

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064135.D
 Acq On : 31 Oct 2019 16:22
 Operator : VA/SY
 Sample : K5620-10
 Misc : 5.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:05:21 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	223227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	363018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	385736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199249	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	103342	58.21	ug/l	0.00
Spiked Amount			Recovery	=	116.42%	
35) Dibromofluoromethane	7.91	113	115612	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
50) Toluene-d8	10.34	98	454633	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.64	95	158463	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	

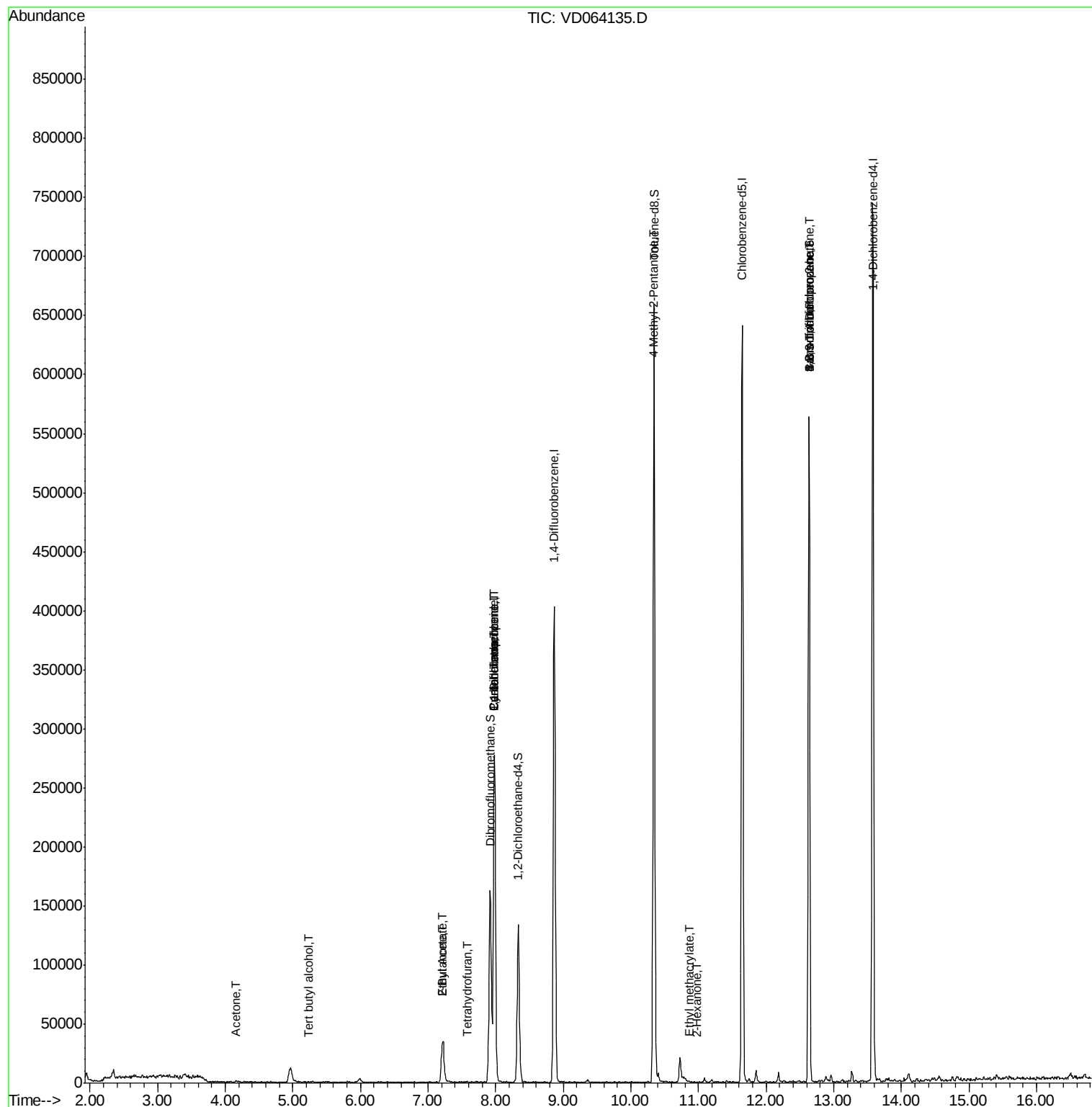
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	599	11.909	ug/l #	71
16) Acetone	4.16	43	887	2.626	ug/l #	84
25) 2-Butanone	7.22	43	1414	3.028	ug/l #	45
29) Tetrahydrofuran	7.58	42	313	1.148	ug/l #	51
31) Cyclohexane	7.98	56	4776	1.446	ug/l #	53
36) 1,1-Dichloropropene	7.98	75	15505	4.558	ug/l #	49
37) Ethyl Acetate	7.22	43	1414	1.351	ug/l #	1
38) Carbon Tetrachloride	7.98	117	22564	6.080	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1260	1.094	ug/l #	1
56) Ethyl methacrylate	10.87	69	64	3.046	ug/l #	1
59) 2-Hexanone	10.97	43	69	9.088	ug/l #	22
71) Bromoform	12.63	173	1643	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	83553	62.407	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	83553	127.451	ug/l #	15

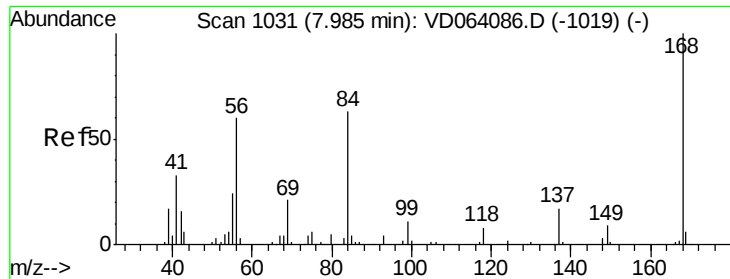
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103119\
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MSVOA_D
ClientSampleId :

Quant Time: Nov 01 06:05:21 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: VD064135.D

Acq: 31 Oct 2019 16:22

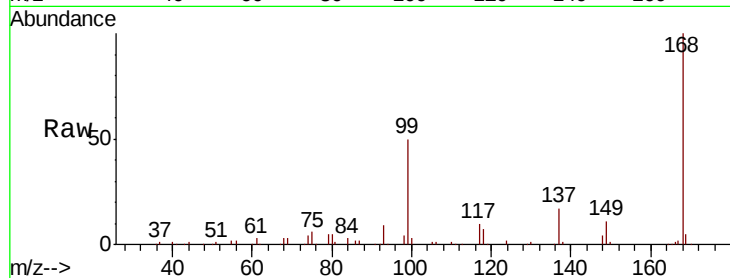
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 223227

Ion Ratio Lower Upper

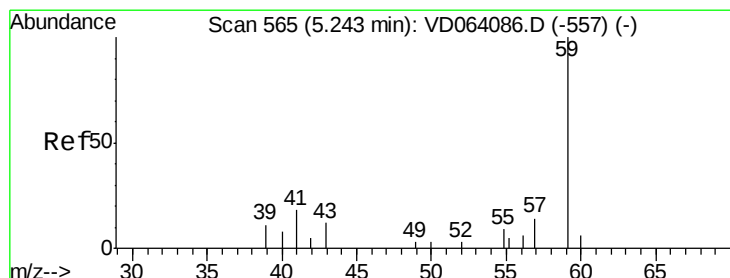
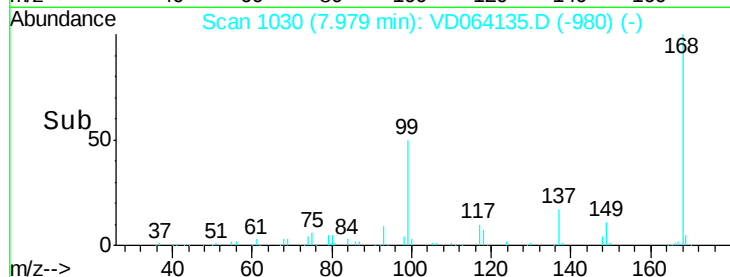
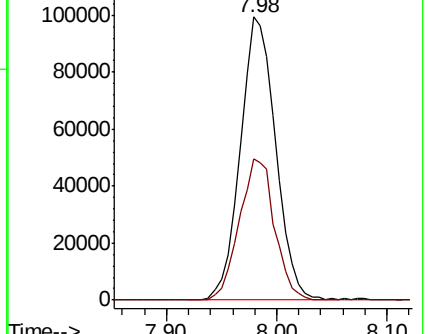
168 100

99 50.0 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: 11.909 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD064135.D

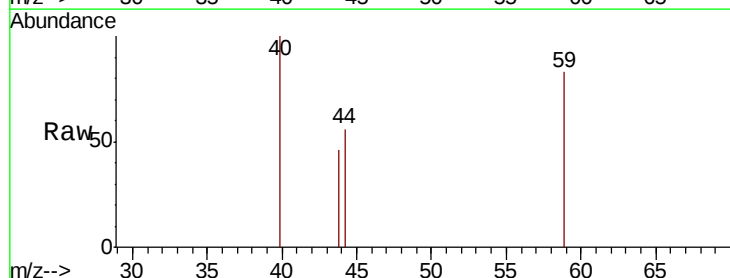
Acq: 31 Oct 2019 16:22

Tgt Ion: 59 Resp: 599

Ion Ratio Lower Upper

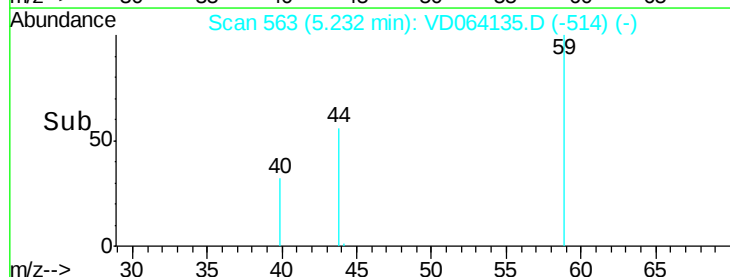
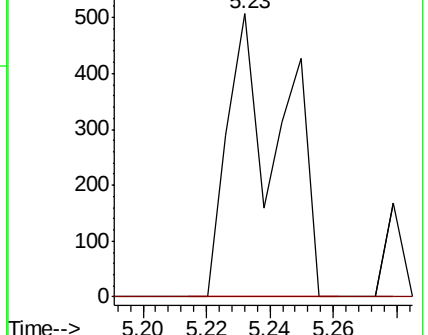
59 100

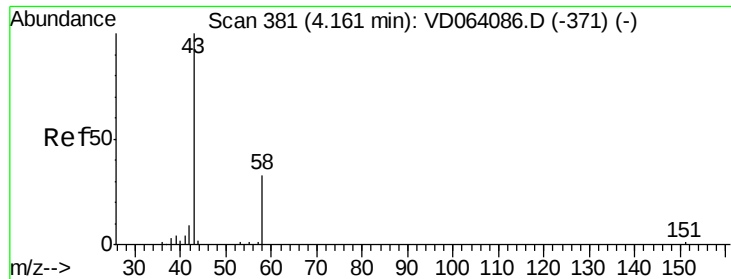
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.626 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Instrument :

MSVOA_D

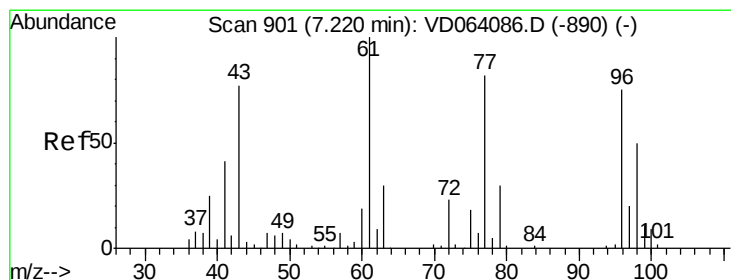
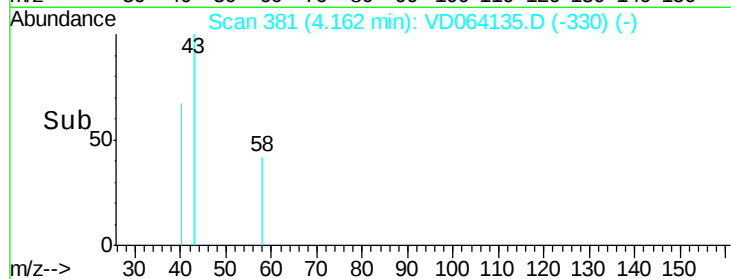
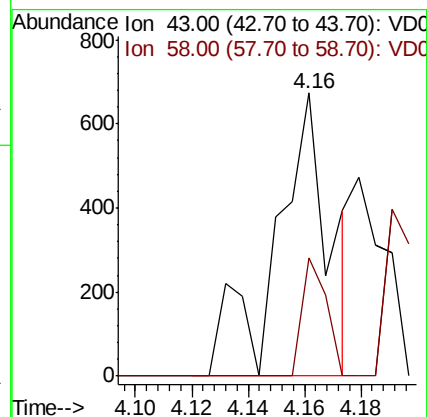
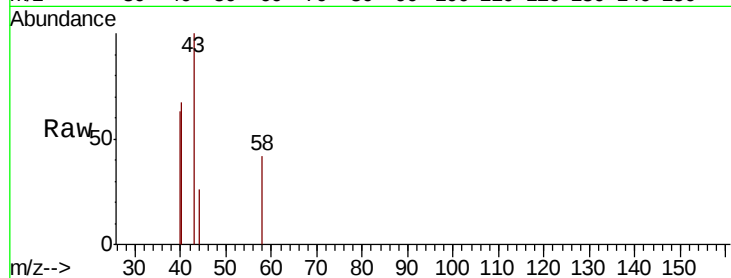
ClientSampleId :

Tot Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

58 41.8 26.3 39.5#



#25

2-Butanone

Concen: 3.028 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064135.D

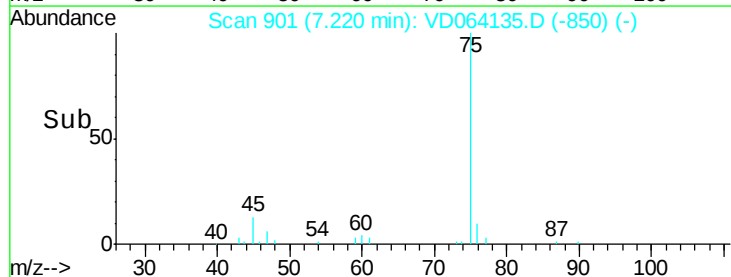
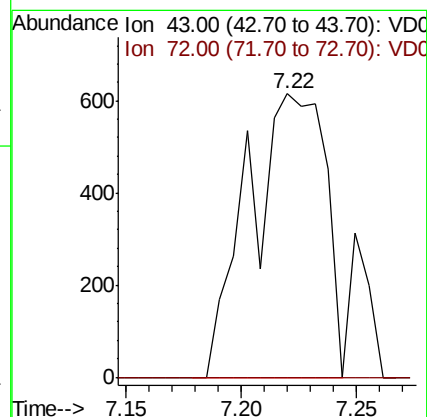
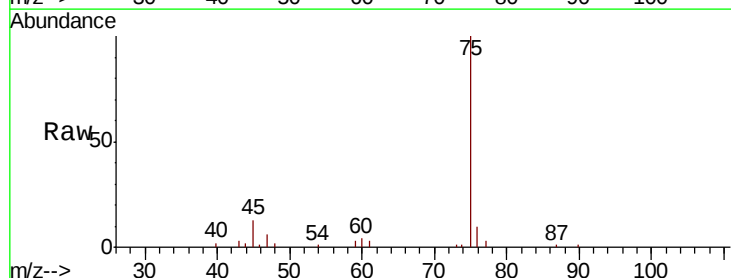
Acq: 31 Oct 2019 16:22

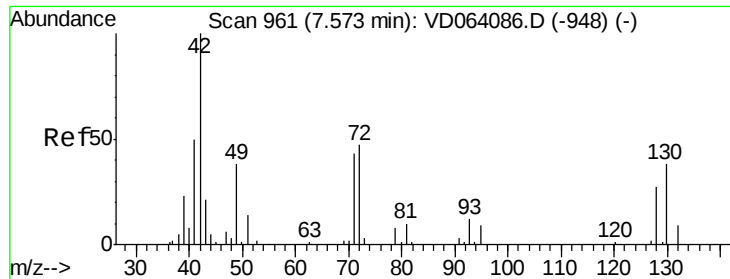
Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.0#





#29

Tetrahydrofuran

Concen: 1.148 ug/l

RT: 7.58 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Instrument :

MSVOA_D

ClientSampled :

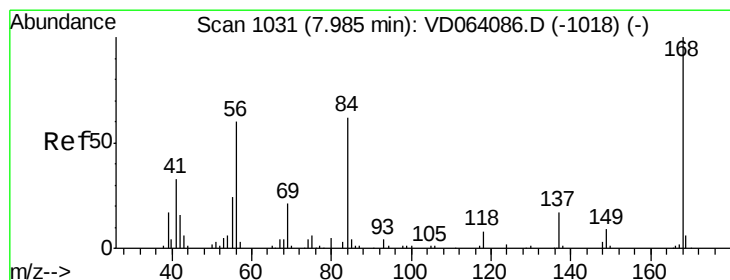
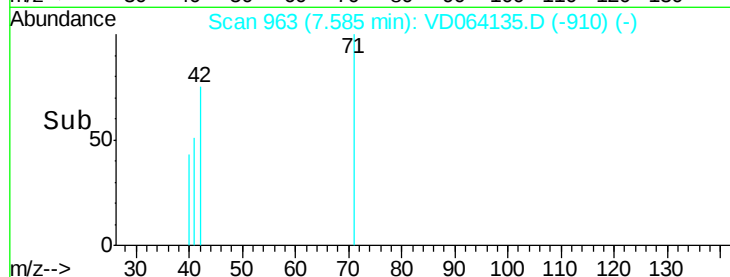
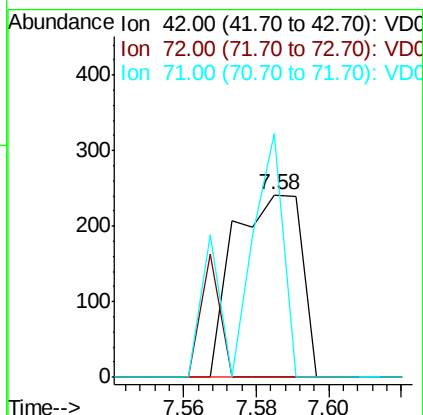
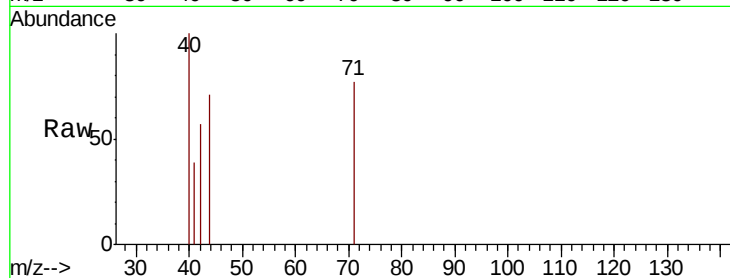
Tot Ion: 42 Resp: 313

Ion Ratio Lower Upper

42 100

72 18.2 38.9 58.3#

71 78.6 35.4 53.2#



#31

Cyclohexane

Concen: 1.446 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

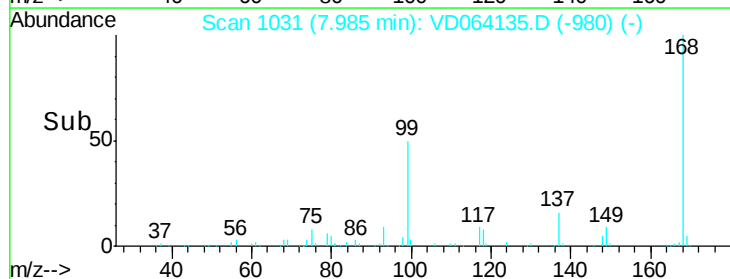
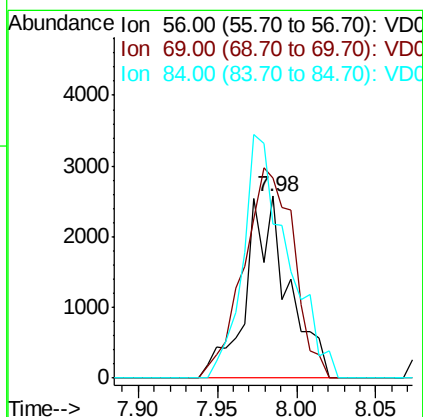
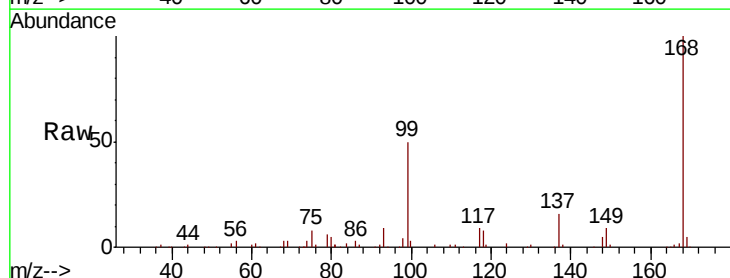
Tgt Ion: 56 Resp: 4776

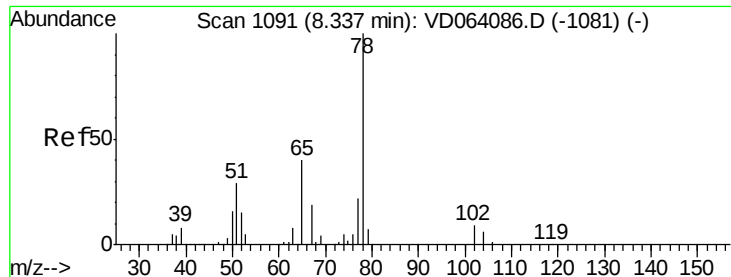
Ion Ratio Lower Upper

56 100

69 109.9 27.7 41.5#

84 84.9 83.1 124.7





#33

1,2-Dichloroethane-d4

Concen: 58.210 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Instrument :

MSVOA_D

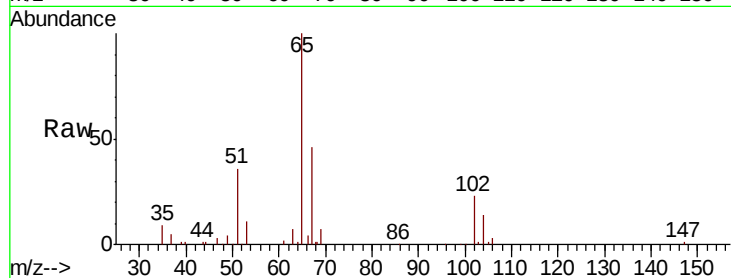
ClientSampleId :

Tot Ion: 65 Resp: 103342

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

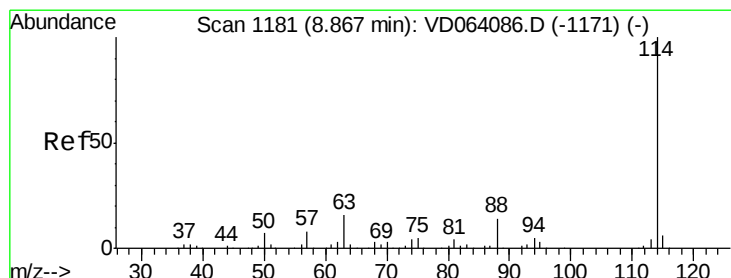
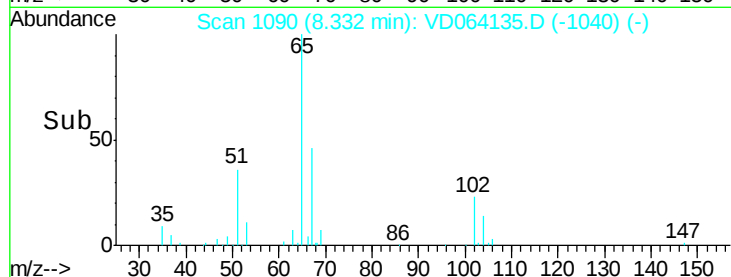
20000

10000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

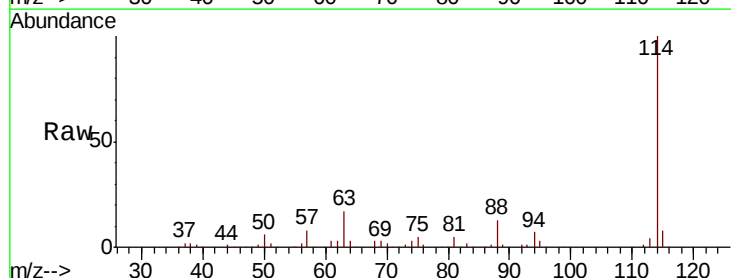
Tgt Ion: 114 Resp: 363018

Ion Ratio Lower Upper

114 100

63 16.9 0.0 32.8

88 12.6 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

250000

200000

150000

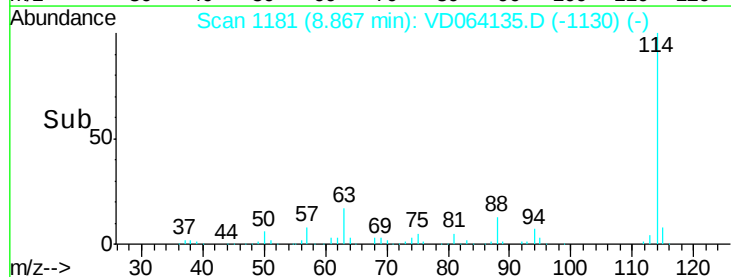
100000

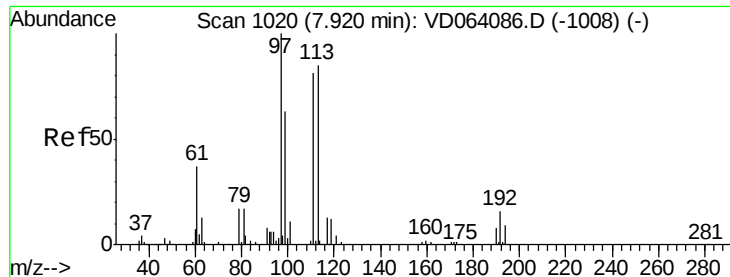
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

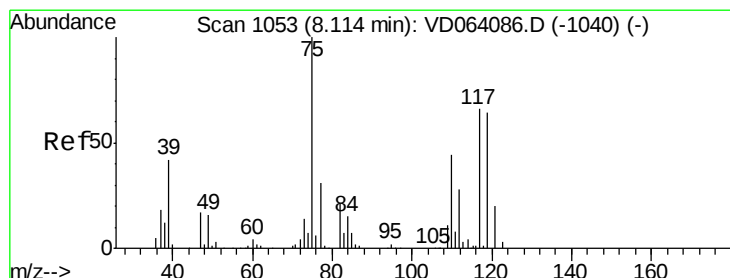
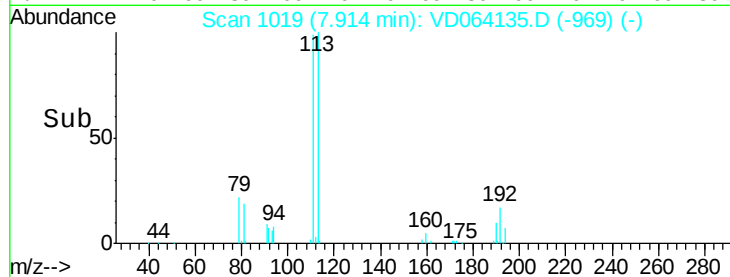
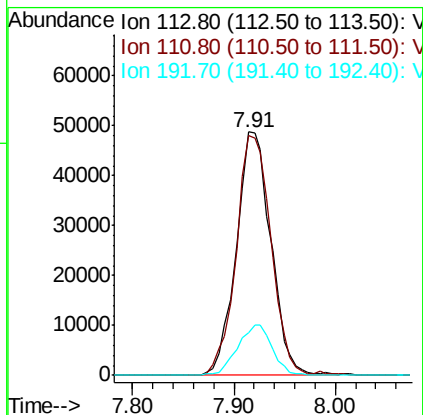
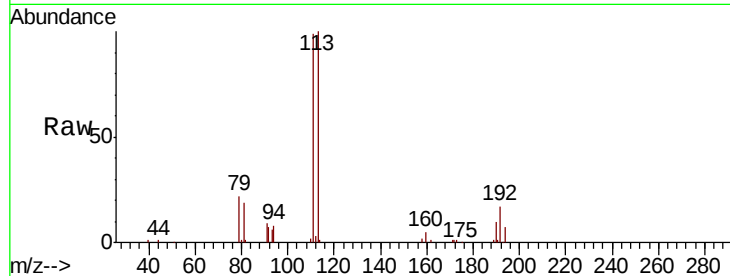




#35
 Dibromofluoromethane
 Concen: 51.765 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064135.D
 Acq: 31 Oct 2019 16:22

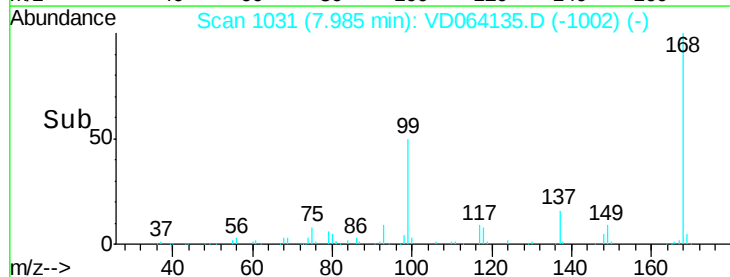
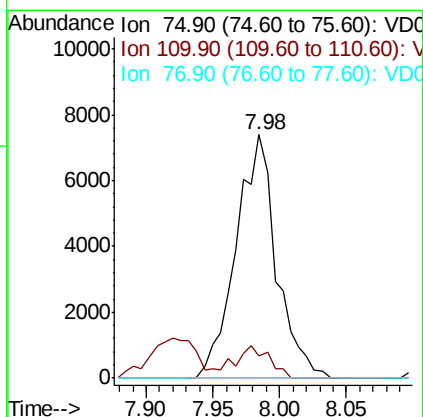
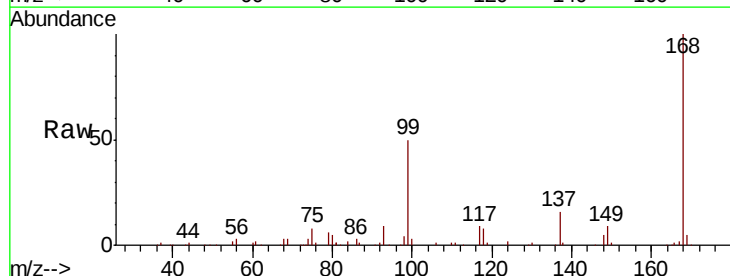
Instrument :
 MSVOA_D
 ClientSampleId :

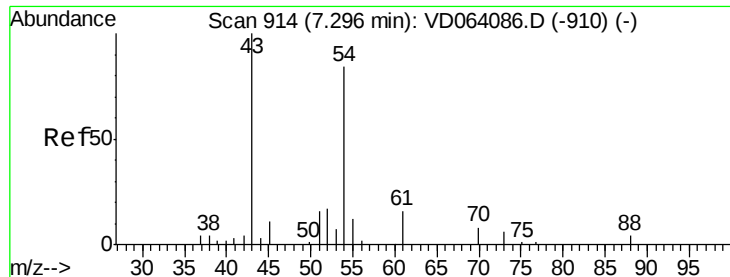
Tot Ion:113 Resp: 115612
 Ion Ratio Lower Upper
 113 100
 111 99.2 79.3 118.9
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064135.D
 Acq: 31 Oct 2019 16:22

Tgt Ion: 75 Resp: 15505
 Ion Ratio Lower Upper
 75 100
 110 10.6 20.0 59.9#
 77 0.0 24.7 37.1#

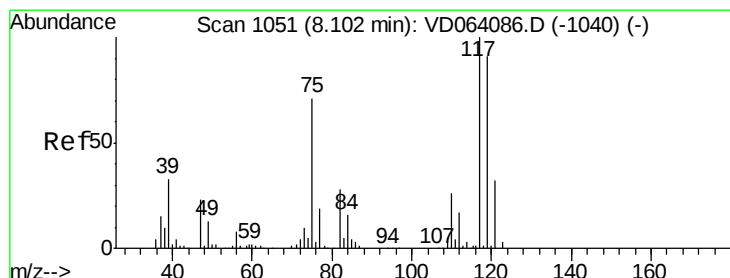
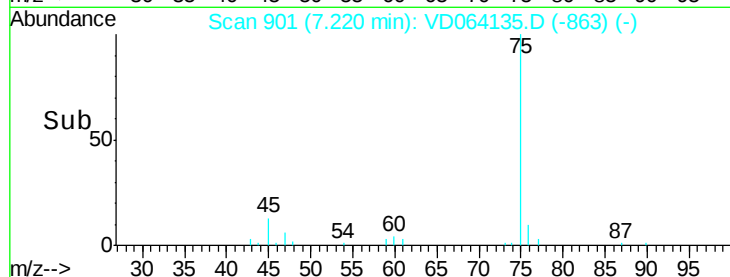
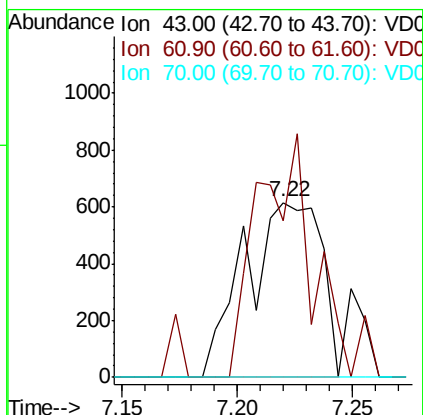
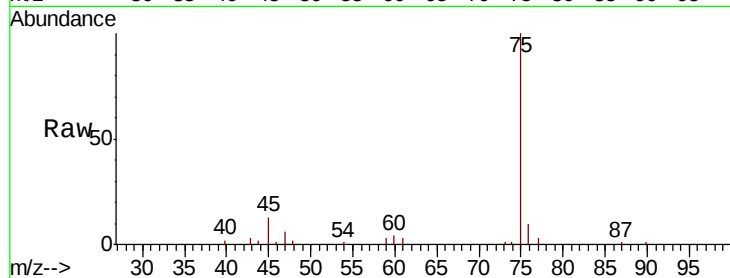




#37
Ethyl Acetate
Concen: 1.351 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD064135.D
Acq: 31 Oct 2019 16:22

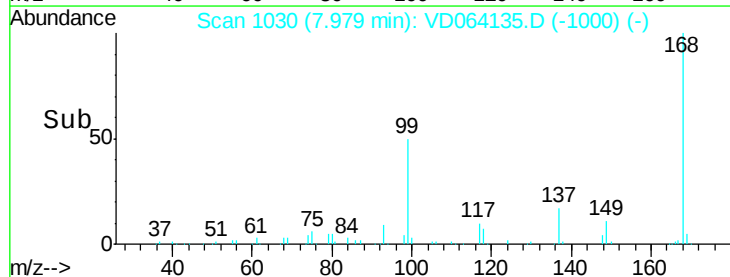
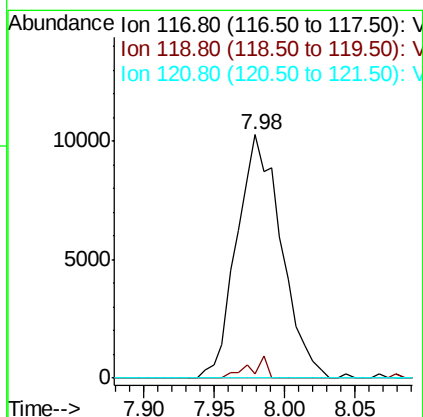
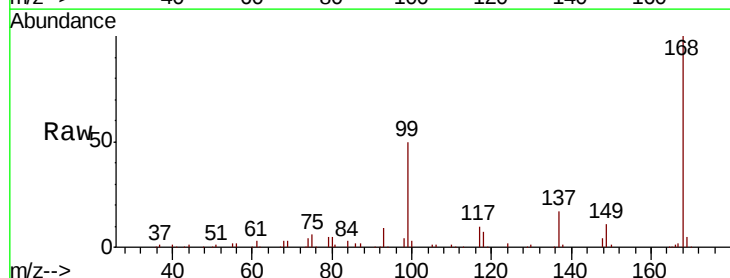
Instrument :
MSVOA_D
ClientSampled :

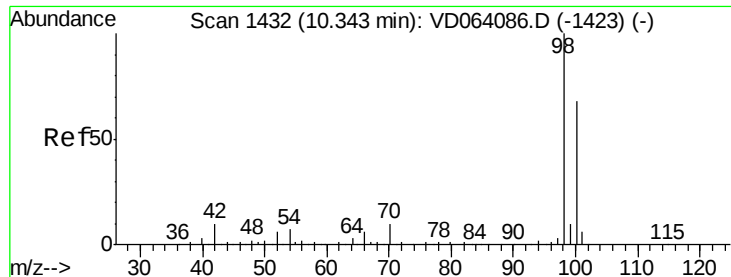
Tot Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
61 99.0 12.0 18.0#
70 0.0 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 6.080 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064135.D
Acq: 31 Oct 2019 16:22

Tgt Ion: 117 Resp: 22564
Ion Ratio Lower Upper
117 100
119 1.9 72.6 108.8#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.901 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Instrument :

MSVOA_D

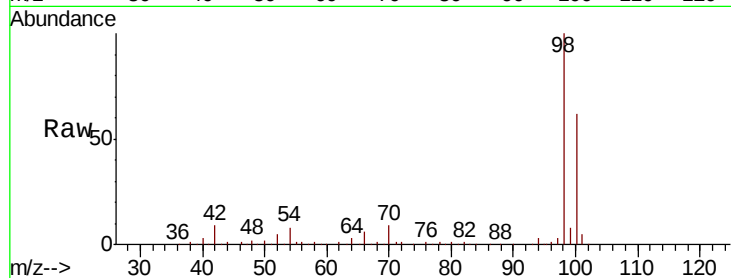
ClientSampleId :

Tot Ion: 98 Resp: 454633

Ion Ratio Lower Upper

98 100

100 63.6 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

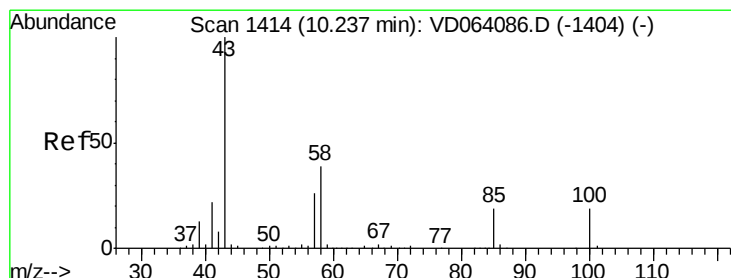
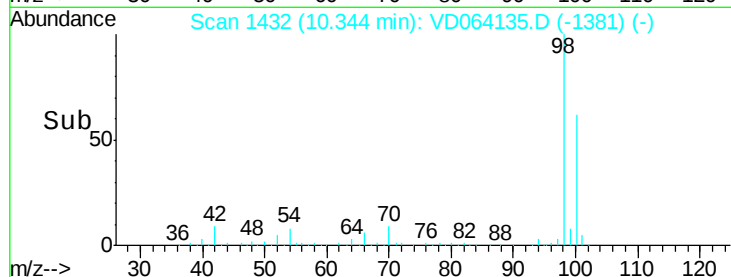
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.094 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.09 min

Lab File: VD064135.D

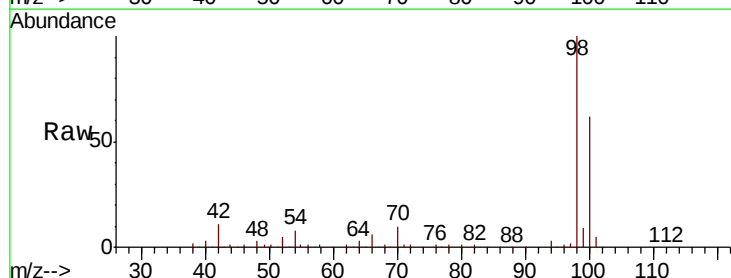
Acq: 31 Oct 2019 16:22

Tgt Ion: 43 Resp: 1260

Ion Ratio Lower Upper

43 100

58 293.6 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2500

2000

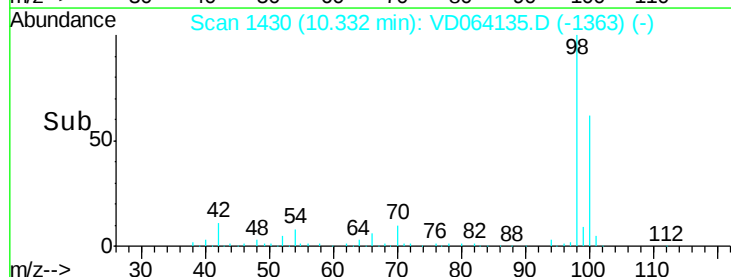
1500

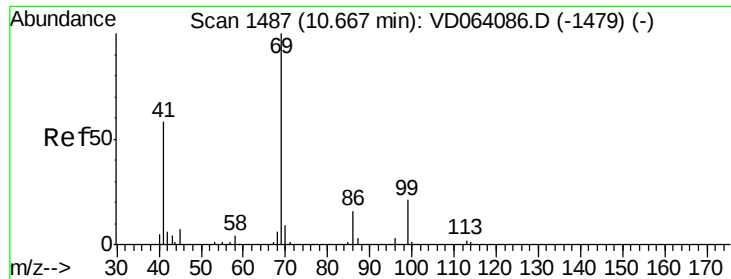
1000

500

0

Time-->





#56

Ethyl methacrylate

Concen: 3.046 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.21 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

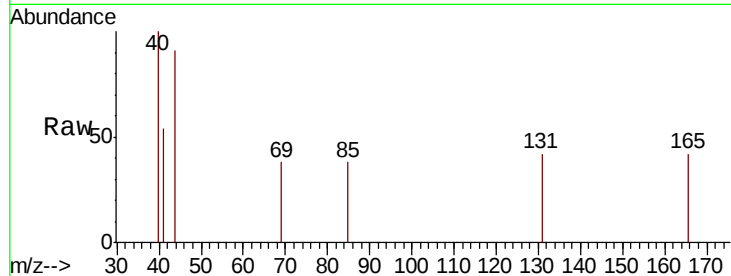
Tot Ion: 69 Resp: 64

Ion Ratio Lower Upper

69 100

41 345.3 46.9 70.3#

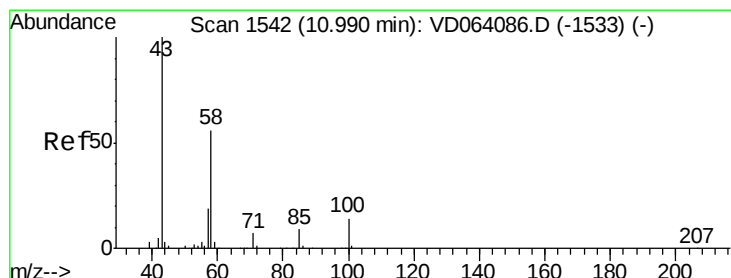
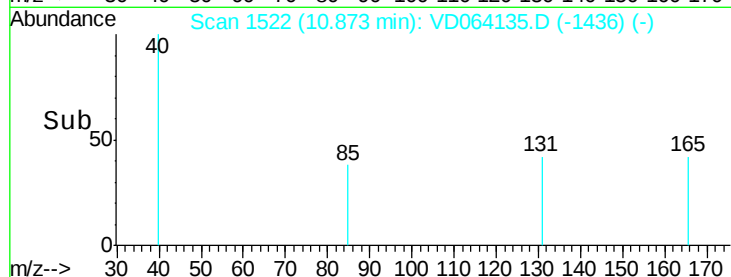
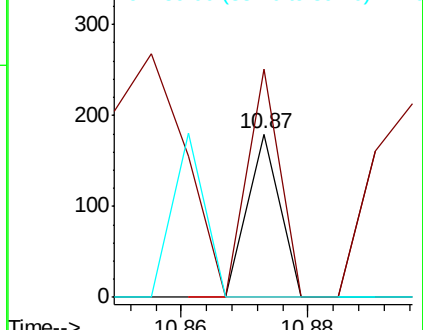
39 100.0 27.3 40.9#



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: 9.088 ug/l

RT: 10.97 min Scan# 1539

Delta R.T. -0.02 min

Lab File: VD064135.D

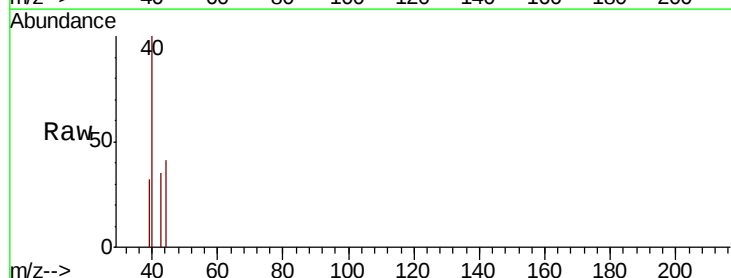
Acq: 31 Oct 2019 16:22

Tgt Ion: 43 Resp: 69

Ion Ratio Lower Upper

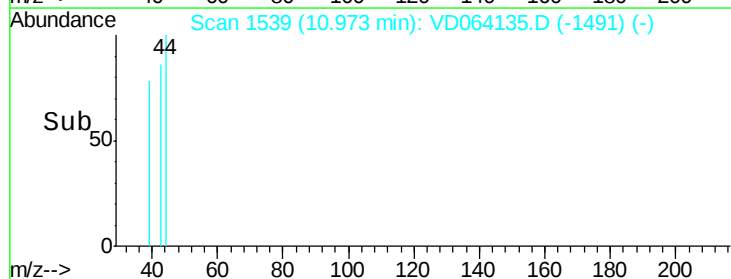
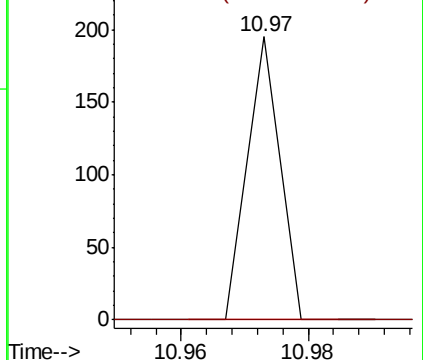
43 100

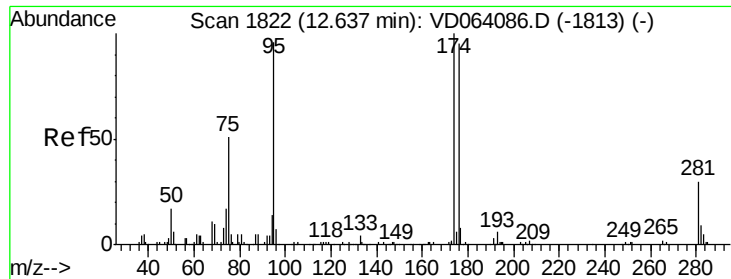
58 0.0 29.2 87.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

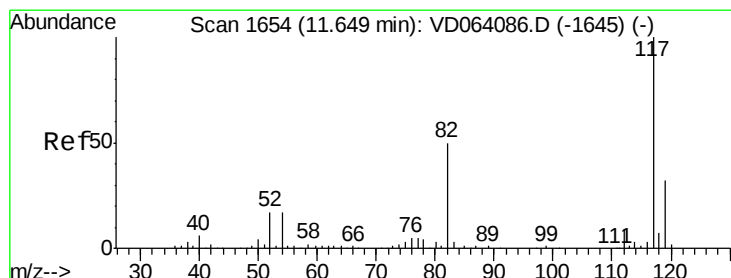
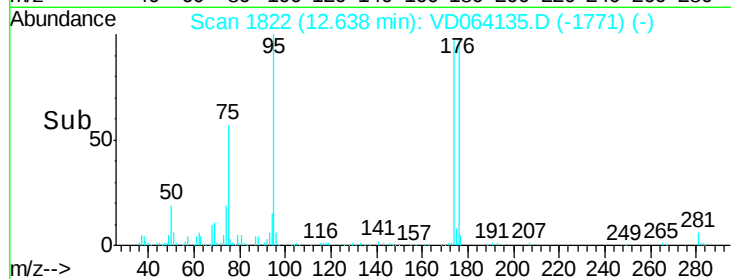
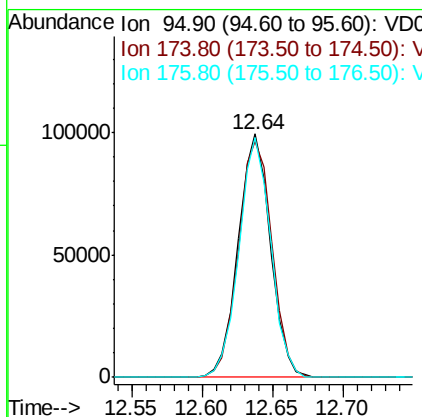
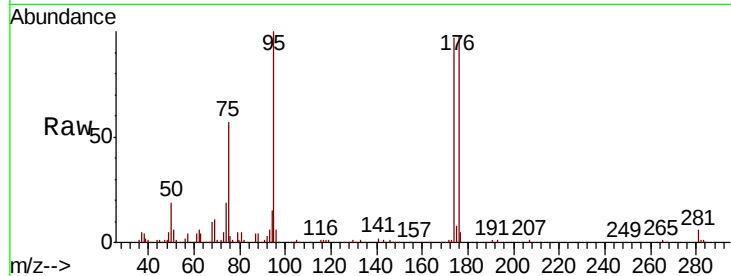




#62
4-Bromofluorobenzene
Concen: 53.514 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064135.D
Acq: 31 Oct 2019 16:22

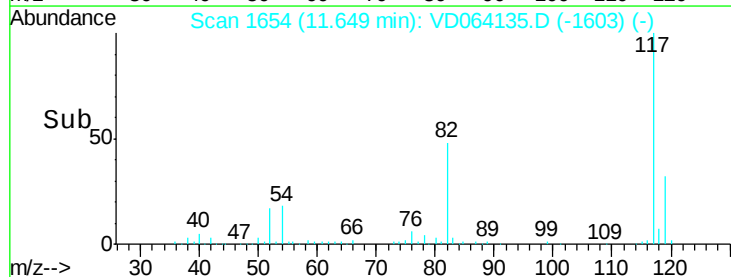
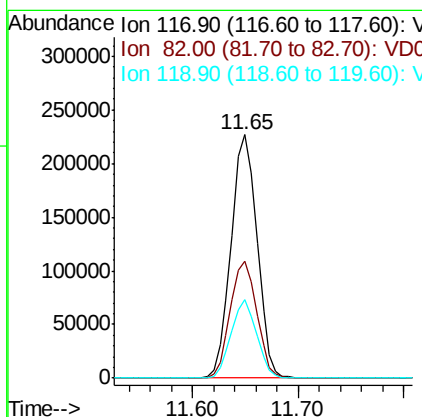
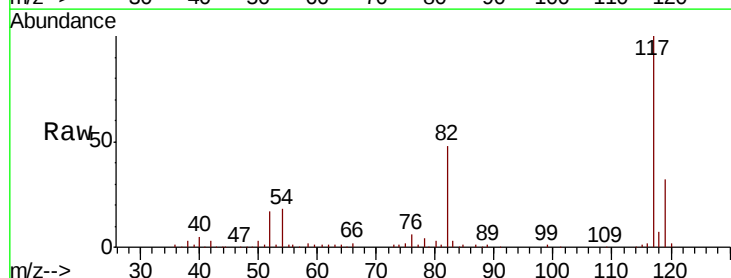
Instrument :
MSVOA_D
ClientSampled :

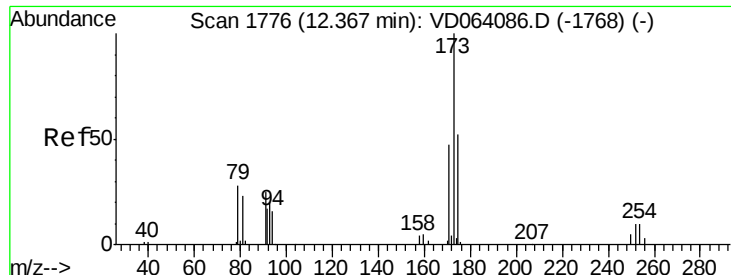
Tot Ion: 95 Resp: 158463
Ion Ratio Lower Upper
95 100
174 101.4 0.0 201.6
176 97.1 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064135.D
Acq: 31 Oct 2019 16:22

Tgt Ion: 117 Resp: 385736
Ion Ratio Lower Upper
117 100
82 47.9 40.2 60.4
119 32.2 26.0 39.0





#71

Bromoform

Concen: 1.032 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

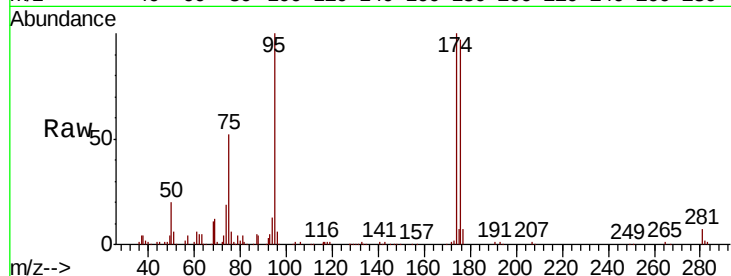
Tot Ion:173 Resp: 1643

Ion Ratio Lower Upper

173 100

175 601.5 24.3 72.9#

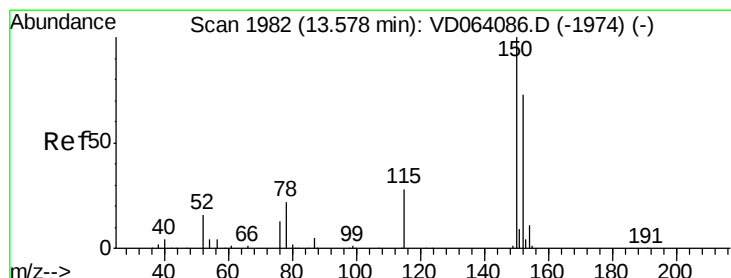
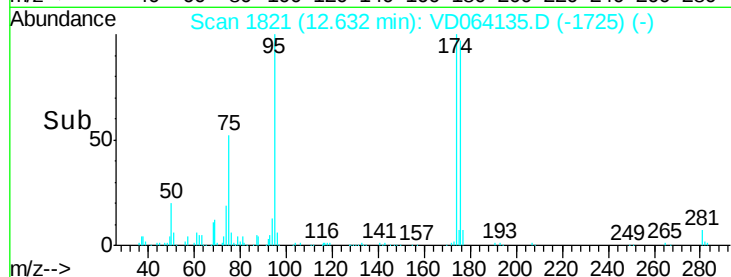
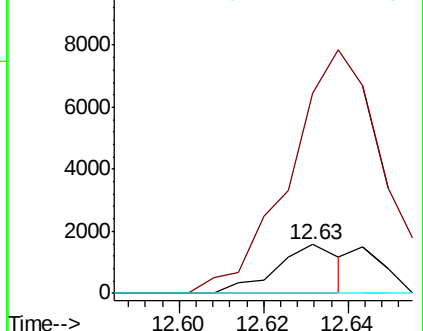
254 0.0 0.0 0.0



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: VD064135.D

Acq: 31 Oct 2019 16:22

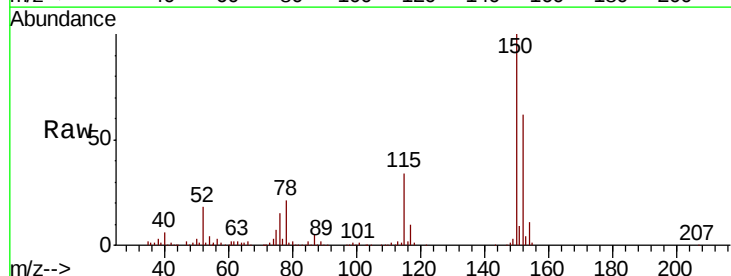
Tgt Ion:152 Resp: 199249

Ion Ratio Lower Upper

152 100

115 54.9 26.2 78.6

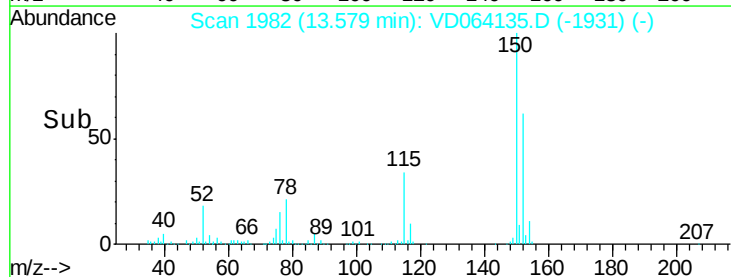
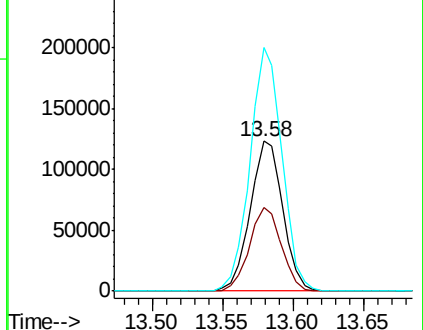
150 160.1 0.0 338.8

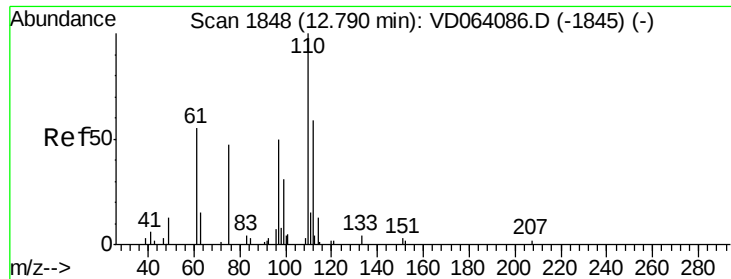


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.407 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Instrument :

MSVOA_D

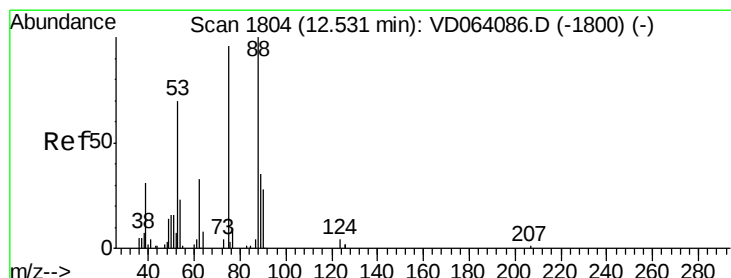
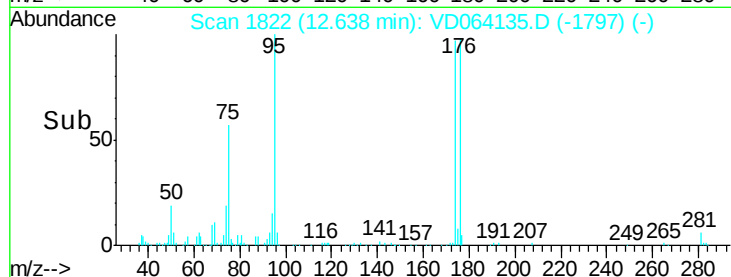
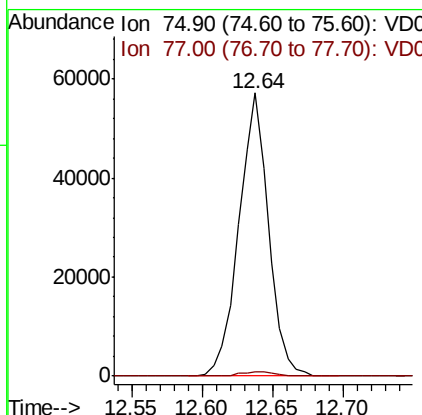
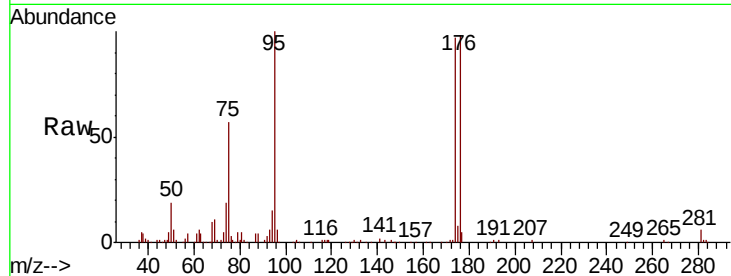
ClientSampleId :

Tot Ion: 75 Resp: 83553

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.451 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064135.D

Acq: 31 Oct 2019 16:22

Tgt Ion: 75 Resp: 83553

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.9 55.3#

