

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063694.D
 Acq On : 20 Aug 2019 19:34
 Operator : JC/SY
 Sample : K4388-11
 Misc : 8.62g/5ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-D-(0)

Quant Time: Aug 21 03:52:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	60190	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	133442	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	149766	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	68084	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	148228	230.39	ug/l	-0.02
Spiked Amount			Recovery	=	460.78%	
35) Dibromofluoromethane	6.91	113	105481	93.86	ug/l	-0.02
Spiked Amount			Recovery	=	187.72%	
50) Toluene-d8	10.40	98	130519	52.82	ug/l	-0.02
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	13.55	95	72173	64.45	ug/l	-0.01
Spiked Amount			Recovery	=	128.90%	

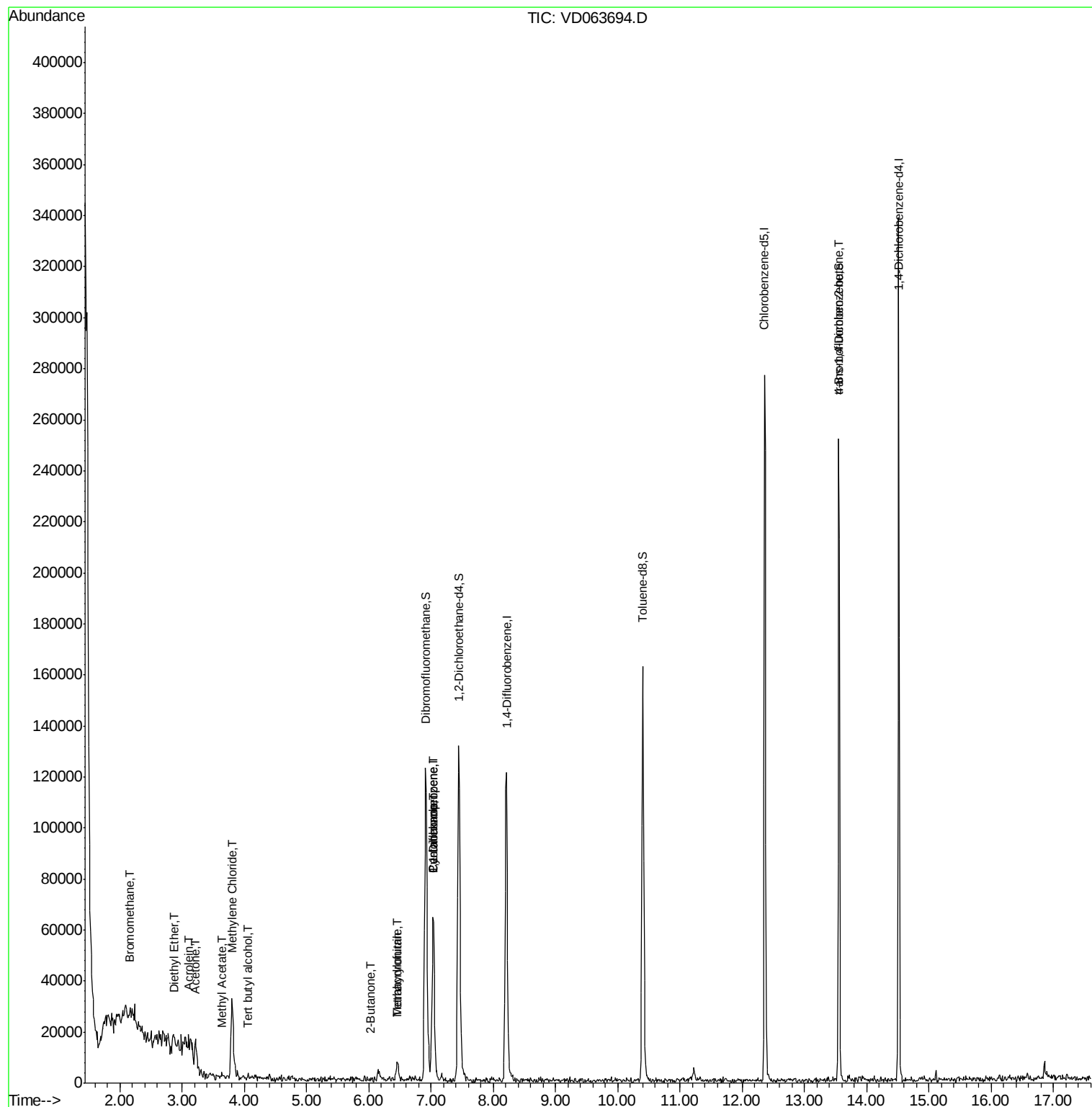
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	3119	11.703	ug/l #	11
8) Diethyl Ether	2.88	74	1404	8.976	ug/l	71
11) Tert butyl alcohol	4.06	59	360	12.854	ug/l #	71
13) Acrolein	3.11	56	424	15.380	ug/l #	18
16) Acetone	3.21	43	25250	193.061	ug/l #	87
18) Methyl Acetate	3.63	43	1529	6.172	ug/l #	57
20) Methylene Chloride	3.81	84	19328	34.176	ug/l #	85
25) 2-Butanone	6.04	43	379	2.934	ug/l #	58
29) Tetrahydrofuran	6.46	42	6380	105.997	ug/l #	87
31) Cyclohexane	7.02	56	622	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	4344	3.682	ug/l #	42
41) Methacrylonitrile	6.45	41	3847	6.181	ug/l #	86
81) trans-1,4-Dichloro-2-buten	13.55	75	31787	151.357	ug/l #	1

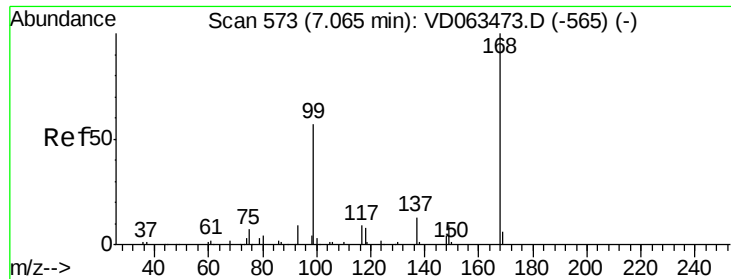
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
Data File : VD063694.D
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ClientSampleId :
T4-D-(0)

Quant Time: Aug 21 03:52:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampled :

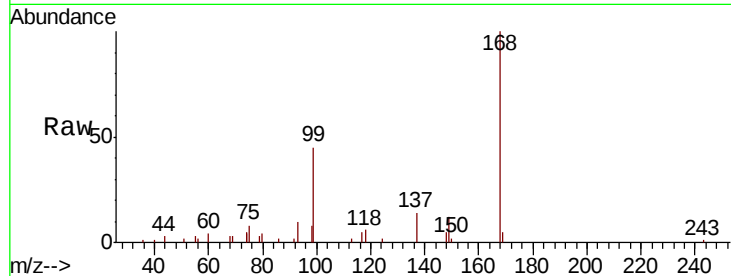
T4-D-(0)

Tgt Ion:168 Resp: 60190

Ion Ratio Lower Upper

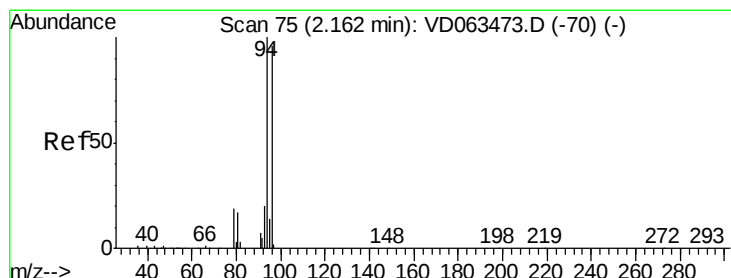
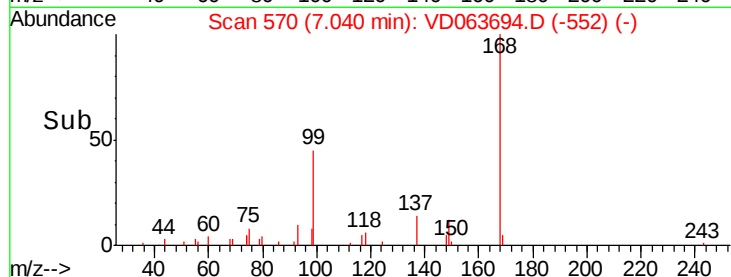
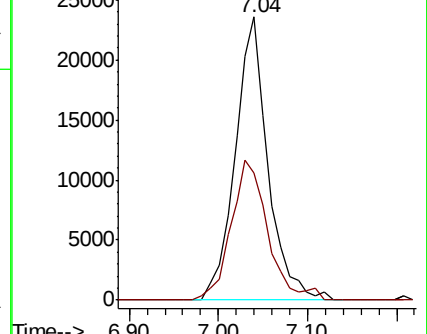
168 100

99 45.1 46.7 70.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 11.703 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

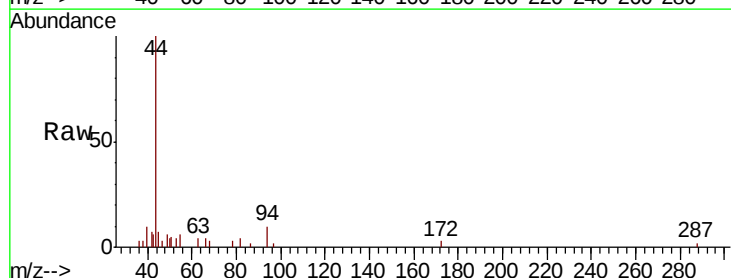
Tgt Ion: 94 Resp: 3119

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

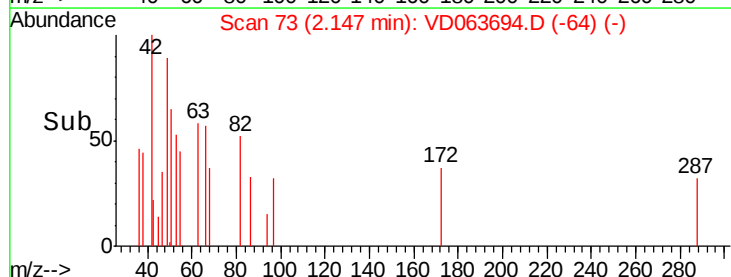
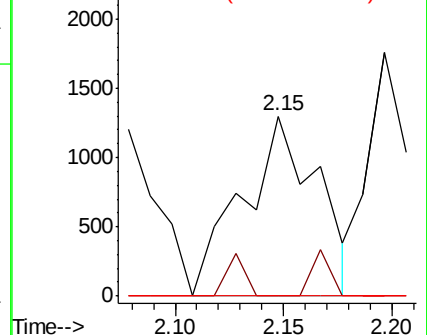
93 0.0 15.8 23.8#

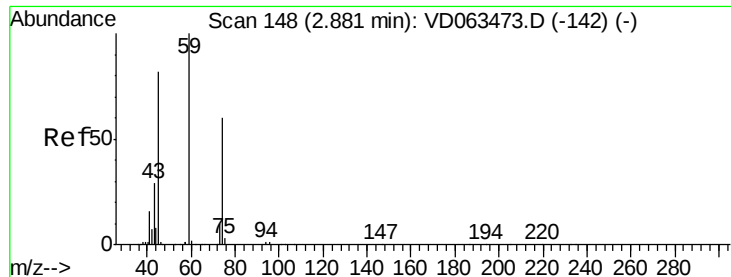


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 8.976 ug/l

RT: 2.88 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

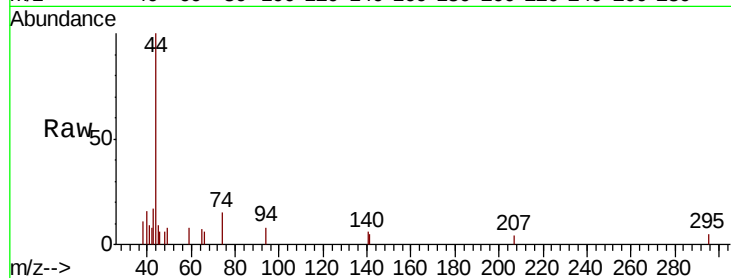
T4-D-(0)

Tgt Ion: 74 Resp: 1404

Ion Ratio Lower Upper

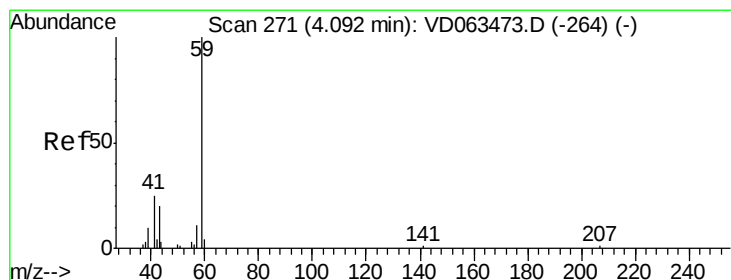
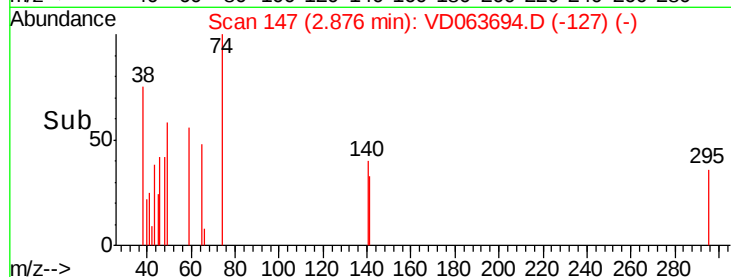
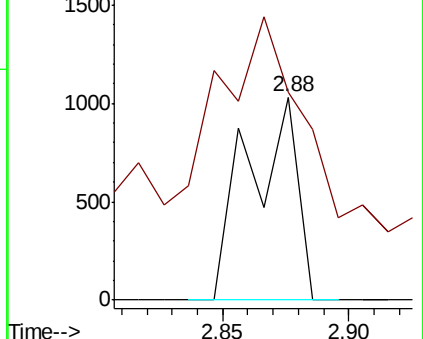
74 100

45 102.6 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 12.854 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.03 min

Lab File: VD063694.D

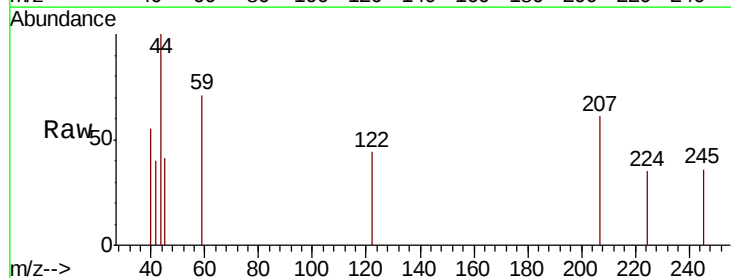
Acq: 20 Aug 2019 19:34

Tgt Ion: 59 Resp: 360

Ion Ratio Lower Upper

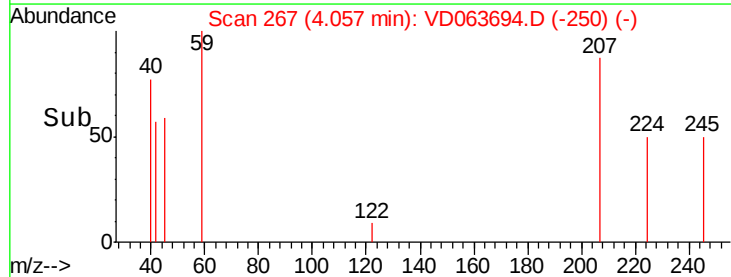
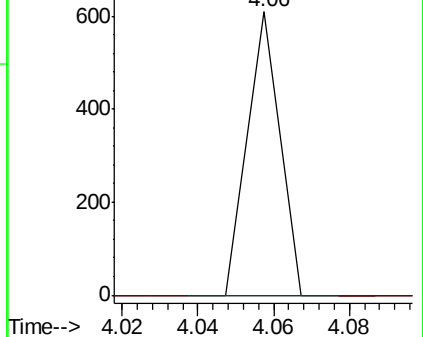
59 100

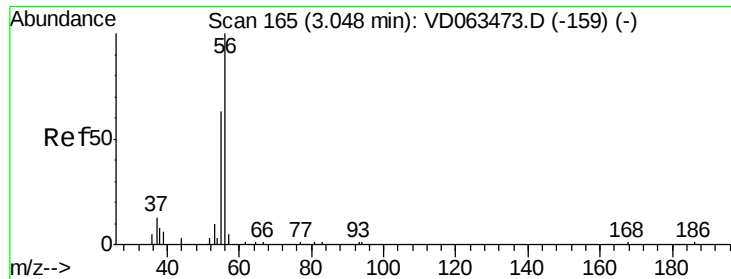
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 15.380 ug/l

RT: 3.11 min Scan# 171

Delta R.T. 0.06 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

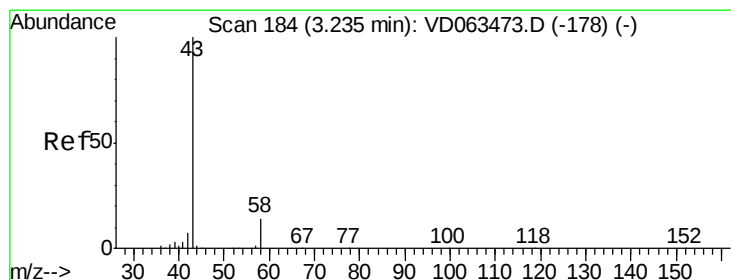
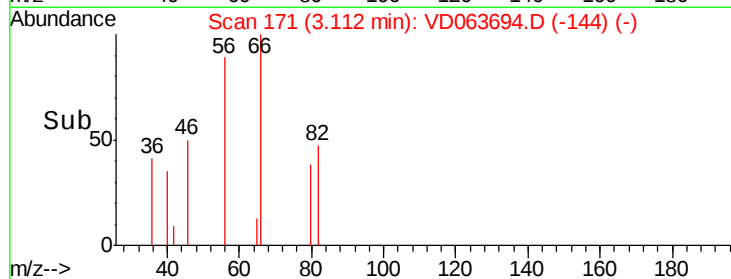
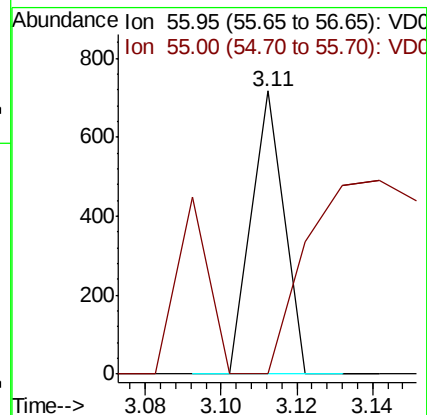
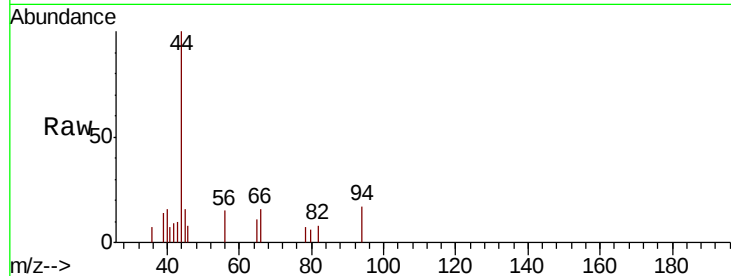
T4-D-(0)

Tgt Ion: 56 Resp: 424

Ion Ratio Lower Upper

56 100

55 0.0 51.3 76.9#



#16

Acetone

Concen: 193.061 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063694.D

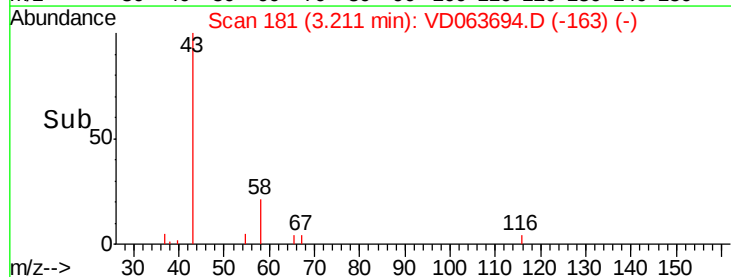
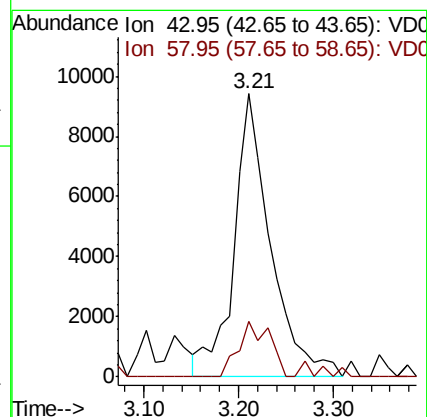
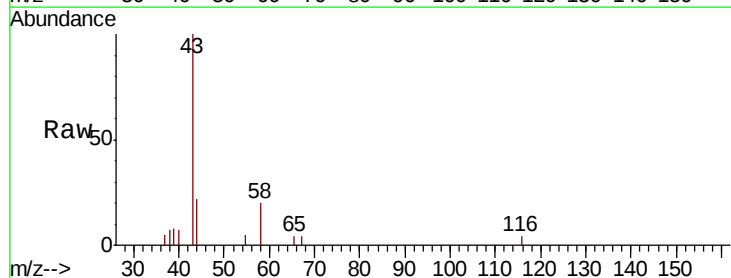
Acq: 20 Aug 2019 19:34

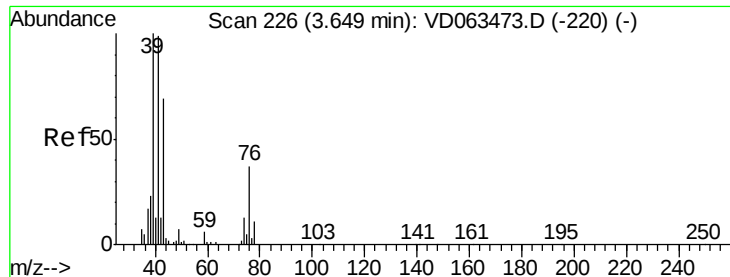
Tgt Ion: 43 Resp: 25250

Ion Ratio Lower Upper

43 100

58 19.8 11.4 17.2#

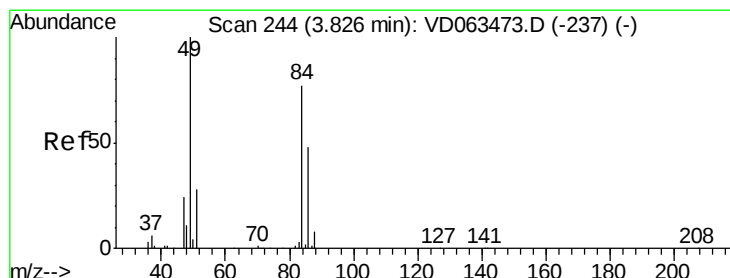
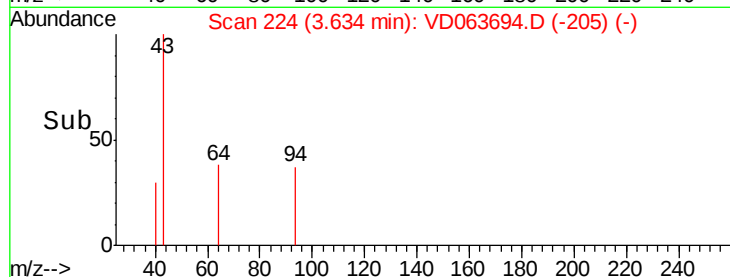
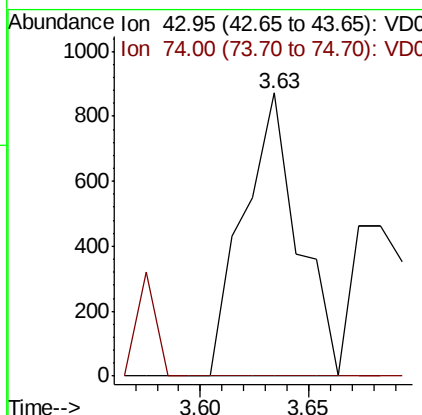
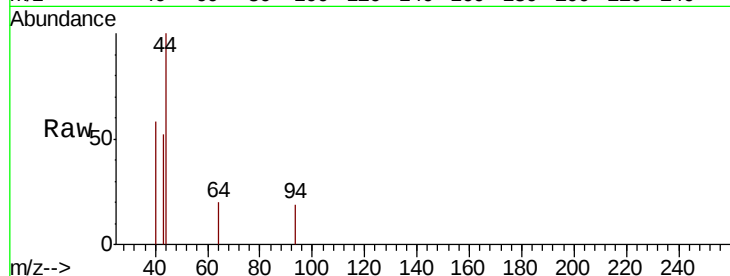




#18
Methyl Acetate
Concen: 6.172 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

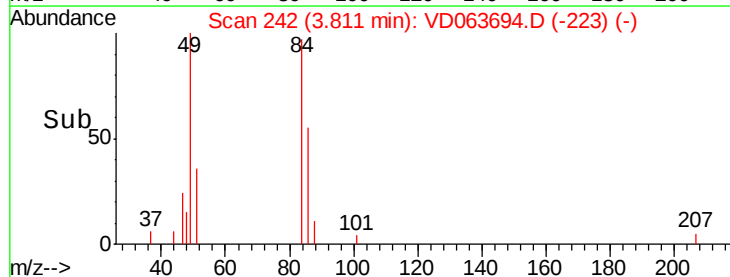
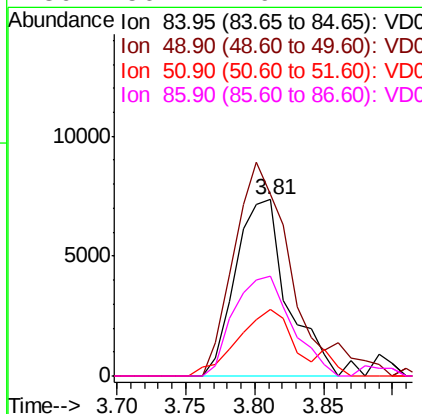
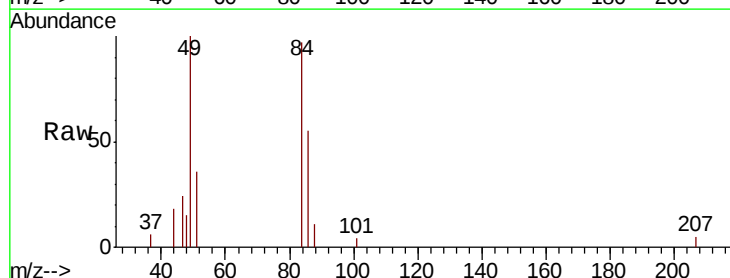
Instrument :
MSVOA_D
ClientSampleId :
T4-D-(0)

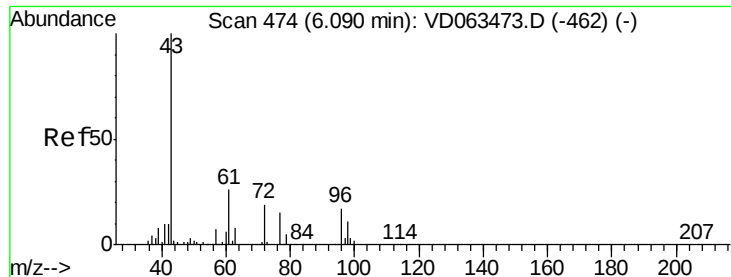
Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 34.176 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

Tgt Ion: 84 Resp: 19328
Ion Ratio Lower Upper
84 100
49 103.0 103.4 155.2#
51 37.4 28.5 42.7
86 56.4 49.4 74.2





#25

2-Butanone

Concen: 2.934 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.05 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

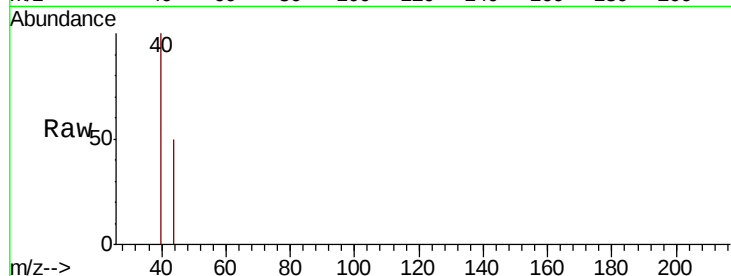
T4-D-(0)

Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

72 0.0 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.04

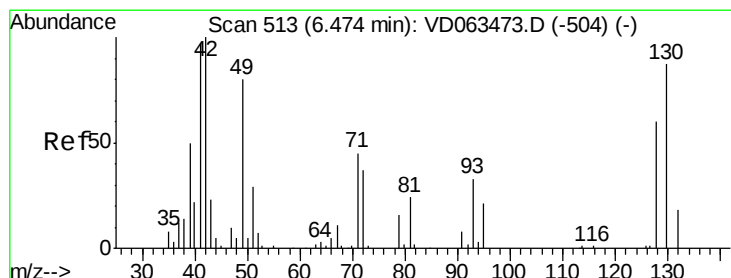
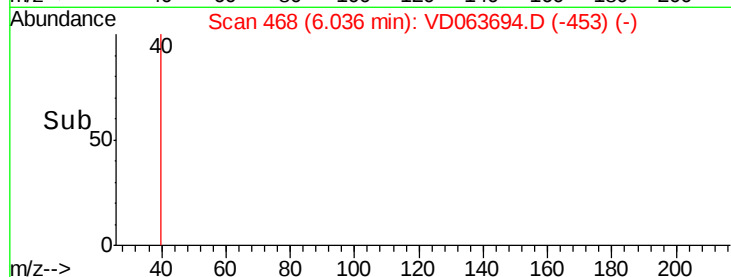
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 105.997 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

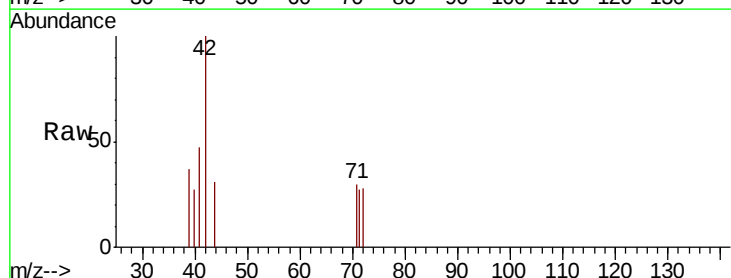
Tgt Ion: 42 Resp: 6380

Ion Ratio Lower Upper

42 100

72 27.3 31.5 47.3#

71 46.1 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.46

3000

2500

2000

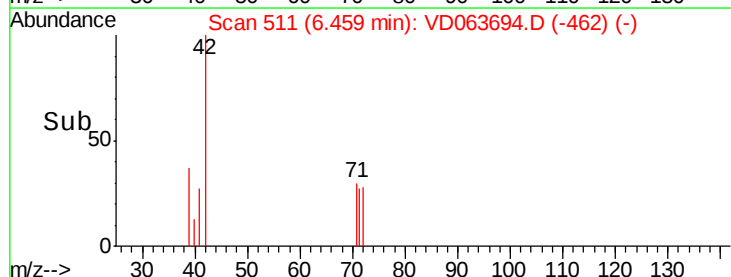
1500

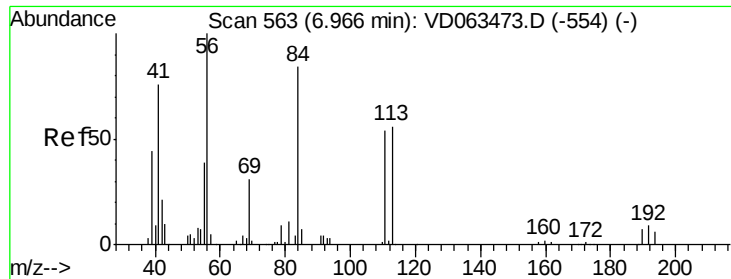
1000

500

0

Time-->

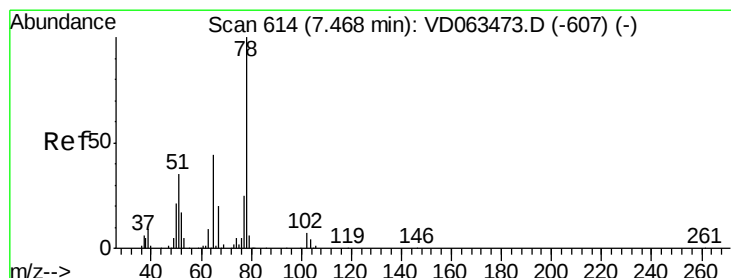
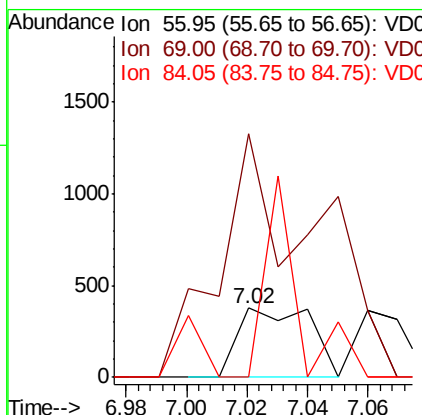
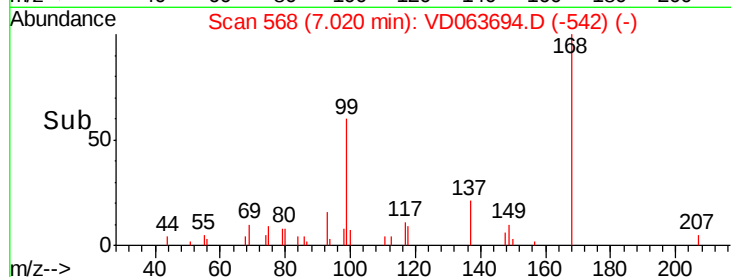
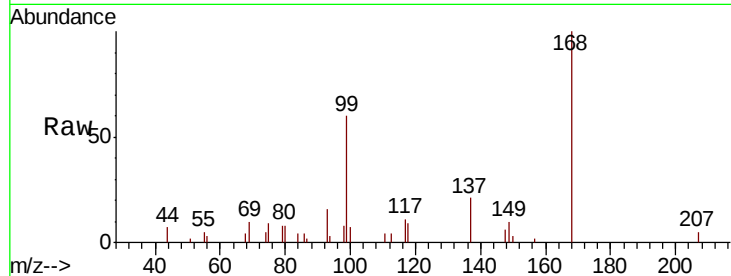




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

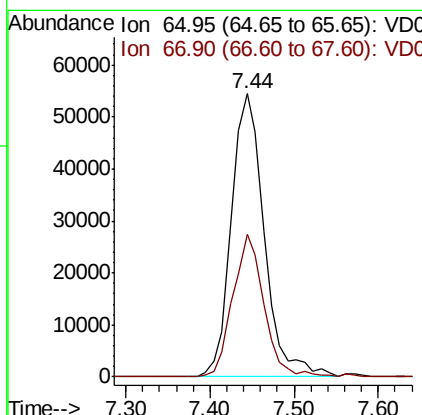
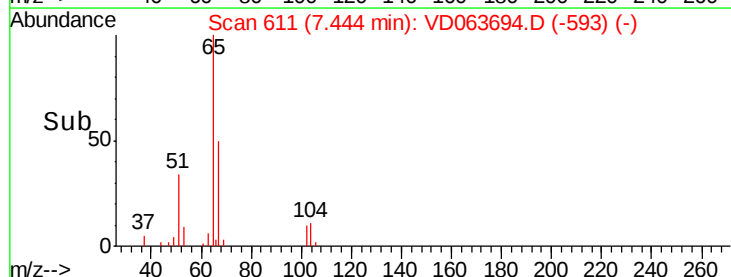
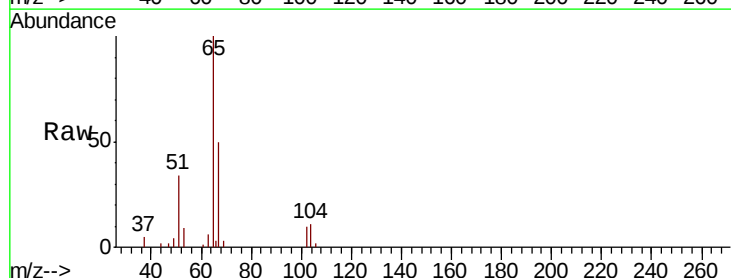
Instrument :
MSVOA_D
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T4-D-(0)

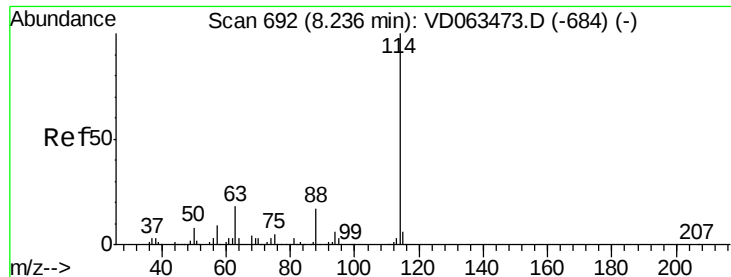
Tgt Ion: 56 Resp: 622
Ion Ratio Lower Upper
56 100
69 352.0 25.0 37.6#
84 0.0 69.7 104.5#



#33
1,2-Dichloroethane-d4
Concen: 230.388 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

Tgt Ion: 65 Resp: 148228
Ion Ratio Lower Upper
65 100
67 50.2 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(0)

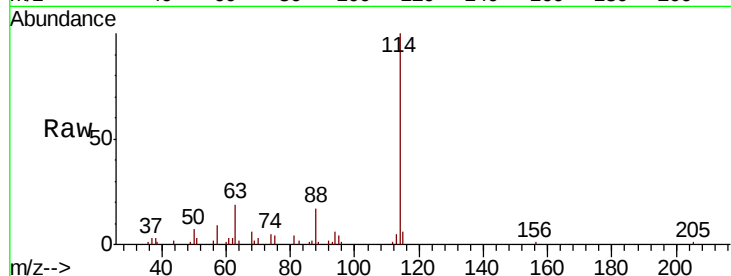
Tgt Ion:114 Resp: 133442

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.2

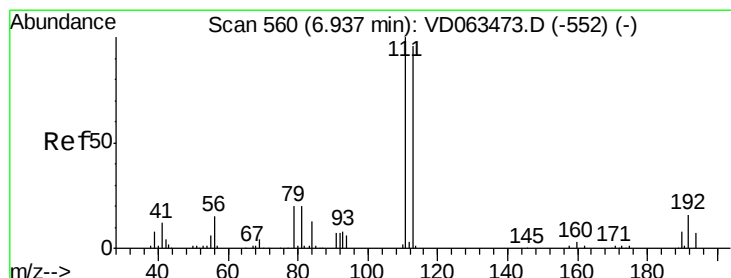
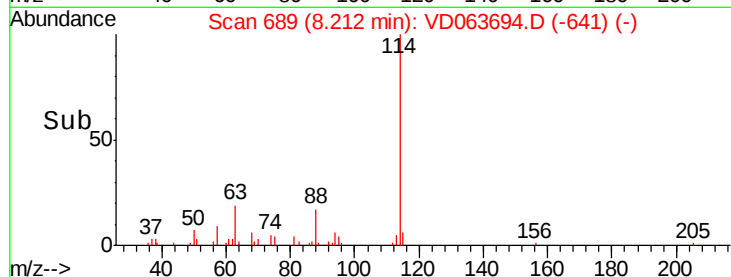
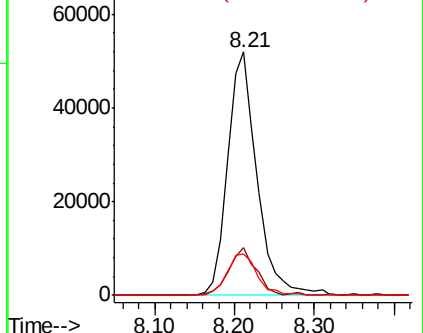
88 16.8 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 93.856 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

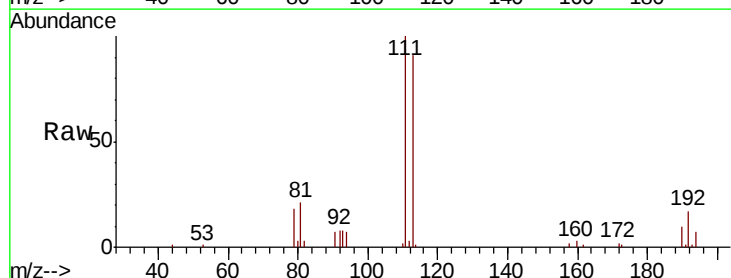
Tgt Ion:113 Resp: 105481

Ion Ratio Lower Upper

113 100

111 109.6 83.1 124.7

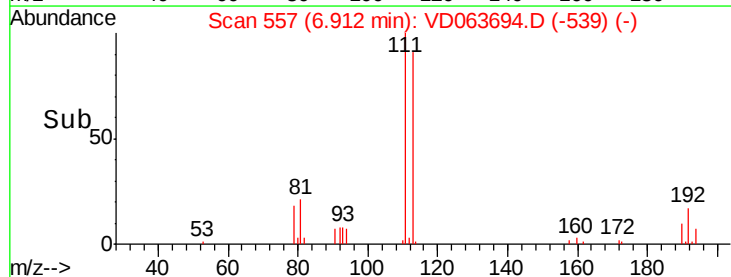
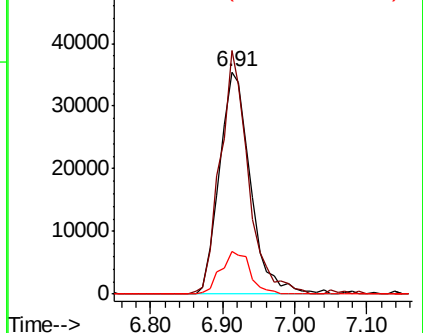
192 19.1 13.1 19.7

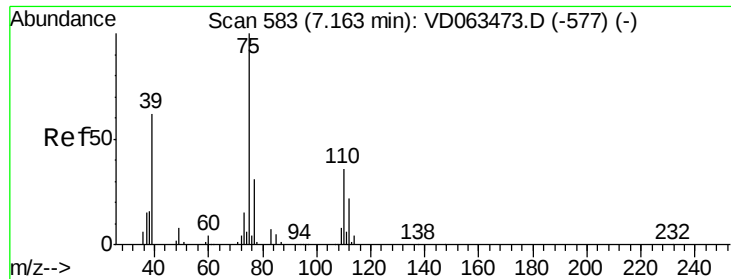


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

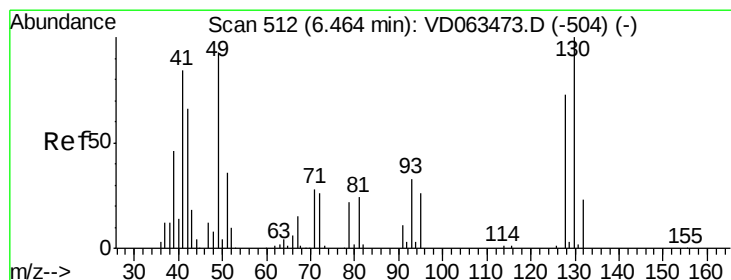
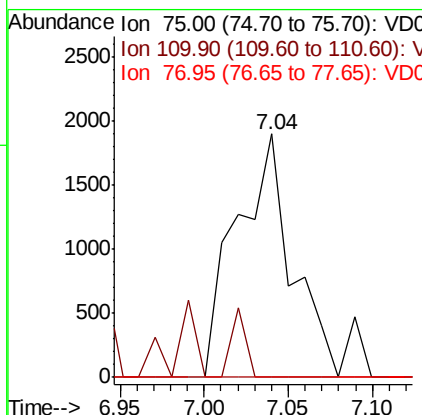
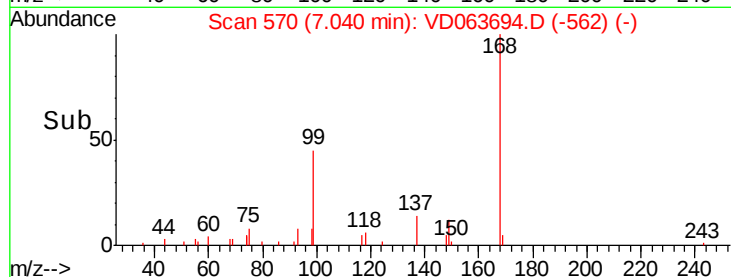
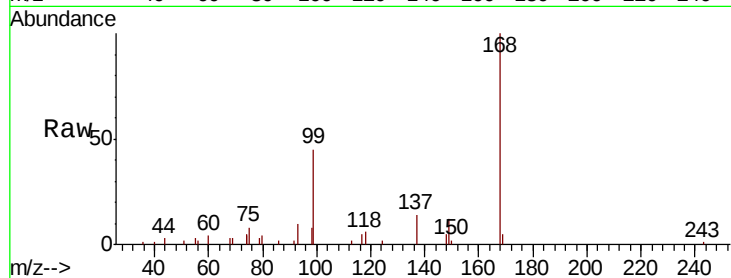




#36
 1,1-Dichloropropene
 Concen: 3.682 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063694.D
 Acq: 20 Aug 2019 19:34

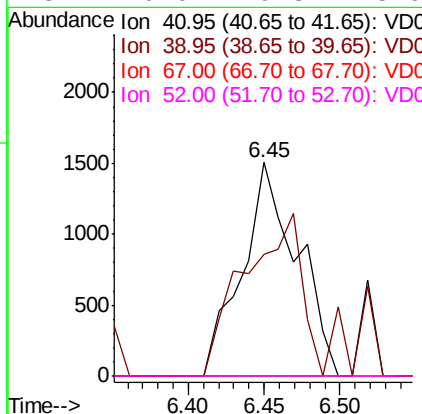
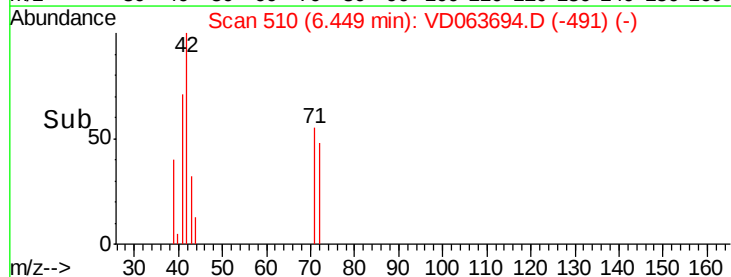
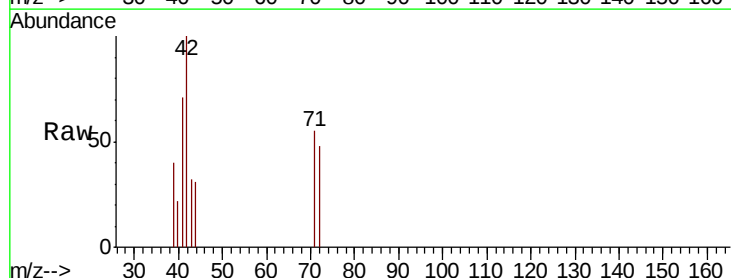
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-D-(0)

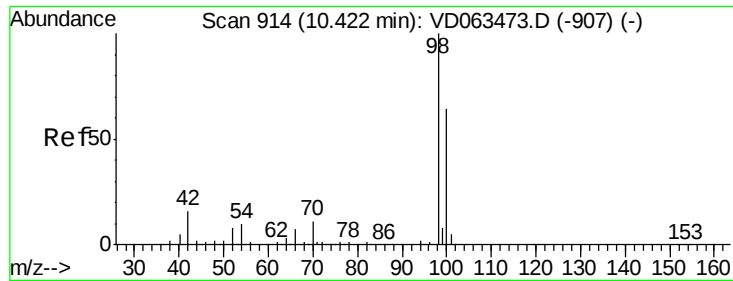
Tgt Ion: 75 Resp: 4344
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.6 52.8#
 77 0.0 24.3 36.5#



#41
 Methacrylonitrile
 Concen: 6.181 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD063694.D
 Acq: 20 Aug 2019 19:34

Tgt Ion: 41 Resp: 3847
 Ion Ratio Lower Upper
 41 100
 39 57.2 44.6 66.8
 67 0.0 14.4 21.6#
 52 0.0 9.3 13.9#

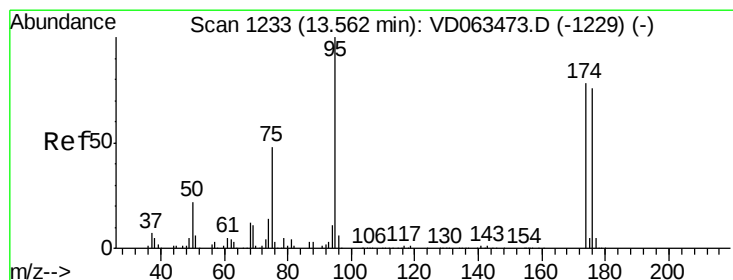
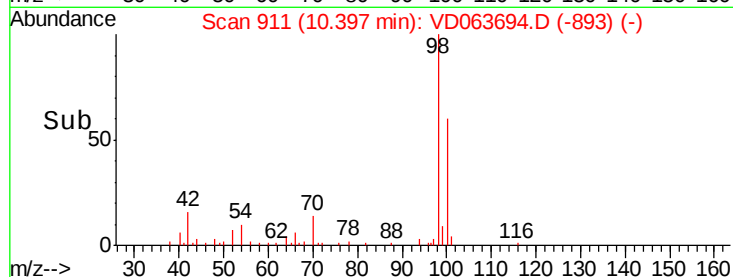
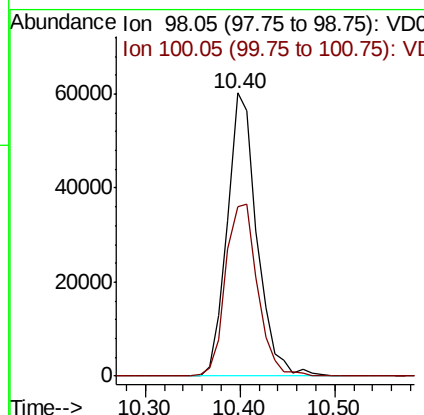
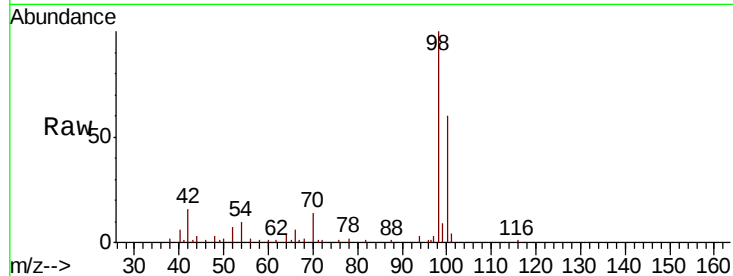




#50
Toluene-d8
Concen: 52.823 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

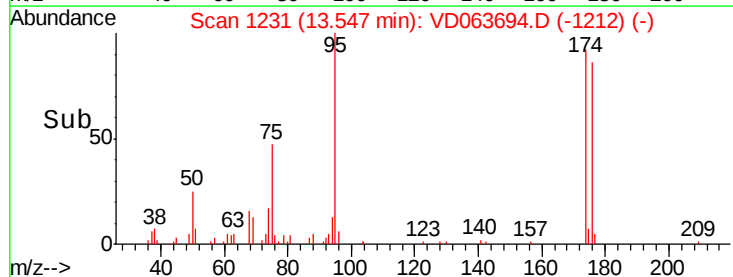
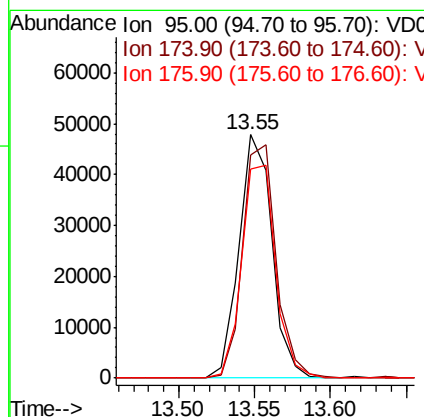
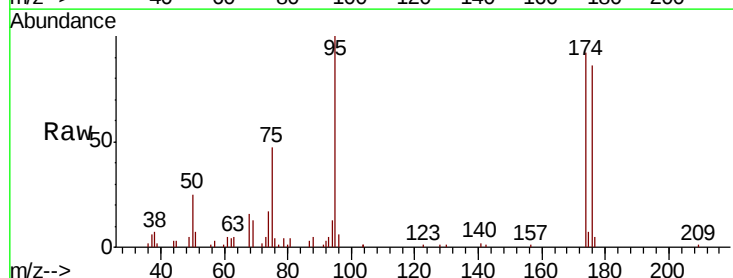
Instrument :
MSVOA_D
ClientSampleId :
T4-D-(0)

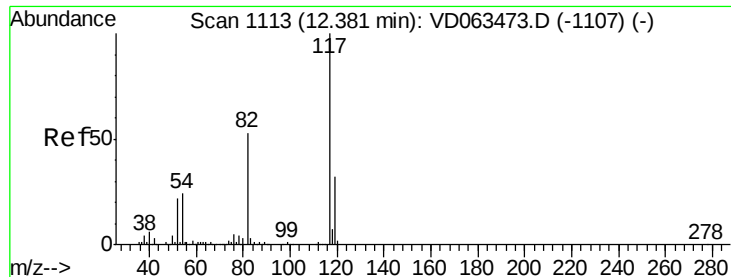
Tgt Ion: 98 Resp: 130519
Ion Ratio Lower Upper
98 100
100 60.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 64.446 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

Tgt Ion: 95 Resp: 72173
Ion Ratio Lower Upper
95 100
174 91.5 0.0 155.4
176 86.1 0.0 152.4

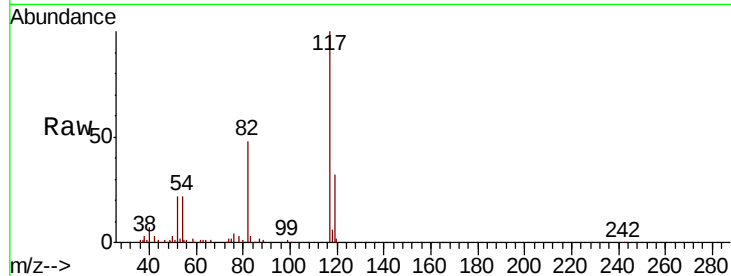




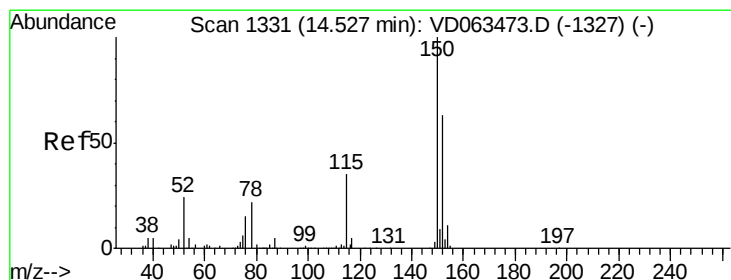
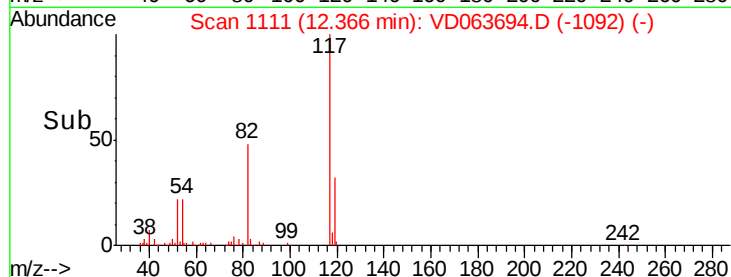
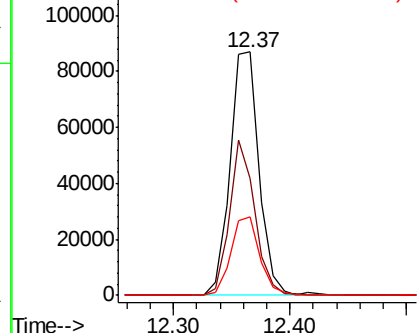
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
T4-D-(0)

Tgt Ion:117 Resp: 149766
Ion Ratio Lower Upper
117 100
82 47.8 42.0 63.0
119 32.1 25.4 38.0

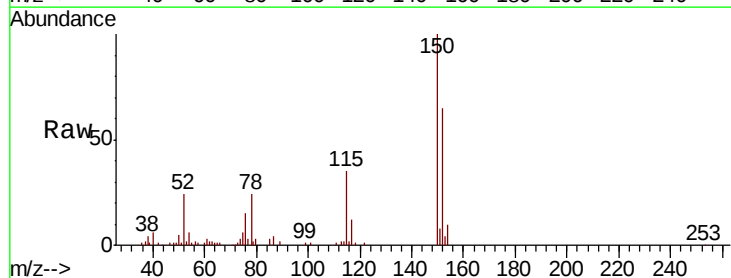


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

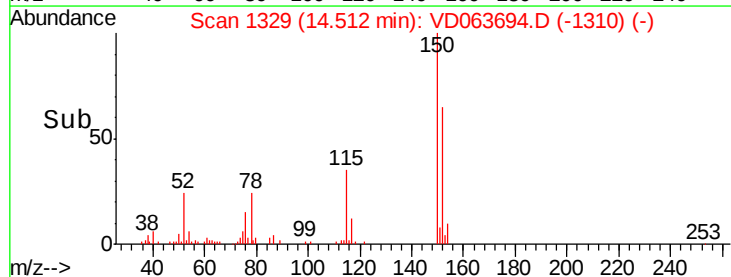
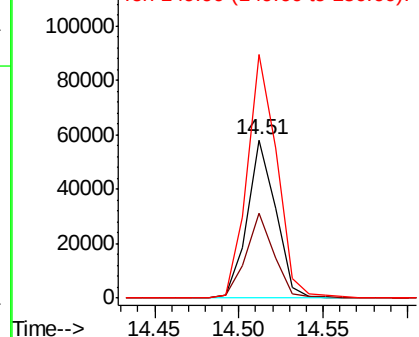


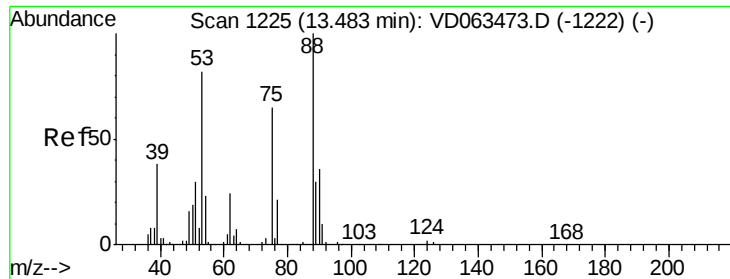
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063694.D
Acq: 20 Aug 2019 19:34

Tgt Ion:152 Resp: 68084
Ion Ratio Lower Upper
152 100
115 53.6 30.9 92.7
150 154.2 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 151.357 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063694.D

Acq: 20 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(0)

Tgt Ion: 75 Resp: 31787

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

