

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064134.D
 Acq On : 31 Oct 2019 15:53
 Operator : VA/SY
 Sample : K5620-06
 Misc : 5.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:05:10 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	223592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	360955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	391418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	200427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	104180	58.59	ug/l	0.00
Spiked Amount			Recovery	=	117.18%	
35) Dibromofluoromethane	7.92	113	113582	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.34	98	452130	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.64	95	158156	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	

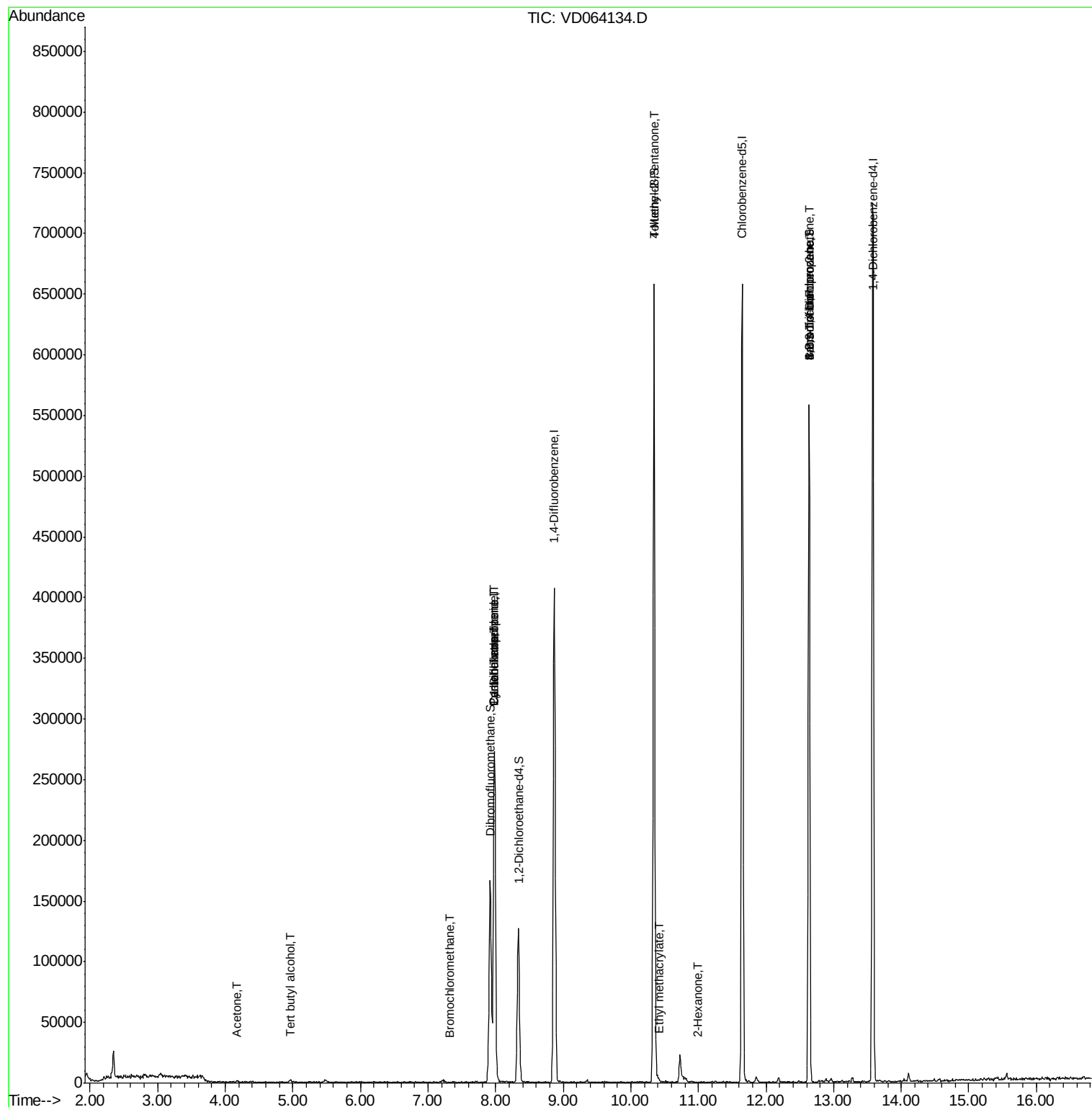
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	54	6.705	ug/l #	71
16) Acetone	4.16	43	820	2.424	ug/l #	42
20) Methylene Chloride	4.97	84	867	Below Cal	#	77
28) Bromochloromethane	7.33	49	61	2.294	ug/l #	5
31) Cyclohexane	7.98	56	4816	1.456	ug/l #	59
36) 1,1-Dichloropropene	7.99	75	14751	4.361	ug/l #	49
38) Carbon Tetrachloride	7.99	117	20950	5.677	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1461	1.276	ug/l #	1
56) Ethyl methacrylate	10.41	69	69	3.048	ug/l #	9
59) 2-Hexanone	11.00	43	163	9.189	ug/l #	22
71) Bromoform	12.63	173	1921	1.189	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	84654	62.858	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	84654	128.372	ug/l #	15

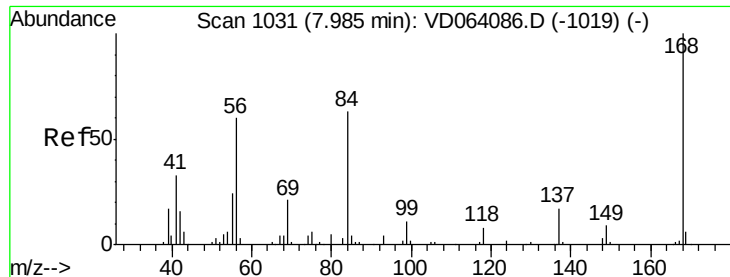
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 01 06:05:10 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: VD064134.D

Acq: 31 Oct 2019 15:53

Instrument :

MSVOA_D

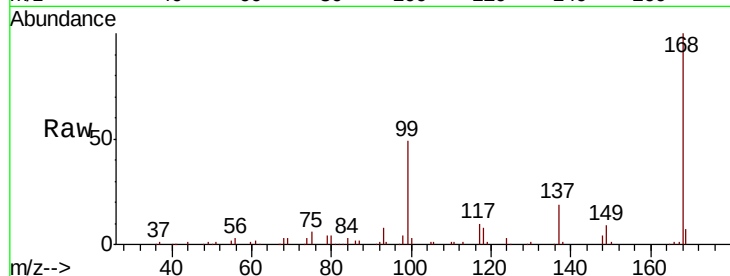
ClientSampleId :

Tot Ion:168 Resp: 223592

Ion Ratio Lower Upper

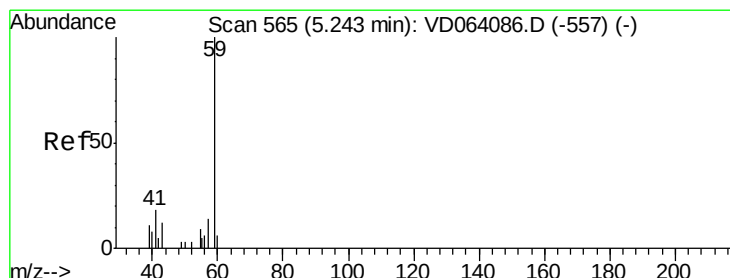
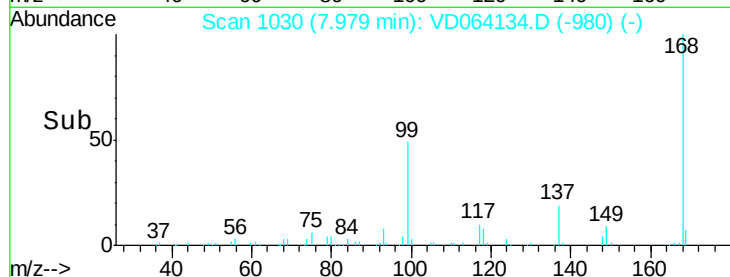
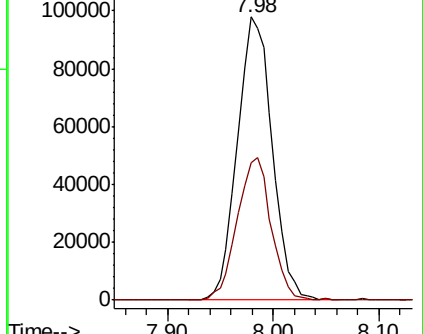
168 100

99 48.6 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: 6.705 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.29 min

Lab File: VD064134.D

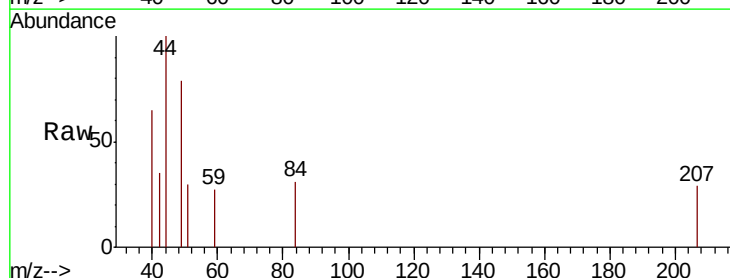
Acq: 31 Oct 2019 15:53

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

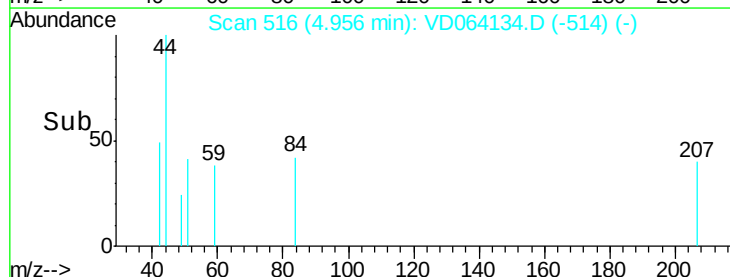
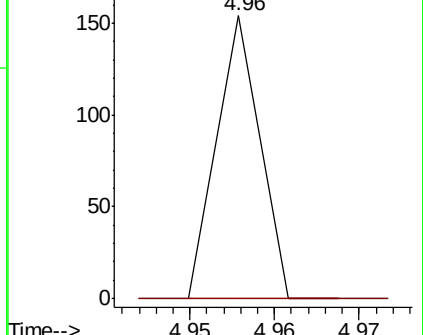
59 100

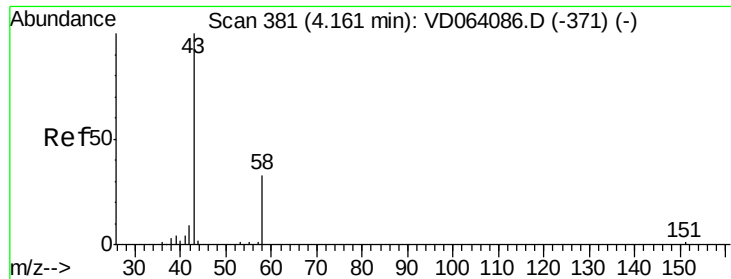
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.424 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD064134.D

Acq: 31 Oct 2019 15:53

Instrument :

MSVOA_D

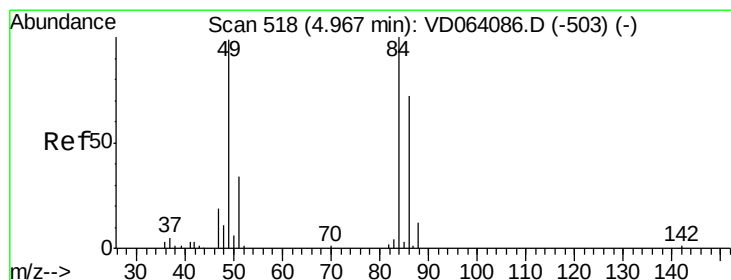
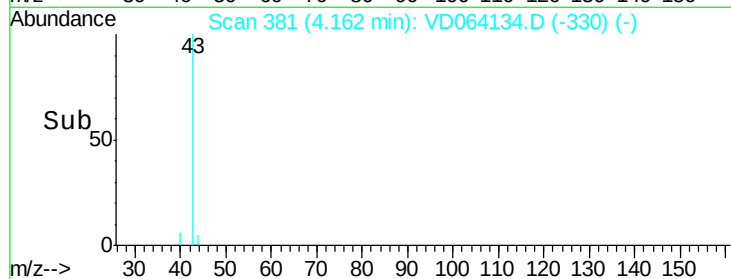
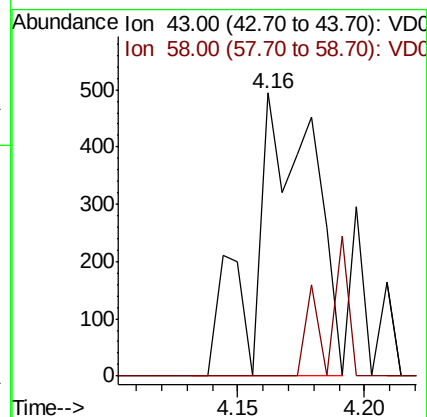
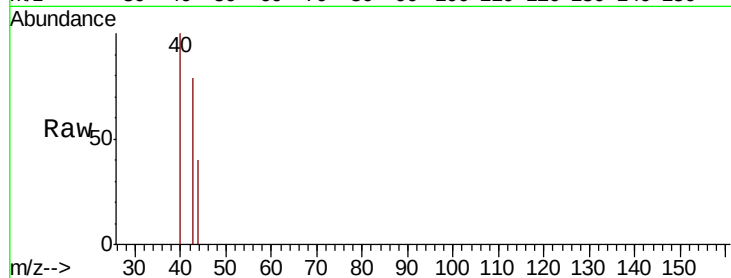
ClientSampled :

Tot Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064134.D

Acq: 31 Oct 2019 15:53

Tgt Ion: 84 Resp: 867

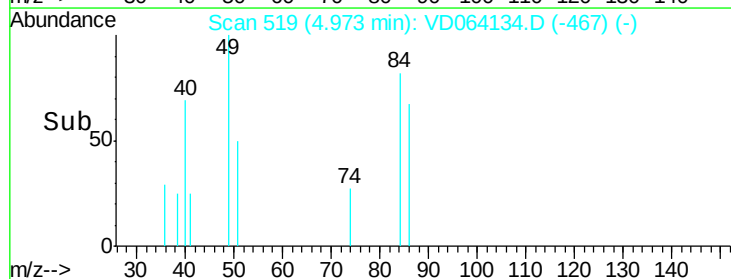
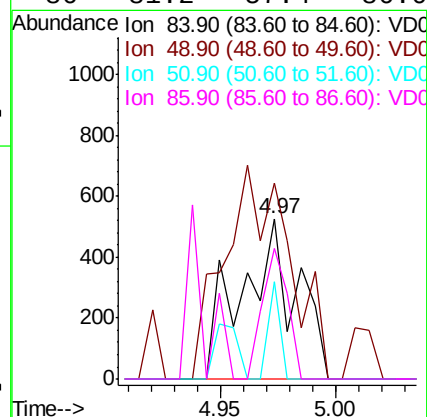
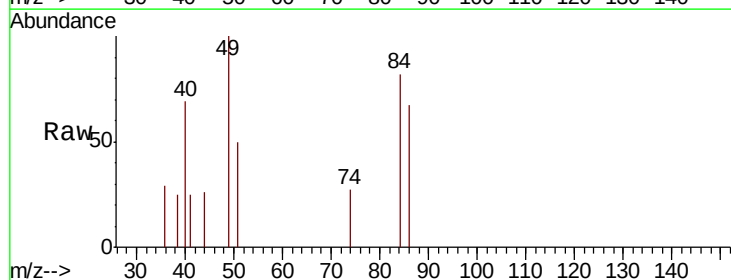
Ion Ratio Lower Upper

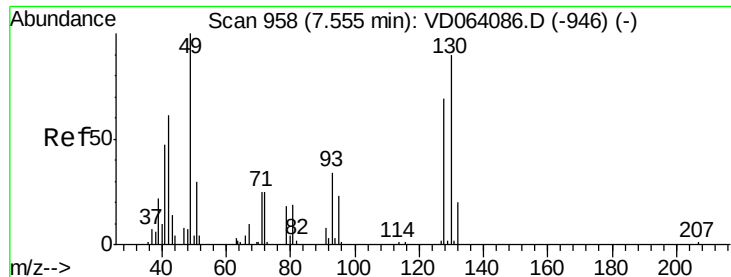
84 100

49 121.8 79.4 119.0#

51 60.5 27.4 41.2#

86 81.2 57.4 86.0





#28

Bromochloromethane

Concen: 2.294 ug/l

RT: 7.33 min Scan# 919

Delta R.T. -0.23 min

Lab File: VD064134.D

Acq: 31 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

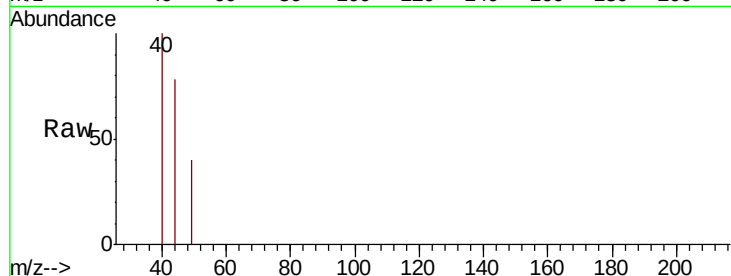
Tot Ion: 49 Resp: 61

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

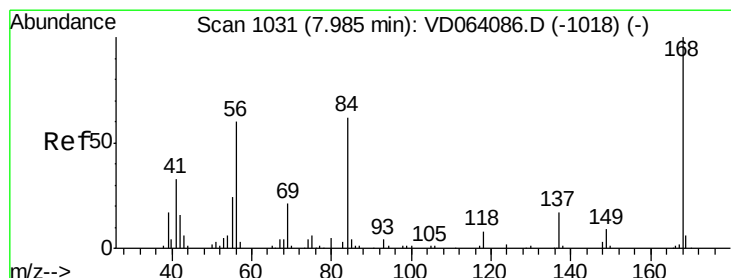
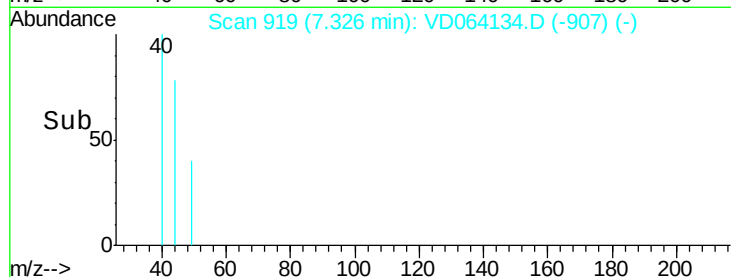
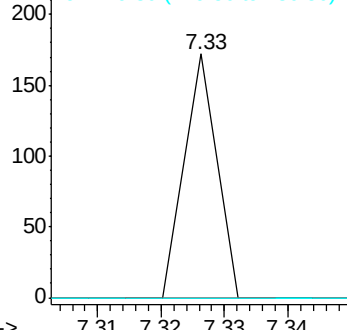
130 0.0 75.3 112.9#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#31

Cyclohexane

Concen: 1.456 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064134.D

Acq: 31 Oct 2019 15:53

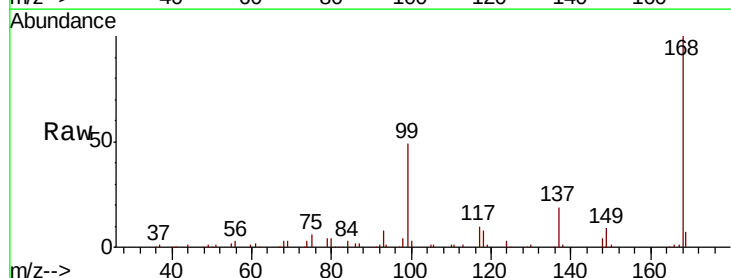
Tgt Ion: 56 Resp: 4816

Ion Ratio Lower Upper

56 100

69 106.9 27.7 41.5#

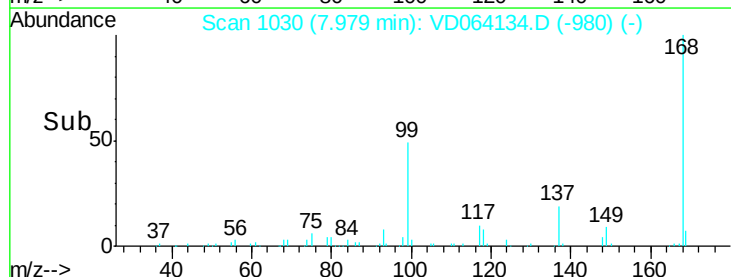
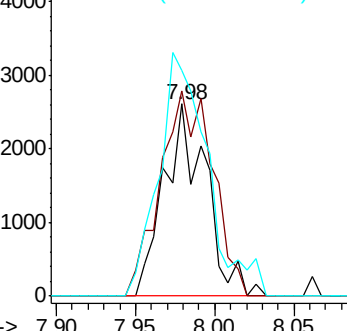
84 117.1 83.1 124.7

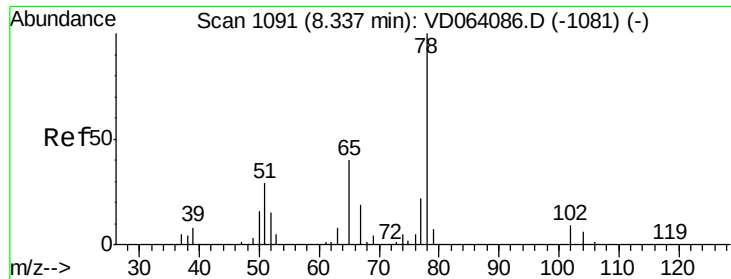


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

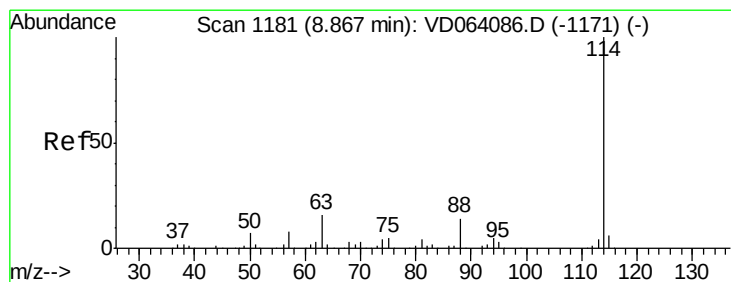
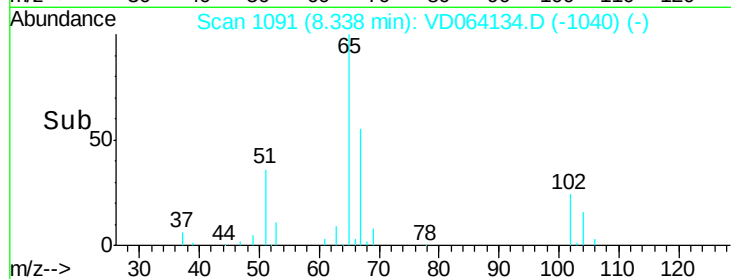
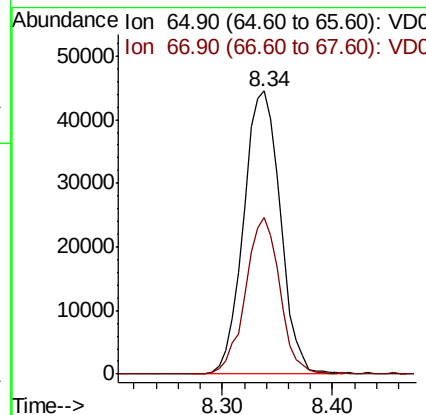
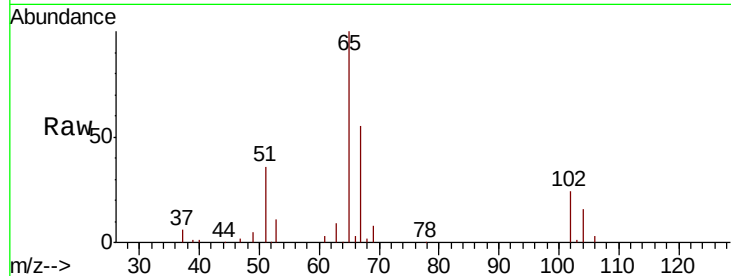




#33
 1,2-Dichloroethane-d4
 Concen: 58.586 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064134.D
 Acq: 31 Oct 2019 15:53

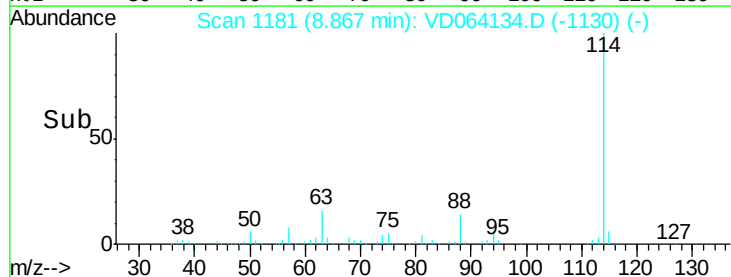
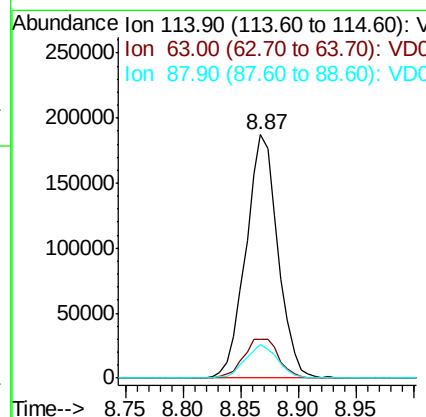
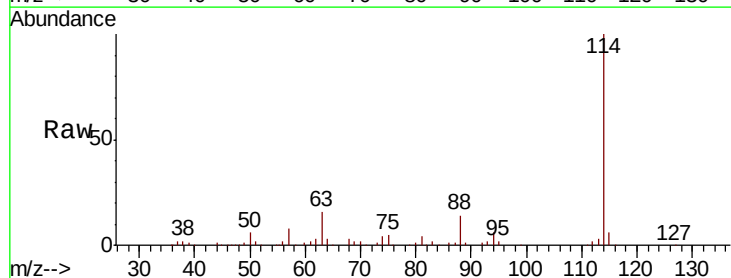
Instrument :
 MSVOA_D
 ClientSampleID :

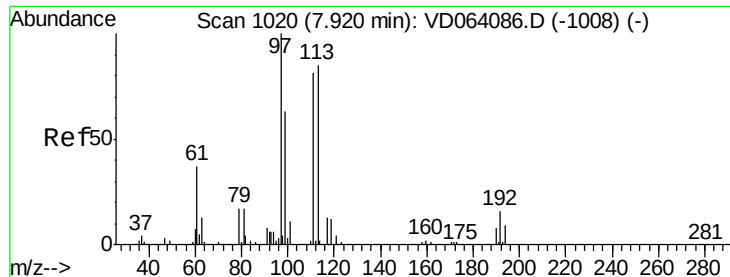
Tot Ion: 65 Resp: 104180
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064134.D
 Acq: 31 Oct 2019 15:53

Tgt Ion: 114 Resp: 360955
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.8
 88 13.6 0.0 27.6

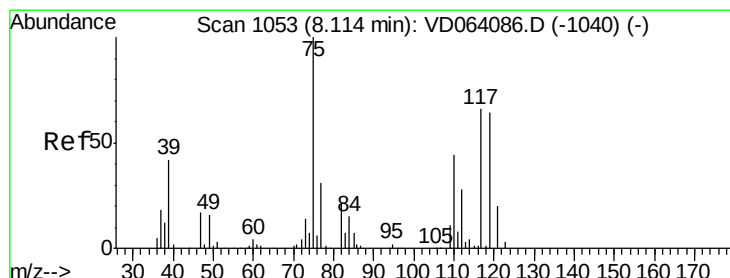
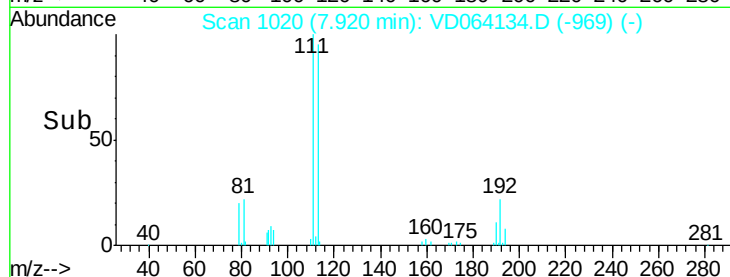
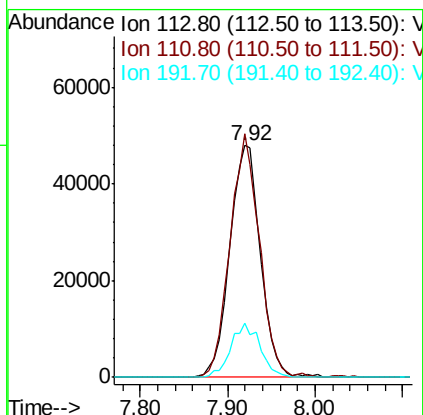
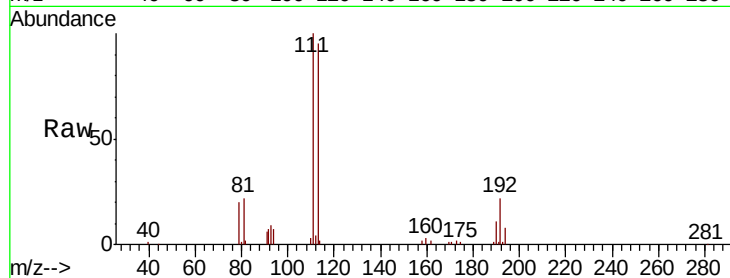




#35
 Dibromofluoromethane
 Concen: 51.147 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064134.D
 Acq: 31 Oct 2019 15:53

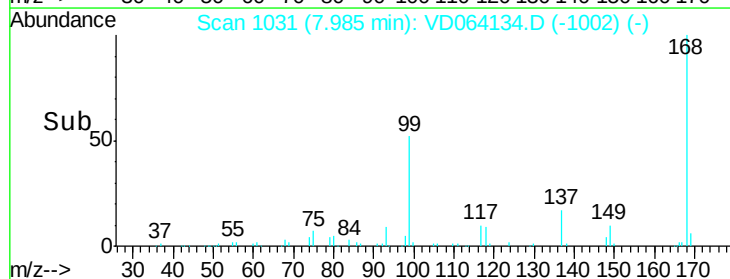
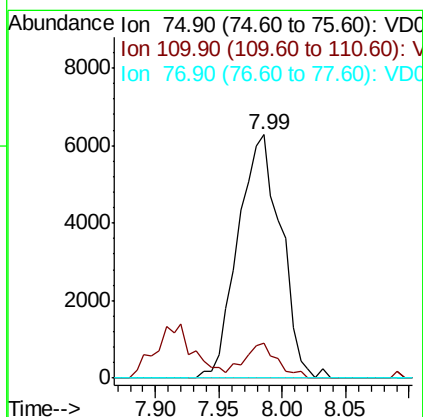
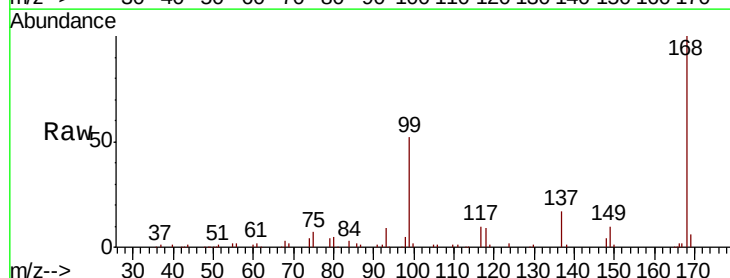
Instrument :
 MSVOA_D
 ClientSampleId :

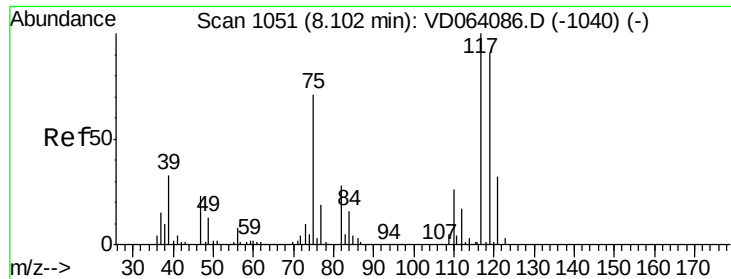
Tot Ion:113 Resp: 113582
 Ion Ratio Lower Upper
 113 100
 111 101.0 79.3 118.9
 192 22.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.361 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064134.D
 Acq: 31 Oct 2019 15:53

Tgt Ion: 75 Resp: 14751
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.0 59.9#
 77 0.0 24.7 37.1#

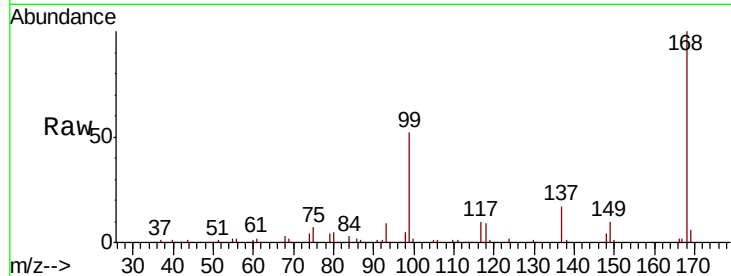




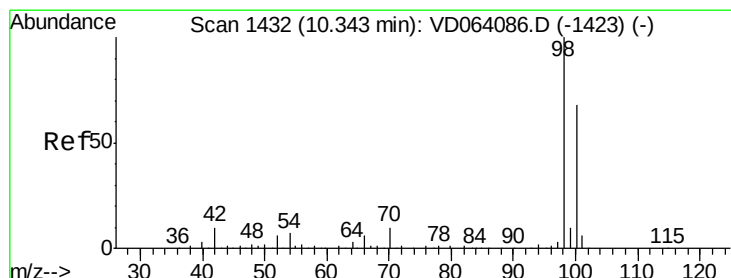
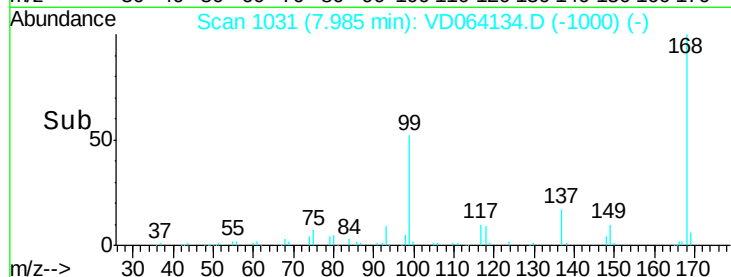
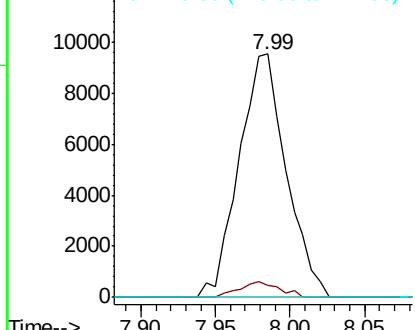
#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 20950
Ion Ratio Lower Upper
117 100
119 5.1 72.6 108.8#
121 0.0 25.8 38.6#

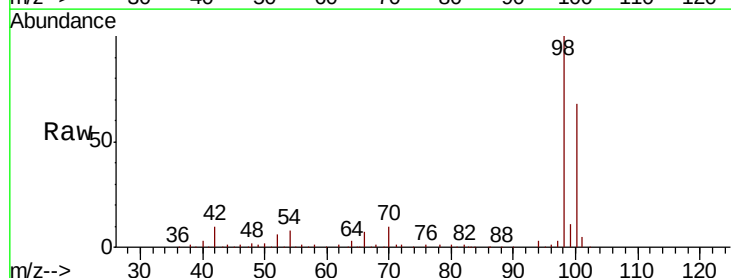


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

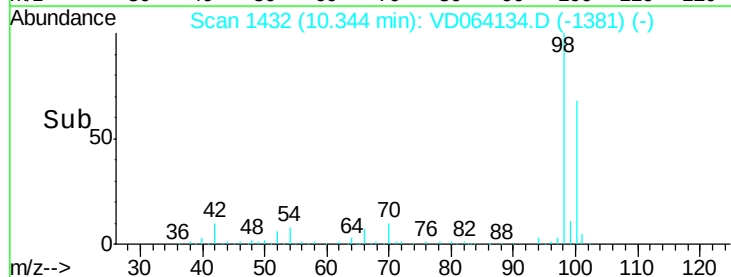
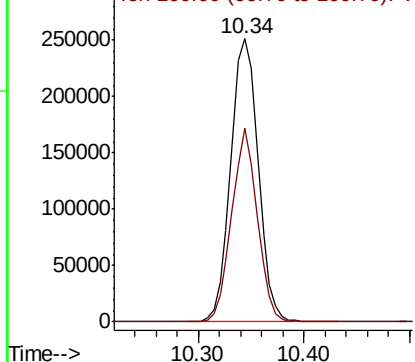


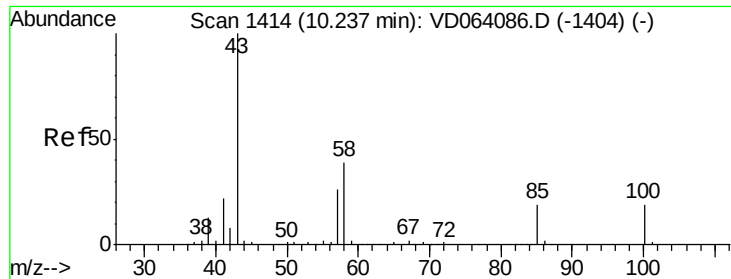
#50
Toluene-d8
Concen: 50.910 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

Tgt Ion: 98 Resp: 452130
Ion Ratio Lower Upper
98 100
100 63.9 53.4 80.0



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

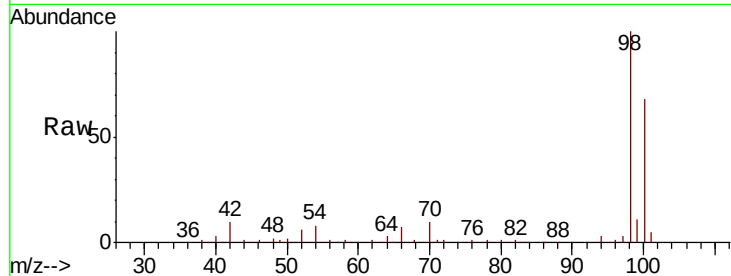




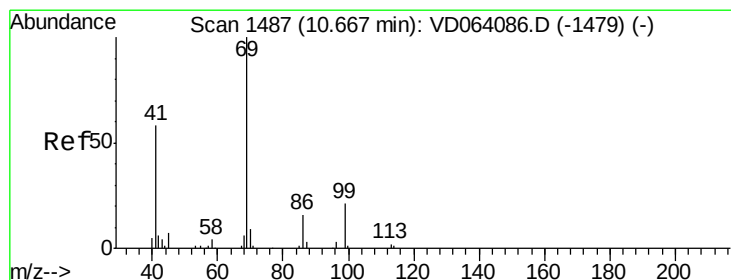
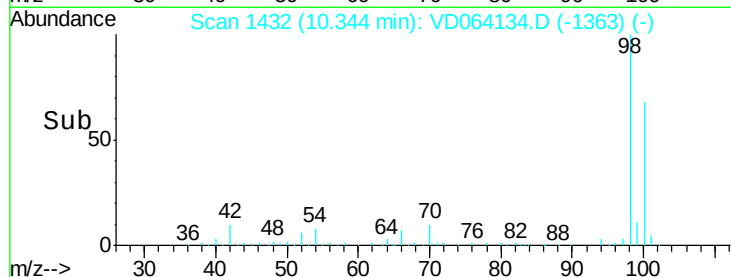
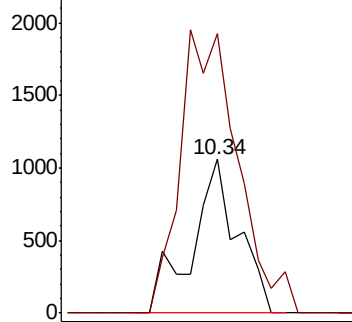
#51
4-Methyl-2-Pentanone
Concen: 1.276 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 231.9 33.0 49.4#

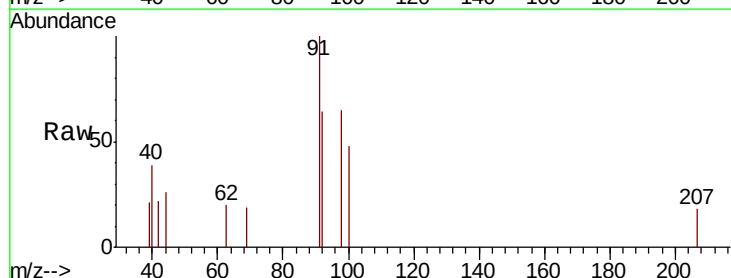


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

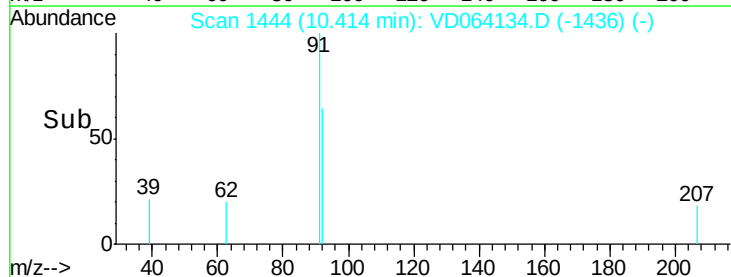
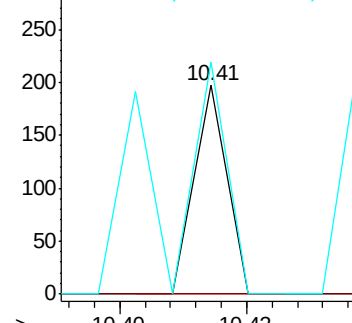


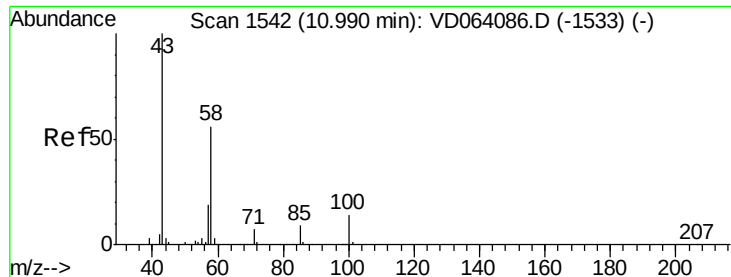
#56
Ethyl methacrylate
Concen: 3.048 ug/l
RT: 10.41 min Scan# 1444
Delta R.T. -0.25 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

Tgt Ion: 69 Resp: 69
Ion Ratio Lower Upper
69 100
41 0.0 46.9 70.3#
39 98.6 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

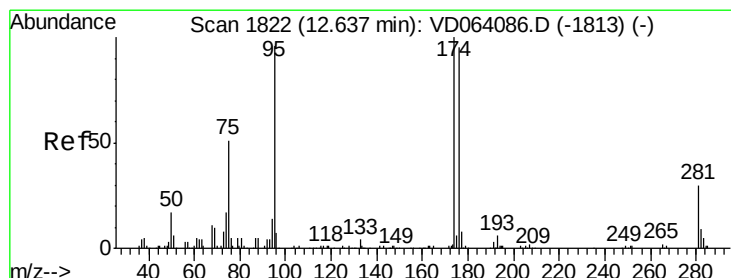
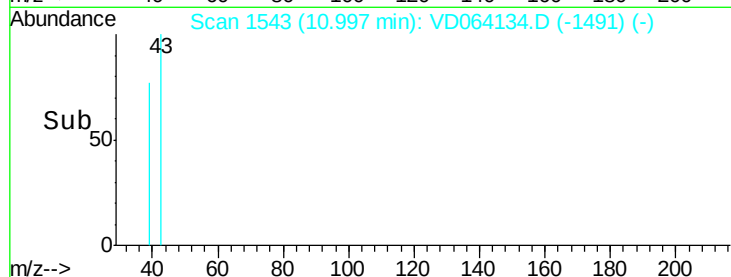
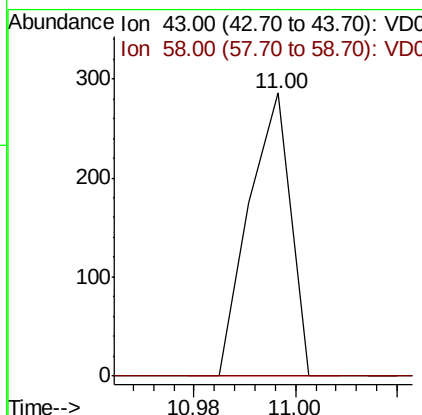
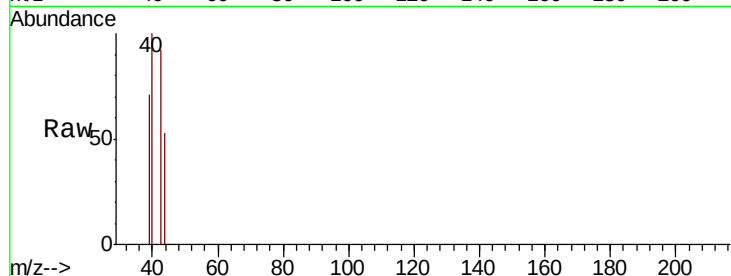




#59
2-Hexanone
Concen: 9.189 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

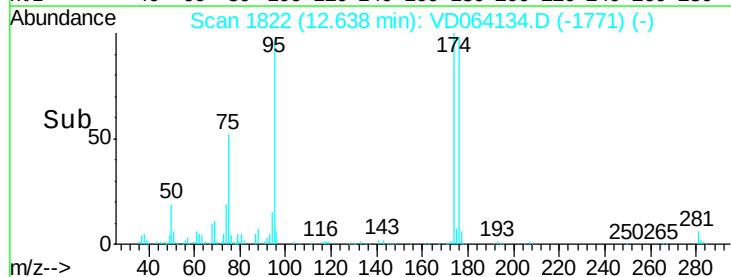
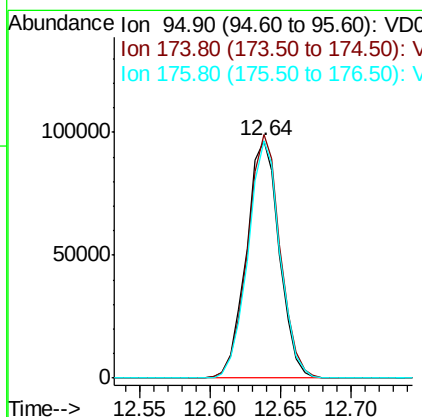
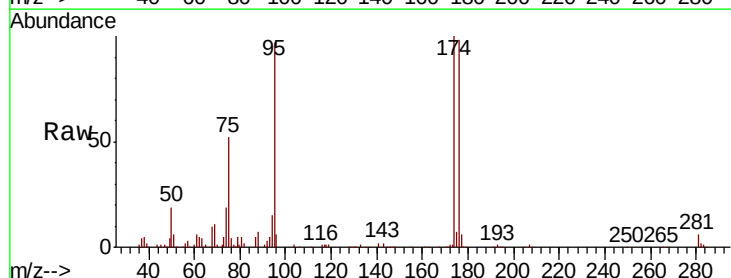
Instrument :
MSVOA_D
ClientSampleId :

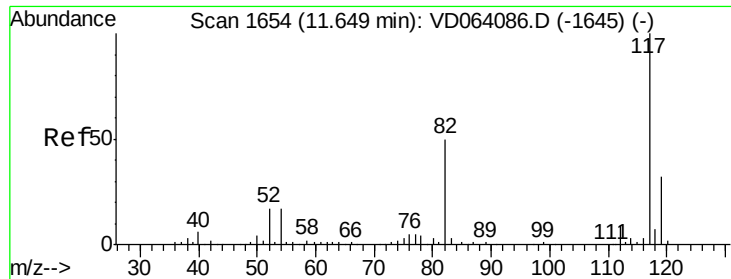
Tot Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 53.716 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

Tgt Ion: 95 Resp: 158156
Ion Ratio Lower Upper
95 100
174 101.7 0.0 201.6
176 97.4 0.0 192.6

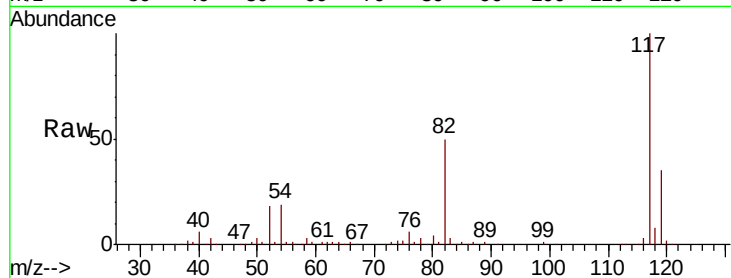




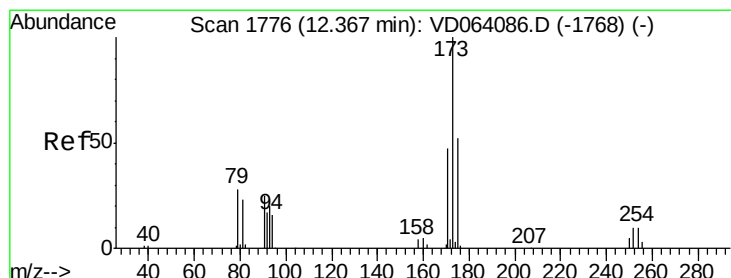
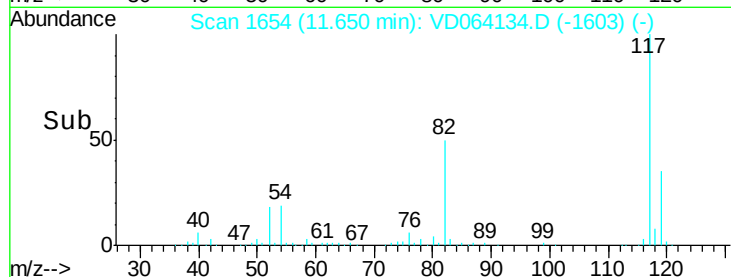
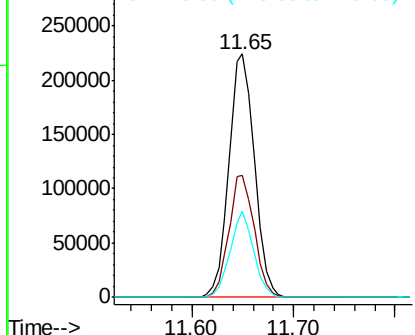
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 391418
Ion Ratio Lower Upper
117 100
82 50.1 40.2 60.4
119 35.4 26.0 39.0

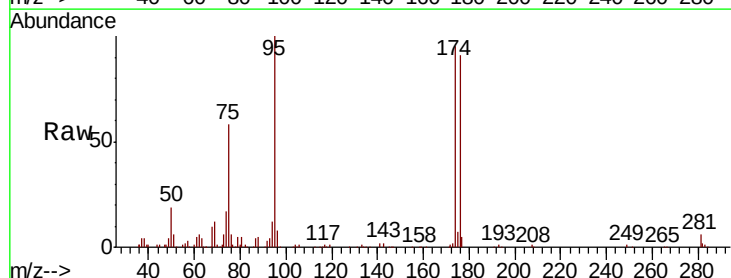


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

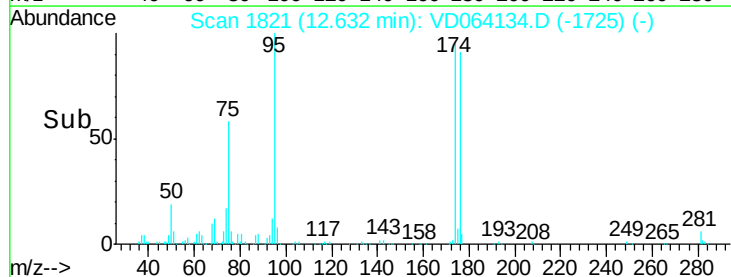
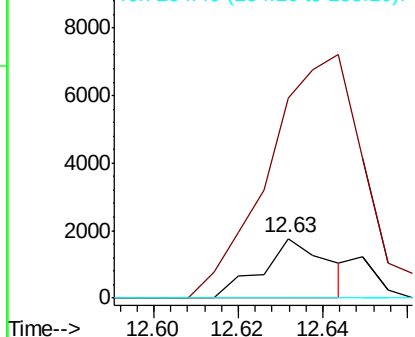


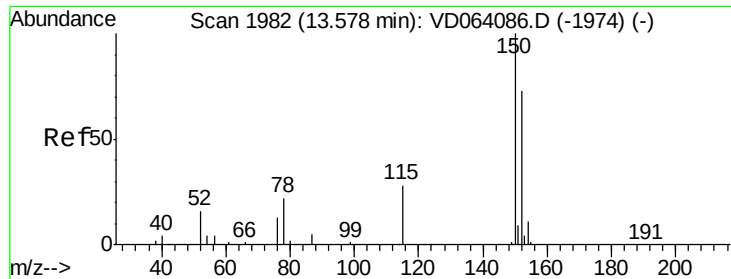
#71
Bromoform
Concen: 1.189 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD064134.D
Acq: 31 Oct 2019 15:53

Tgt Ion:173 Resp: 1921
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VD064134.D

Acq: 31 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

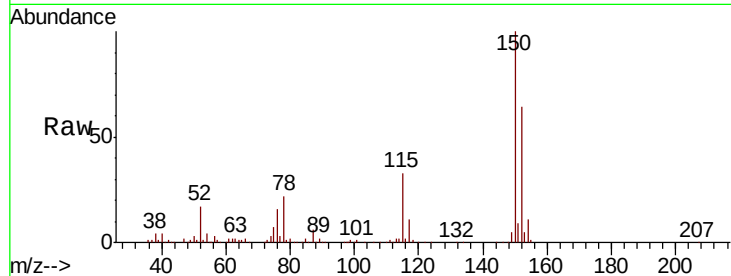
Tot Ion:152 Resp: 200427

Ion Ratio Lower Upper

152 100

115 55.0 26.2 78.6

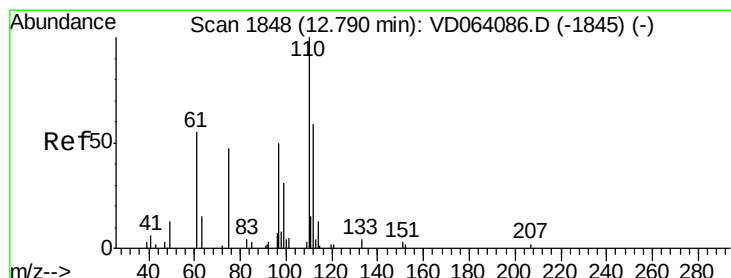
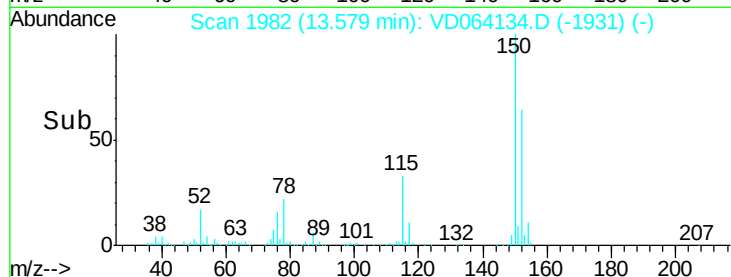
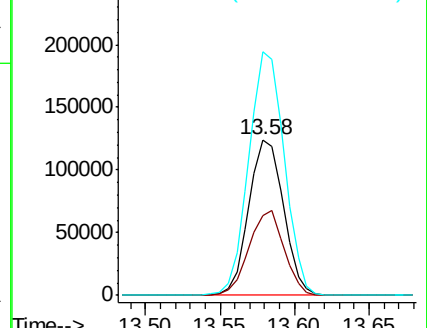
150 159.8 0.0 338.8



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: 62.858 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064134.D

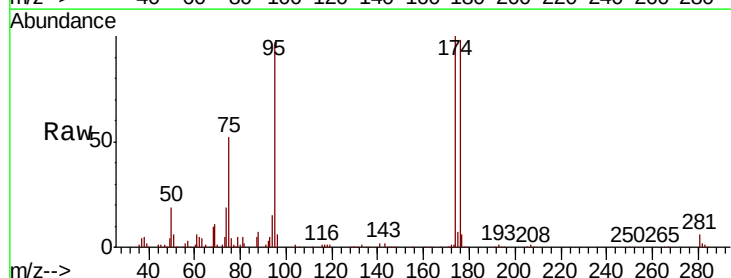
Acq: 31 Oct 2019 15:53

Tgt Ion: 75 Resp: 84654

Ion Ratio Lower Upper

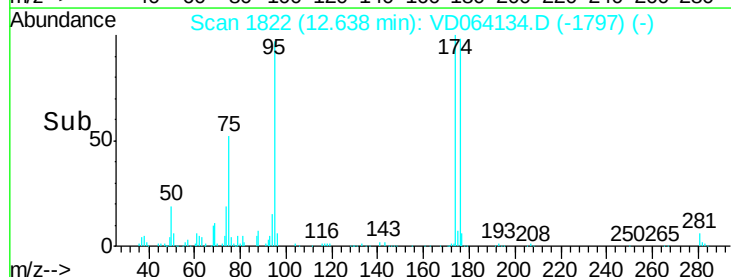
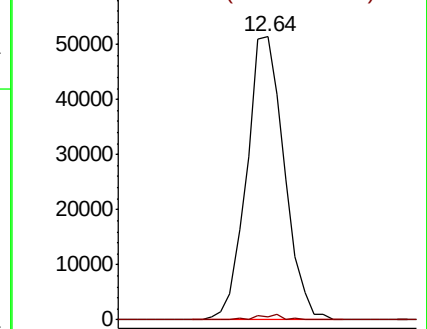
75 100

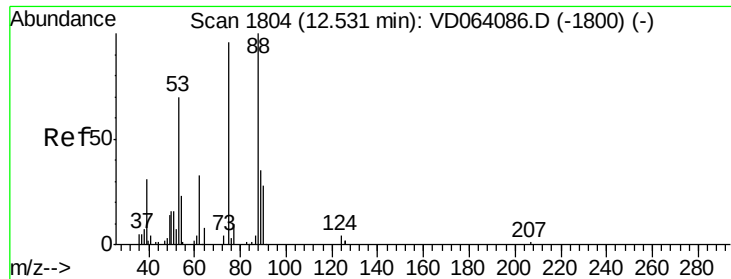
77 1.4 0.0 0.0#



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: 128.372 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064134.D

Acq: 31 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

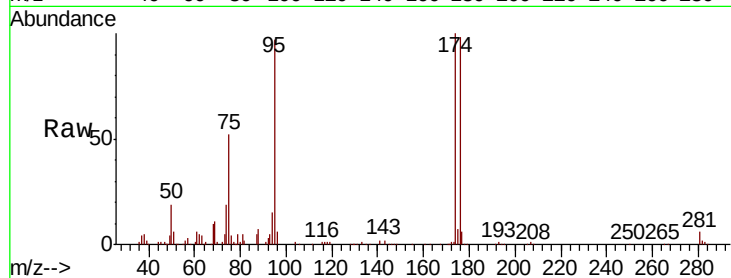
Tot Ion: 75 Resp: 84654

Ion Ratio Lower Upper

75 100

53 0.1 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

