

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061895.D
 Acq On : 19 Apr 2019 4:33
 Operator : VA/AP
 Sample : K2442-14
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21-D2

Quant Time: Apr 19 05:27:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	408389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	668173	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	621828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	237822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	210993	61.65	ug/l	0.00
Spiked Amount			Recovery	=	123.30%	
35) Dibromofluoromethane	6.94	113	291460	57.74	ug/l	0.02
Spiked Amount			Recovery	=	115.48%	
50) Toluene-d8	10.42	98	662228	55.37	ug/l	0.02
Spiked Amount			Recovery	=	110.74%	
62) 4-Bromofluorobenzene	13.56	95	259351	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

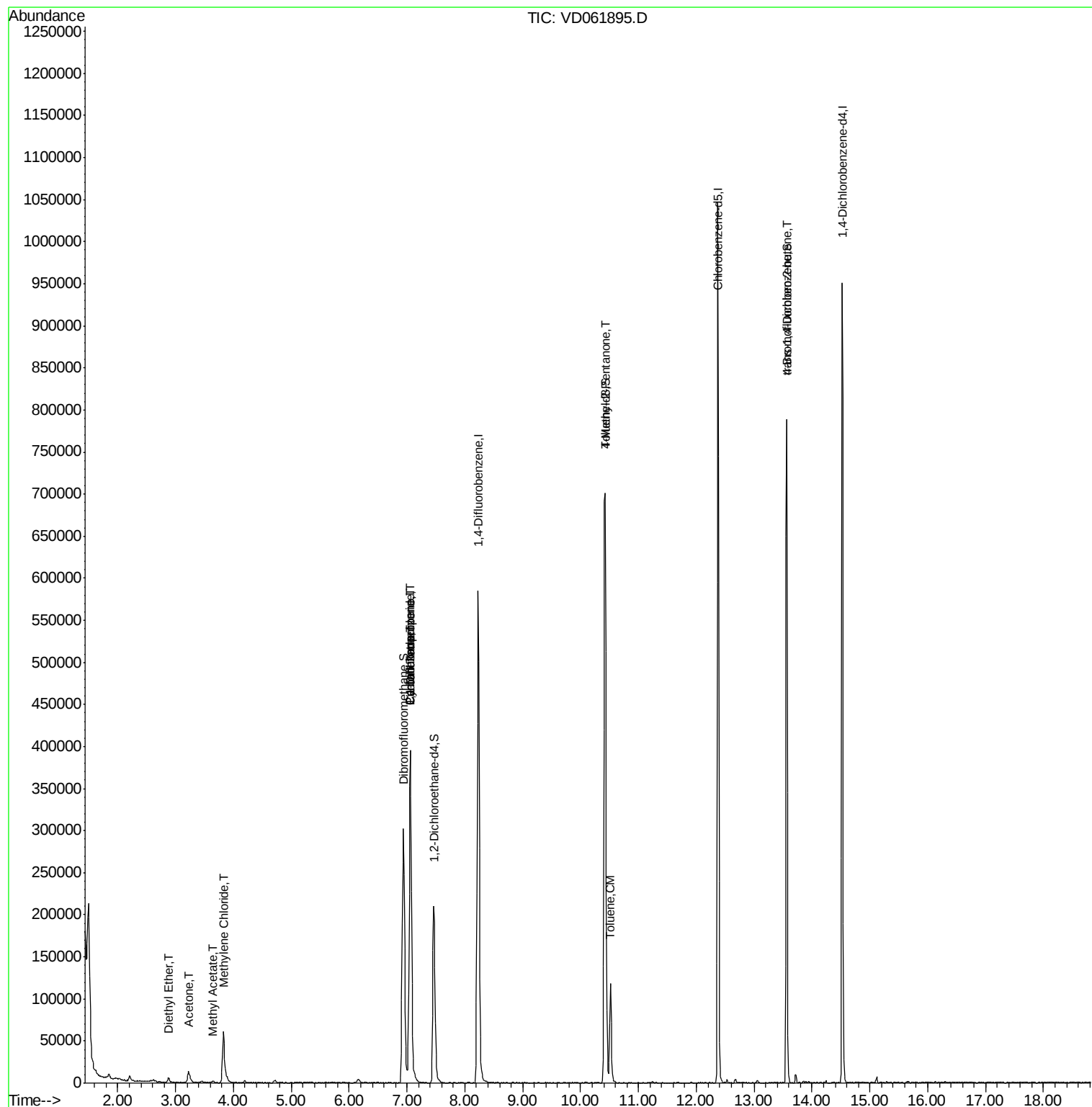
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	574	Below Cal	#	12
8) Diethyl Ether	2.88	74	1958	1.461	ug/l	93
16) Acetone	3.23	43	28989	34.365	ug/l	99
18) Methyl Acetate	3.65	43	3252	1.923	ug/l #	53
20) Methylene Chloride	3.83	84	45361	6.860	ug/l	98
31) Cyclohexane	7.05	56	7193	1.388	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	29609	5.423	ug/l #	45
38) Carbon Tetrachloride	7.06	117	39386	5.713	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2532	1.259	ug/l #	1
52) Toluene	10.51	92	66073	7.866	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.56	75	97232	92.989	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

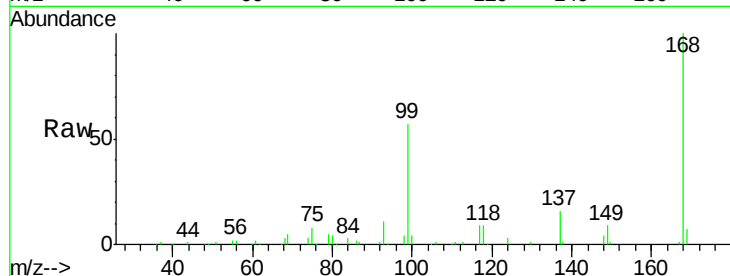
TP-21-D2

Tot Ion:168 Resp: 408389

Ion Ratio Lower Upper

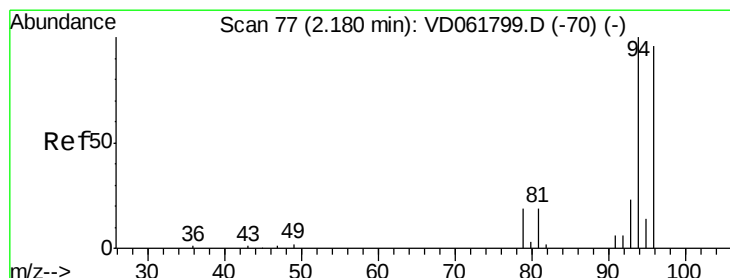
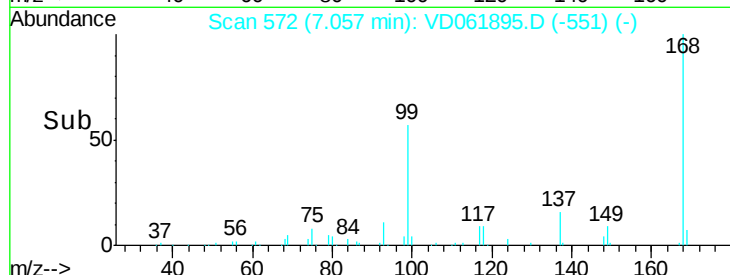
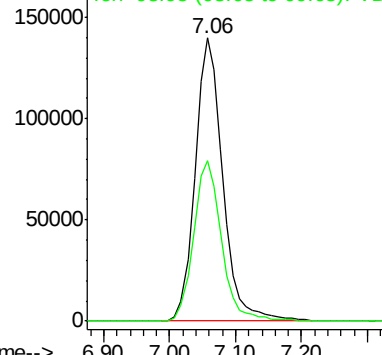
168 100

99 56.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

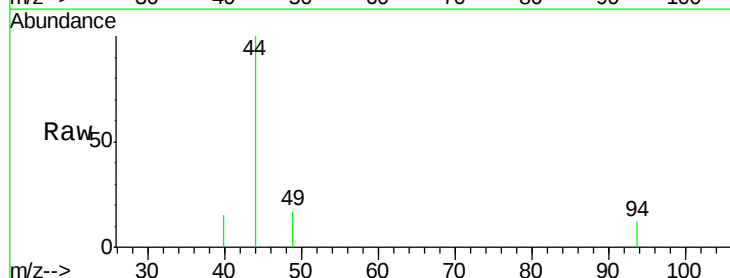
Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

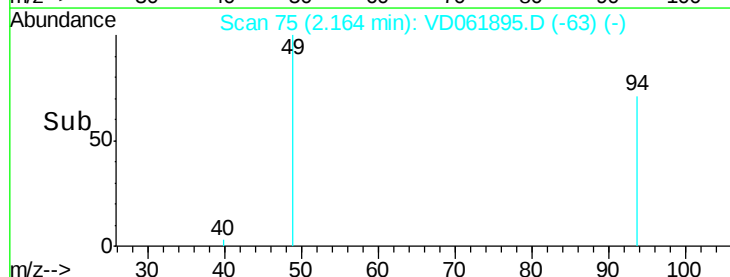
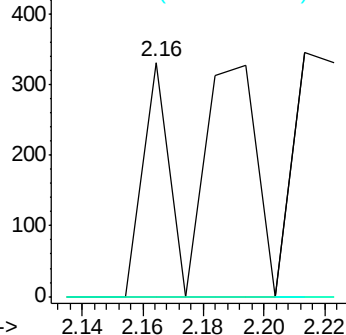
93 0.0 18.5 27.7#

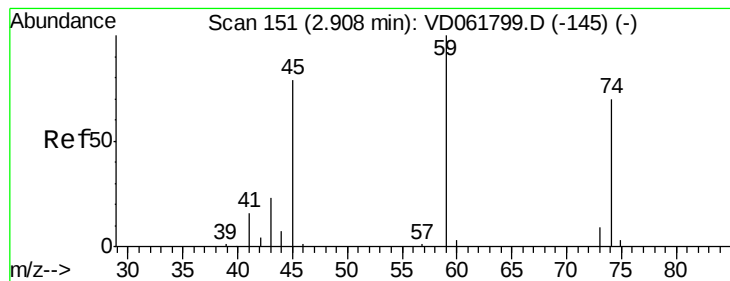


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.461 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

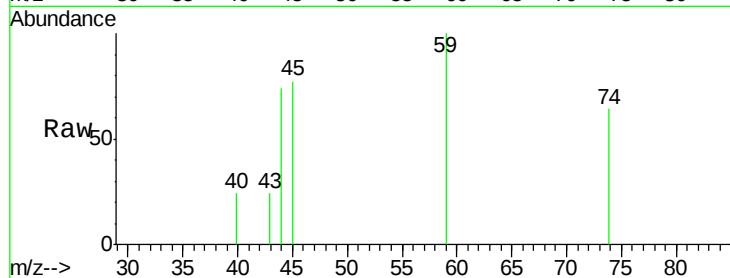
TP-21-D2

Tot Ion: 74 Resp: 1958

Ion Ratio Lower Upper

74 100

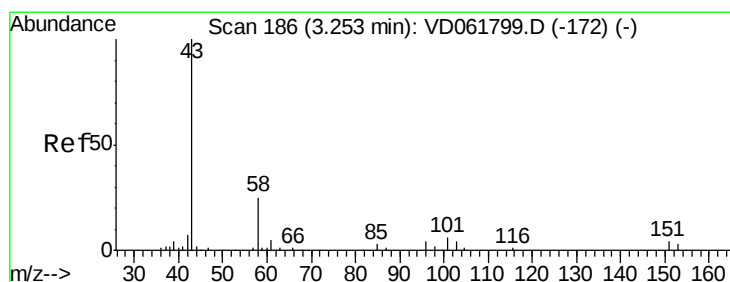
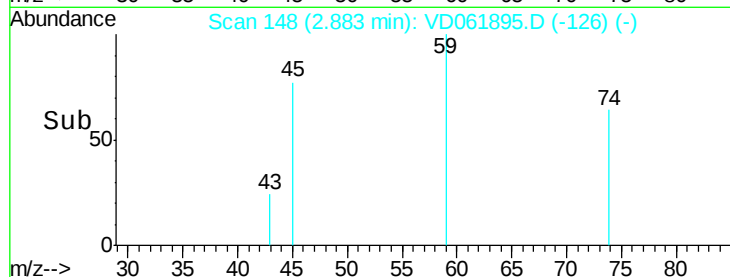
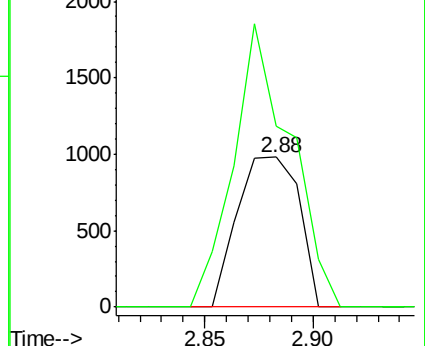
45 120.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.88



#16

Acetone

Concen: 34.365 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061895.D

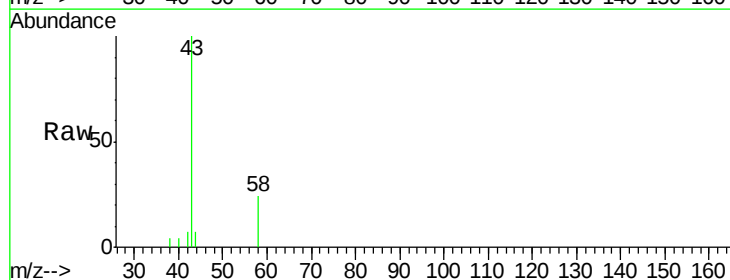
Acq: 19 Apr 2019 4:33

Tgt Ion: 43 Resp: 28989

Ion Ratio Lower Upper

43 100

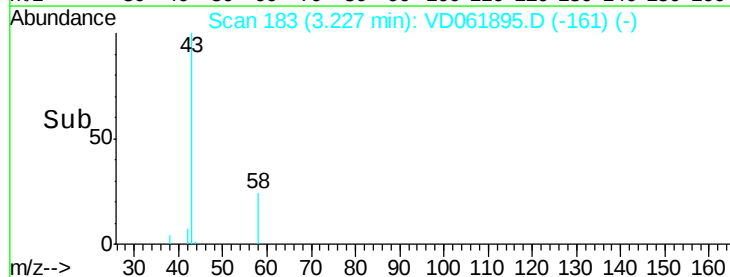
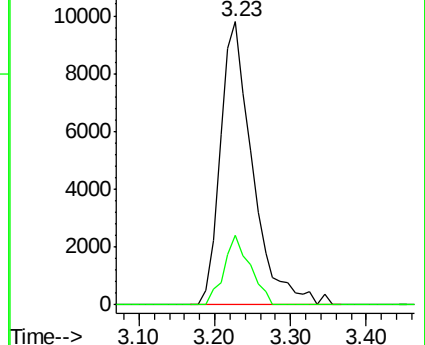
58 24.4 19.9 29.9

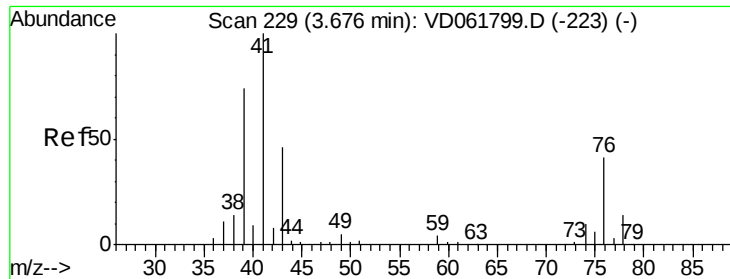


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

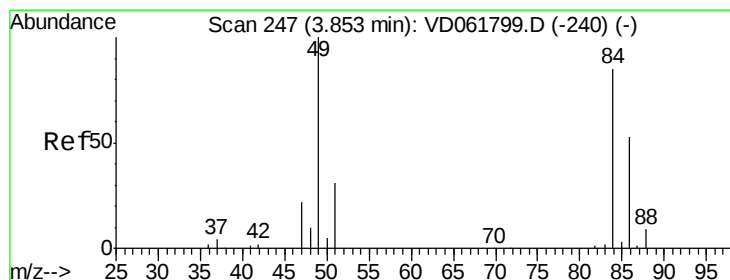
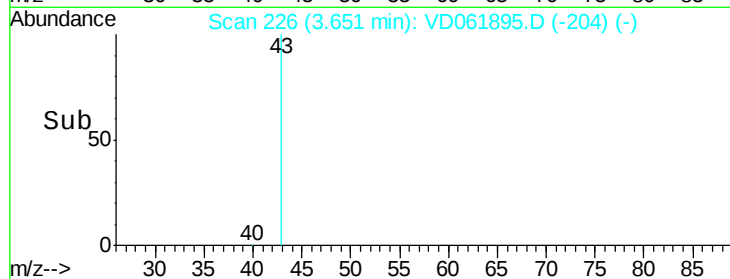
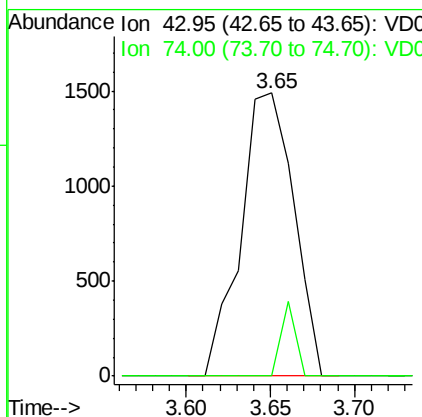
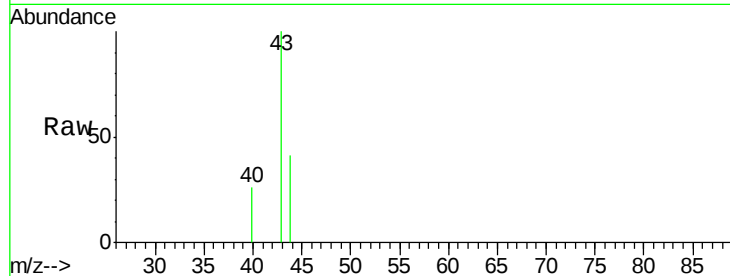




#18
Methyl Acetate
Concen: 1.923 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061895.D
Acq: 19 Apr 2019 4:33

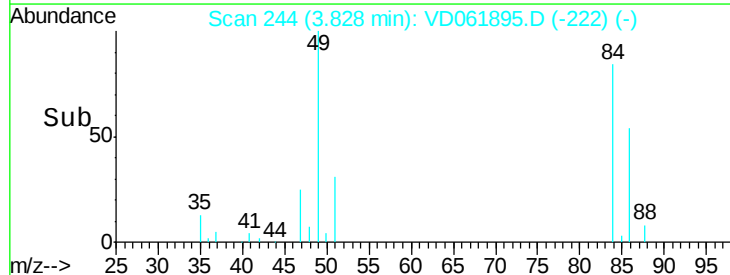
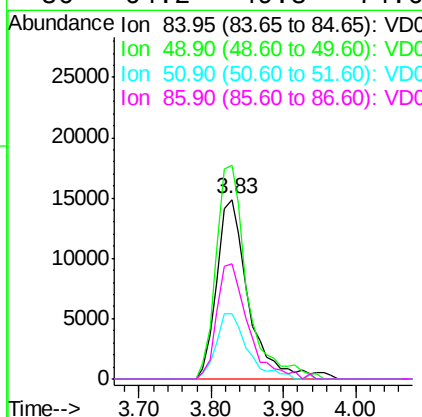
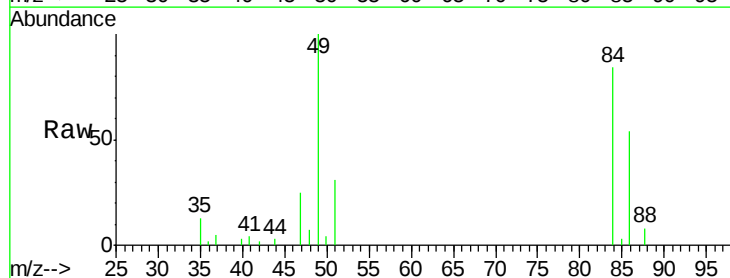
Instrument :
MSVOA_D
ClientSampleId :
TP-21-D2

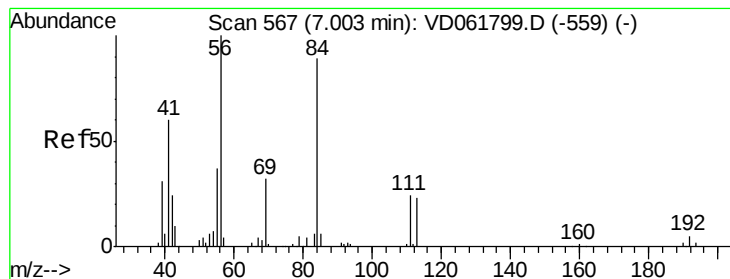
Tot Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 6.860 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061895.D
Acq: 19 Apr 2019 4:33

Tgt Ion: 84 Resp: 45361
Ion Ratio Lower Upper
84 100
49 119.1 94.0 141.0
51 36.6 29.0 43.4
86 64.2 49.8 74.6





#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

TP-21-D2

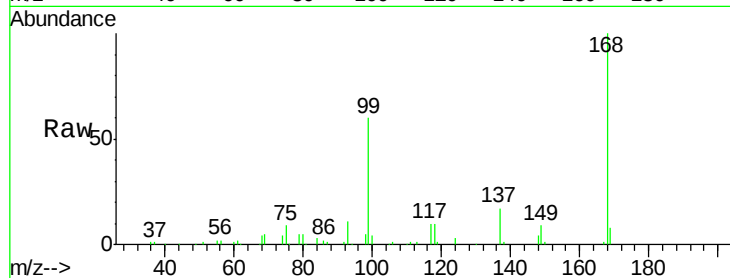
Tot Ion: 56 Resp: 7193

Ion Ratio Lower Upper

56 100

69 232.3 25.8 38.6#

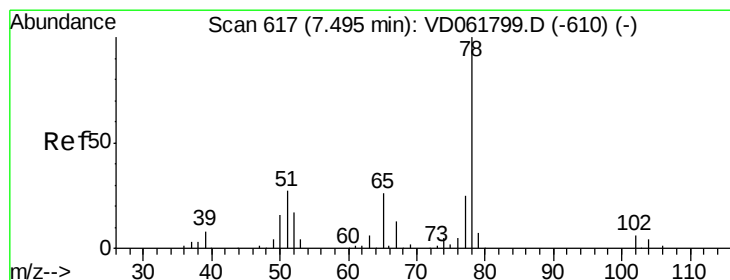
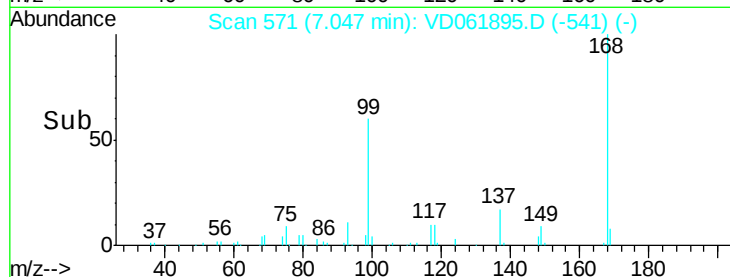
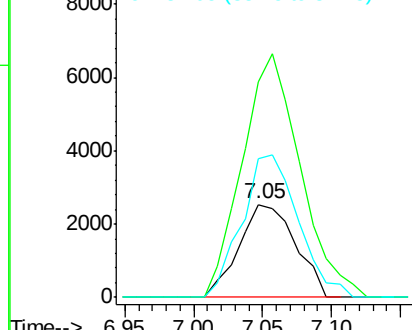
84 148.9 72.2 108.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061895.D

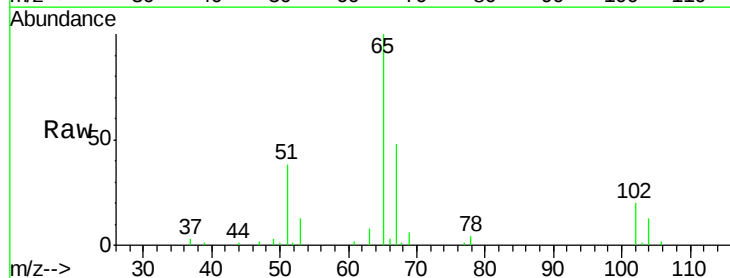
Acq: 19 Apr 2019 4:33

Tgt Ion: 65 Resp: 210993

Ion Ratio Lower Upper

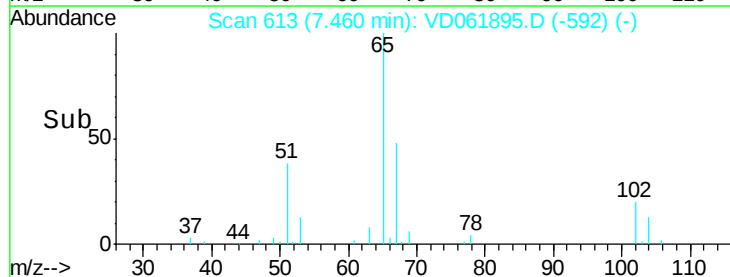
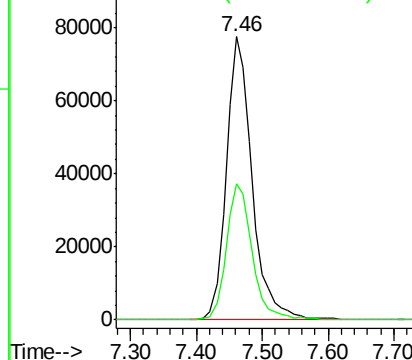
65 100

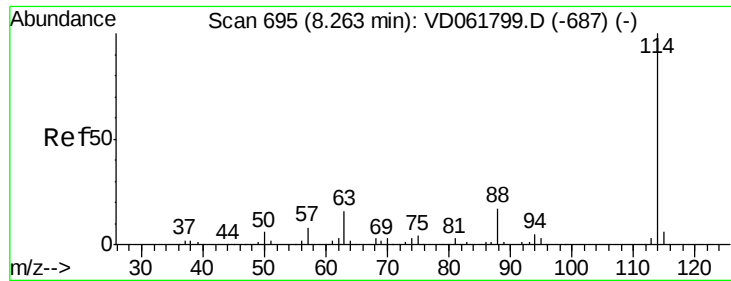
67 48.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

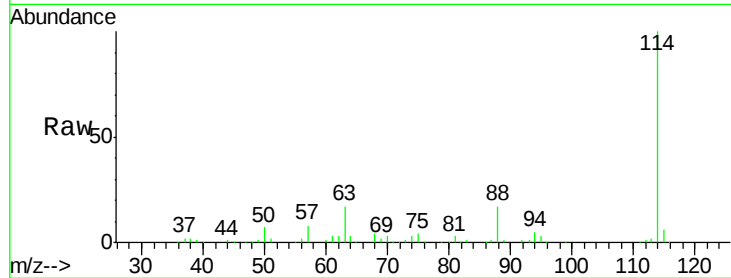




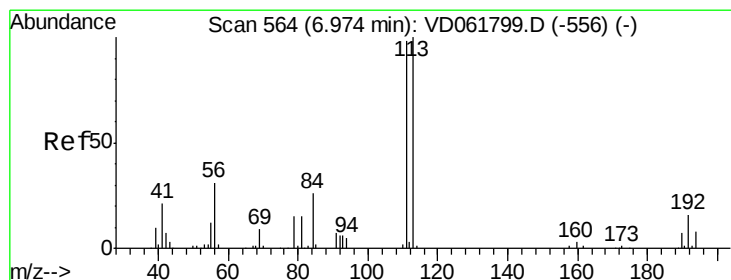
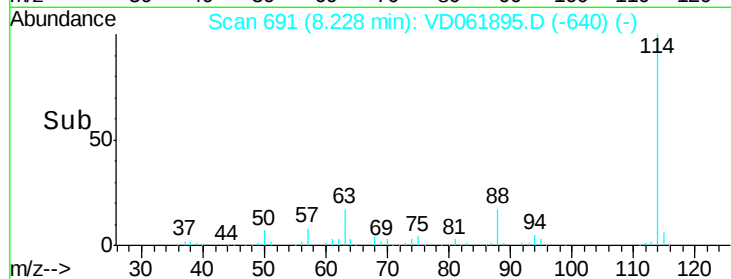
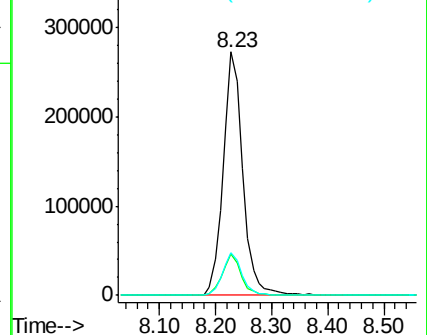
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061895.D
 Acq: 19 Apr 2019 4:33

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21-D2

Tot Ion:114 Resp: 668173
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.4
 88 17.3 0.0 33.6

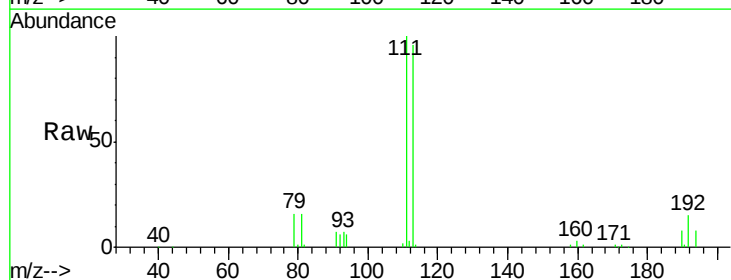


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

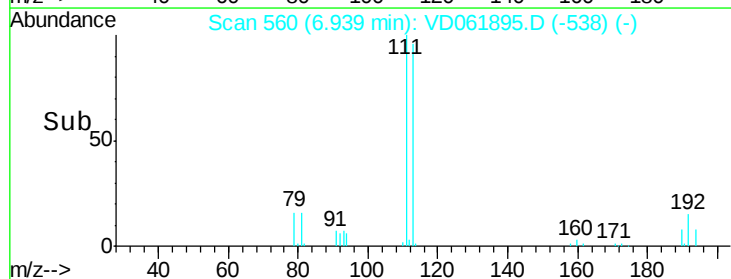
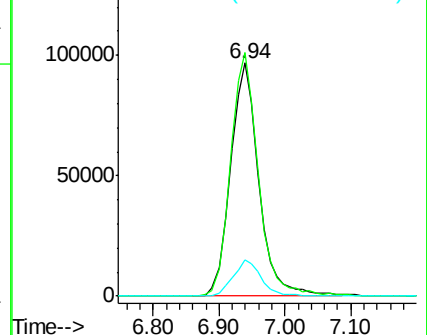


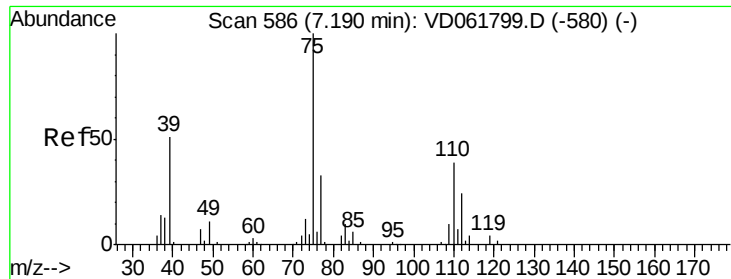
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061895.D
 Acq: 19 Apr 2019 4:33

Tgt Ion:113 Resp: 291460
 Ion Ratio Lower Upper
 113 100
 111 104.5 78.5 117.7
 192 15.8 13.0 19.4



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: 5.423 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

TP-21-D2

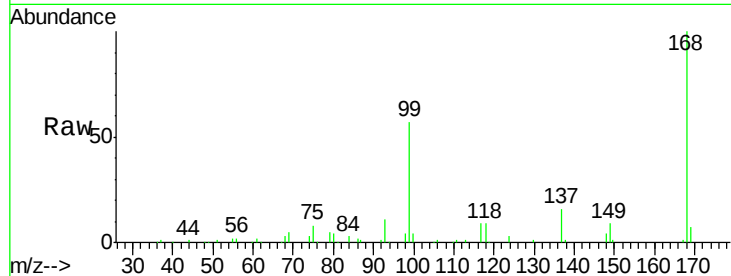
Tot Ion: 75 Resp: 29609

Ion Ratio Lower Upper

75 100

110 6.3 19.1 57.1#

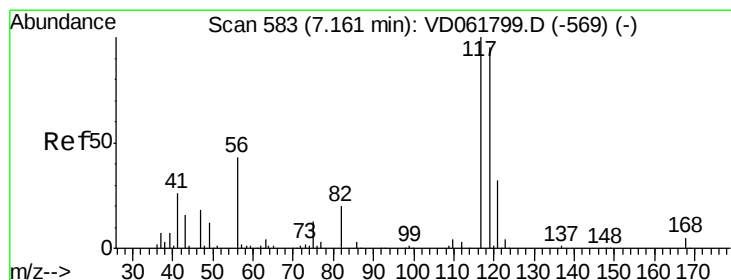
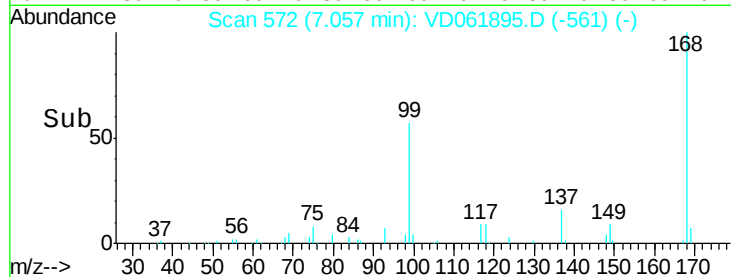
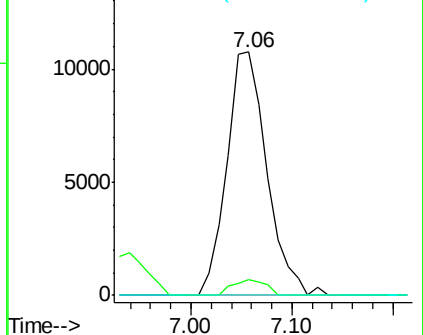
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.713 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

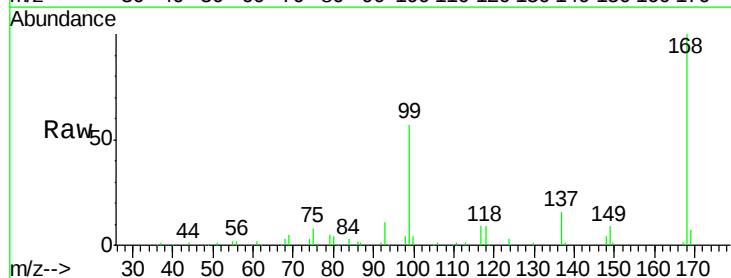
Tgt Ion: 117 Resp: 39386

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

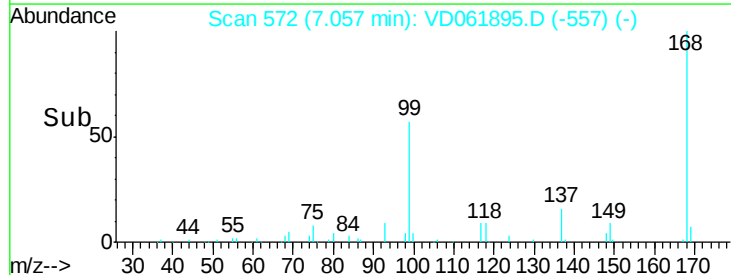
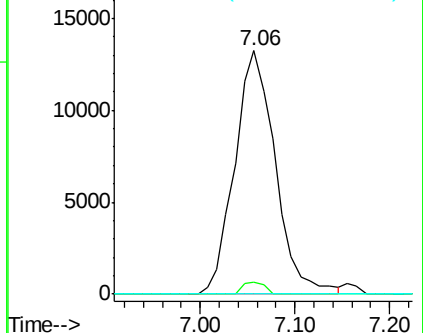
121 0.0 25.9 38.9#

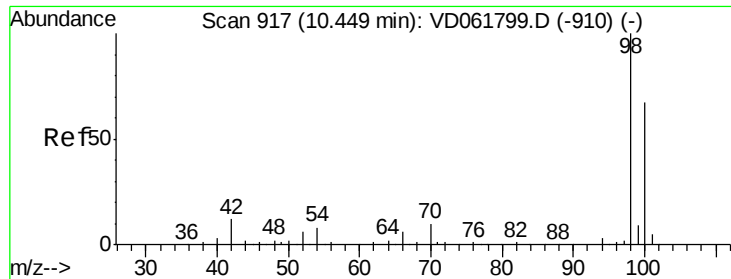


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

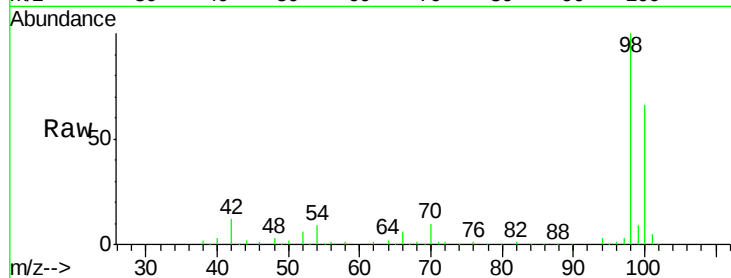
TP-21-D2

Tot Ion: 98 Resp: 662228

Ion Ratio Lower Upper

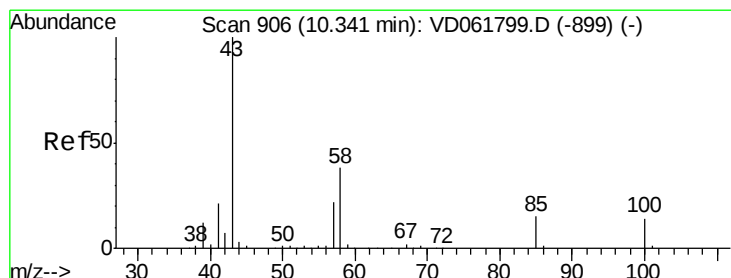
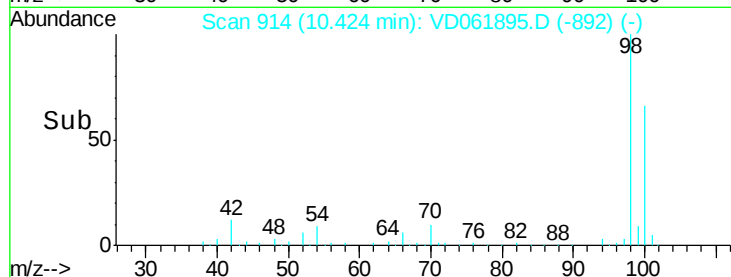
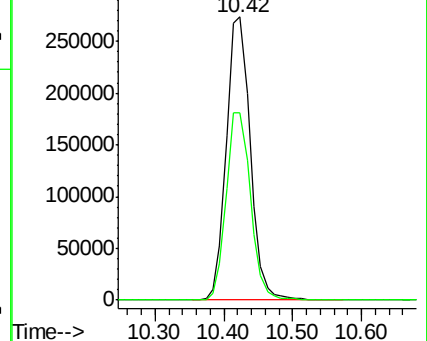
98 100

100 66.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.259 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD061895.D

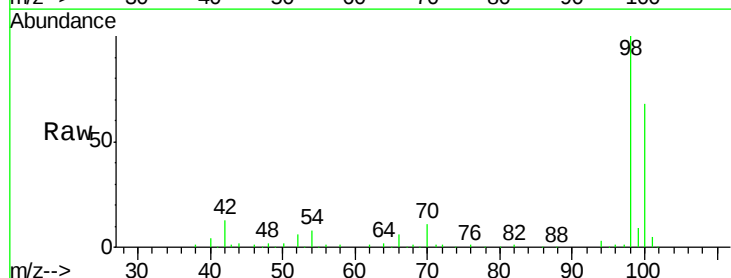
Acq: 19 Apr 2019 4:33

Tgt Ion: 43 Resp: 2532

Ion Ratio Lower Upper

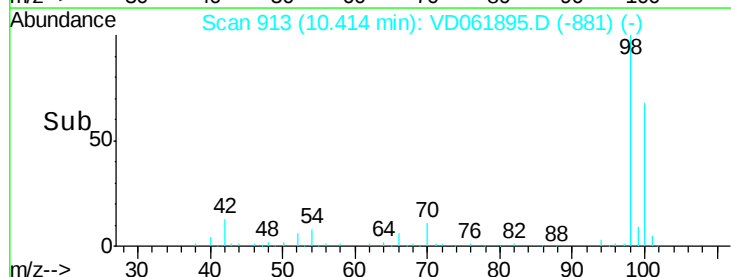
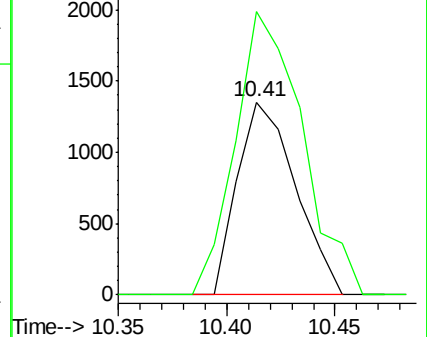
43 100

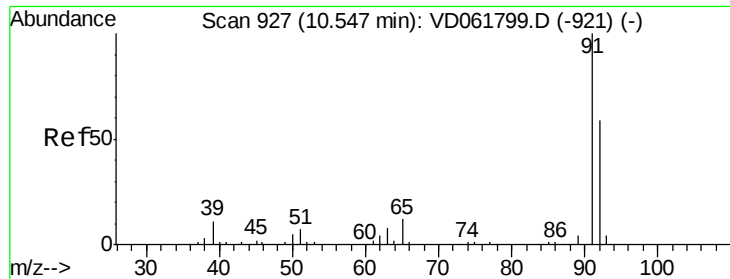
58 147.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 7.866 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

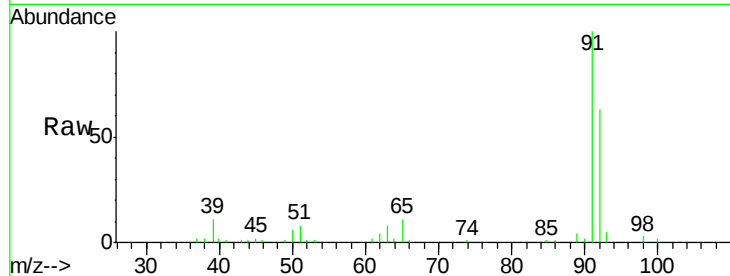
TP-21-D2

Tot Ion: 92 Resp: 66073

Ion Ratio Lower Upper

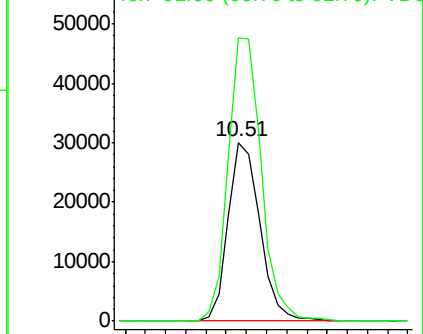
92 100

91 158.4 136.6 204.8

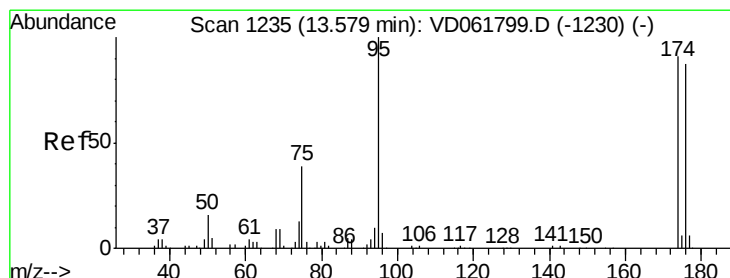
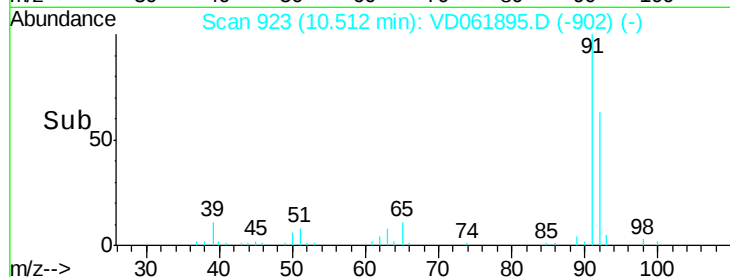


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

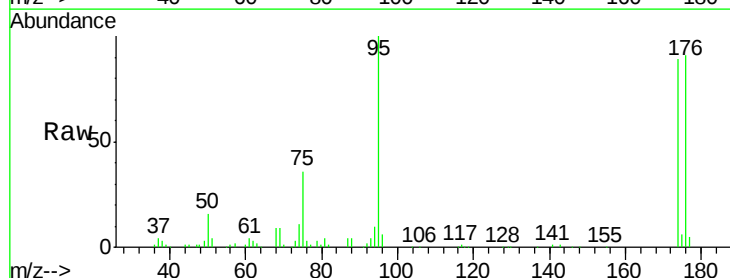
Tgt Ion: 95 Resp: 259351

Ion Ratio Lower Upper

95 100

174 88.5 0.0 181.8

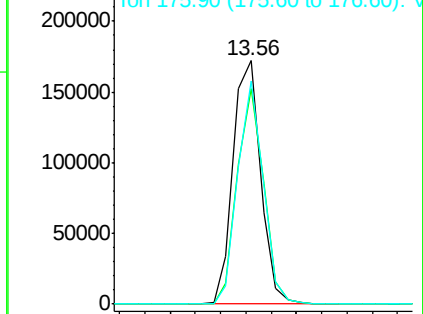
176 91.4 0.0 174.4



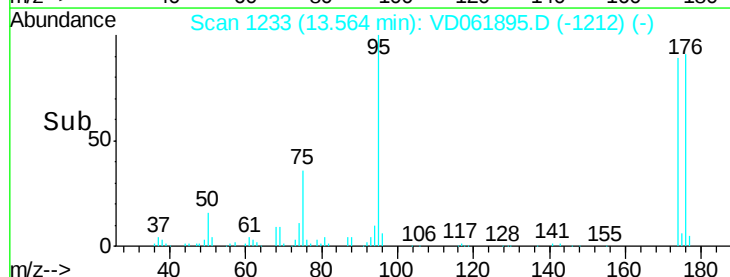
Abundance Ion 95.00 (94.70 to 95.70): VDC

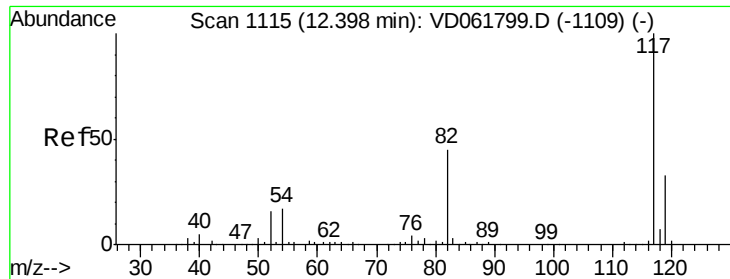
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

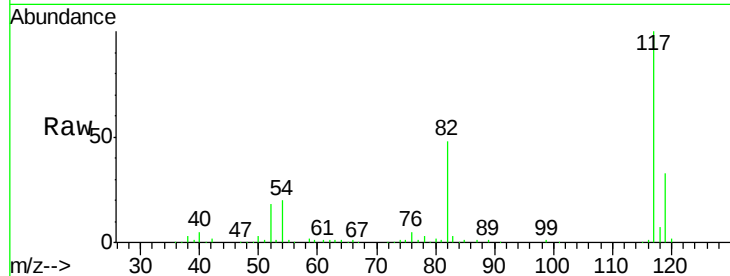




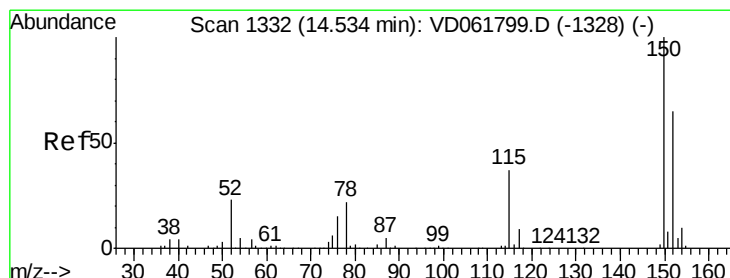
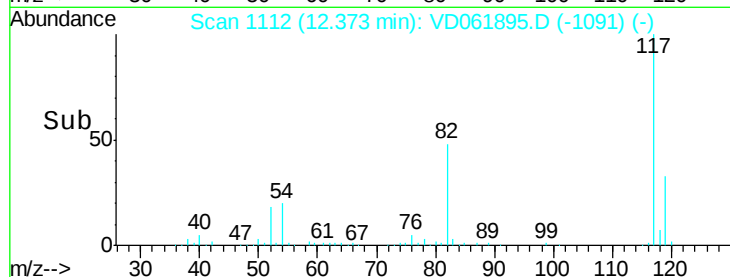
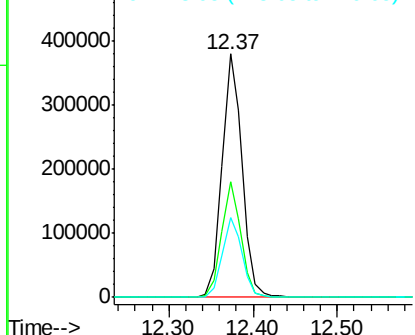
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061895.D
Acq: 19 Apr 2019 4:33

Instrument :
MSVOA_D
ClientSampleId :
TP-21-D2

Tot Ion:117 Resp: 621828
Ion Ratio Lower Upper
117 100
82 47.6 36.2 54.2
119 32.8 26.2 39.4

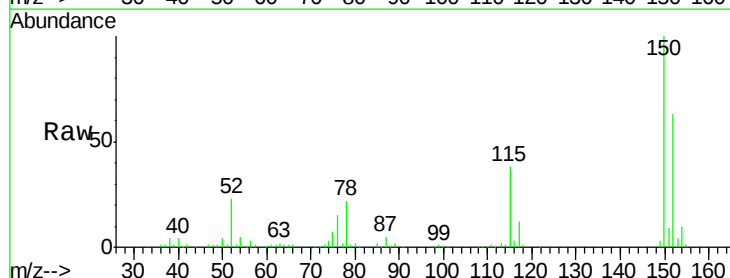


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

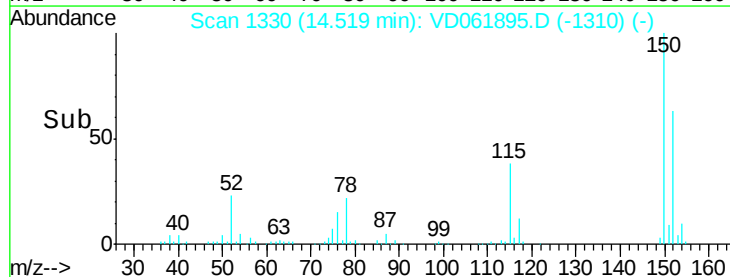
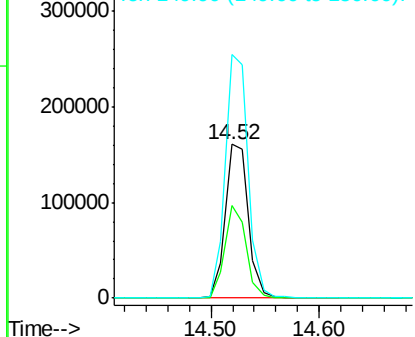


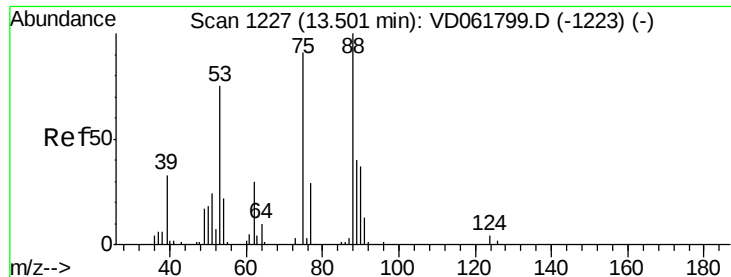
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061895.D
Acq: 19 Apr 2019 4:33

Tgt Ion:152 Resp: 237822
Ion Ratio Lower Upper
152 100
115 60.2 30.9 92.7
150 158.6 0.0 314.8



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: 92.989 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061895.D

Acq: 19 Apr 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

TP-21-D2

Tot Ion: 75 Resp: 97232

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

