

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064127.D
 Acq On : 31 Oct 2019 12:27
 Operator : VA/SY
 Sample : VD1031SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:03:02 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	241790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	396540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	415580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	109247	56.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.62%	
35) Dibromofluoromethane	7.92	113	122563	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.34	98	490469	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.64	95	173284	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	

Target Compounds

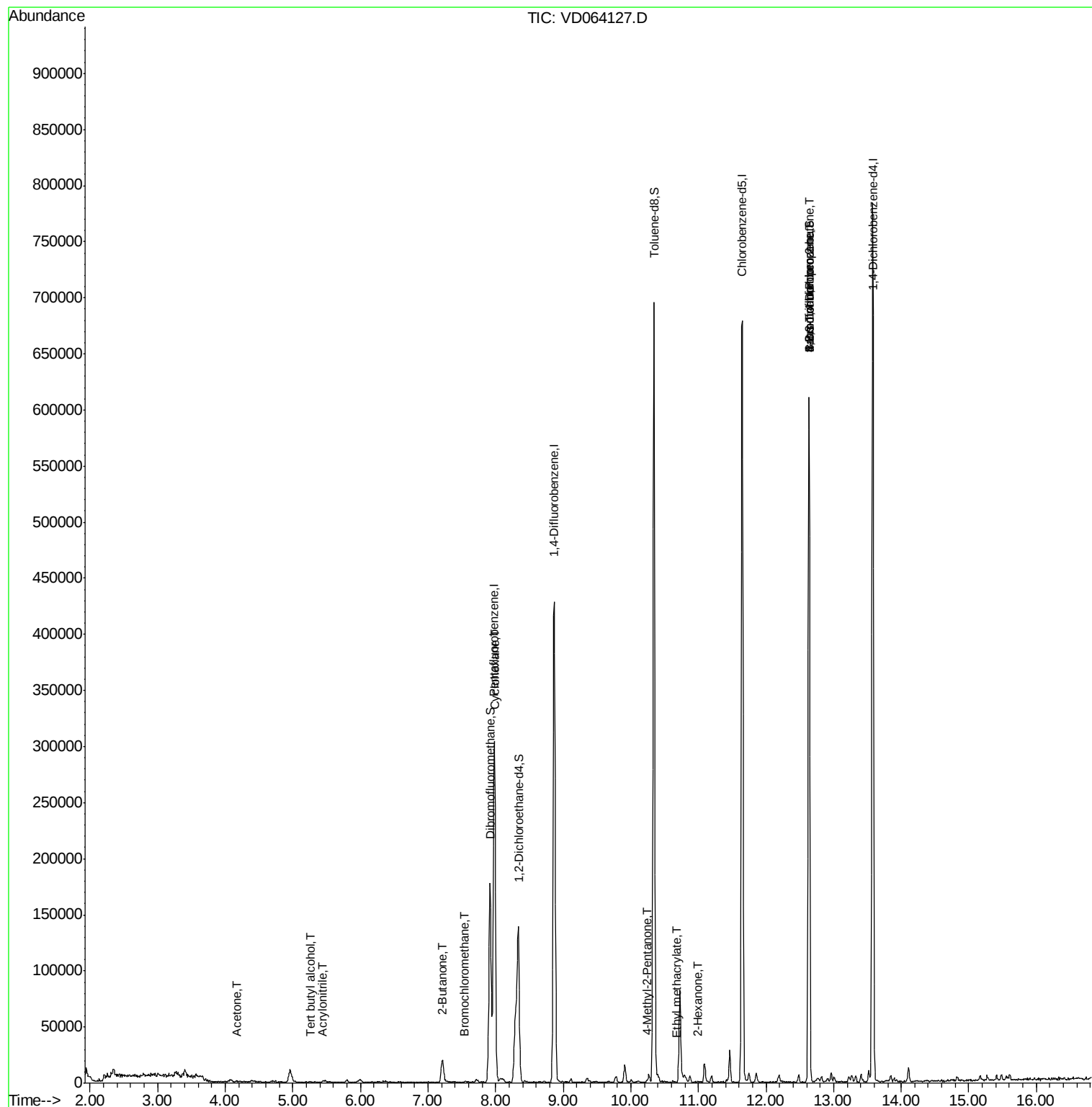
					Qvalue	
11) Tert butyl alcohol	5.26	59	152	7.530	ug/l #	71
15) Acrylonitrile	5.44	53	545	1.380	ug/l #	25
16) Acetone	4.17	43	1162	3.176	ug/l #	55
20) Methylene Chloride	4.97	84	8168	Below Cal	#	77
25) 2-Butanone	7.22	43	1293	2.556	ug/l	92
28) Bromochloromethane	7.54	49	125	2.334	ug/l #	95
31) Cyclohexane	7.99	56	5278	1.476	ug/l #	43
51) 4-Methyl-2-Pentanone	10.23	43	1617	1.285	ug/l #	34
56) Ethyl methacrylate	10.67	69	62	3.043	ug/l #	1
59) 2-Hexanone	11.00	43	907	9.900	ug/l	65
71) Bromoform	12.63	173	1955	1.139	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	91393	63.081	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91393	128.828	ug/l #	15

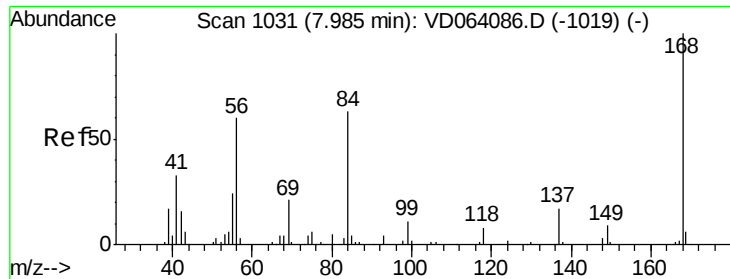
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Nov 01 06:03:02 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: VD064127.D

Acq: 31 Oct 2019 12:27

Instrument :

MSVOA_D

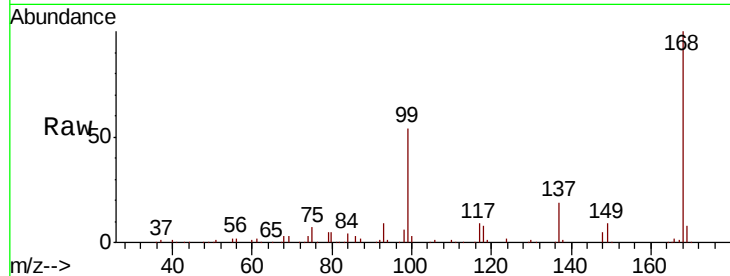
ClientSampled :

Tot Ion:168 Resp: 241790

Ion Ratio Lower Upper

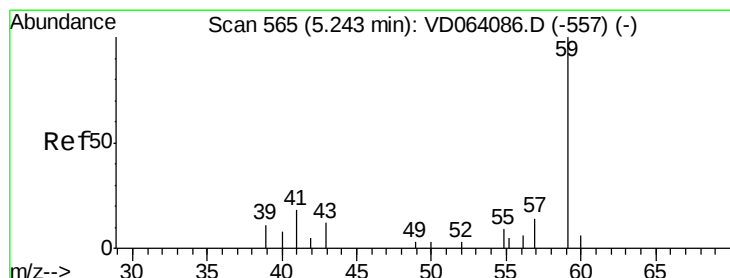
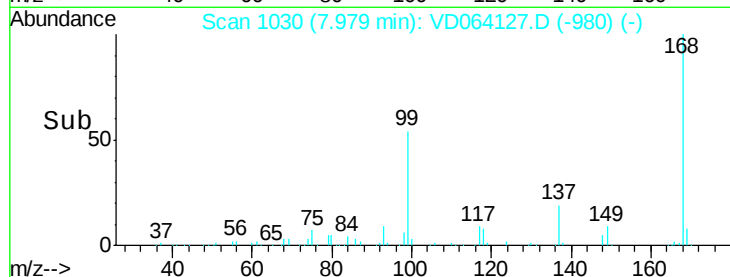
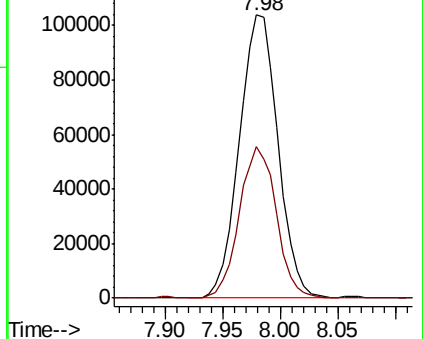
168 100

99 53.6 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: 7.530 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD064127.D

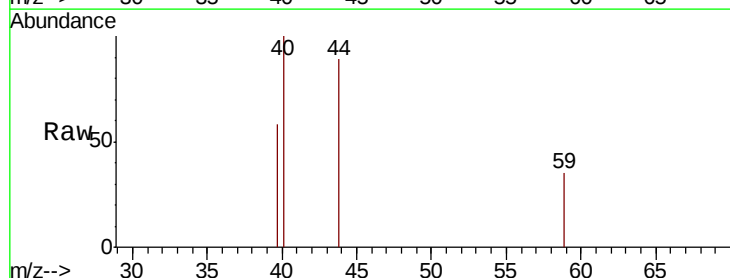
Acq: 31 Oct 2019 12:27

Tgt Ion: 59 Resp: 152

Ion Ratio Lower Upper

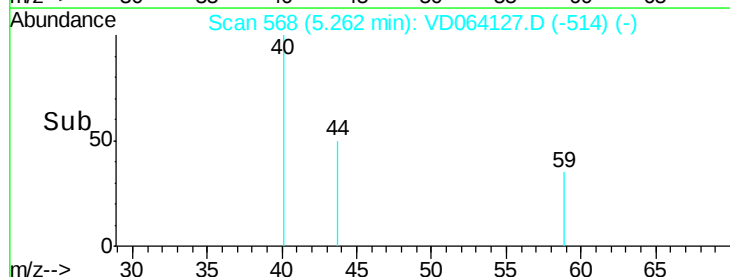
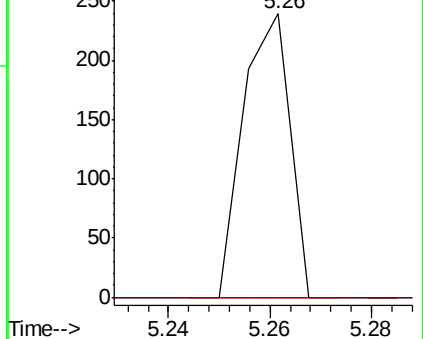
59 100

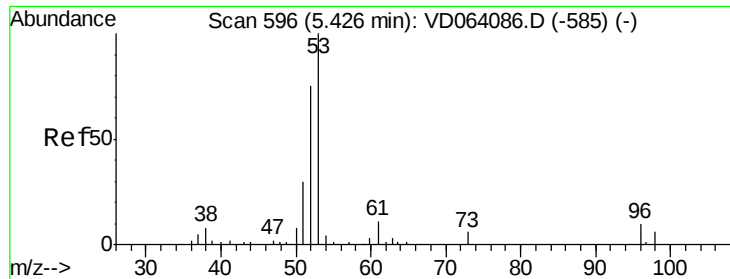
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#15

Acrylonitrile

Concen: 1.380 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

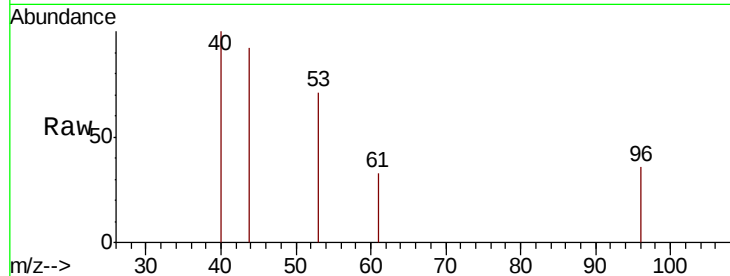
Lab File: VD064127.D

Acq: 31 Oct 2019 12:27

Instrument :

MSVOA_D

ClientSampled :



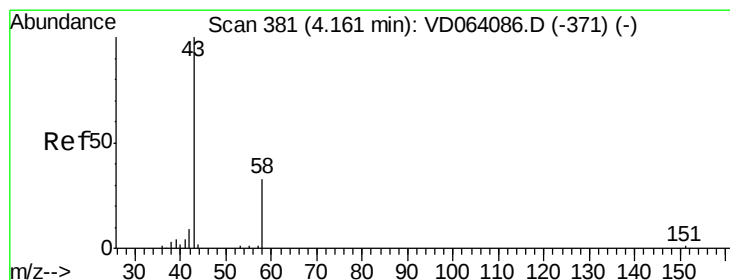
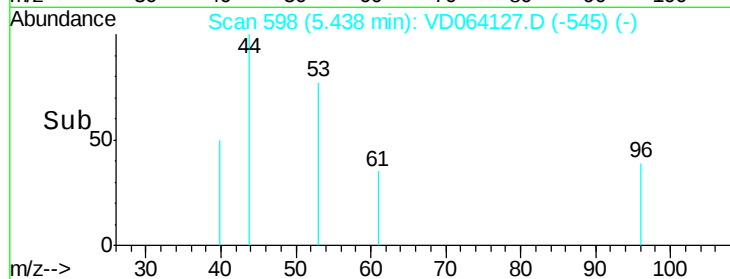
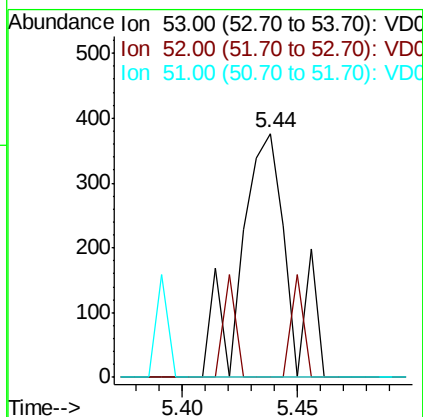
Tot Ion: 53 Resp: 545

Ion Ratio Lower Upper

53 100

52 10.3 66.2 99.4#

51 0.0 29.0 43.6#



#16

Acetone

Concen: 3.176 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064127.D

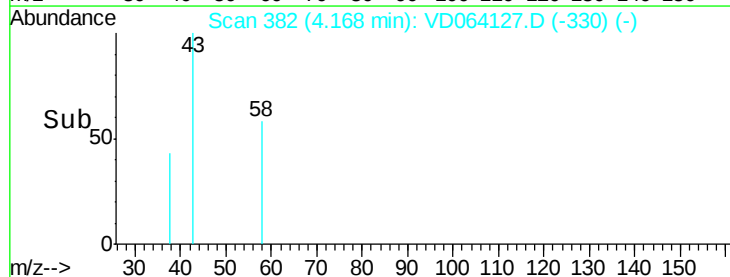
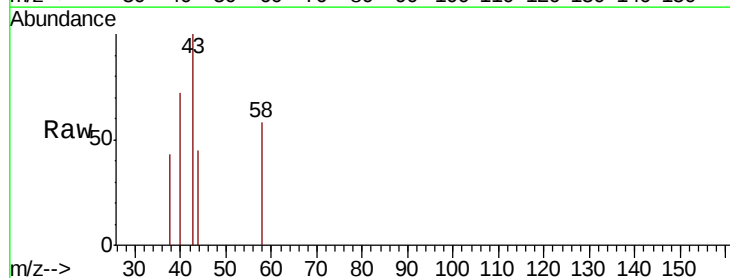
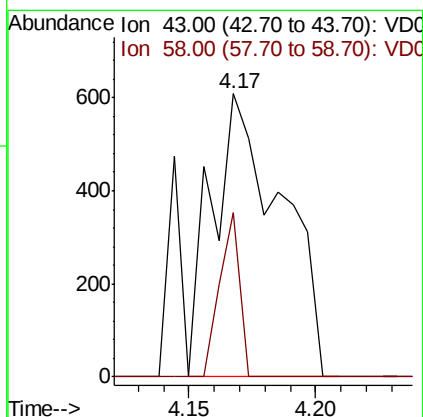
Acq: 31 Oct 2019 12:27

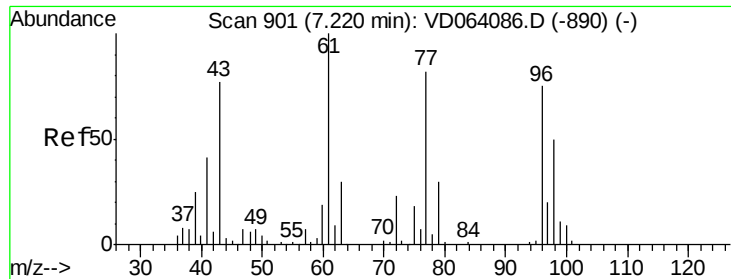
Tgt Ion: 43 Resp: 1162

Ion Ratio Lower Upper

43 100

58 58.1 26.3 39.5#





#25

2-Butanone

Concen: 2.556 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064127.D

Acq: 31 Oct 2019 12:27

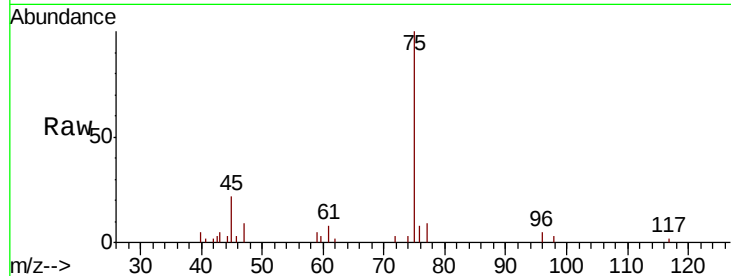
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1293

Ion Ratio Lower Upper

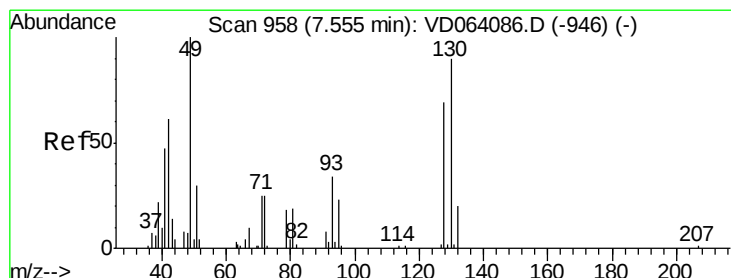
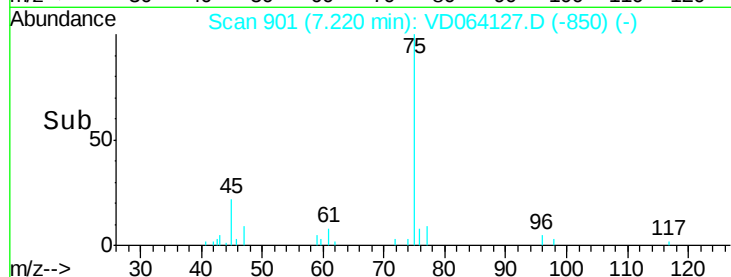
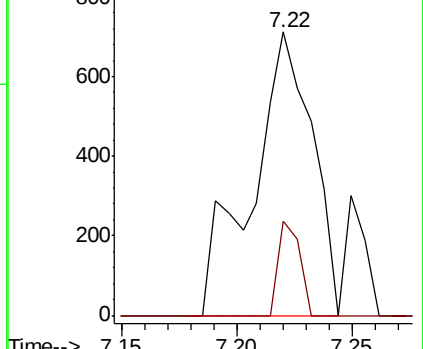
43 100

72 33.4 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#28

Bromochloromethane

Concen: 2.334 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD064127.D

Acq: 31 Oct 2019 12:27

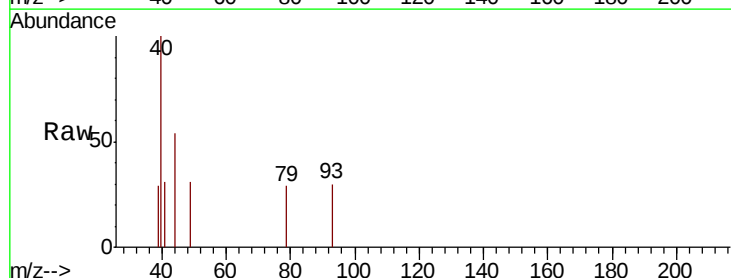
Tgt Ion: 49 Resp: 125

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

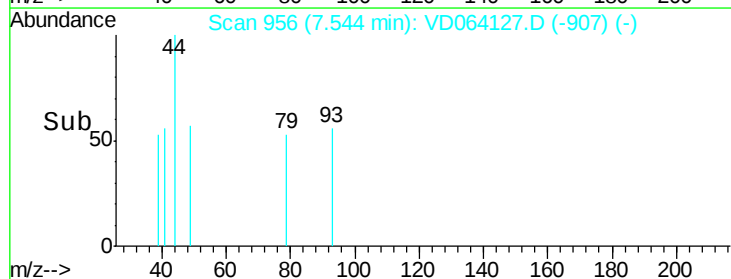
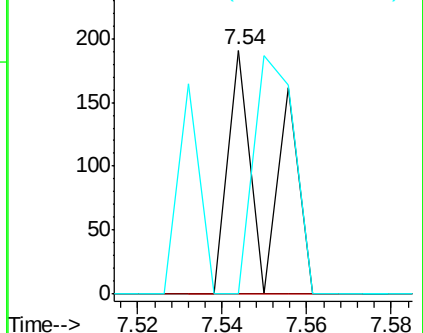
130 99.2 75.3 112.9

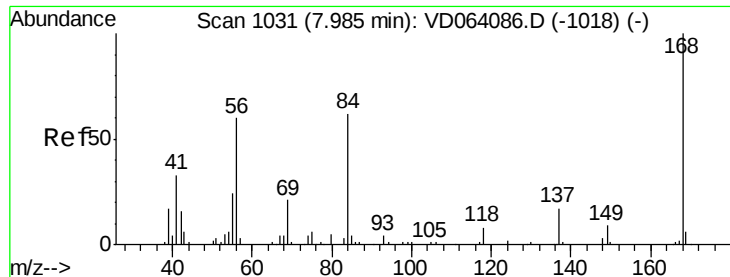


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

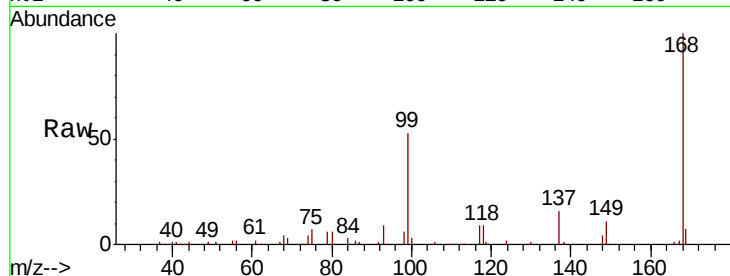




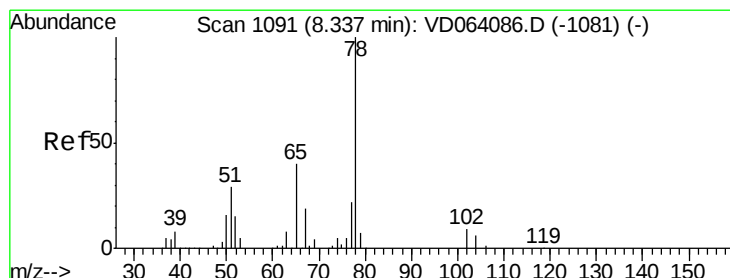
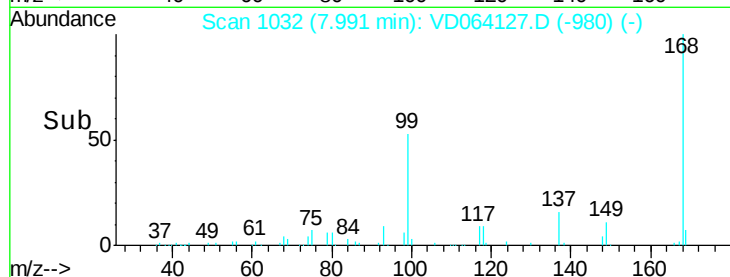
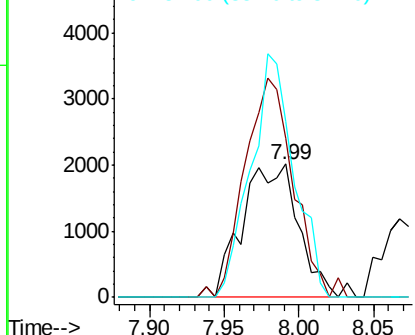
#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064127.D
Acq: 31 Oct 2019 12:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 5278
Ion Ratio Lower Upper
56 100
69 119.2 27.7 41.5#
84 131.8 83.1 124.7#

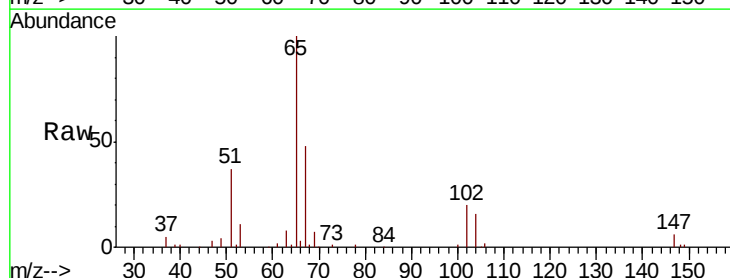


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

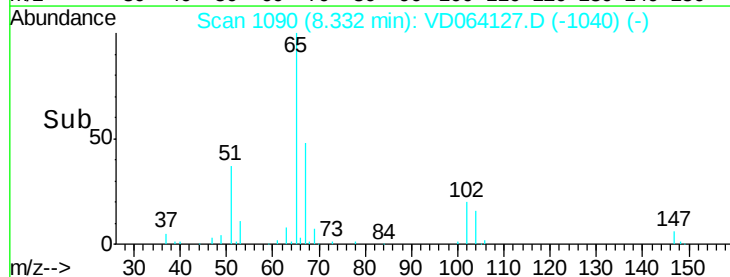
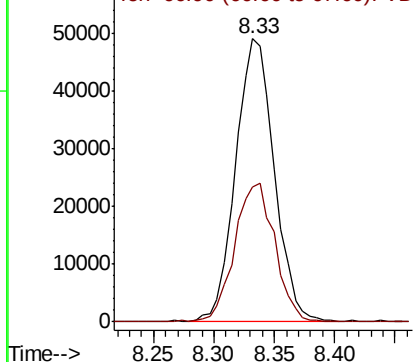


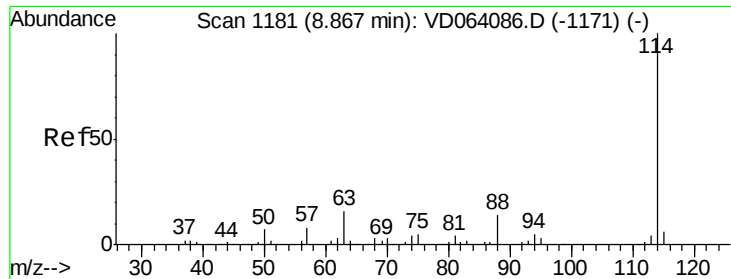
#33
1,2-Dichloroethane-d4
Concen: 56.811 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064127.D
Acq: 31 Oct 2019 12:27

Tgt Ion: 65 Resp: 109247
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.6



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

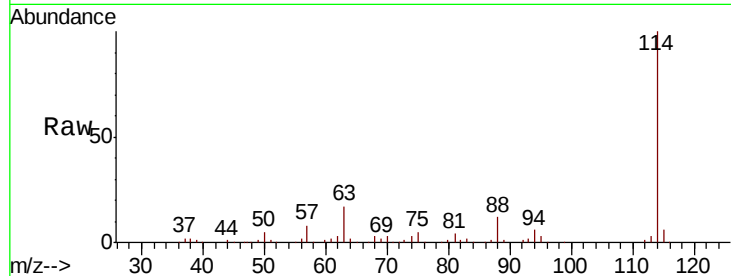




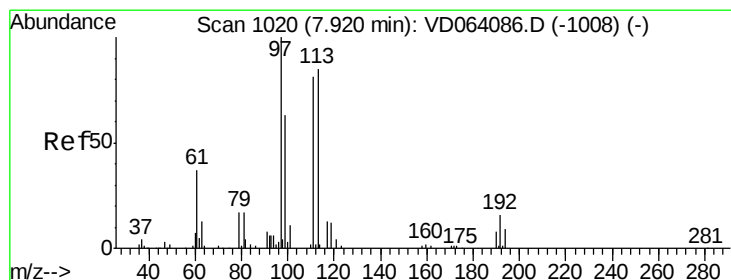
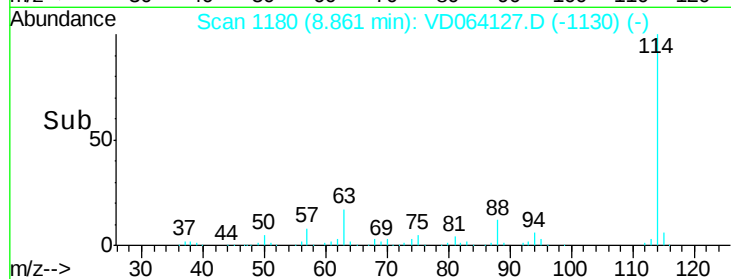
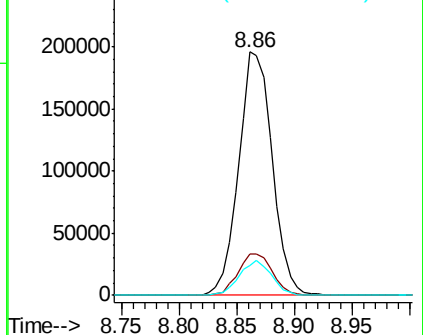
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064127.D
 Acq: 31 Oct 2019 12:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 396540
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 32.8
 88 12.3 0.0 27.6

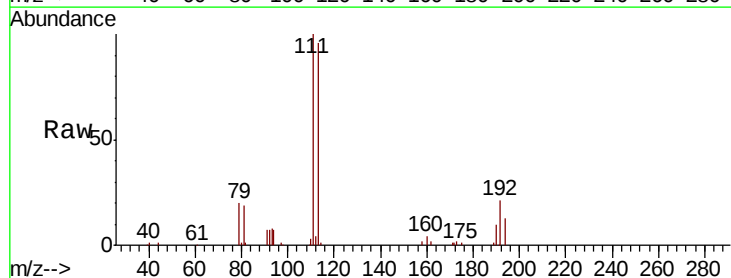


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

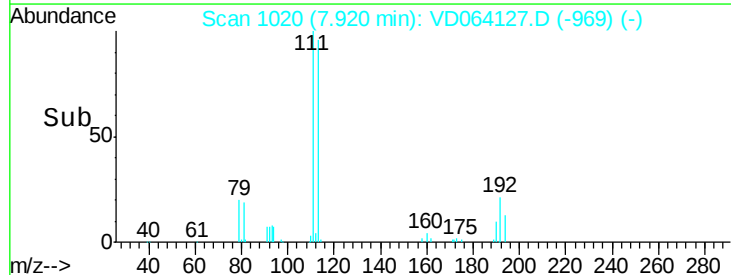
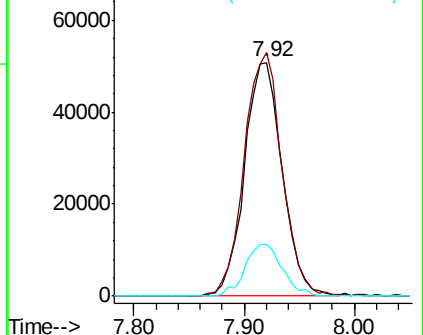


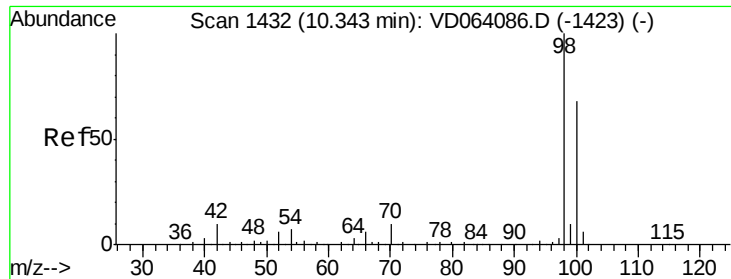
#35
 Dibromofluoromethane
 Concen: 50.238 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064127.D
 Acq: 31 Oct 2019 12:27

Tgt Ion:113 Resp: 122563
 Ion Ratio Lower Upper
 113 100
 111 104.0 79.3 118.9
 192 21.8 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

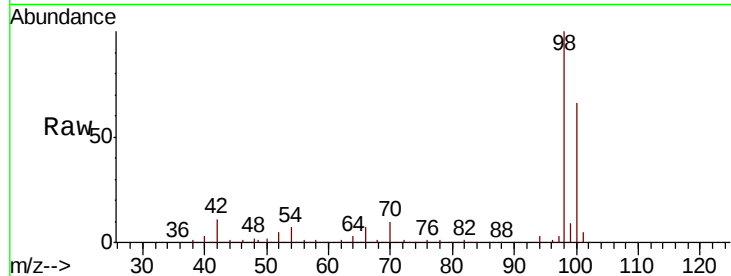




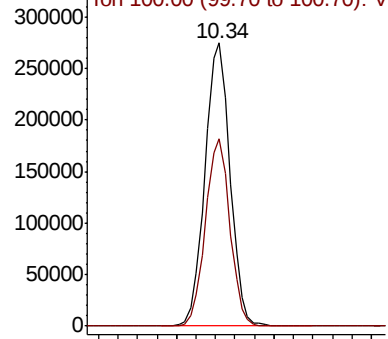
#50
Toluene-d8
Concen: 50.271 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064127.D
Acq: 31 Oct 2019 12:27

Instrument :
MSVOA_D
ClientSampled :

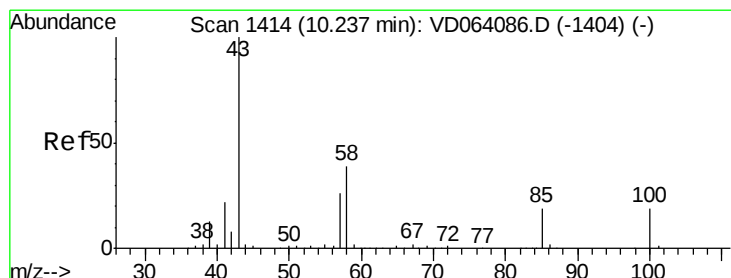
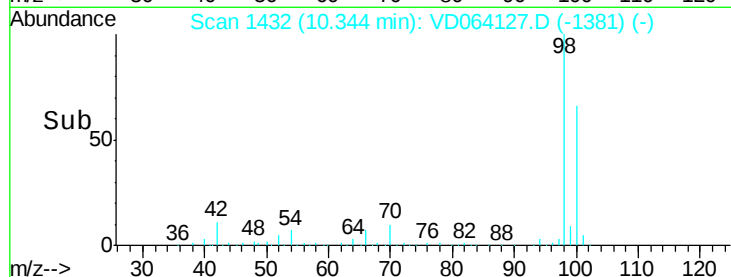
Tot Ion: 98 Resp: 490469
Ion Ratio Lower Upper
98 100
100 64.6 53.4 80.0



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

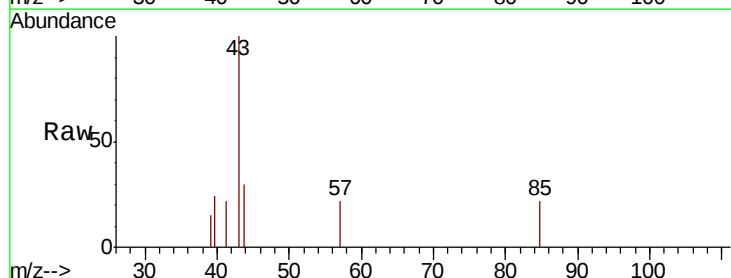


Time-->

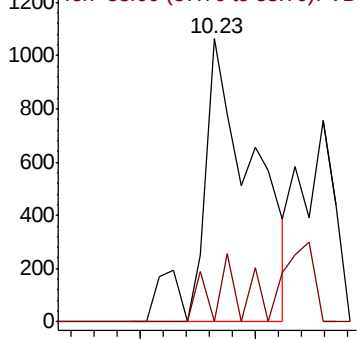


#51
4-Methyl-2-Pentanone
Concen: 1.285 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064127.D
Acq: 31 Oct 2019 12:27

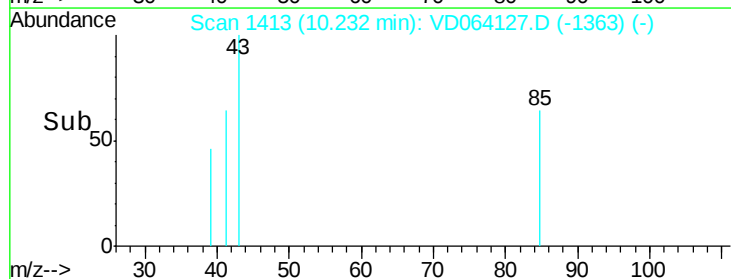
Tgt Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
58 0.0 33.0 49.4#

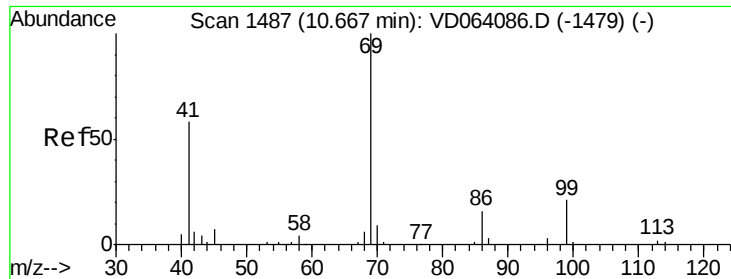


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



Time-->





#56

Ethyl methacrylate

Concen: 3.043 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD064127.D

Acq: 31 Oct 2019 12:27

Instrument :

MSVOA_D

ClientSampled :

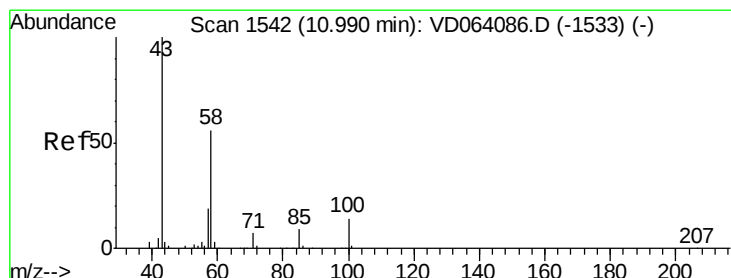
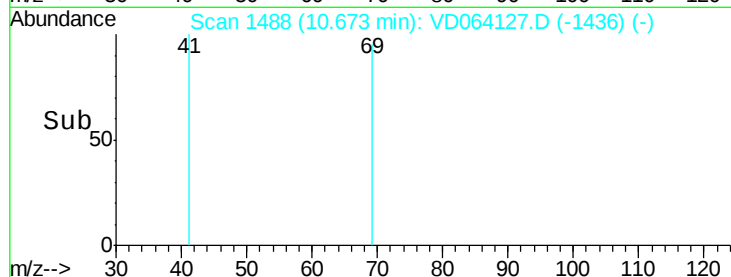
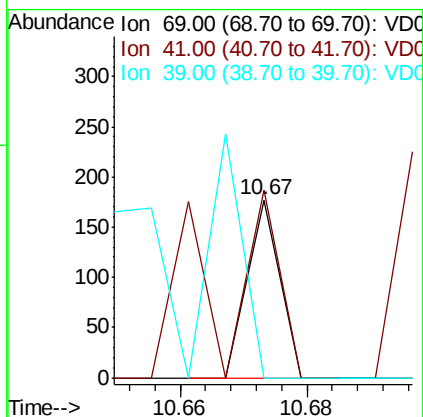
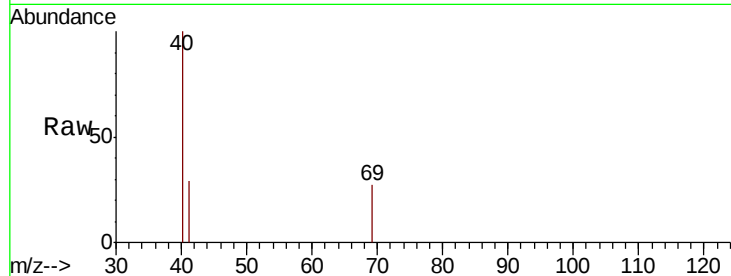
Tot Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 206.5 46.9 70.3#

39 190.3 27.3 40.9#



#59

2-Hexanone

Concen: 9.900 ug/l

RT: 11.00 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VD064127.D

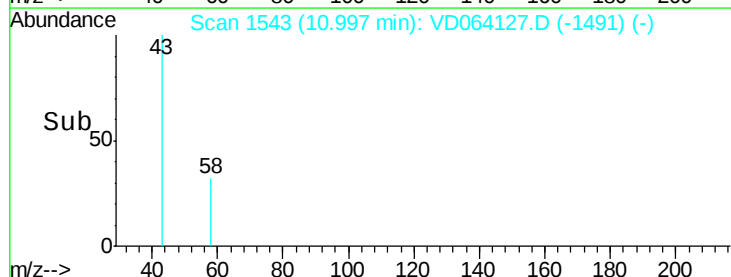
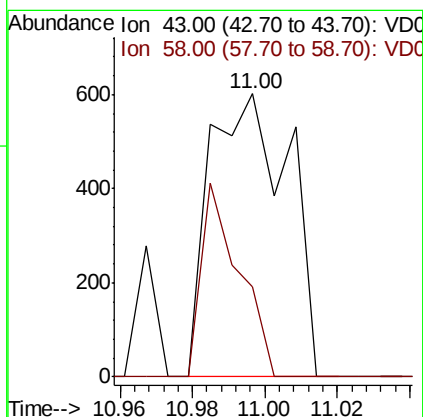
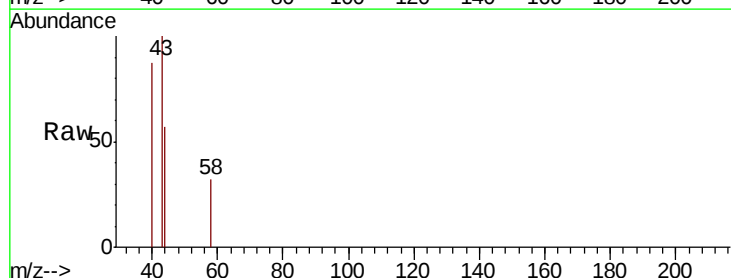
Acq: 31 Oct 2019 12:27

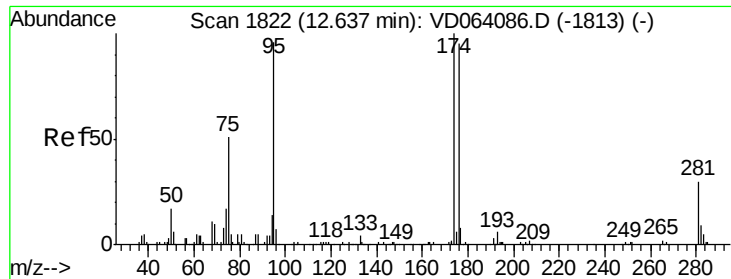
Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

58 32.6 29.2 87.6

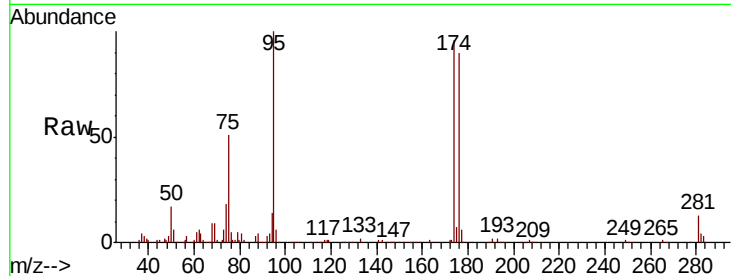




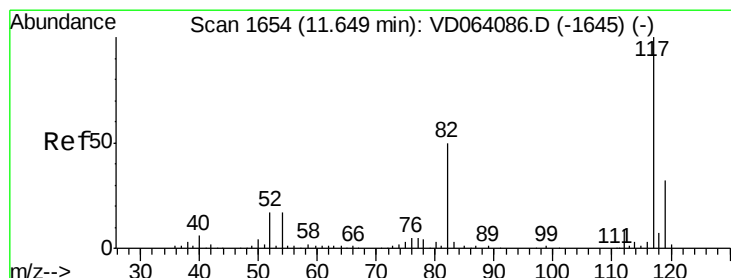
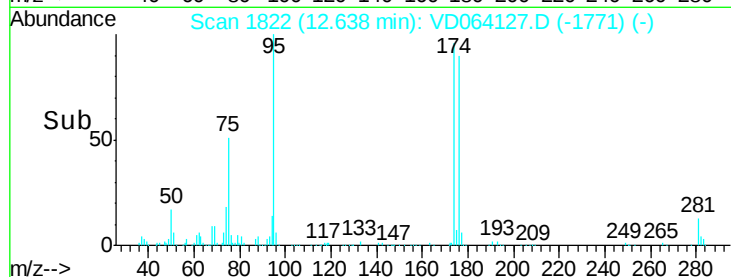
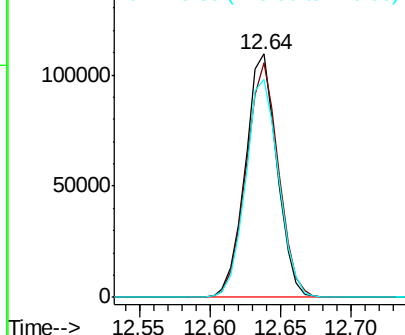
#62
4-Bromofluorobenzene
Concen: 53.573 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064127.D
Acq: 31 Oct 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 173284
Ion Ratio Lower Upper
95 100
174 98.3 0.0 201.6
176 93.1 0.0 192.6

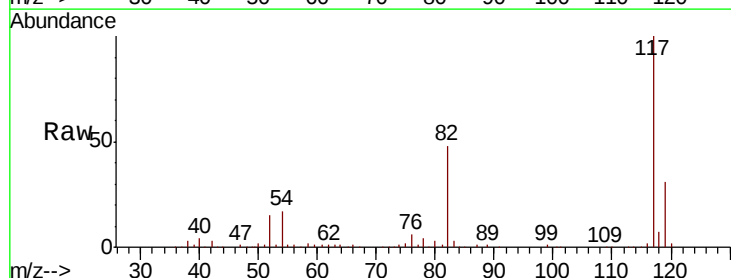


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

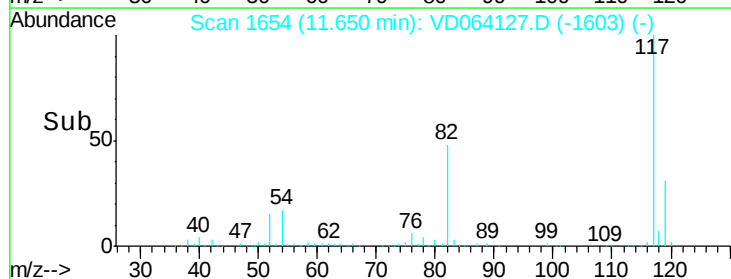
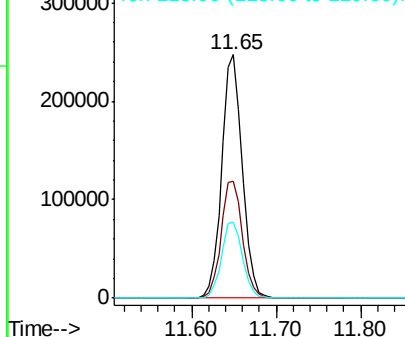


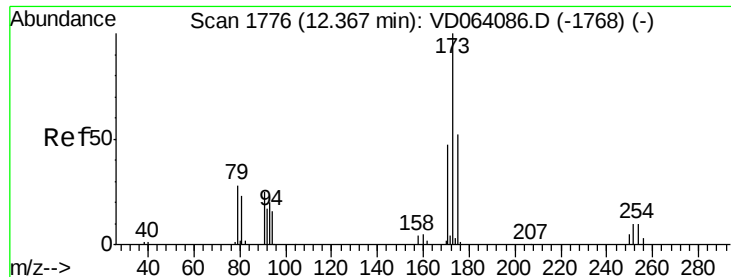
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064127.D
Acq: 31 Oct 2019 12:27

Tgt Ion: 117 Resp: 415580
Ion Ratio Lower Upper
117 100
82 47.8 40.2 60.4
119 31.1 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





#71

Bromoform

Concen: 1.139 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD064127.D

Acq: 31 Oct 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

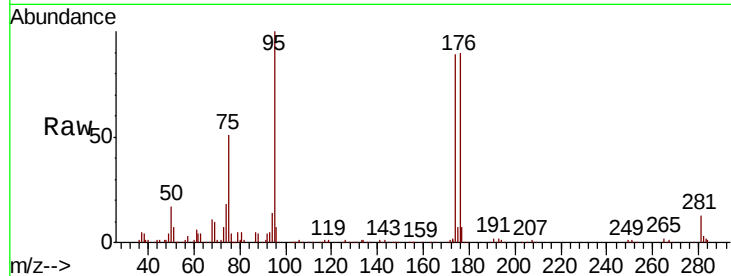
Tot Ion:173 Resp: 1955

Ion Ratio Lower Upper

173 100

175 528.8 24.3 72.9#

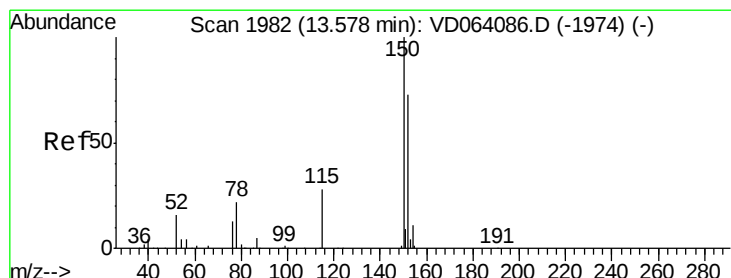
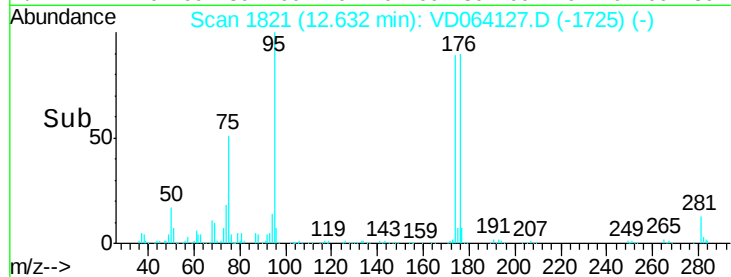
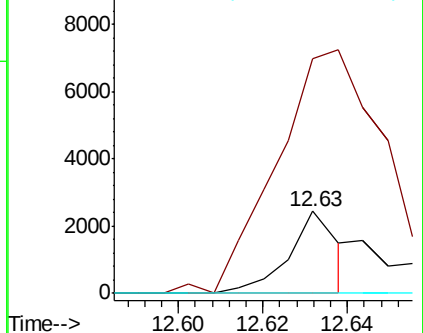
254 0.0 0.0 0.0



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: VD064127.D

Acq: 31 Oct 2019 12:27

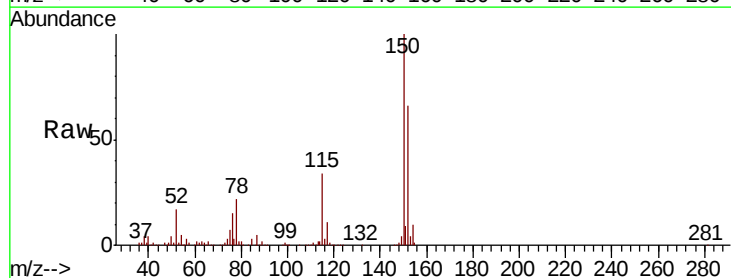
Tgt Ion:152 Resp: 215615

Ion Ratio Lower Upper

152 100

115 54.1 26.2 78.6

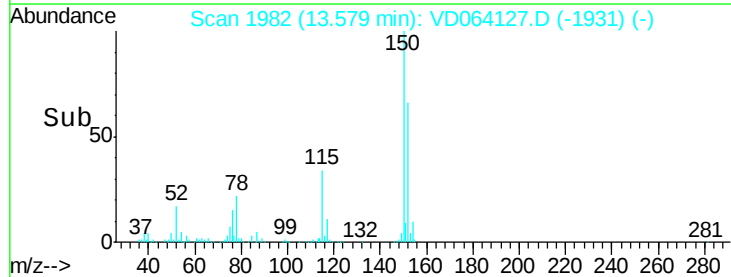
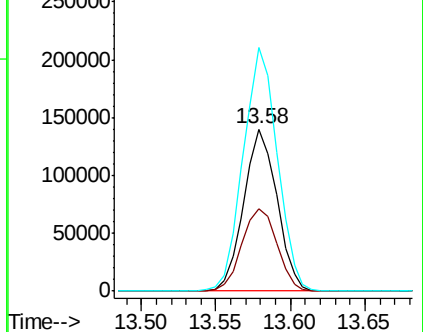
150 154.5 0.0 338.8

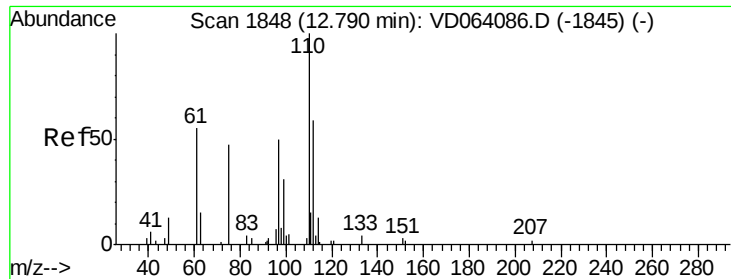


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.081 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064127.D

Acq: 31 Oct 2019 12:27

Instrument :

MSVOA_D

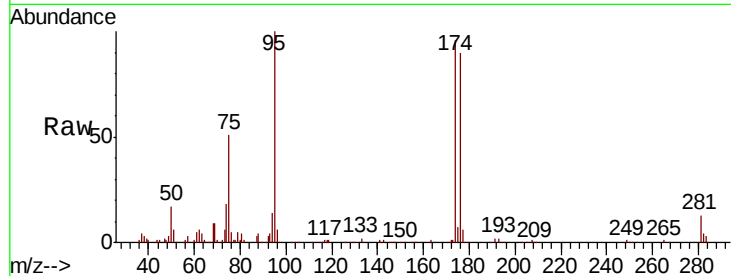
ClientSampleId :

Tot Ion: 75 Resp: 91393

Ion Ratio Lower Upper

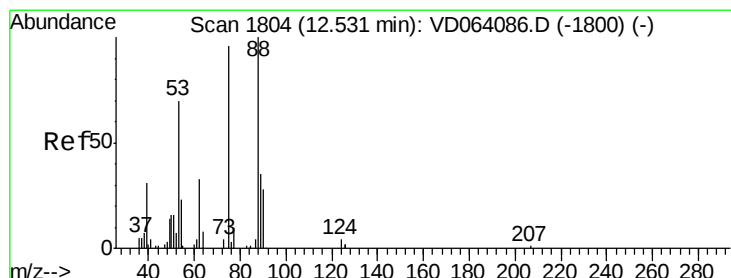
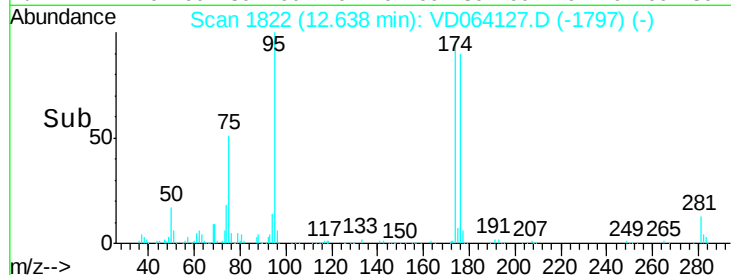
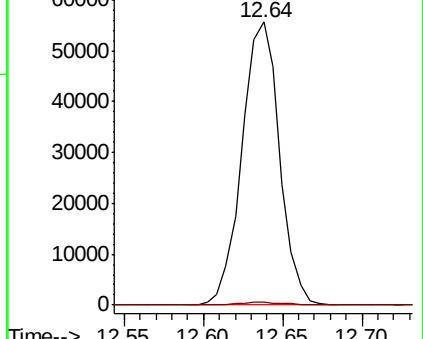
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.828 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064127.D

Acq: 31 Oct 2019 12:27

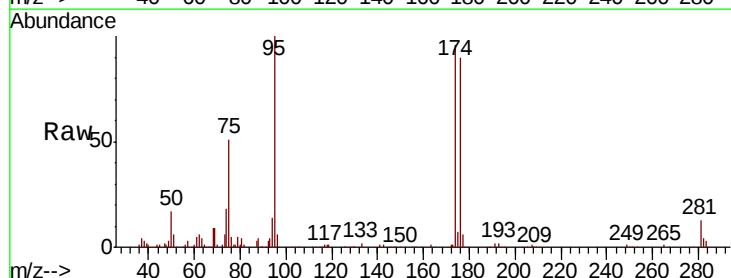
Tgt Ion: 75 Resp: 91393

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

