

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064143.D
 Acq On : 31 Oct 2019 21:06
 Operator : VA/SY
 Sample : K5628-01
 Misc : 6.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:06:59 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	16327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	25763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	26996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	14046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.35	65	8246	63.50	ug/l	0.01
Spiked Amount	50.000		Recovery	=	127.00%	
35) Dibromofluoromethane	7.92	113	9293	58.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.26%	
50) Toluene-d8	10.34	98	28921	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
62) 4-Bromofluorobenzene	12.64	95	11092	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

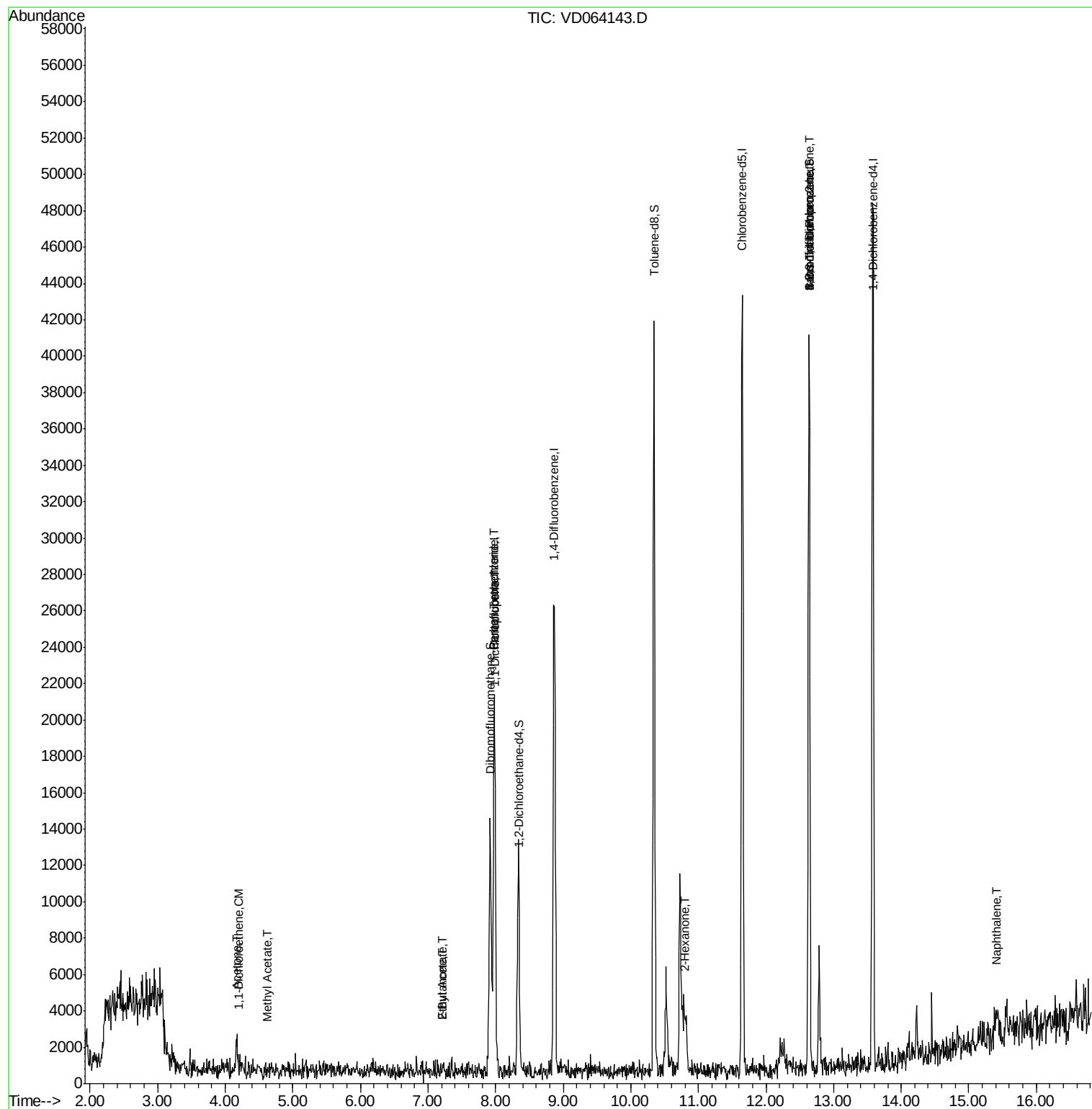
					Qvalue	
12) 1,1-Dichloroethene	4.19	96	160	1.130	ug/l #	1
16) Acetone	4.17	43	2755	111.510	ug/l #	87
18) Methyl Acetate	4.63	43	73	1.111	ug/l #	47
25) 2-Butanone	7.21	43	140	4.099	ug/l #	45
36) 1,1-Dichloropropene	7.99	75	993	4.113	ug/l #	39
37) Ethyl Acetate	7.21	43	140	1.884	ug/l #	69
38) Carbon Tetrachloride	7.97	117	1371	5.205	ug/l #	14
59) 2-Hexanone	10.80	43	70	10.067	ug/l #	22
71) Bromoform	12.63	173	178	1.597	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	6297	66.719	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	6297	136.257	ug/l #	15
95) Naphthalene	15.41	128	1882	3.950	ug/l #	90

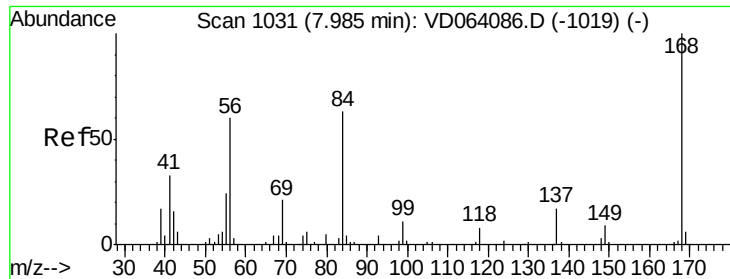
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Nov 01 06:06:59 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: VD064143.D

Acq: 31 Oct 2019 21:06

Instrument :

MSVOA_D

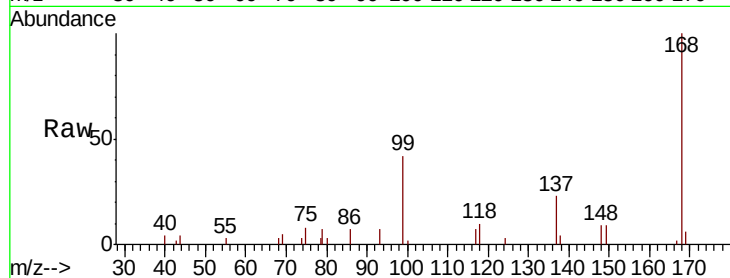
ClientSampleId :

Tot Ion:168 Resp: 16327

Ion Ratio Lower Upper

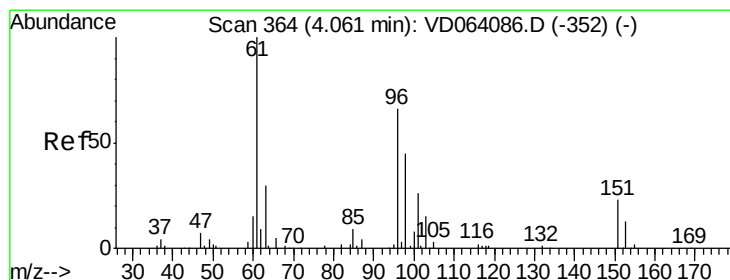
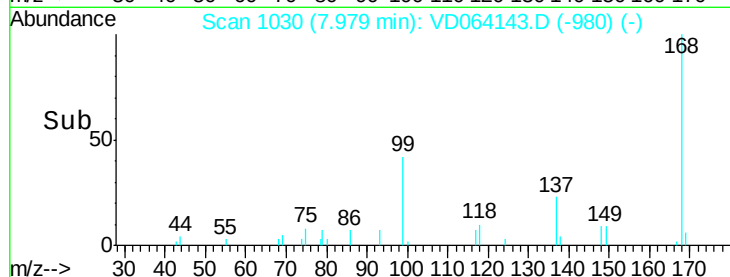
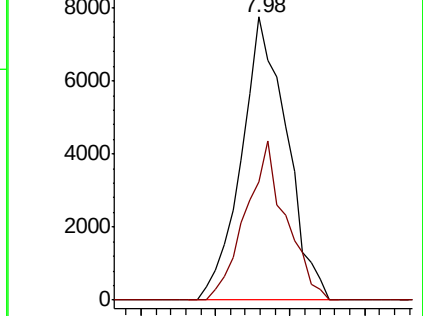
168 100

99 41.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#12

1,1-Dichloroethene

Concen: 1.130 ug/l

RT: 4.19 min Scan# 385

Delta R.T. 0.12 min

Lab File: VD064143.D

Acq: 31 Oct 2019 21:06

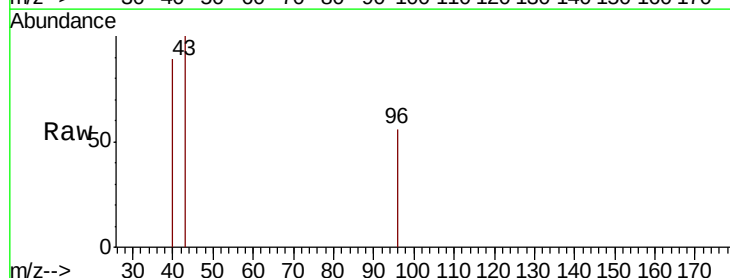
Tgt Ion: 96 Resp: 160

Ion Ratio Lower Upper

96 100

61 0.0 121.8 182.6#

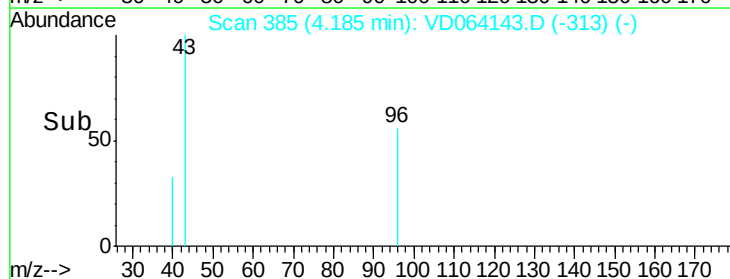
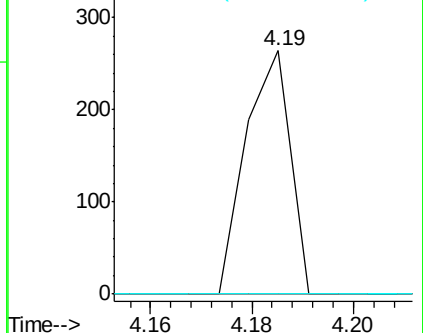
98 0.0 55.4 83.0#

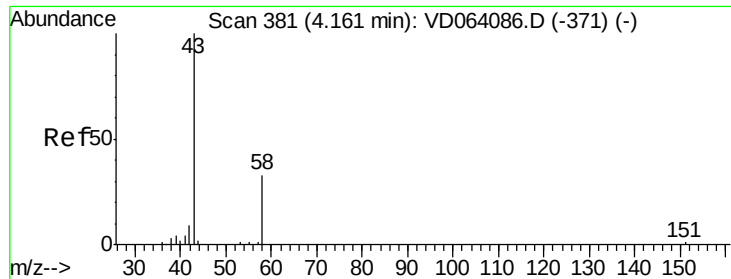


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#16

Acetone

Concen: 111.510 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064143.D

Acq: 31 Oct 2019 21:06

Instrument :

MSVOA_D

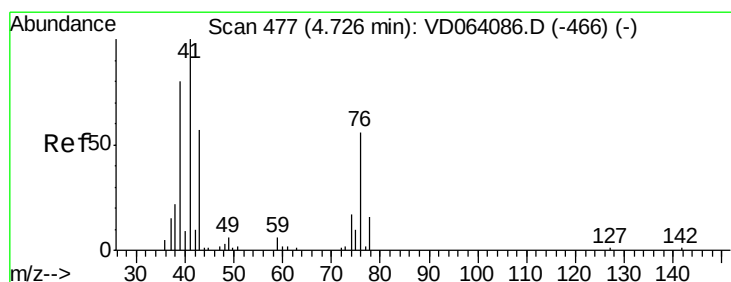
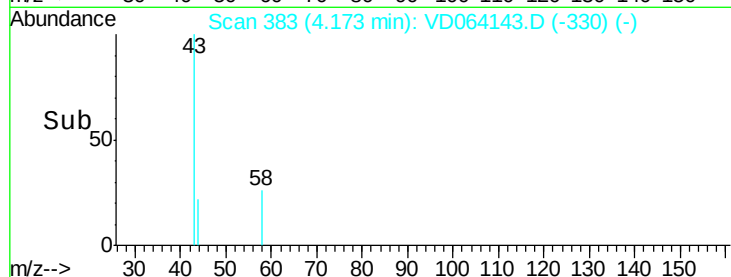
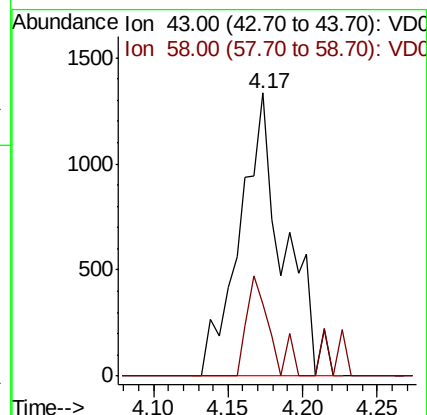
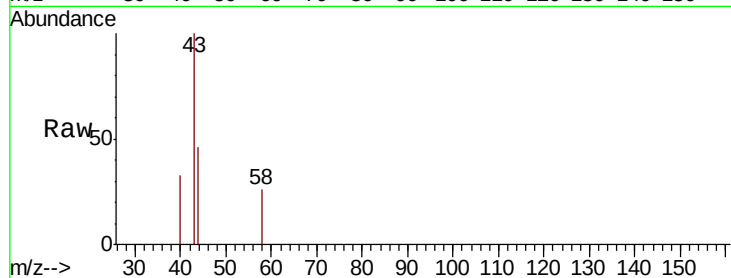
ClientSampled :

Tot Ion: 43 Resp: 2755

Ion Ratio Lower Upper

43 100

58 25.7 26.3 39.5#



#18

Methyl Acetate

Concen: 1.111 ug/l

RT: 4.63 min Scan# 460

Delta R.T. -0.10 min

Lab File: VD064143.D

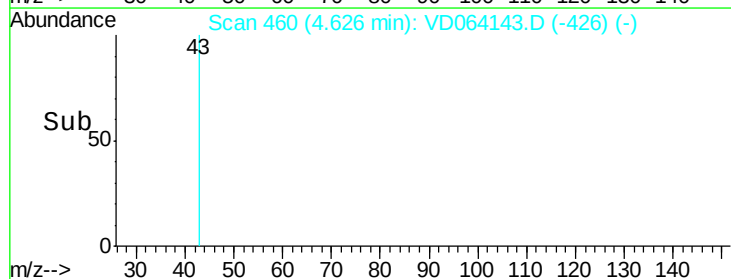
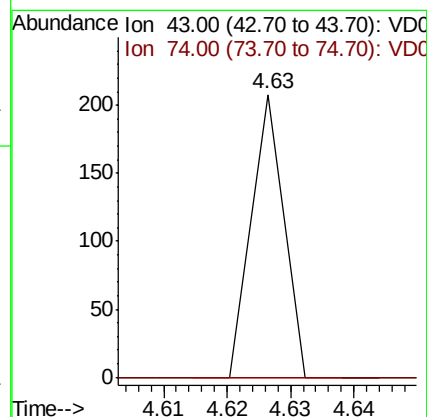
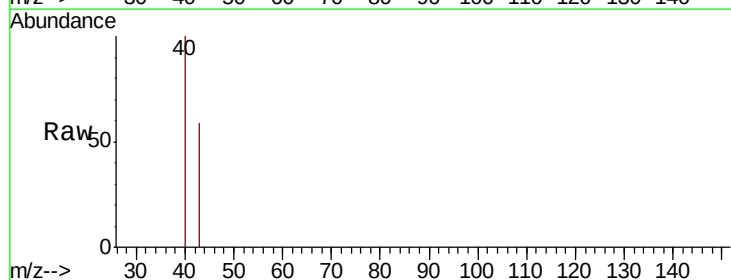
Acq: 31 Oct 2019 21:06

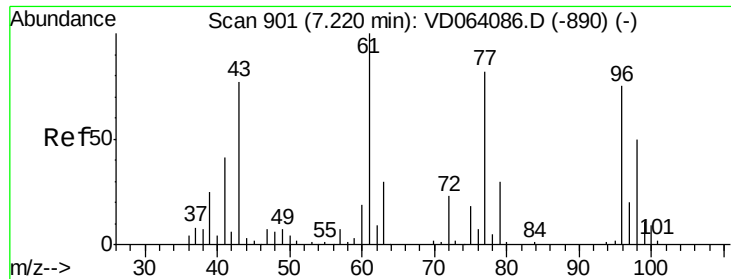
Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#

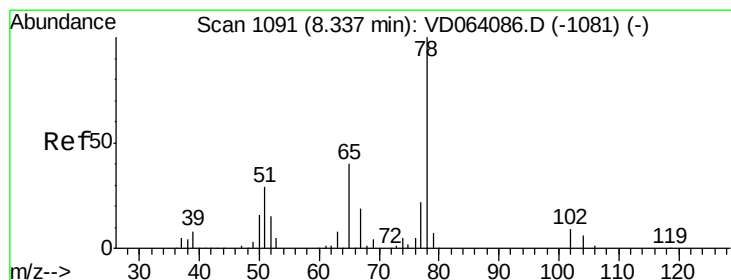
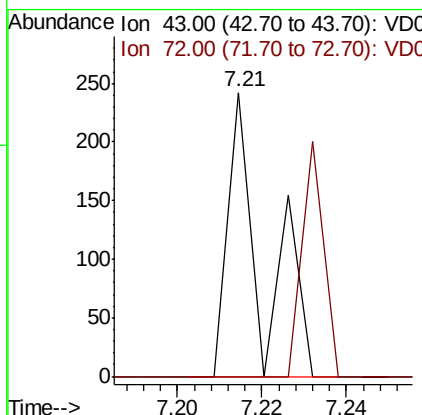
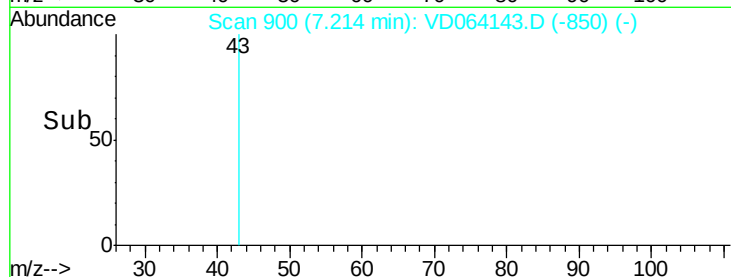
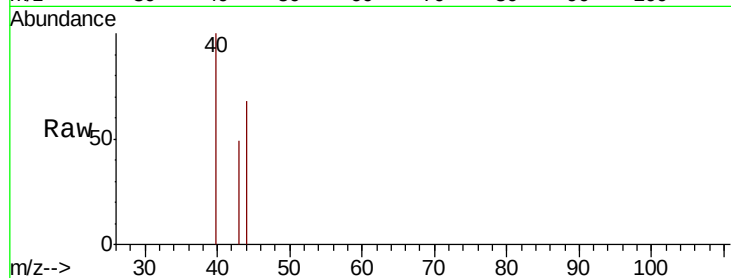




#25
 2-Butanone
 Concen: 4.099 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064143.D
 Acq: 31 Oct 2019 21:06

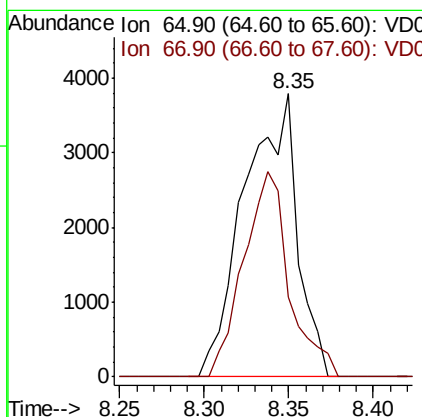
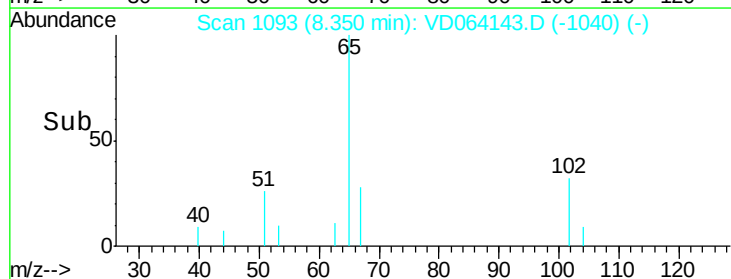
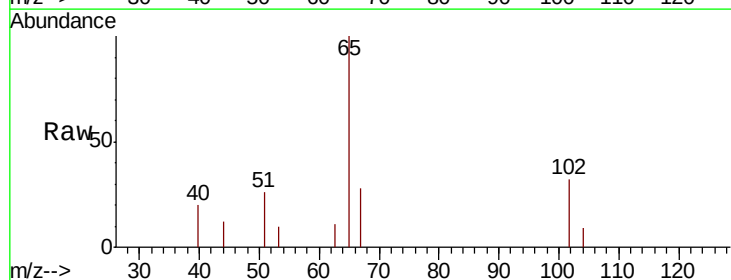
Instrument :
 MSVOA_D
 ClientSampled :

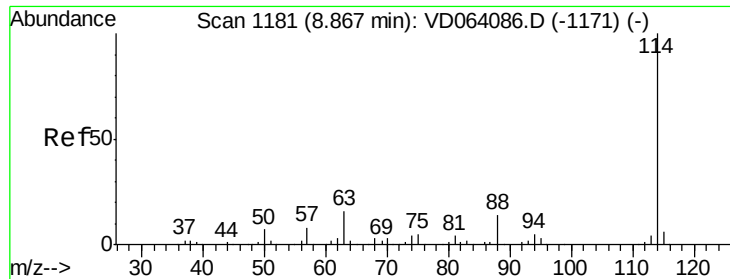
Tot Ion: 43 Resp: 140
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.4 35.0#



#33
 1,2-Dichloroethane-d4
 Concen: 63.504 ug/l
 RT: 8.35 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VD064143.D
 Acq: 31 Oct 2019 21:06

Tgt Ion: 65 Resp: 8246
 Ion Ratio Lower Upper
 65 100
 67 62.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064143.D

Acq: 31 Oct 2019 21:06

Instrument :

MSVOA_D

ClientSampleId :

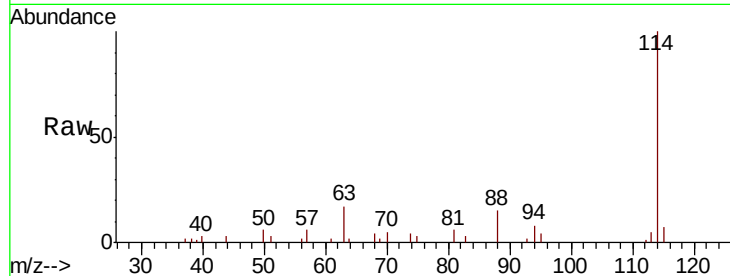
Tot Ion:114 Resp: 25763

Ion Ratio Lower Upper

114 100

63 17.1 0.0 32.8

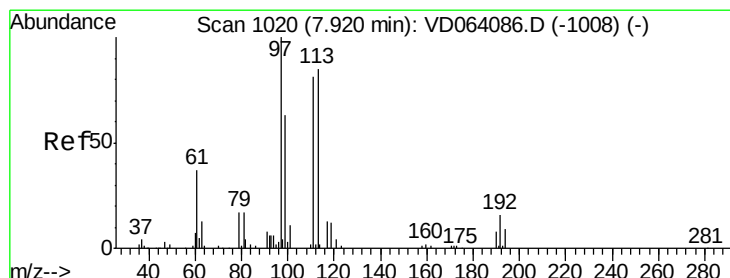
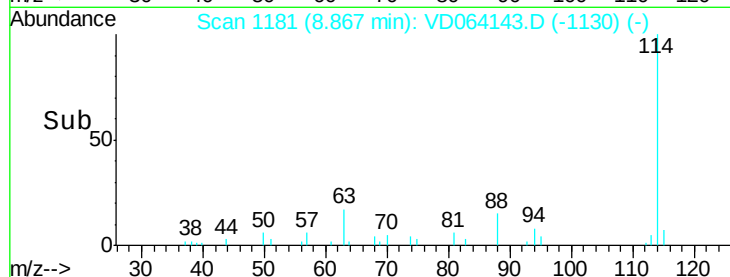
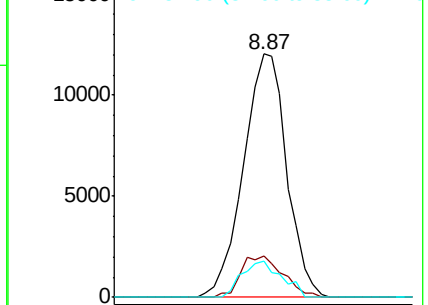
88 14.9 0.0 27.6



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: 58.630 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064143.D

Acq: 31 Oct 2019 21:06

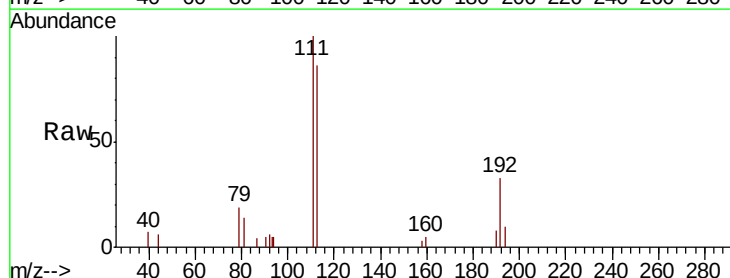
Tgt Ion:113 Resp: 9293

Ion Ratio Lower Upper

113 100

111 99.7 79.3 118.9

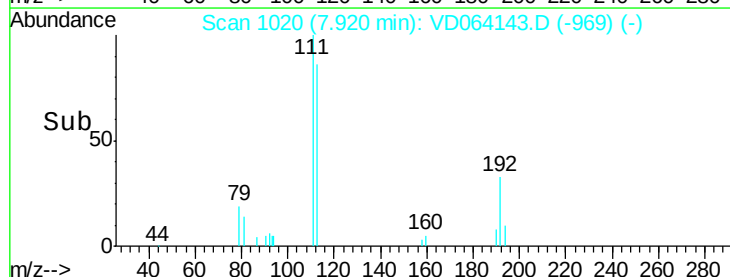
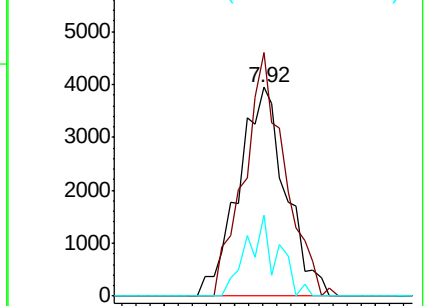
192 25.1 16.2 24.2#

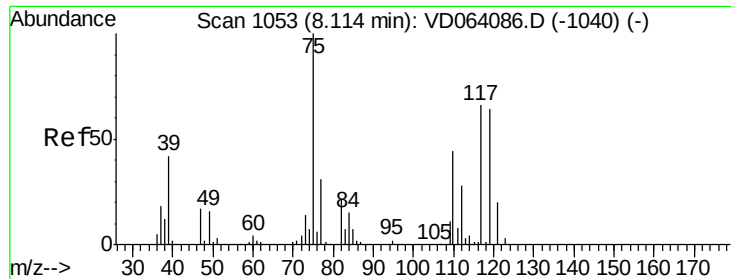


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

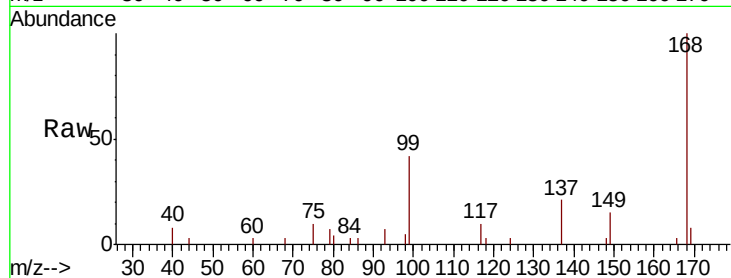




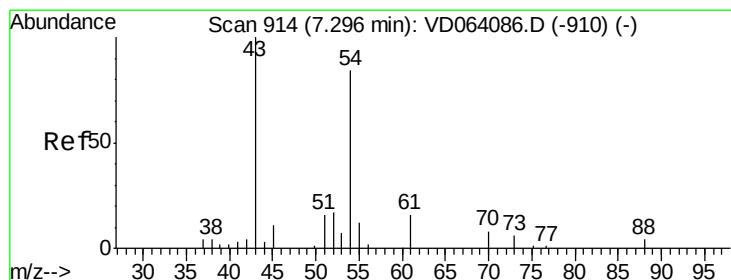
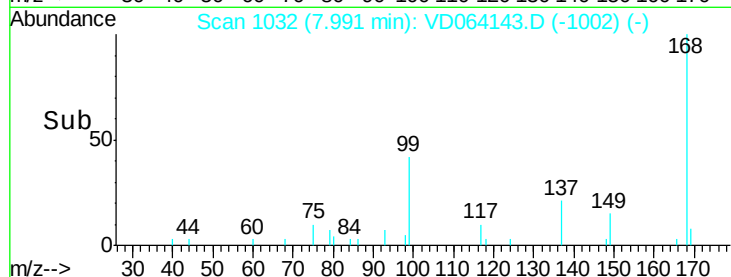
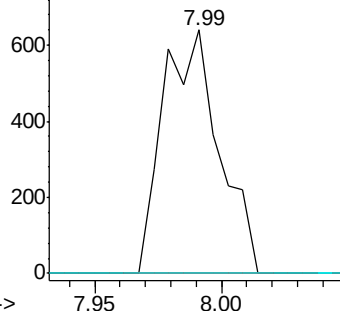
#36
 1,1-Dichloropropene
 Concen: 4.113 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD064143.D
 Acq: 31 Oct 2019 21:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 993
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.0 59.9#
 77 0.0 24.7 37.1#

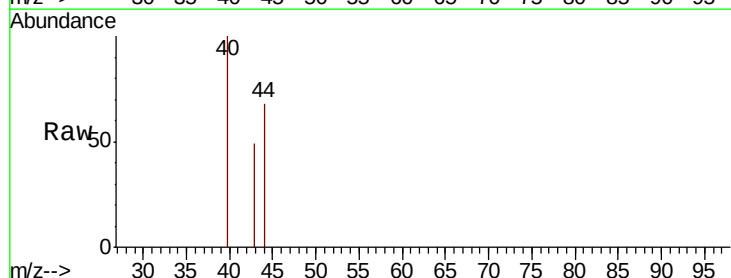


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

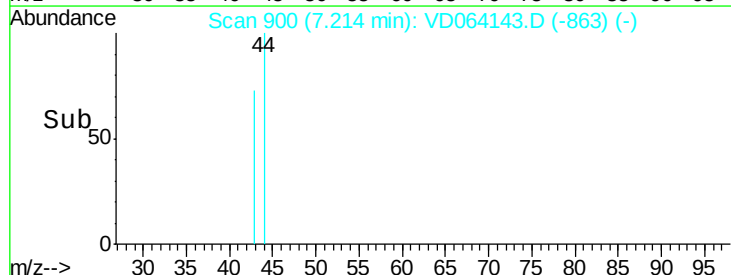
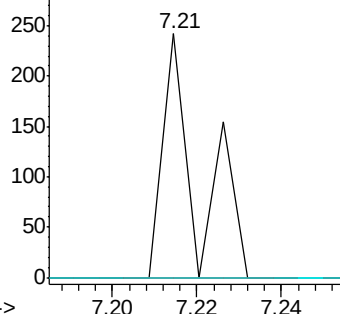


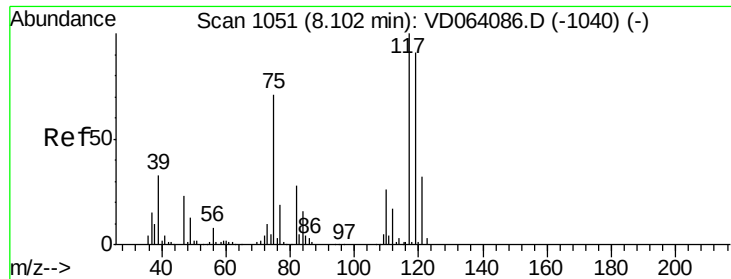
#37
 Ethyl Acetate
 Concen: 1.884 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.08 min
 Lab File: VD064143.D
 Acq: 31 Oct 2019 21:06

Tgt Ion: 43 Resp: 140
 Ion Ratio Lower Upper
 43 100
 61 0.0 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

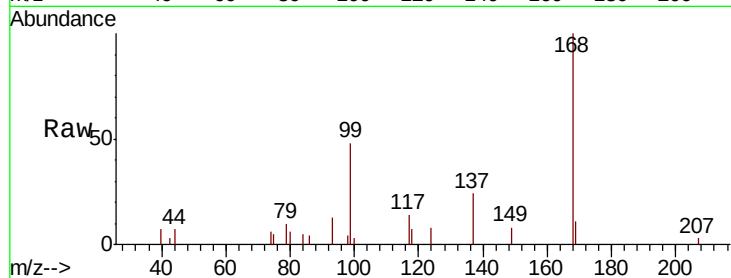




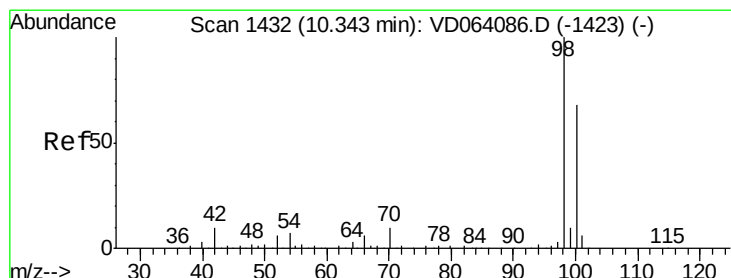
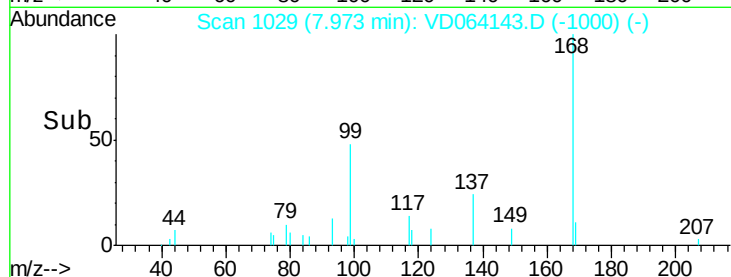
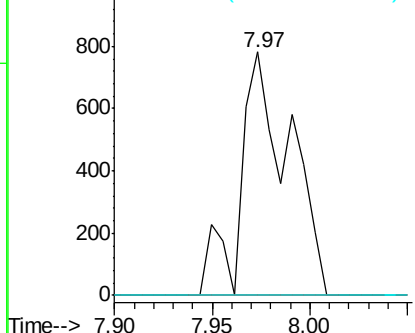
#38
Carbon Tetrachloride
Concen: 5.205 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.13 min
Lab File: VD064143.D
Acq: 31 Oct 2019 21:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1371
Ion Ratio Lower Upper
117 100
119 0.0 72.6 108.8#
121 0.0 25.8 38.6#

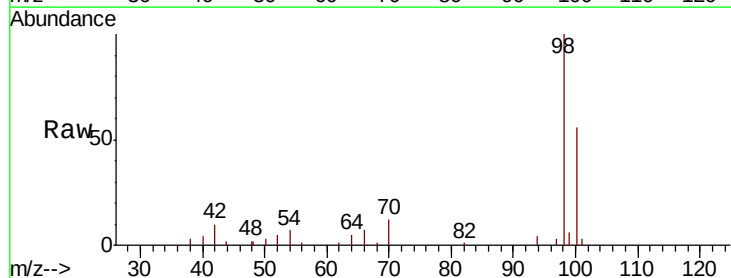


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

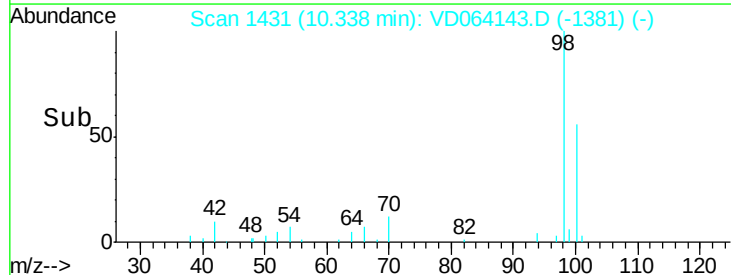
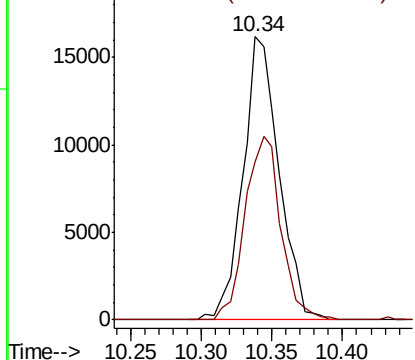


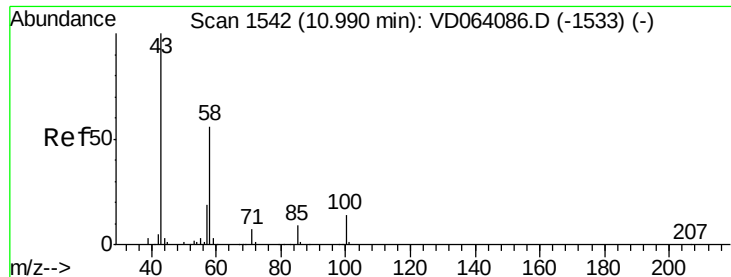
#50
Toluene-d8
Concen: 45.626 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064143.D
Acq: 31 Oct 2019 21:06

Tgt Ion: 98 Resp: 28921
Ion Ratio Lower Upper
98 100
100 64.5 53.4 80.0



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

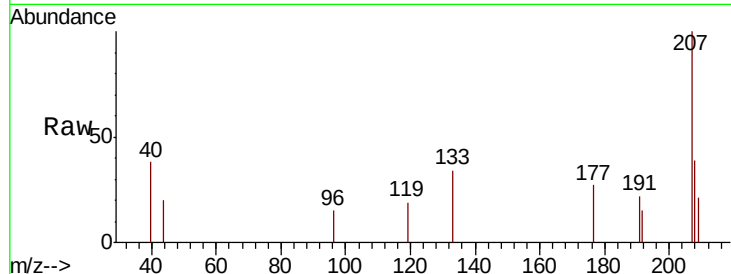




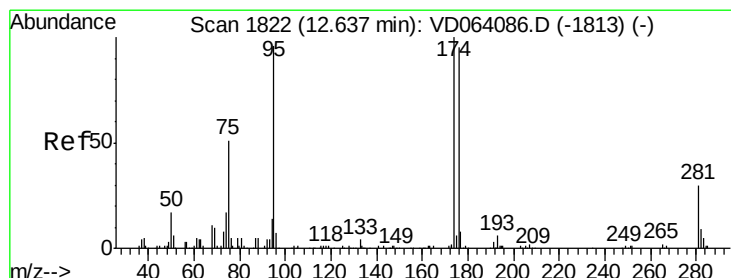
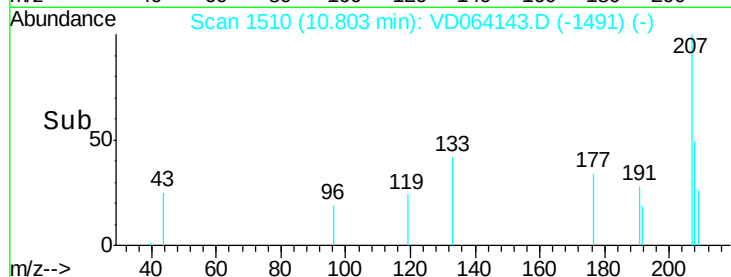
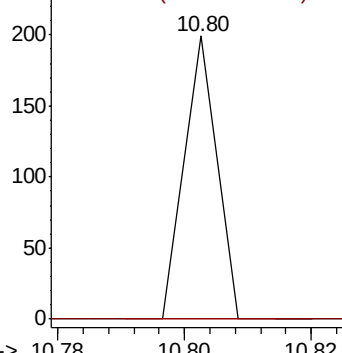
#59
2-Hexanone
Concen: 10.067 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. -0.19 min
Lab File: VD064143.D
Acq: 31 Oct 2019 21:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#

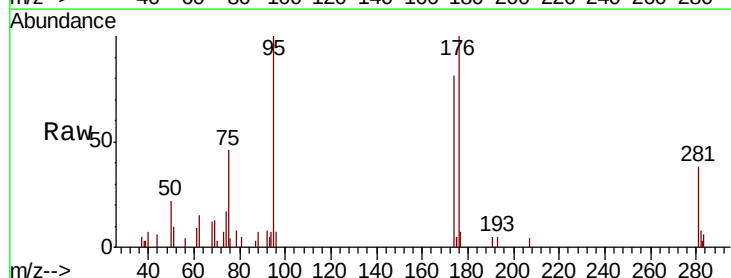


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

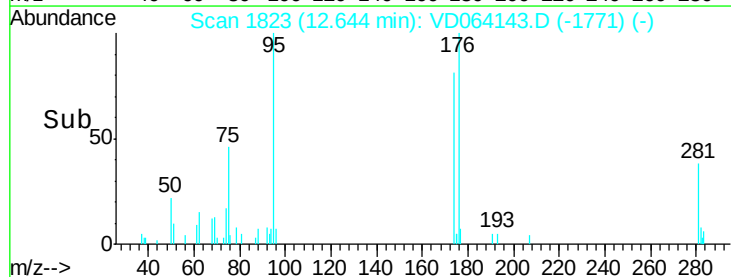
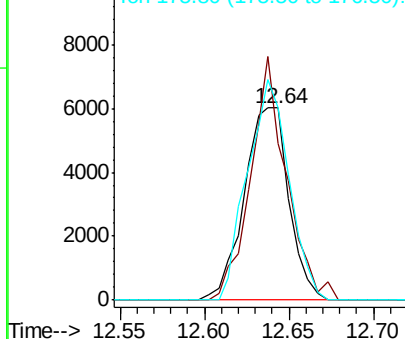


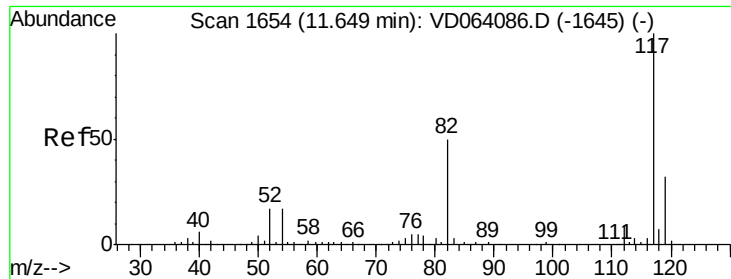
#62
4-Bromofluorobenzene
Concen: 52.782 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD064143.D
Acq: 31 Oct 2019 21:06

Tgt Ion: 95 Resp: 11092
Ion Ratio Lower Upper
95 100
174 101.5 0.0 201.6
176 106.2 0.0 192.6



Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

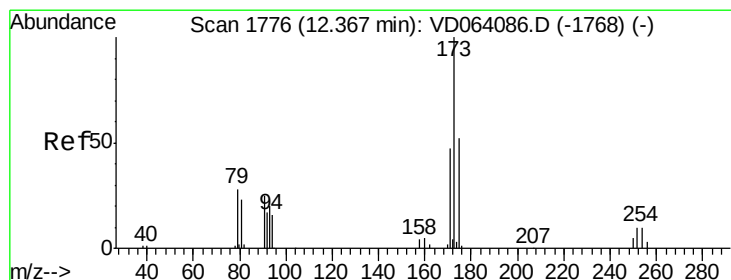
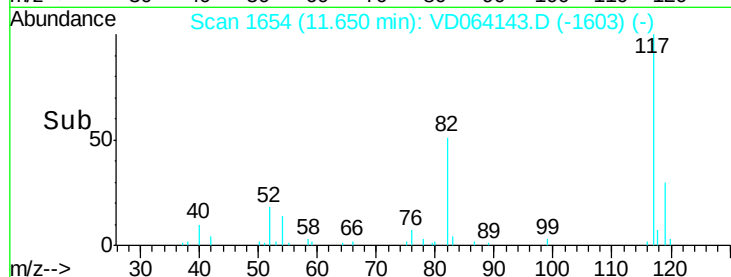
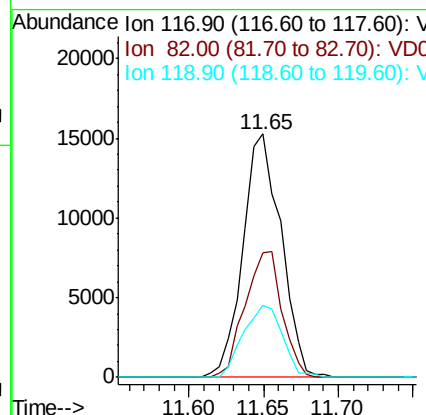
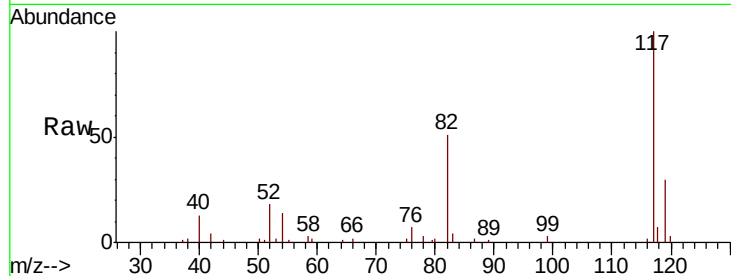




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064143.D
Acq: 31 Oct 2019 21:06

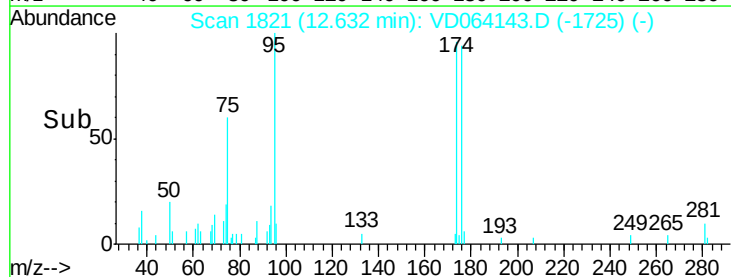
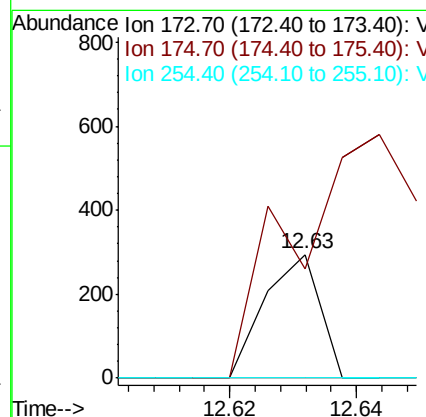
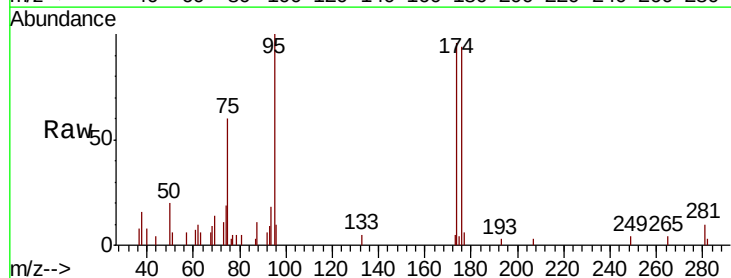
Instrument :
MSVOA_D
ClientSampleId :

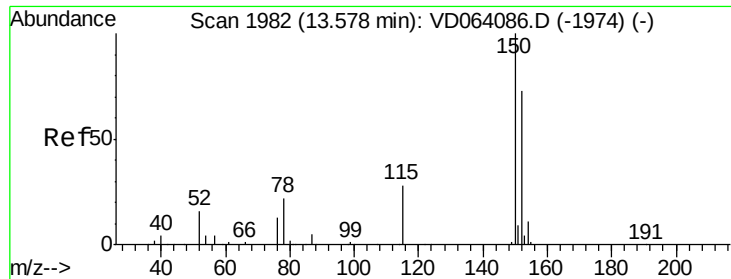
Tot Ion:117 Resp: 26996
Ion Ratio Lower Upper
117 100
82 51.2 40.2 60.4
119 29.8 26.0 39.0



#71
Bromoform
Concen: 1.597 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD064143.D
Acq: 31 Oct 2019 21:06

Tgt Ion:173 Resp: 178
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064143.D

Acq: 31 Oct 2019 21:06

Instrument :

MSVOA_D

ClientSampleId :

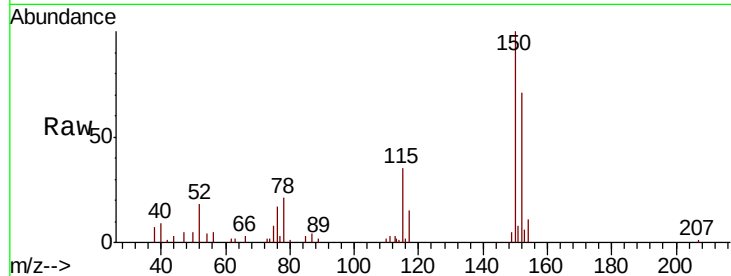
Tot Ion:152 Resp: 14046

Ion Ratio Lower Upper

152 100

115 55.8 26.2 78.6

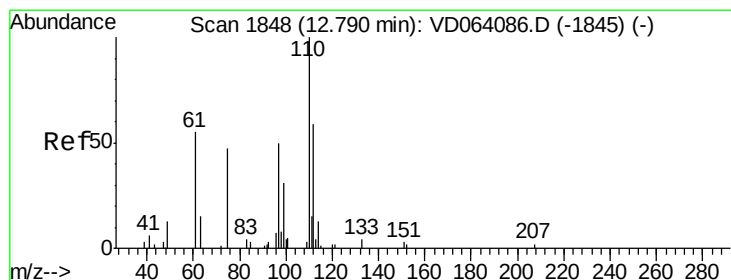
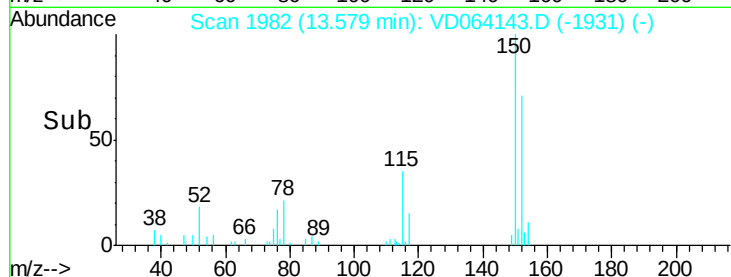
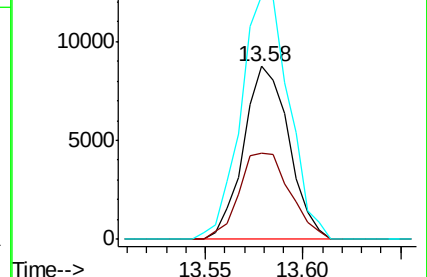
150 151.1 0.0 338.8



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: 66.719 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064143.D

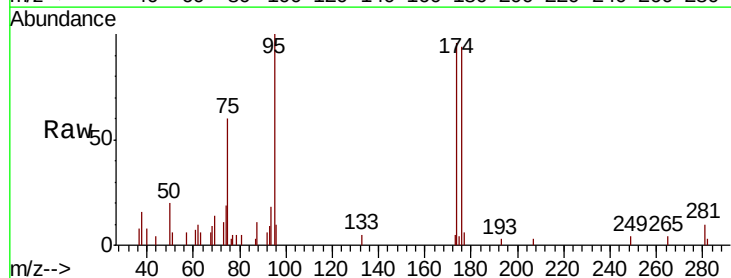
Acq: 31 Oct 2019 21:06

Tgt Ion: 75 Resp: 6297

Ion Ratio Lower Upper

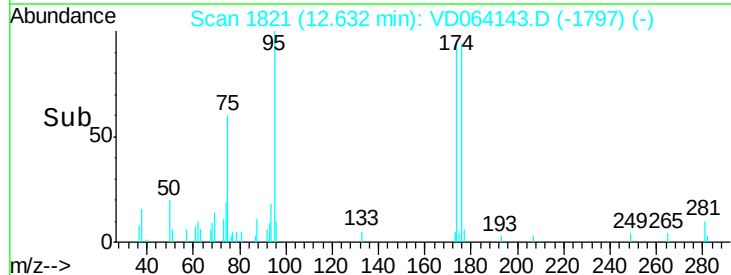
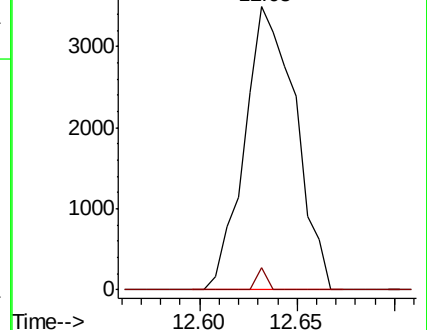
75 100

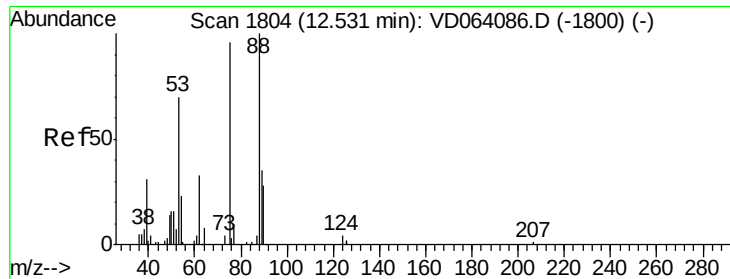
77 1.5 0.0 0.0#



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: 136.257 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064143.D

Acq: 31 Oct 2019 21:06

Instrument :

MSVOA_D

ClientSampleId :

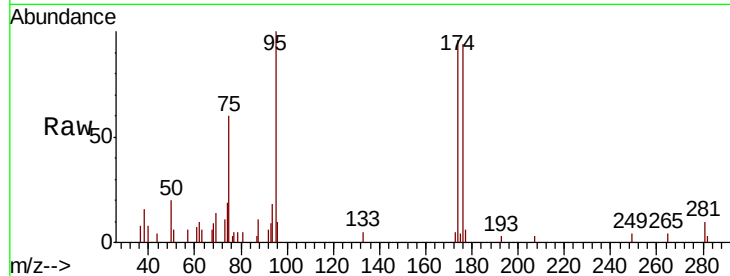
Tot Ion: 75 Resp: 6297

Ion Ratio Lower Upper

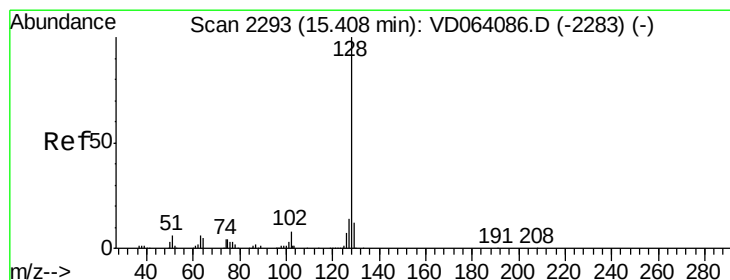
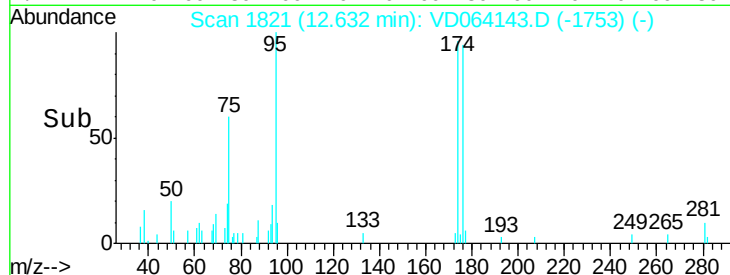
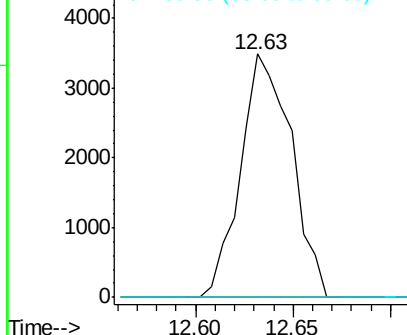
75 100

53 0.0 68.6 103.0#

89 0.0 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



#95

Naphthalene

Concen: 3.950 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064143.D

Acq: 31 Oct 2019 21:06

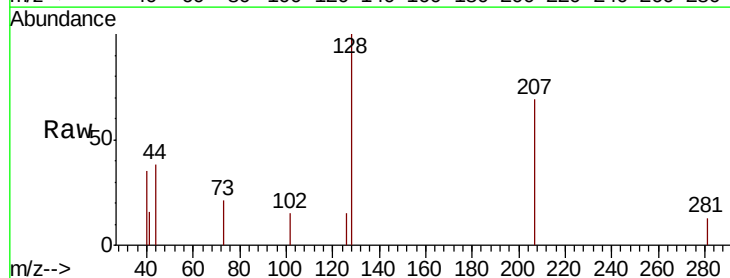
Tgt Ion: 128 Resp: 1882

Ion Ratio Lower Upper

128 100

127 6.6 10.9 16.3#

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

