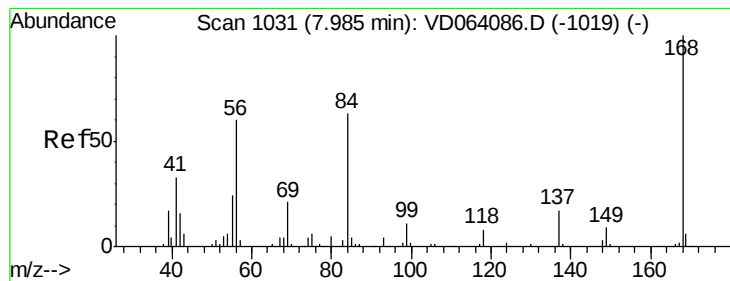
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 31 04:04:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 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: VD064116.D

Acq: 30 Oct 2019 17:00

Instrument :

MSVOA_D

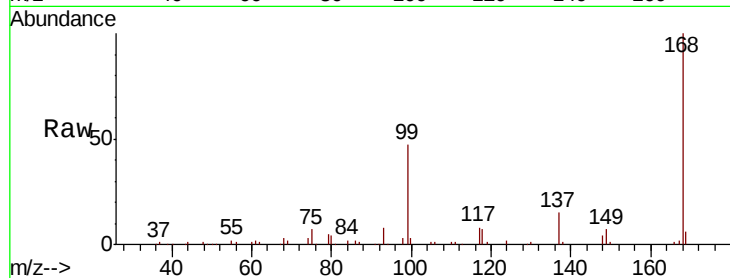
ClientSampleId :

Tot Ion:168 Resp: 200018

Ion Ratio Lower Upper

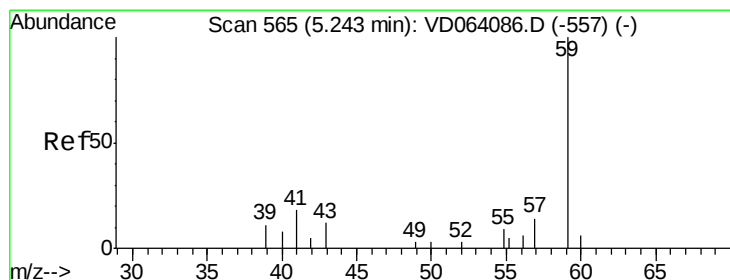
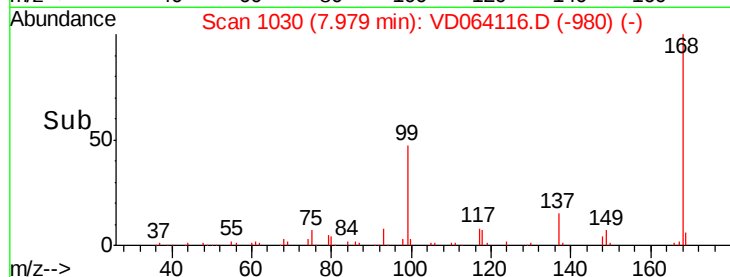
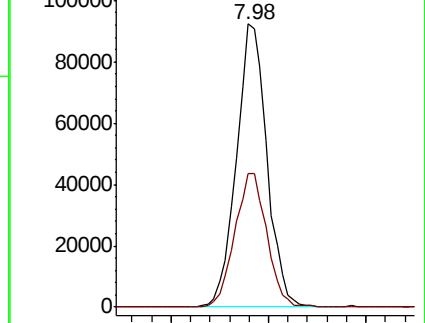
168 100

99 47.4 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: 6.766 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD064116.D

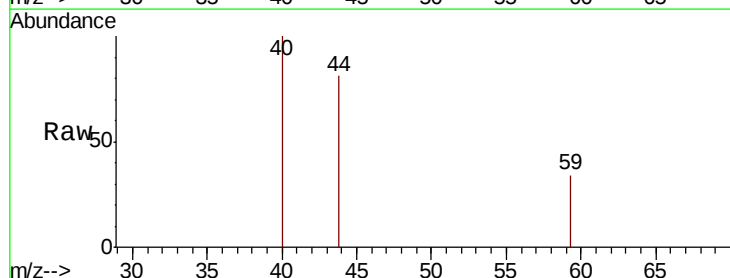
Acq: 30 Oct 2019 17:00

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

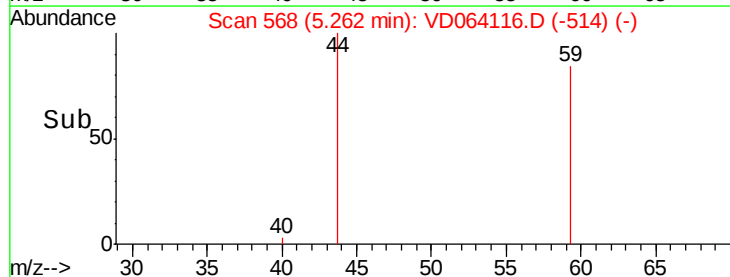
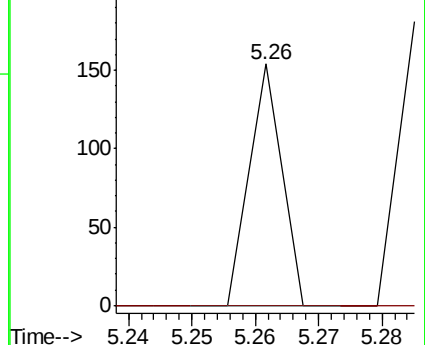
59 100

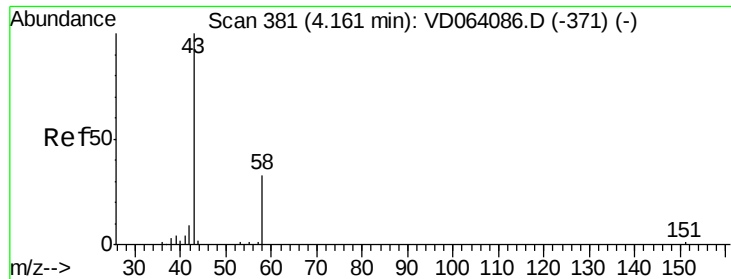
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 36.108 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064116.D

Acq: 30 Oct 2019 17:00

Instrument :

MSVOA_D

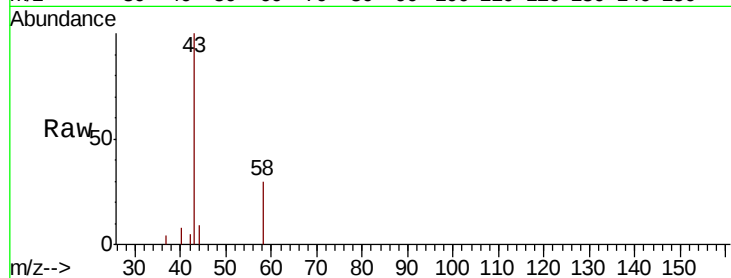
ClientSampled :

Tot Ion: 43 Resp: 10929

Ion Ratio Lower Upper

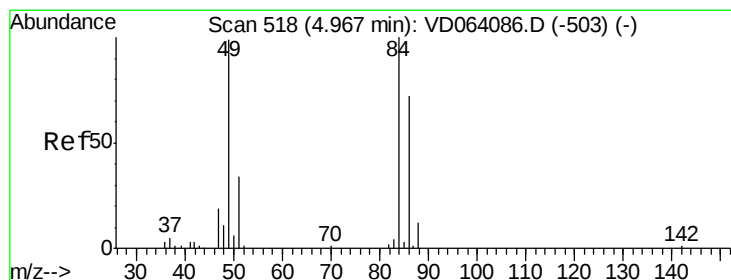
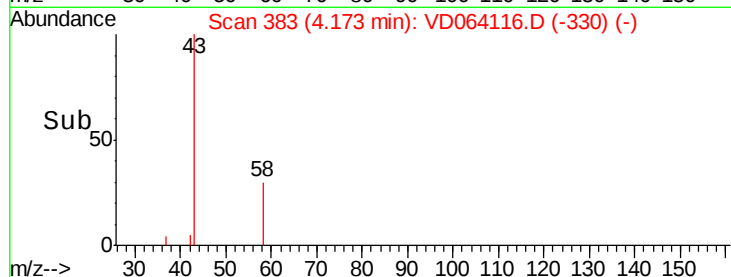
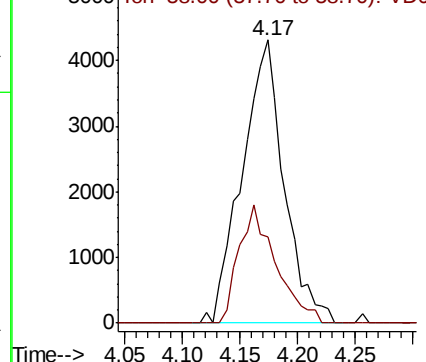
43 100

58 30.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064116.D

Acq: 30 Oct 2019 17:00

Tgt Ion: 84 Resp: 3305

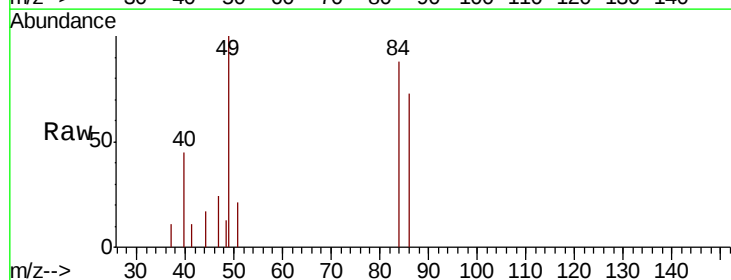
Ion Ratio Lower Upper

84 100

49 113.8 79.4 119.0

51 23.8 27.4 41.2#

86 83.1 57.4 86.0

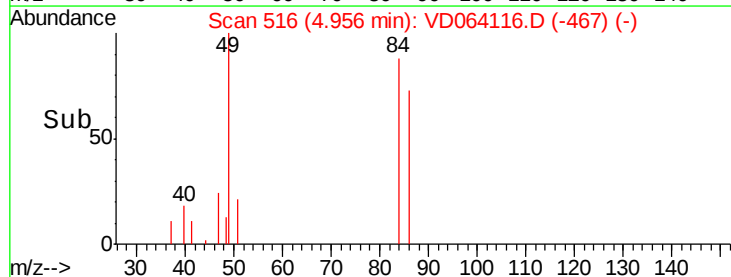
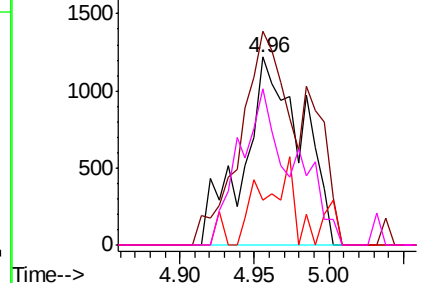


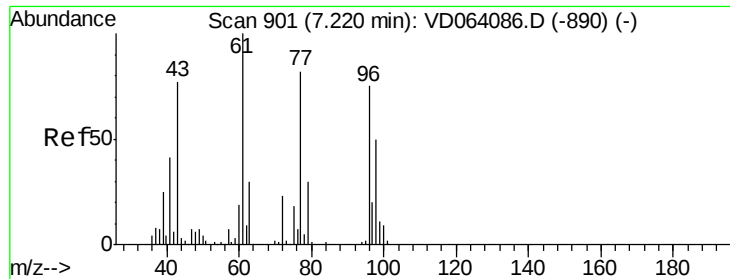
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 9.603 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064116.D

Acq: 30 Oct 2019 17:00

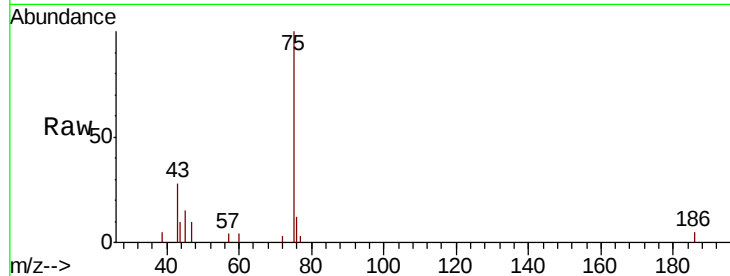
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 4018

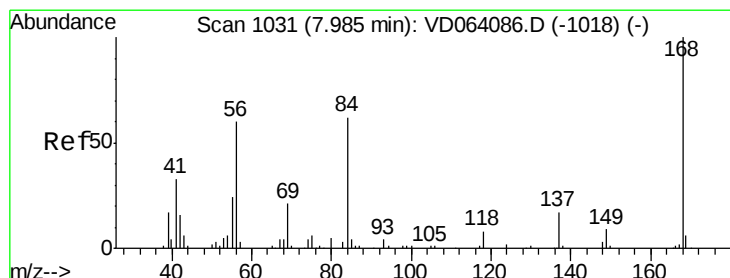
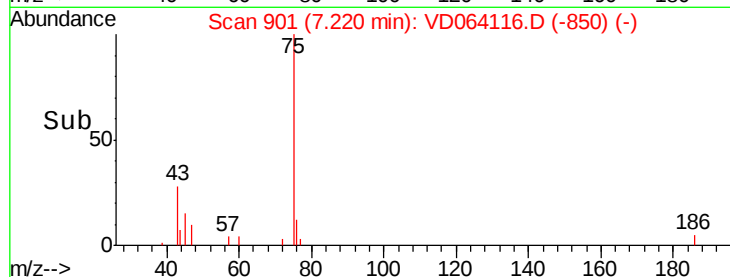
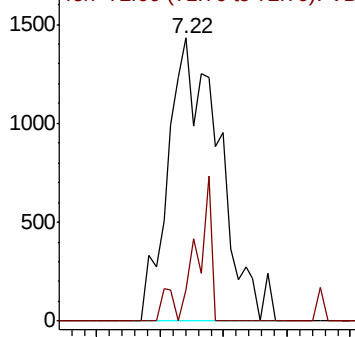
Ion Ratio Lower Upper

43 100

72 11.1 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064116.D

Acq: 30 Oct 2019 17:00

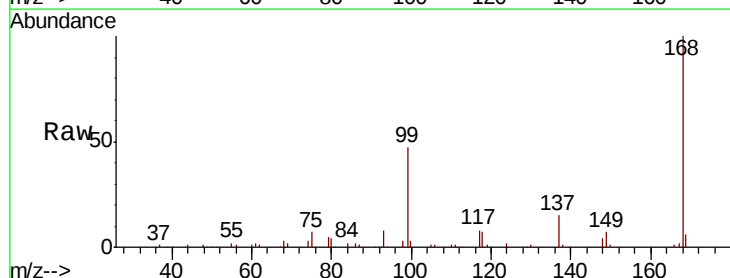
Tgt Ion: 56 Resp: 3535

Ion Ratio Lower Upper

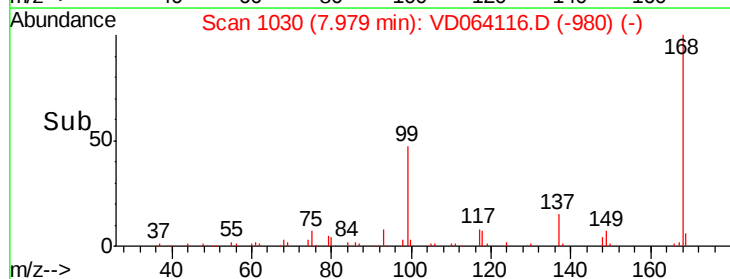
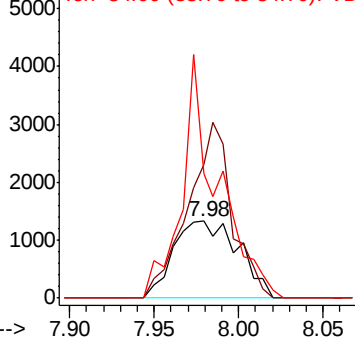
56 100

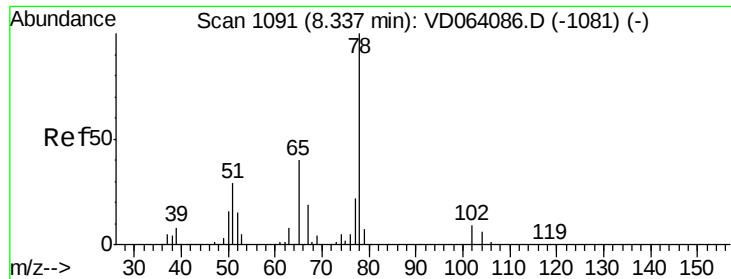
69 173.5 27.7 41.5#

84 162.6 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: 60.887 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064116.D

Acq: 30 Oct 2019 17:00

Instrument :

MSVOA_D

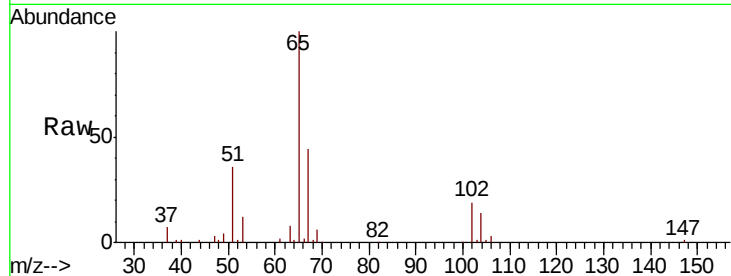
ClientSampled :

Tot Ion: 65 Resp: 96857

Ion Ratio Lower Upper

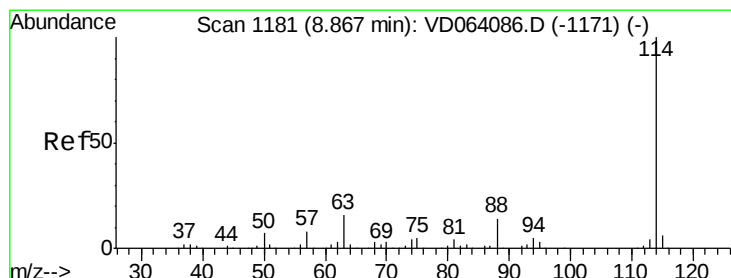
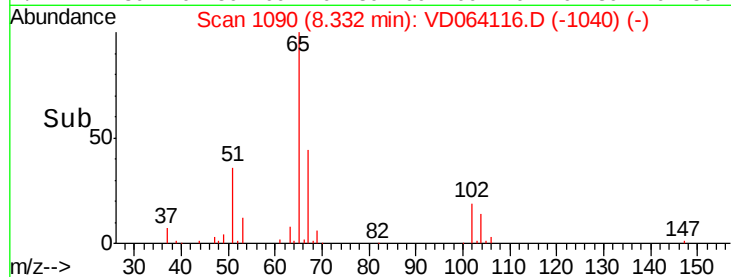
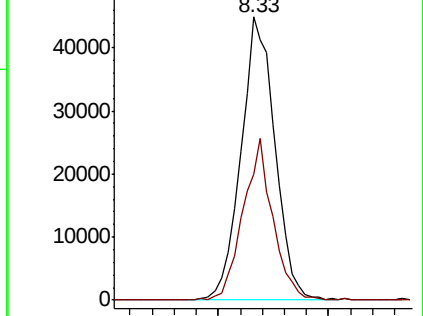
65 100

67 50.0 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: VD064116.D

Acq: 30 Oct 2019 17:00

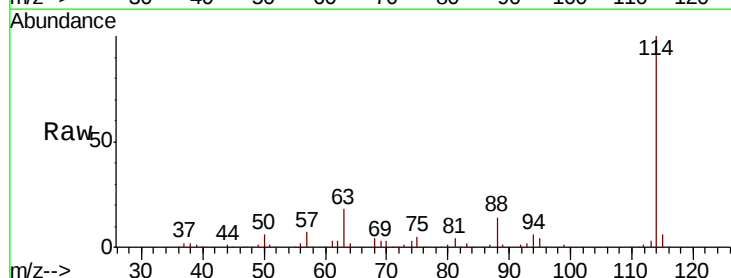
Tgt Ion: 114 Resp: 341735

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.8

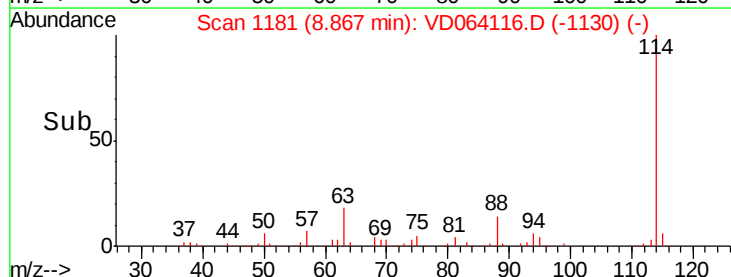
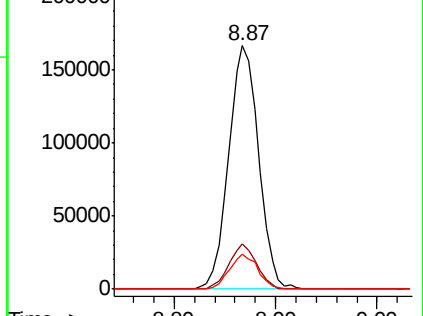
88 14.4 0.0 27.6

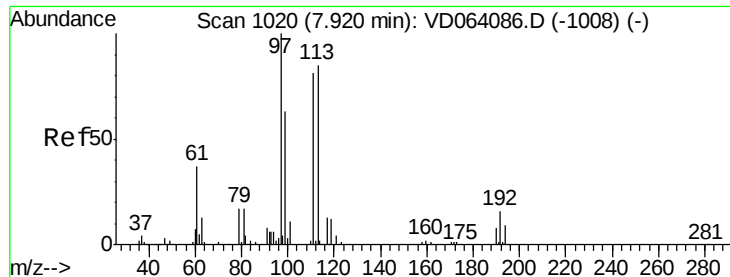


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

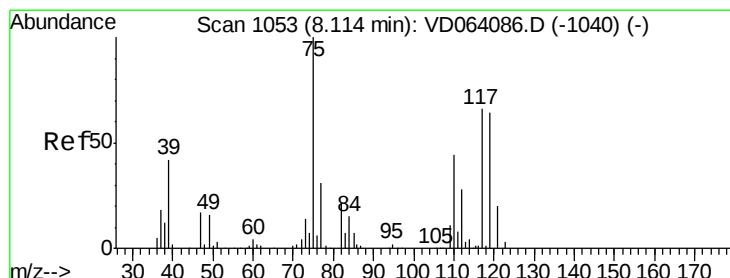
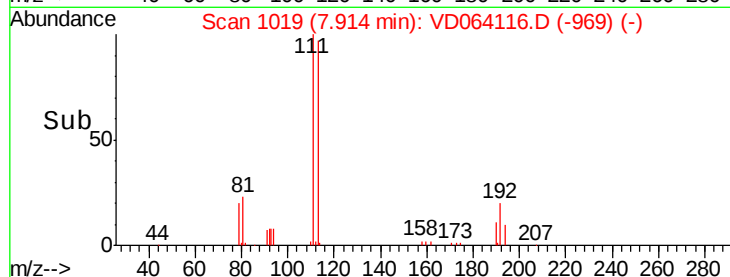
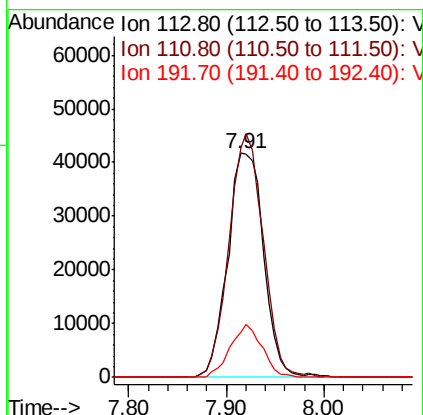
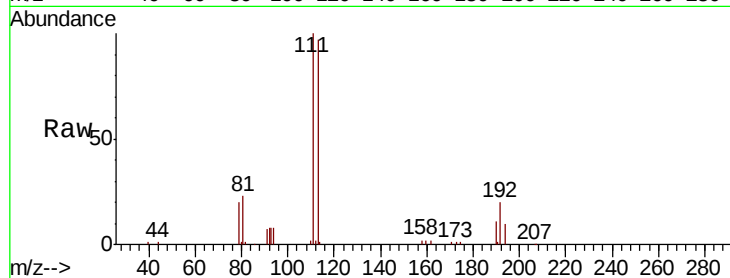




#35
 Dibromofluoromethane
 Concen: 50.754 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064116.D
 Acq: 30 Oct 2019 17:00

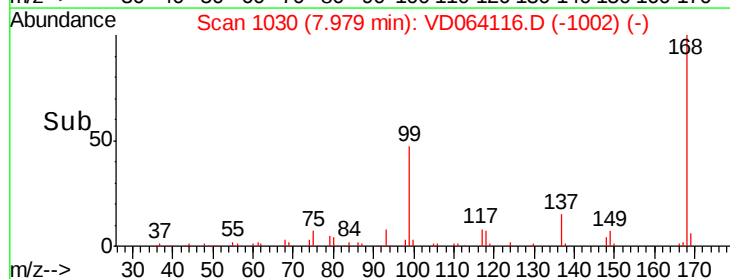
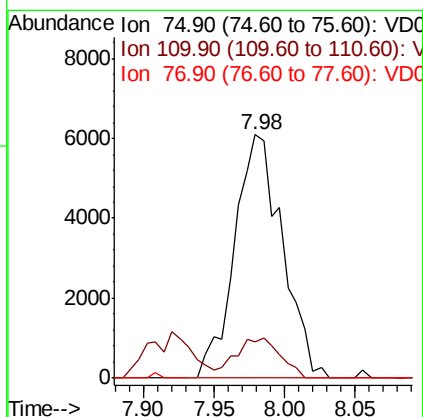
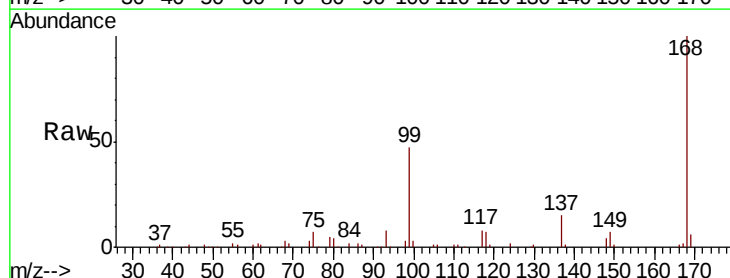
Instrument :
 MSVOA_D
 ClientSampleId :

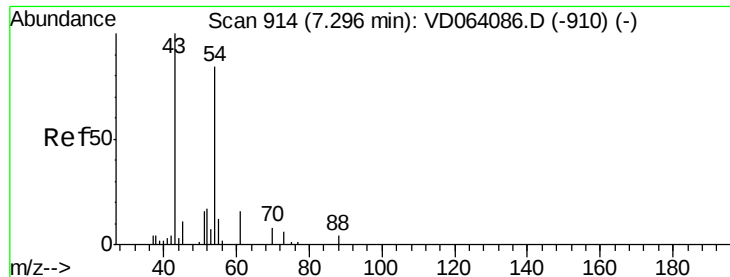
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	79.3	118.9
192	20.8	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.496 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064116.D
 Acq: 30 Oct 2019 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	15.3	20.0	59.9#
77	0.0	24.7	37.1#

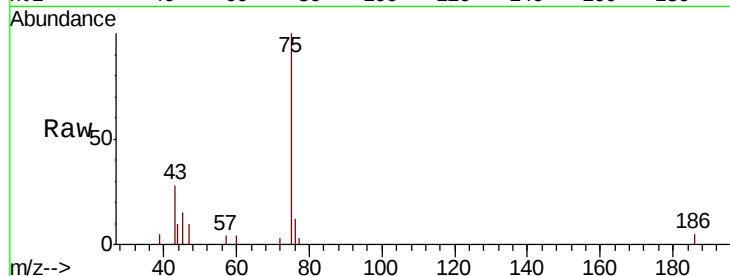




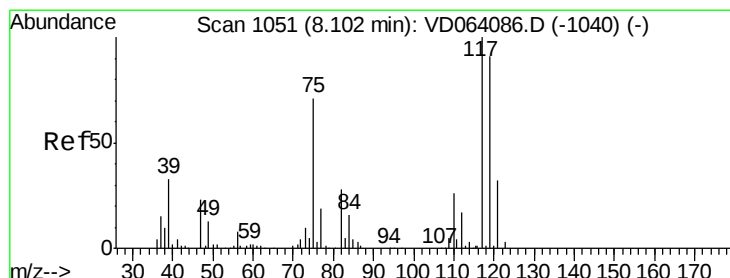
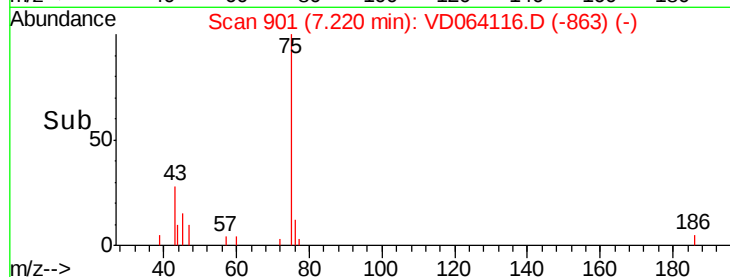
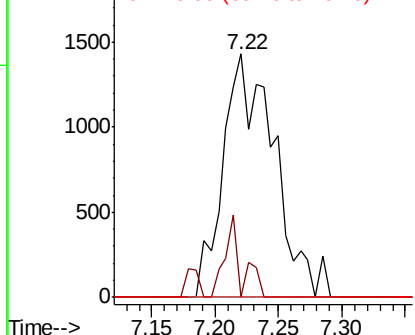
#37
Ethyl Acetate
Concen: 4.077 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD064116.D
Acq: 30 Oct 2019 17:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4018
Ion Ratio Lower Upper
43 100
61 11.1 12.0 18.0#
70 0.0 3.8 5.6#

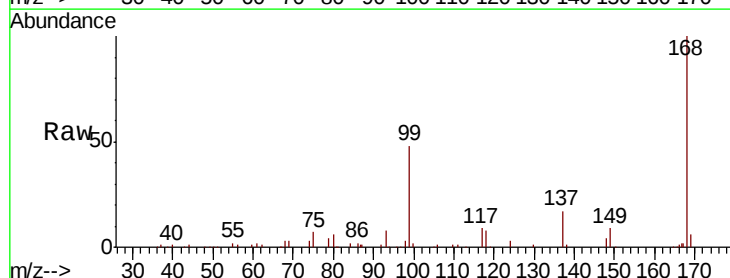


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

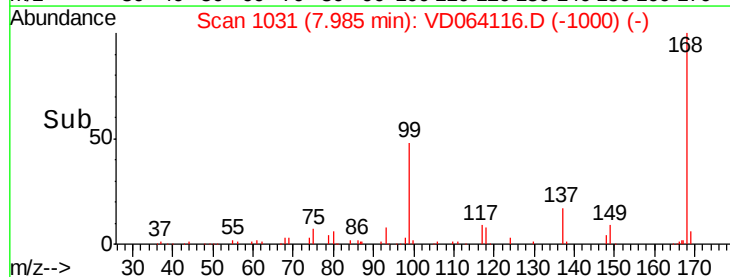
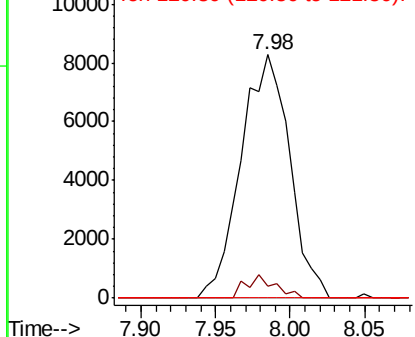


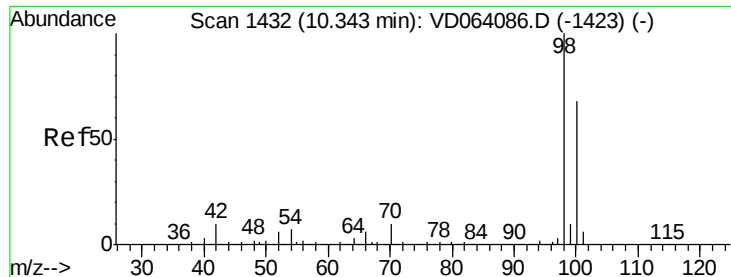
#38
Carbon Tetrachloride
Concen: 5.352 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD064116.D
Acq: 30 Oct 2019 17:00

Tgt Ion: 117 Resp: 18699
Ion Ratio Lower Upper
117 100
119 4.9 72.6 108.8#
121 0.0 25.8 38.6#



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

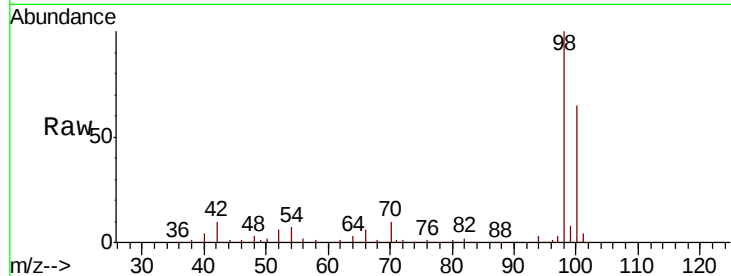




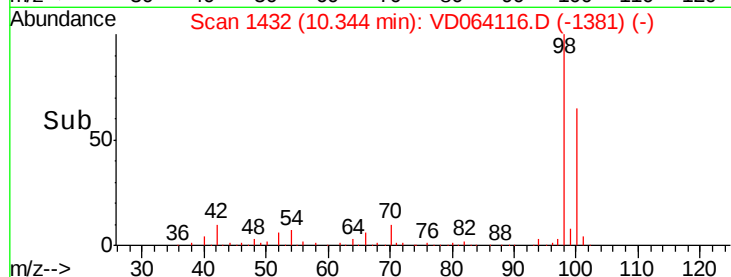
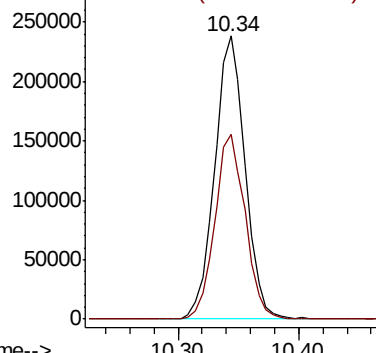
#50
Toluene-d8
Concen: 49.811 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064116.D
Acq: 30 Oct 2019 17:00

Instrument :
MSVOA_D
ClientSampled :

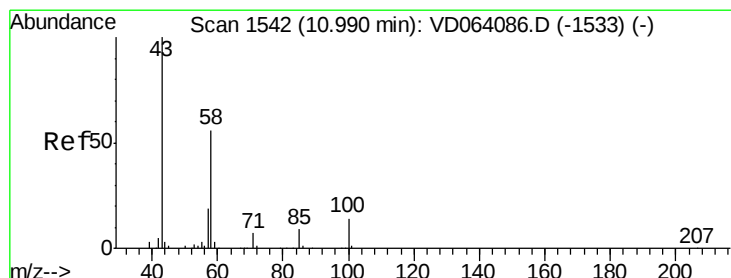
Tot Ion: 98 Resp: 418814
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0



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

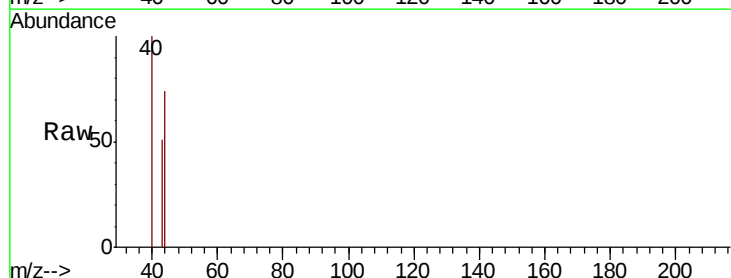


Time-->

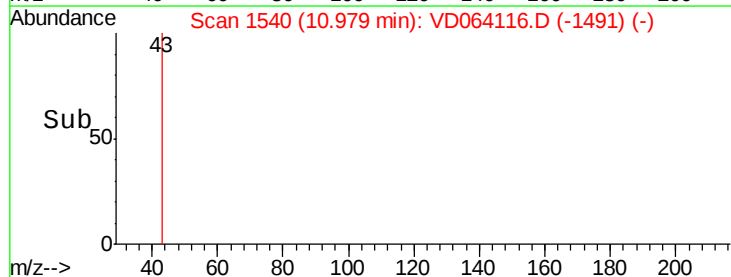
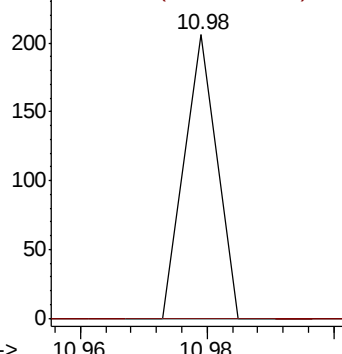


#59
2-Hexanone
Concen: 9.097 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD064116.D
Acq: 30 Oct 2019 17:00

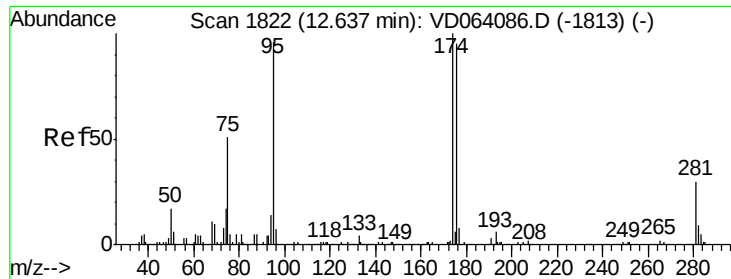
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#



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



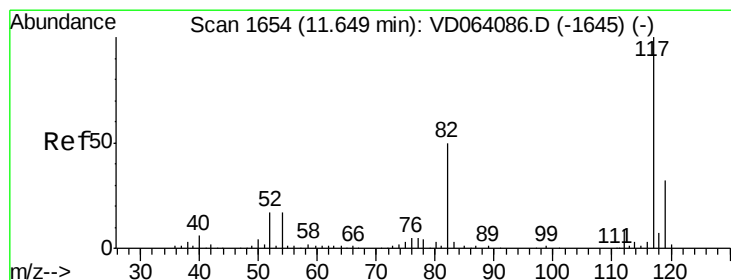
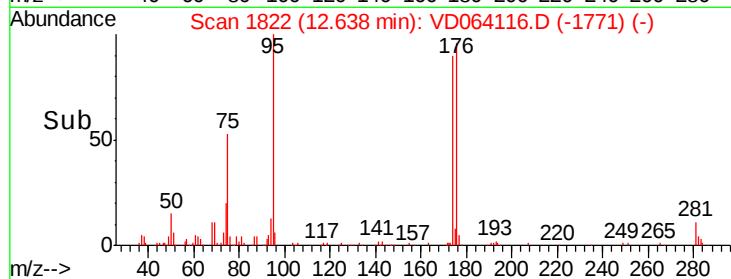
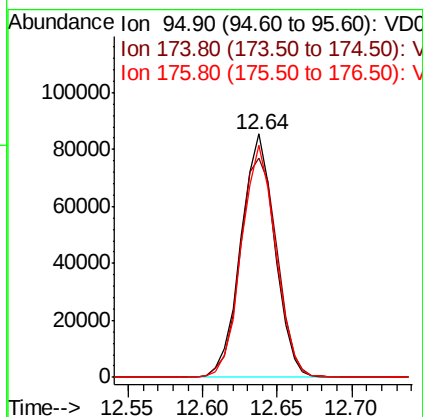
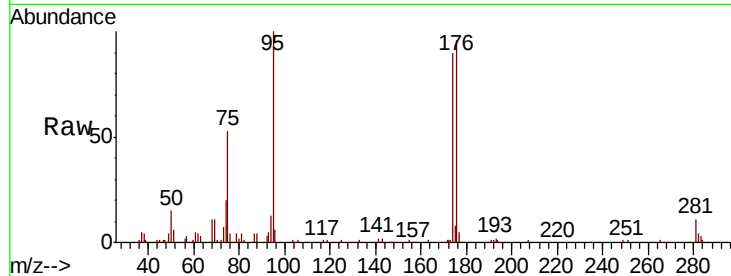
Time-->



#62
4-Bromofluorobenzene
Concen: 48.200 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064116.D
Acq: 30 Oct 2019 17:00

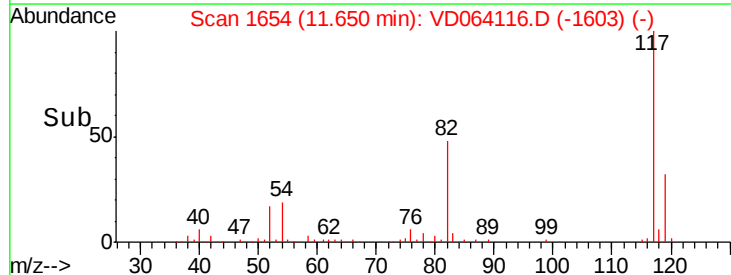
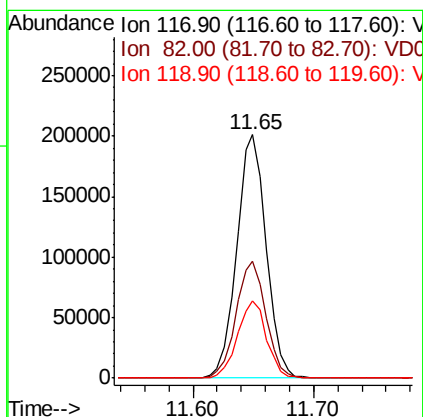
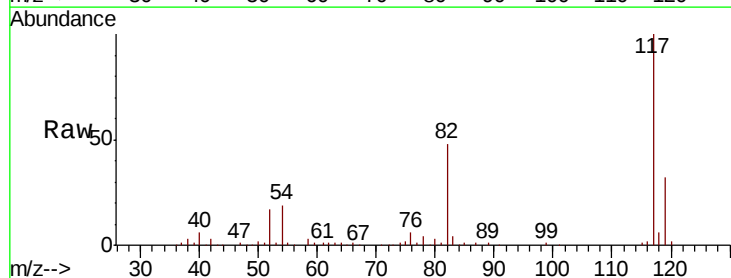
Instrument :
MSVOA_D
ClientSampled :

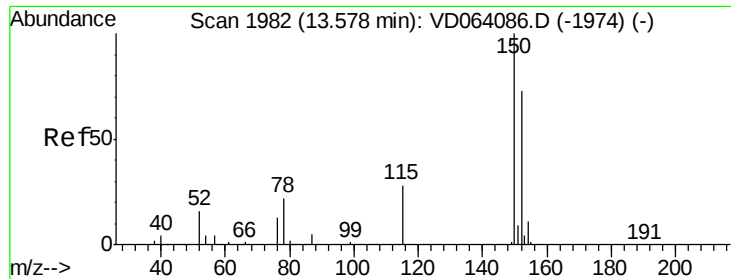
Tot Ion: 95 Resp: 134360
Ion Ratio Lower Upper
95 100
174 98.6 0.0 201.6
176 96.5 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064116.D
Acq: 30 Oct 2019 17:00

Tgt Ion: 117 Resp: 340966
Ion Ratio Lower Upper
117 100
82 48.1 40.2 60.4
119 31.7 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064116.D

Acq: 30 Oct 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

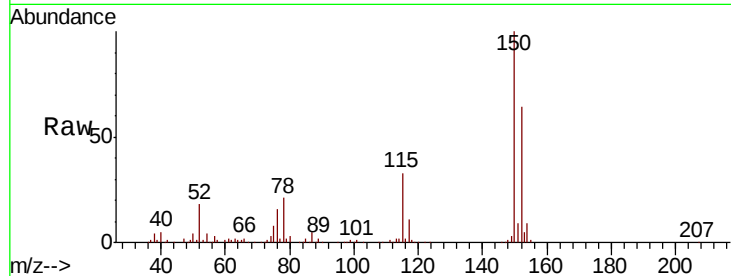
Tot Ion:152 Resp: 152676

Ion Ratio Lower Upper

152 100

115 54.3 26.2 78.6

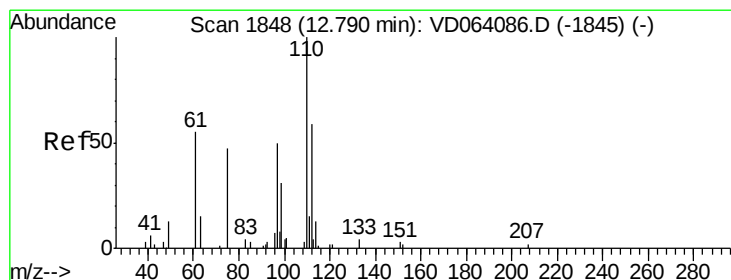
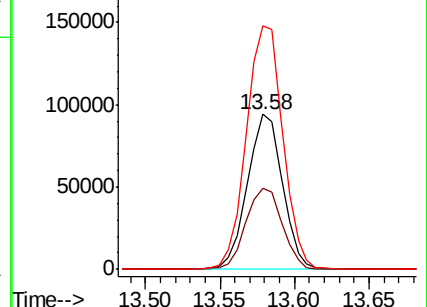
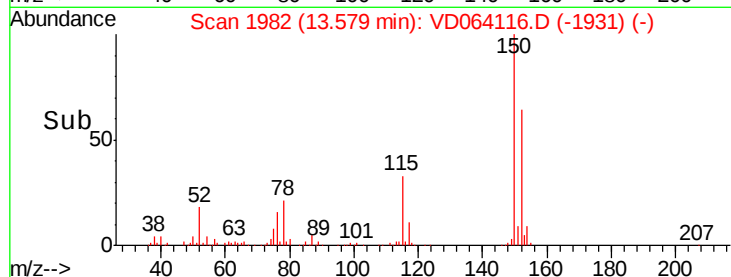
150 163.1 0.0 338.8



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: 68.778 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064116.D

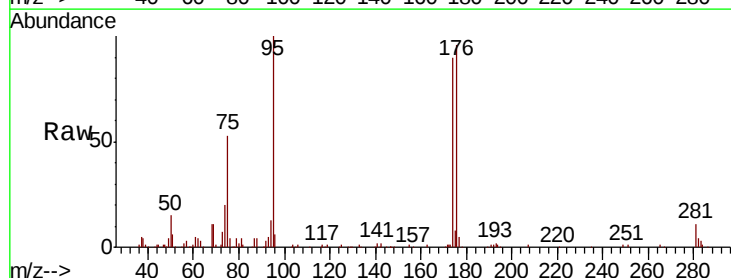
Acq: 30 Oct 2019 17:00

Tgt Ion: 75 Resp: 70559

Ion Ratio Lower Upper

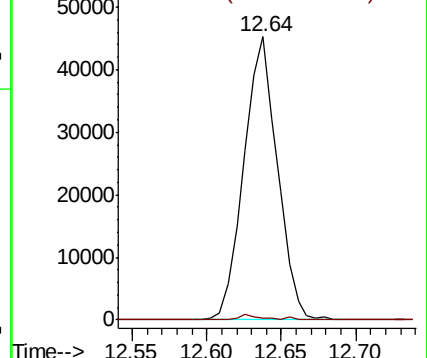
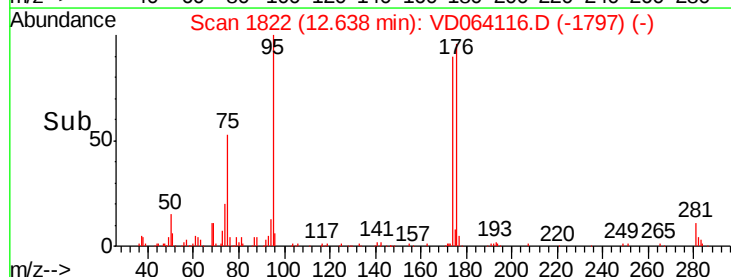
75 100

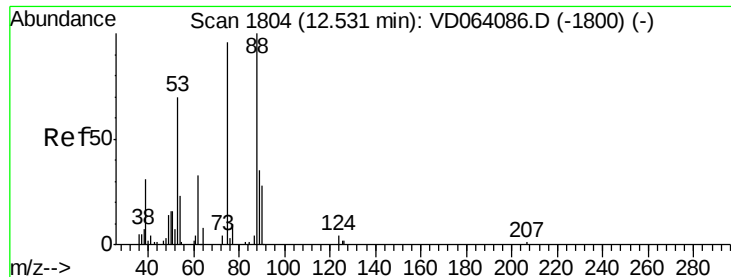
77 1.0 0.0 0.0#



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: 140.462 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064116.D

Acq: 30 Oct 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

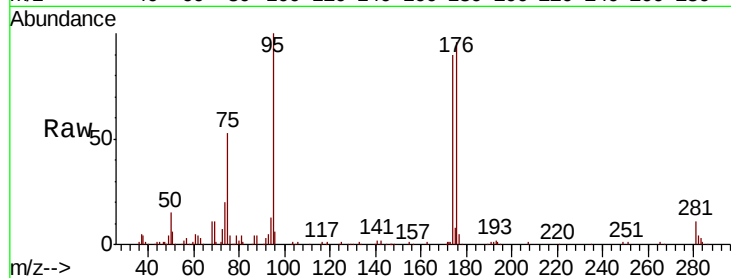
Tot Ion: 75 Resp: 70559

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.2 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

