

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060809.D
 Acq On : 30 Jan 2019 16:53
 Operator : VA/AP
 Sample : K1282-25RE
 Misc : 4.93g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7RE

Quant Time: Jan 31 05:02:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.81	168	28029	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.99	114	39470	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	24964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	7200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.23	65	40879	95.13	ug/l	0.01
Spiked Amount			Recovery	=	190.26%	
35) Dibromofluoromethane	6.69	113	24425	64.53	ug/l	0.01
Spiked Amount			Recovery	=	129.06%	
50) Toluene-d8	10.18	98	33727	38.15	ug/l	0.00
Spiked Amount			Recovery	=	76.30%	
62) 4-Bromofluorobenzene	13.35	95	9263	20.85	ug/l	0.00
Spiked Amount			Recovery	=	41.70%	

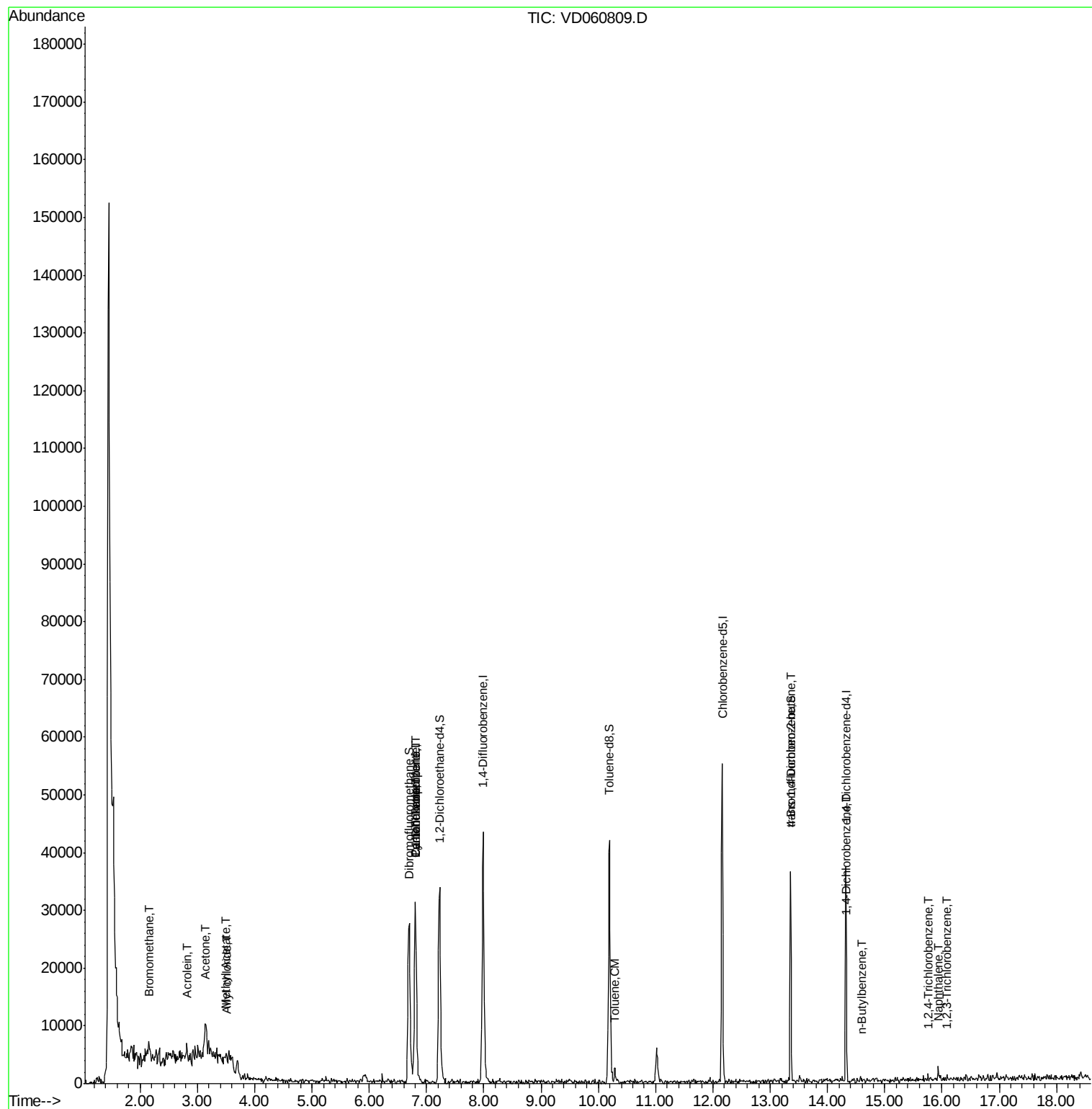
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	237	3.464	ug/l #	1
13) Acrolein	2.81	56	240	3.917	ug/l #	65
14) Allyl chloride	3.52	41	786	2.288	ug/l #	73
16) Acetone	3.14	43	14081	226.878	ug/l	96
18) Methyl Acetate	3.49	43	1442	11.720	ug/l #	63
31) Cyclohexane	6.80	56	418	1.060	ug/l #	19
36) 1,1-Dichloropropene	6.82	75	2151	4.564	ug/l #	47
38) Carbon Tetrachloride	6.80	117	3045	5.153	ug/l #	13
52) Toluene	10.29	92	1420	2.407	ug/l #	71
81) trans-1,4-Dichloro-2-buten	13.35	75	5539	160.916	ug/l #	1
88) 1,4-Dichlorobenzene	14.34	146	598	2.332	ug/l #	25
89) n-Butylbenzene	14.60	91	584	1.171	ug/l #	31
93) 1,2,4-Trichlorobenzene	15.76	180	307	1.618	ug/l #	80
95) Naphthalene	15.93	128	1676	5.750	ug/l #	90
96) 1,2,3-Trichlorobenzene	16.08	180	207	1.255	ug/l #	42

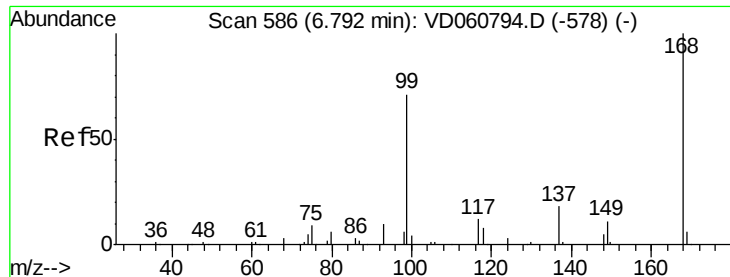
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.81 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

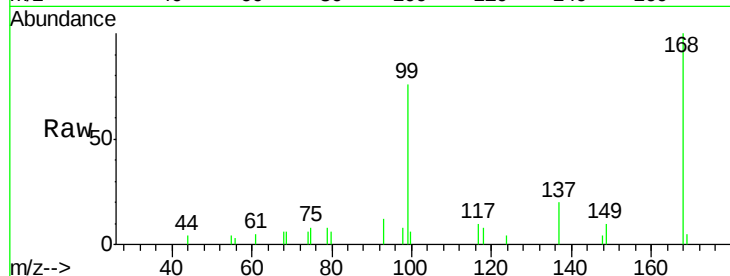
TP-7RE

Tot Ion:168 Resp: 28029

Ion Ratio Lower Upper

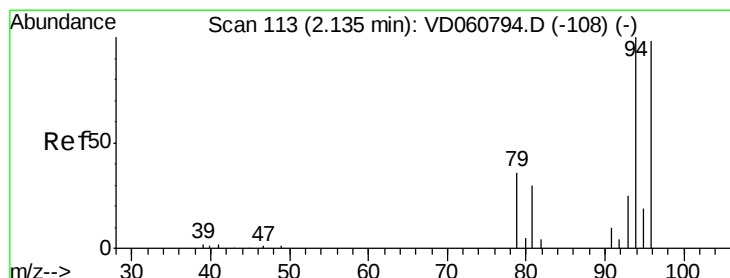
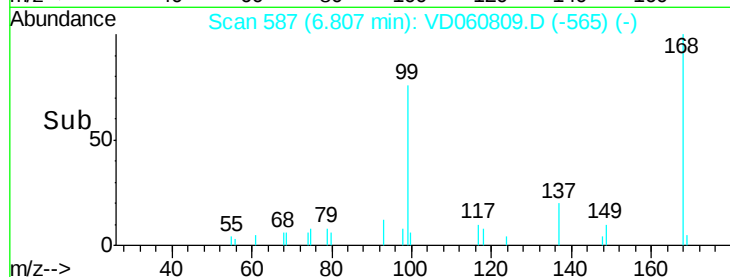
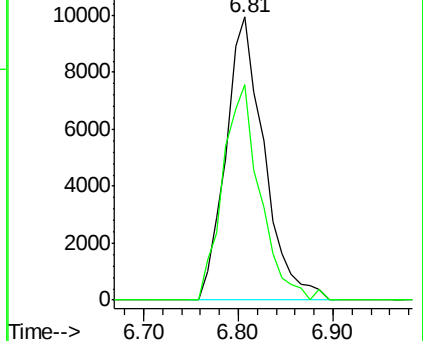
168 100

99 76.0 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 3.464 ug/l

RT: 2.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD060809.D

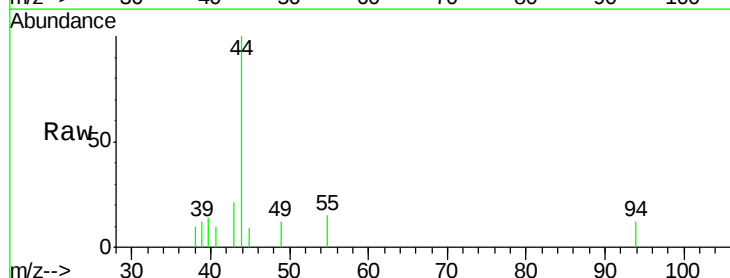
Acq: 30 Jan 2019 16:53

Tgt Ion: 94 Resp: 237

Ion Ratio Lower Upper

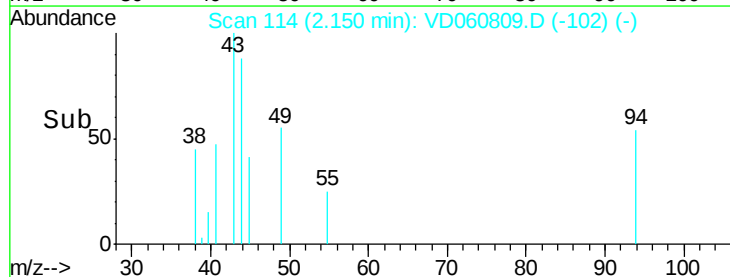
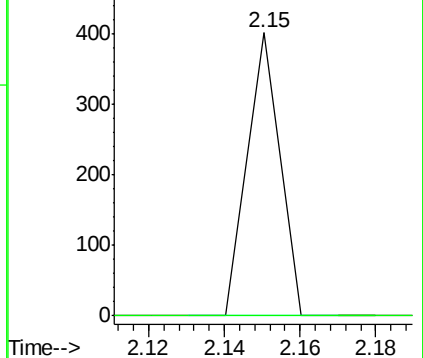
94 100

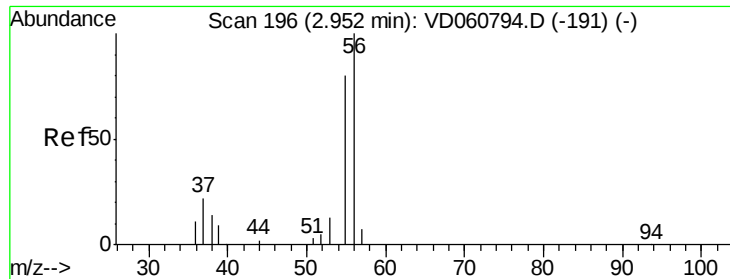
96 0.0 78.0 117.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#13

Acrolein

Concen: 3.917 ug/l

RT: 2.81 min Scan# 181

Delta R.T. -0.14 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampled :

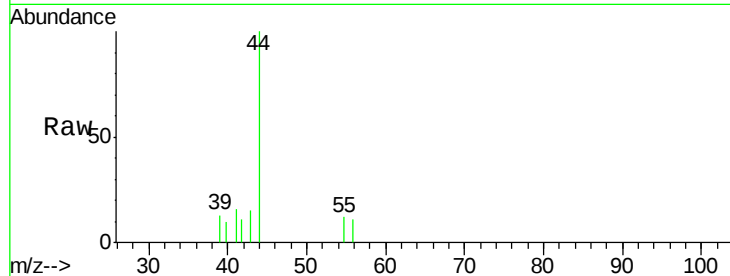
TP-7RE

Tot Ion: 56 Resp: 240

Ion Ratio Lower Upper

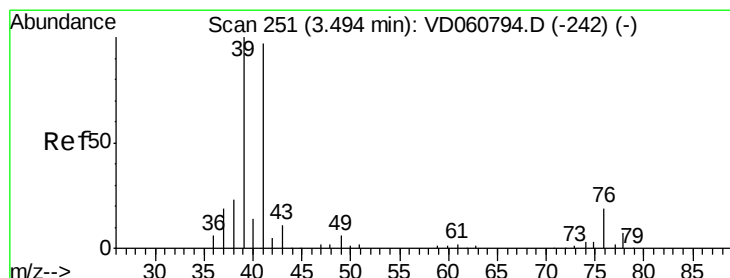
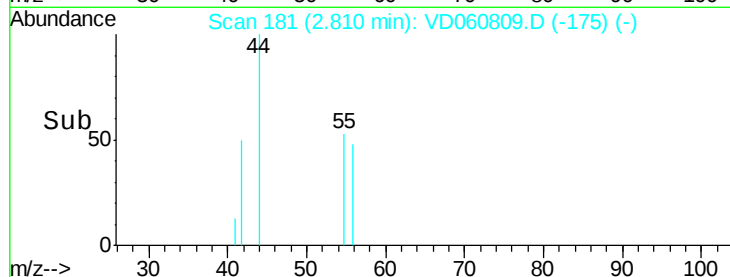
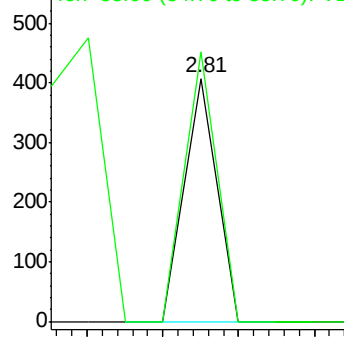
56 100

55 110.8 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.288 ug/l

RT: 3.52 min Scan# 253

Delta R.T. 0.02 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

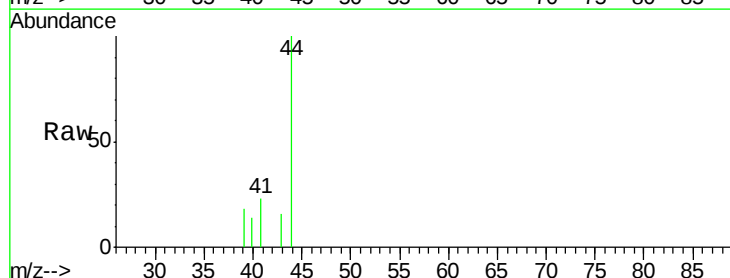
Tgt Ion: 41 Resp: 786

Ion Ratio Lower Upper

41 100

39 80.1 82.6 123.8#

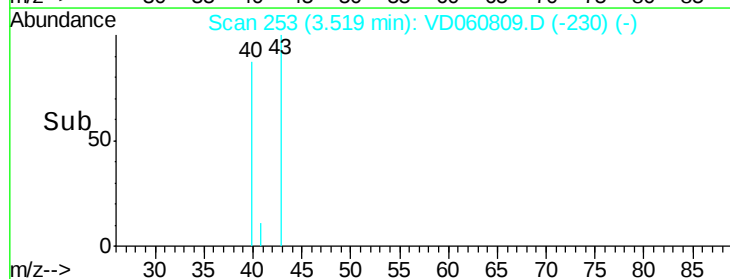
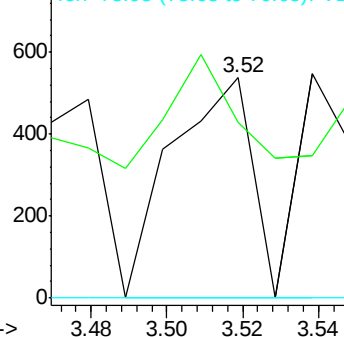
76 0.0 18.9 28.3#

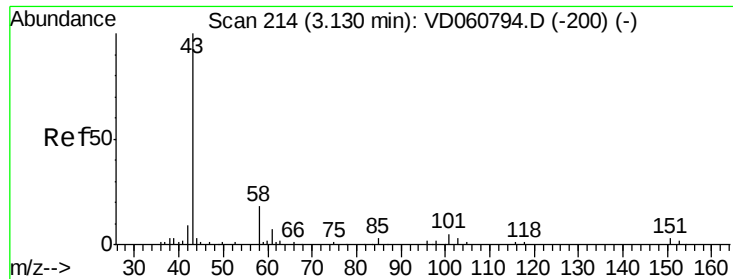


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 226.878 ug/l

RT: 3.14 min Scan# 215

Delta R.T. 0.01 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

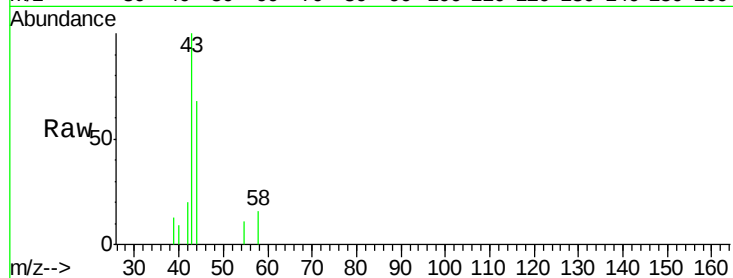
TP-7RE

Tot Ion: 43 Resp: 14081

Ion Ratio Lower Upper

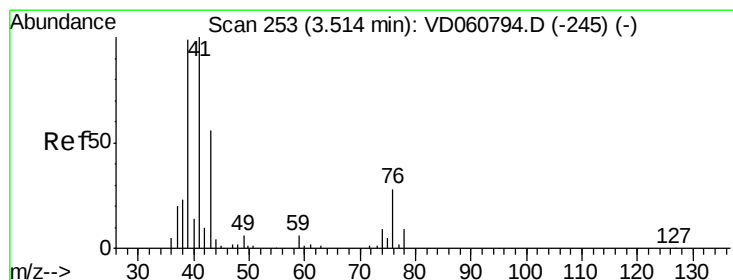
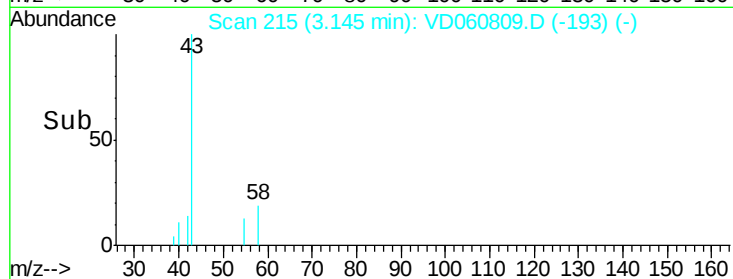
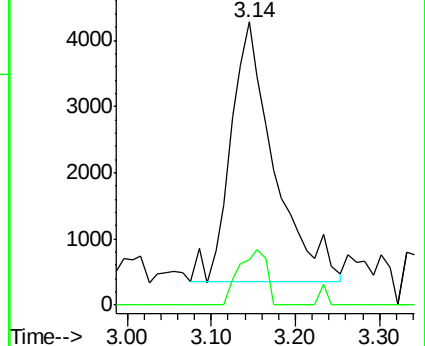
43 100

58 16.2 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 11.720 ug/l

RT: 3.49 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD060809.D

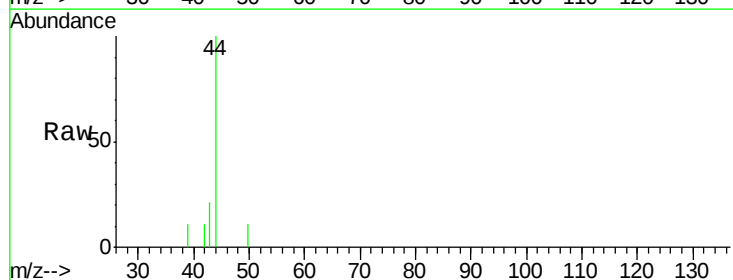
Acq: 30 Jan 2019 16:53

Tgt Ion: 43 Resp: 1442

Ion Ratio Lower Upper

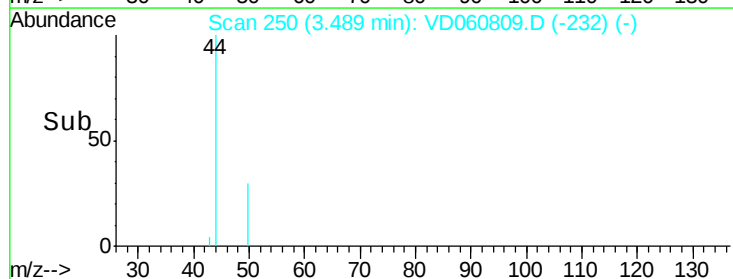
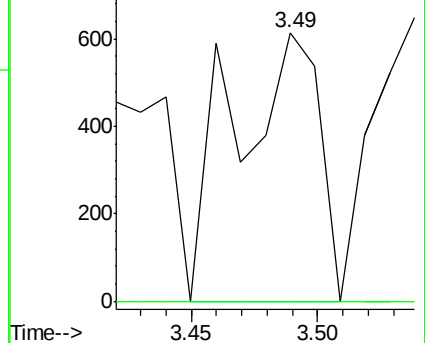
43 100

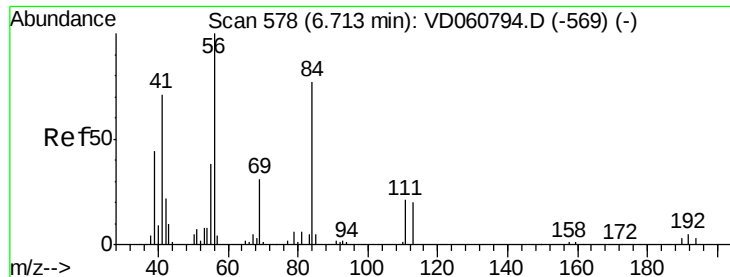
74 0.0 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

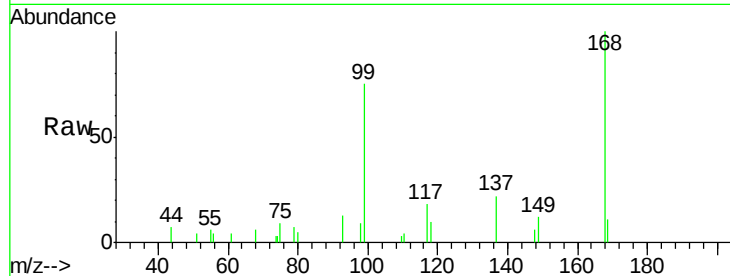




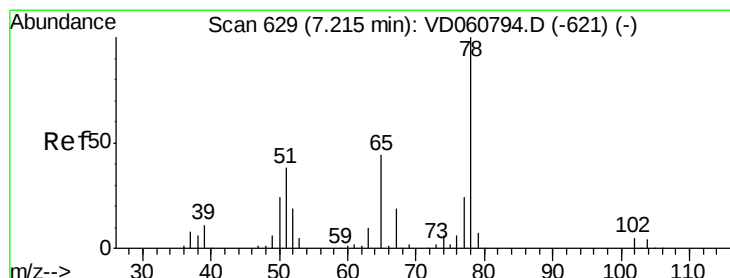
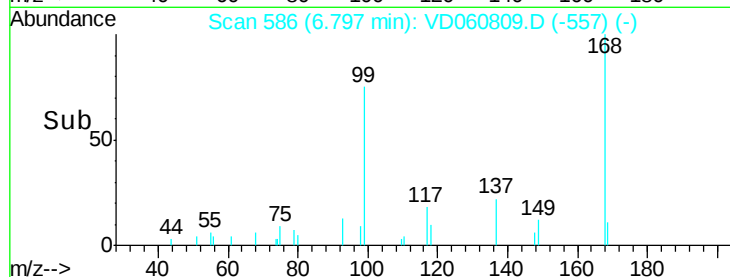
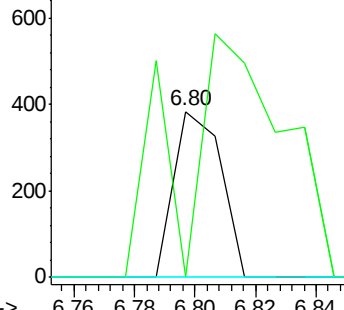
#31
Cyclohexane
Concen: 1.060 ug/l
RT: 6.80 min Scan# 586
Delta R.T. 0.08 min
Lab File: VD060809.D
Acq: 30 Jan 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

Tot Ion: 56 Resp: 418
Ion Ratio Lower Upper
56 100
69 0.0 25.1 37.7#
84 0.0 63.9 95.9#

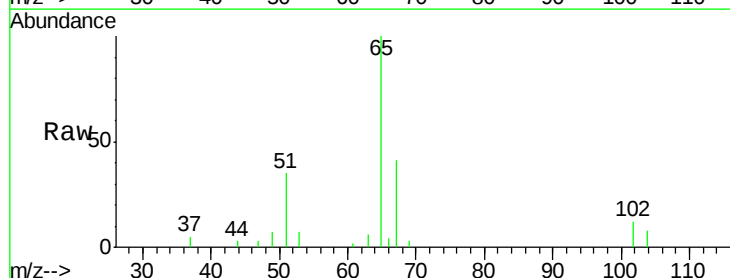


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

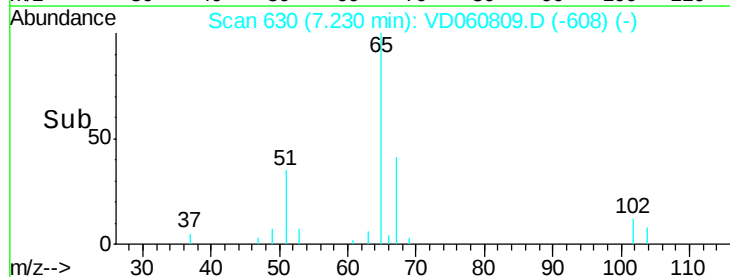
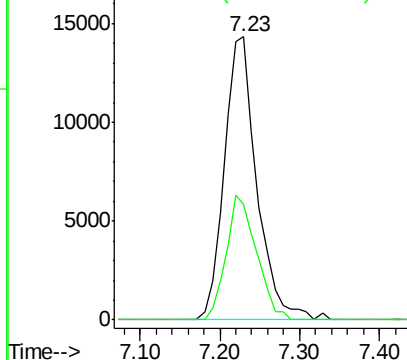


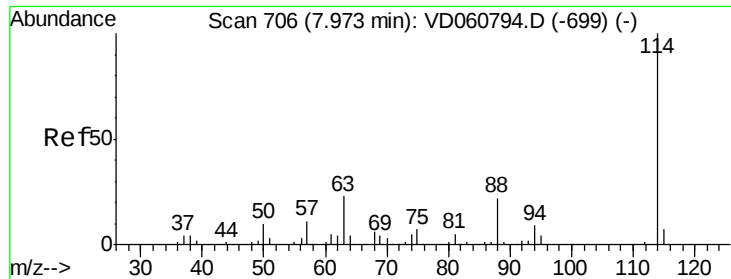
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.23 min Scan# 630
Delta R.T. 0.01 min
Lab File: VD060809.D
Acq: 30 Jan 2019 16:53

Tgt Ion: 65 Resp: 40879
Ion Ratio Lower Upper
65 100
67 40.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

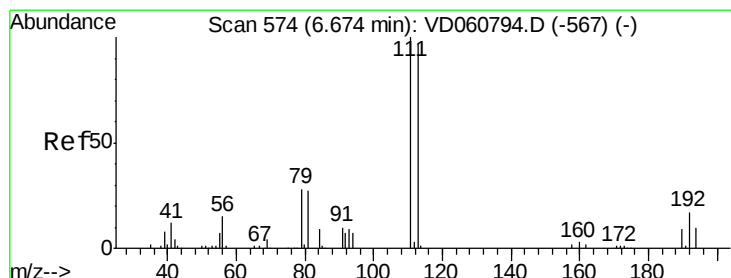
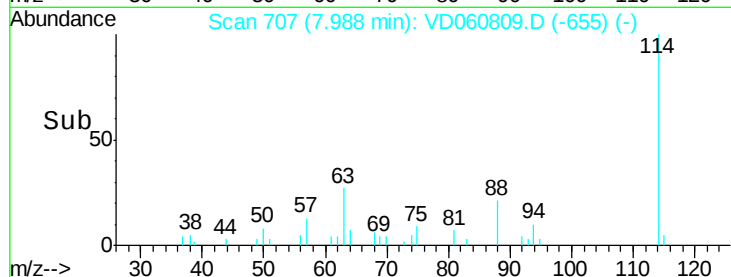
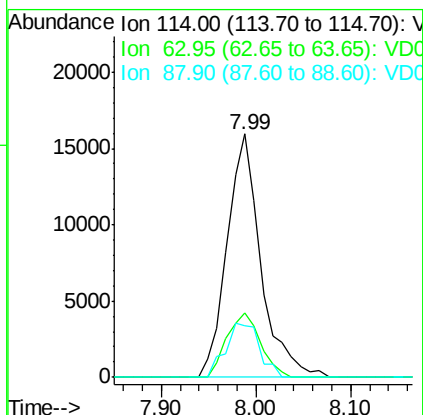
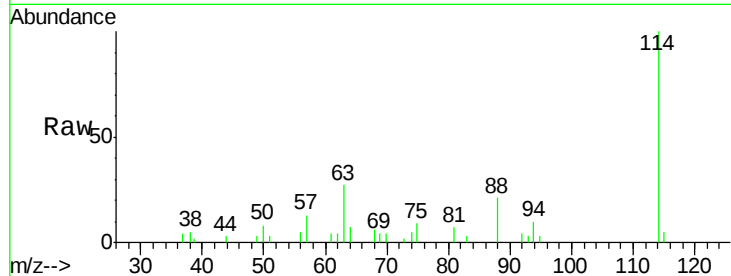




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.99 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VD060809.D
 Acq: 30 Jan 2019 16:53

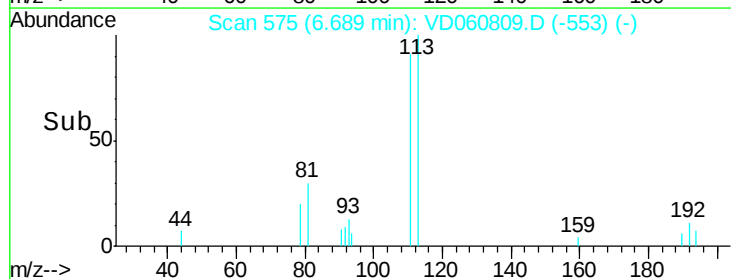
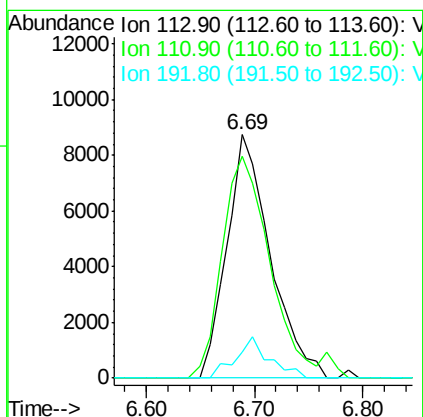
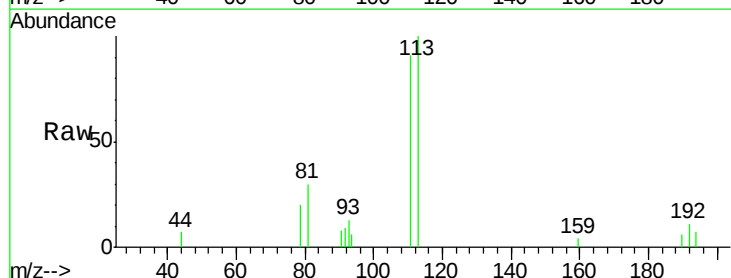
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7RE

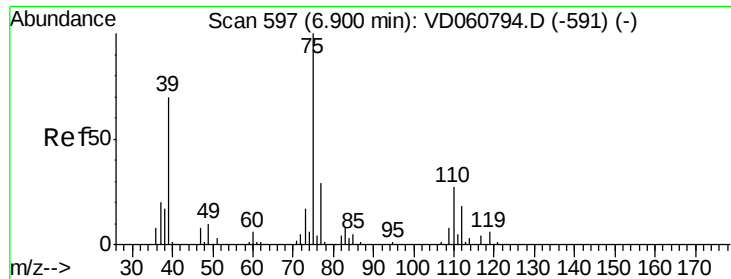
Tot Ion:114 Resp: 39470
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 46.6
 88 21.1 0.0 44.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VD060809.D
 Acq: 30 Jan 2019 16:53

Tgt Ion:113 Resp: 24425
 Ion Ratio Lower Upper
 113 100
 111 91.0 82.3 123.5
 192 10.6 14.4 21.6#





#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 6.82 min Scan# 588

Delta R.T. -0.08 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

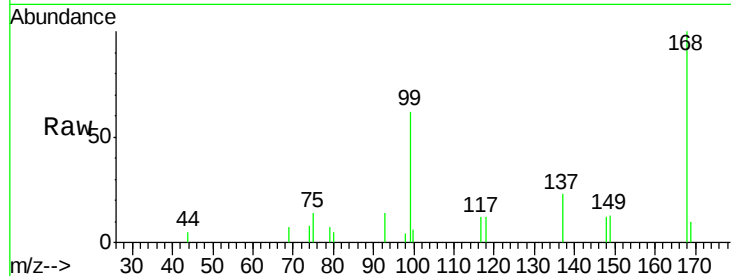
Tot Ion: 75 Resp: 2151

Ion Ratio Lower Upper

75 100

110 0.0 13.5 40.4#

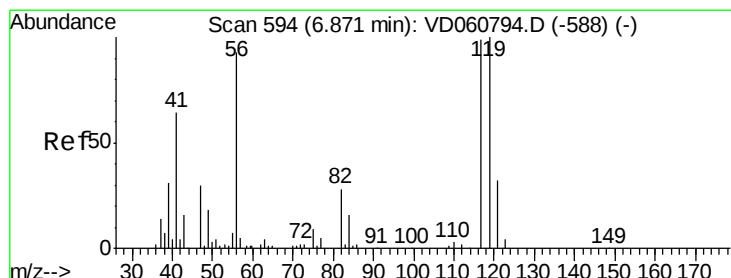
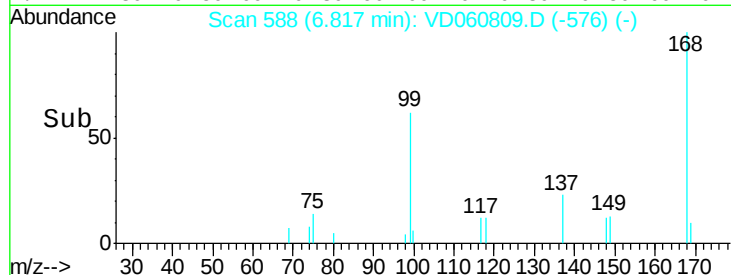
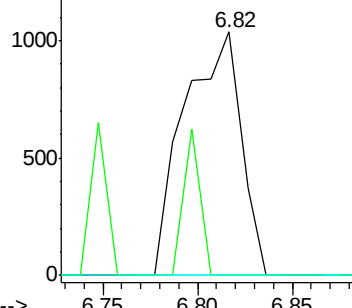
77 0.0 23.4 35.2#



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: 5.153 ug/l

RT: 6.80 min Scan# 586

Delta R.T. -0.07 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

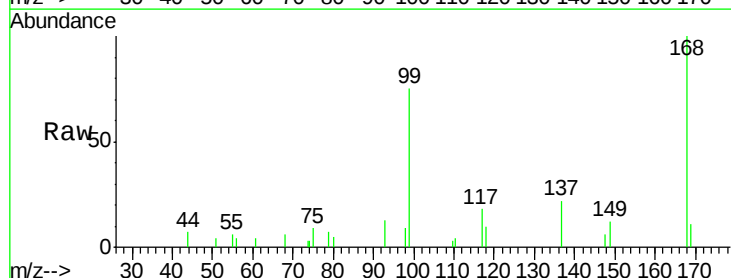
Tgt Ion: 117 Resp: 3045

Ion Ratio Lower Upper

117 100

119 0.0 75.6 113.4#

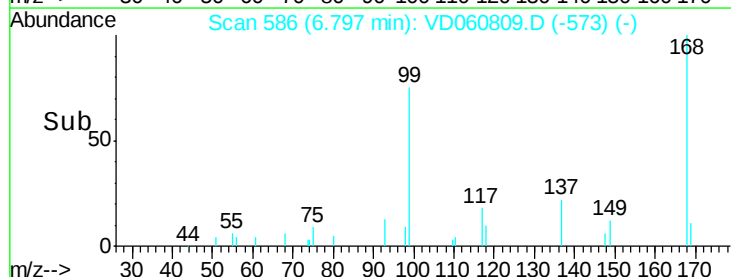
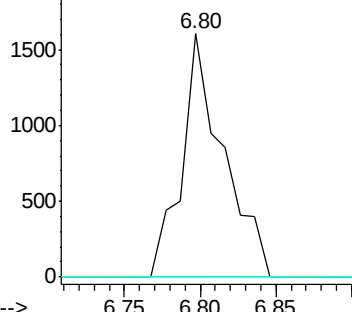
121 0.0 23.4 35.2#

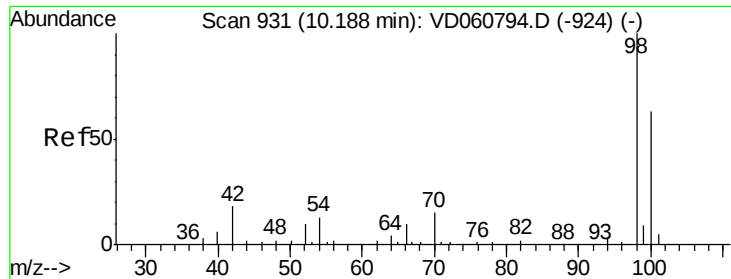


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

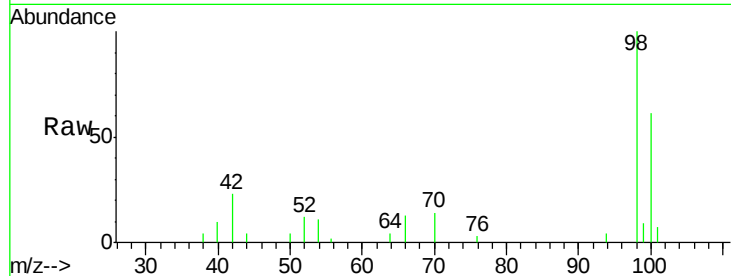




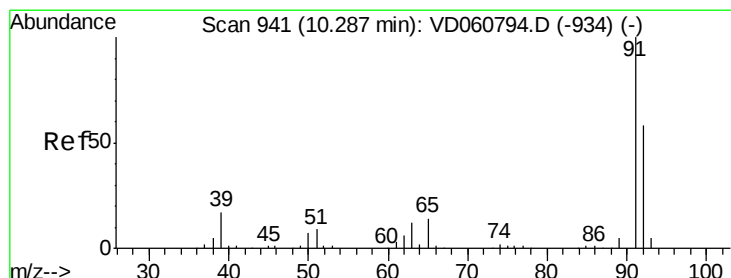
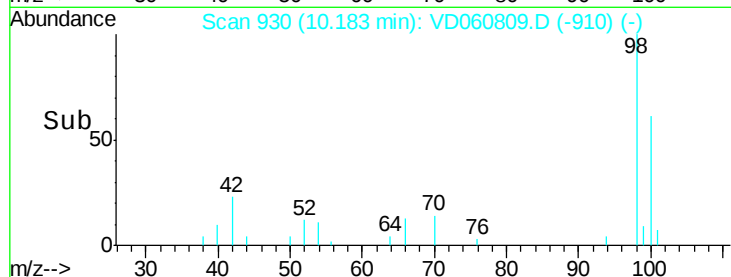
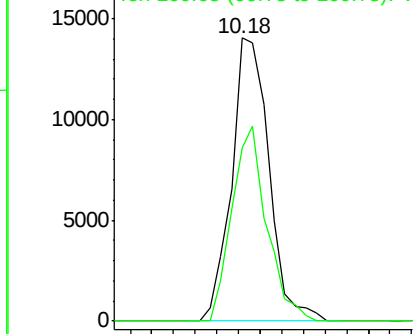
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.18 min Scan# 930
Delta R.T. -0.00 min
Lab File: VD060809.D
Acq: 30 Jan 2019 16:53

Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

Tot Ion: 98 Resp: 33727
Ion Ratio Lower Upper
98 100
100 61.4 51.0 76.6

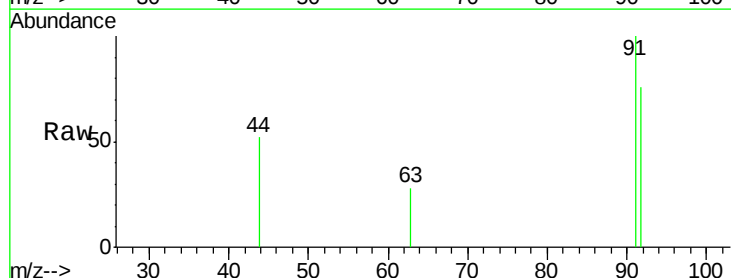


Abundance Ion 98.05 (97.75 to 98.75): VD060794.D (-924) (-)
Ion 100.05 (99.75 to 100.75): VD060794.D (-924) (-)

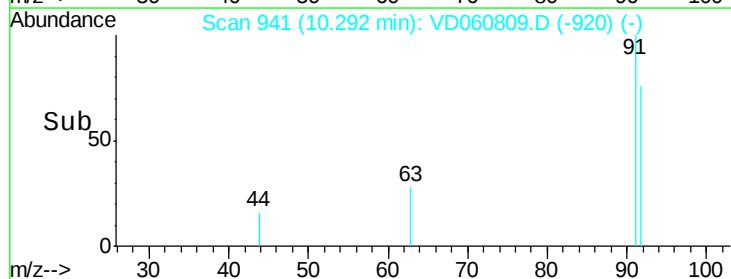
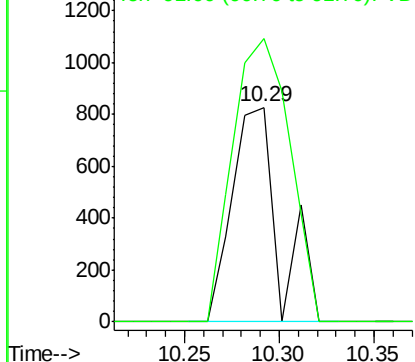


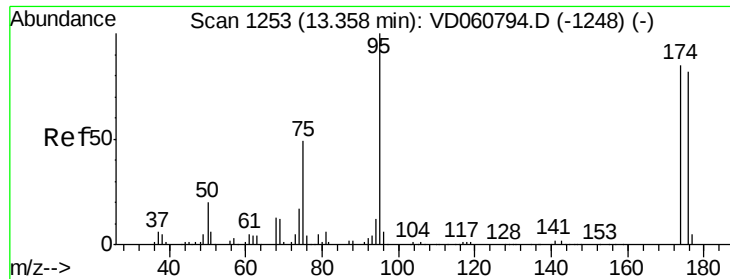
#52
Toluene
Concen: 2.407 ug/l
RT: 10.29 min Scan# 941
Delta R.T. 0.01 min
Lab File: VD060809.D
Acq: 30 Jan 2019 16:53

Tgt Ion: 92 Resp: 1420
Ion Ratio Lower Upper
92 100
91 131.9 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VD060794.D (-934) (-)
Ion 91.00 (90.70 to 91.70): VD060794.D (-934) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.35 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

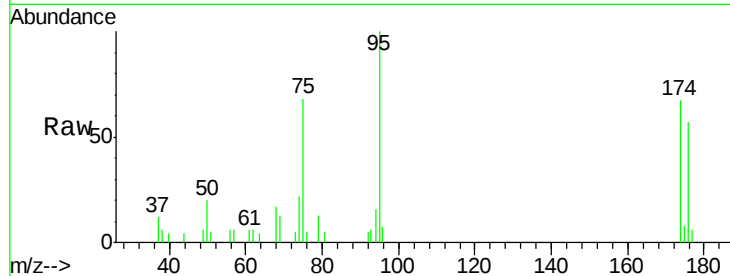
Tot Ion: 95 Resp: 9263

Ion Ratio Lower Upper

95 100

174 67.4 0.0 169.6

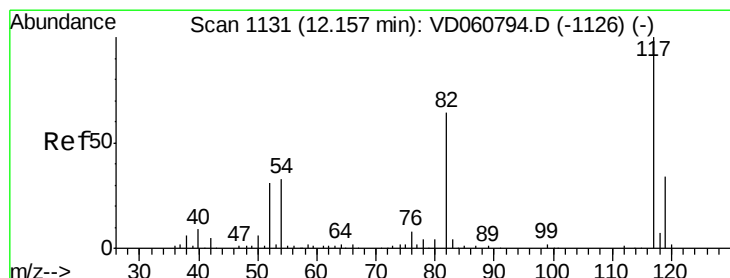
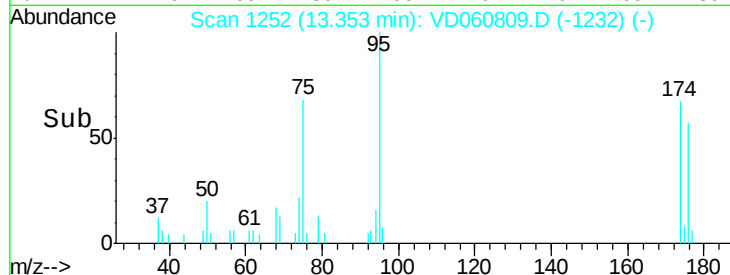
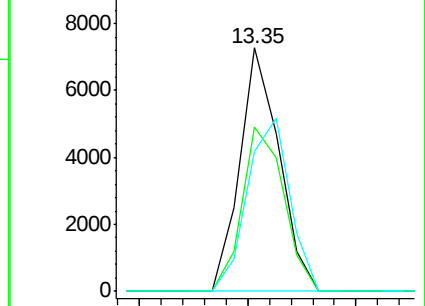
176 57.3 0.0 163.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.16 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

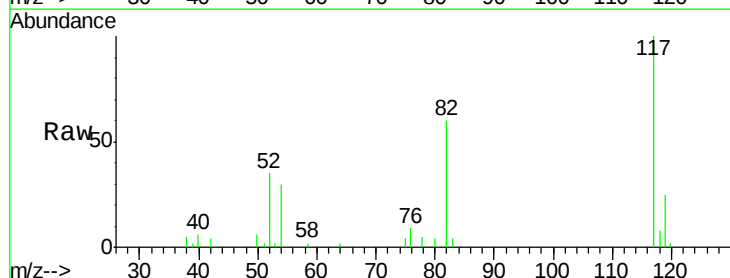
Tgt Ion: 117 Resp: 24964

Ion Ratio Lower Upper

117 100

82 59.6 51.5 77.3

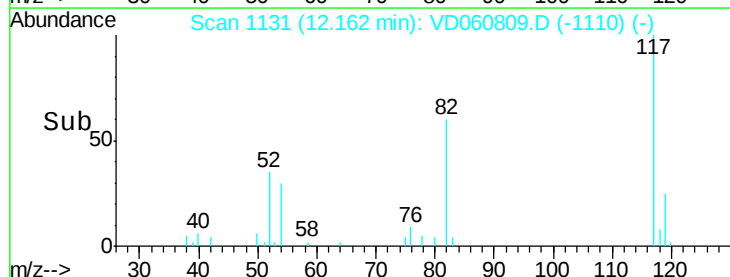
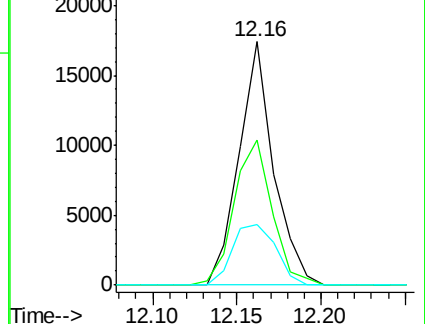
119 24.9 27.1 40.7#

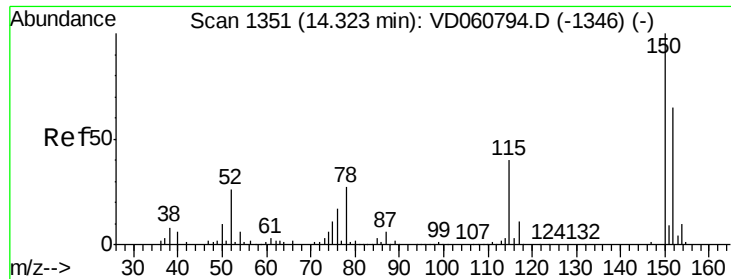


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

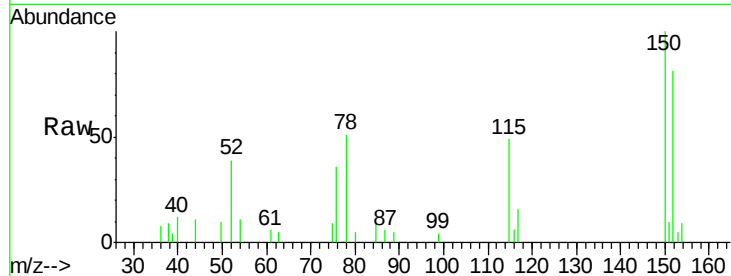
Tot Ion:152 Resp: 7200

Ion Ratio Lower Upper

152 100

115 59.8 31.6 95.0

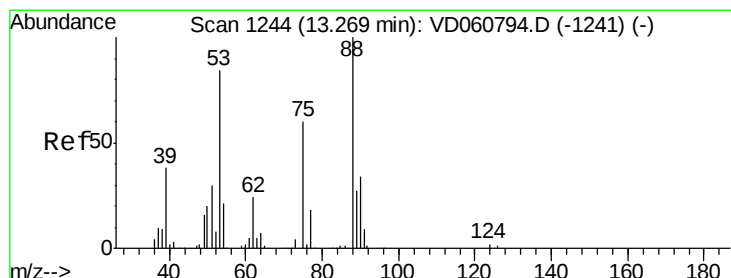
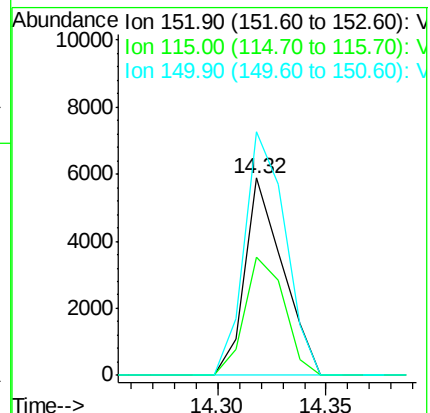
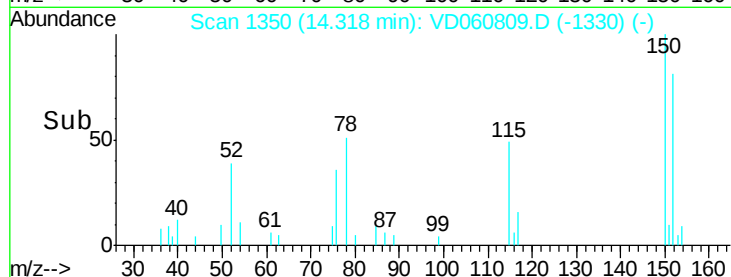
150 123.4 0.0 317.6



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: 160.916 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. 0.08 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

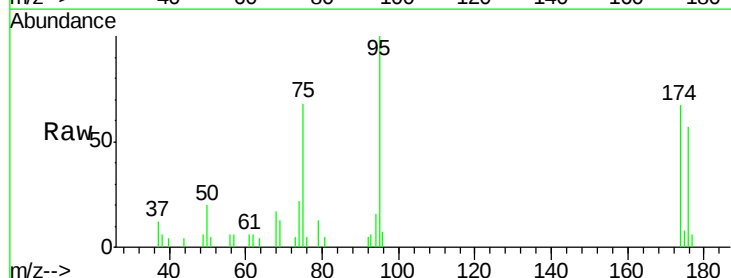
Tgt Ion: 75 Resp: 5539

Ion Ratio Lower Upper

75 100

53 0.0 111.6 167.4#

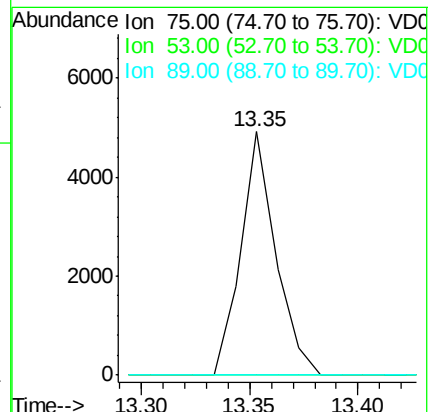
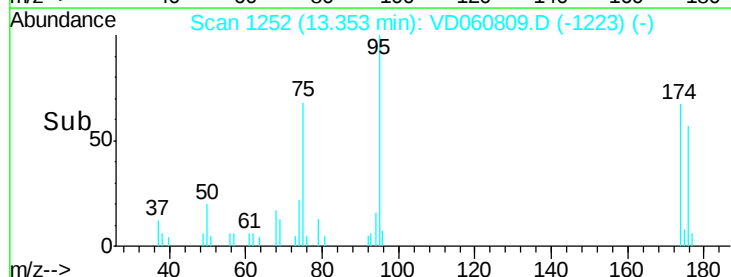
89 0.0 35.9 53.9#

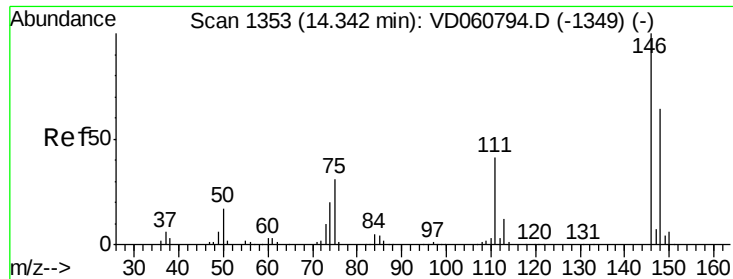


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#88

1,4-Dichlorobenzene

Concen: 2.332 ug/l

RT: 14.34 min Scan# 1352

Delta R.T. -0.00 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

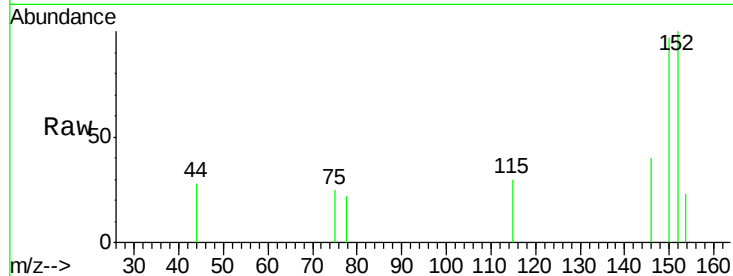
Tot Ion:146 Resp: 598

Ion Ratio Lower Upper

146 100

111 0.0 20.6 61.8#

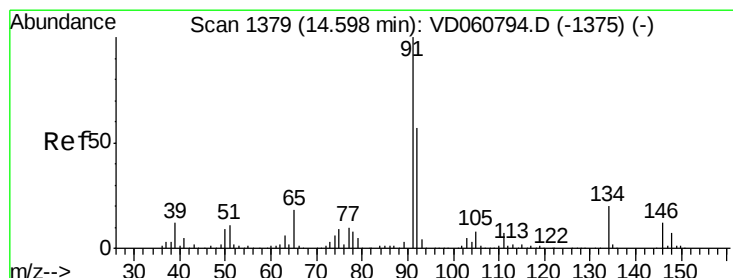
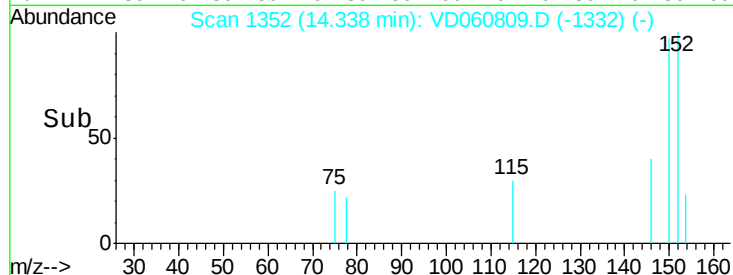
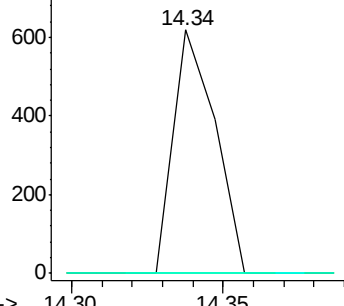
148 0.0 31.9 95.7#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.171 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

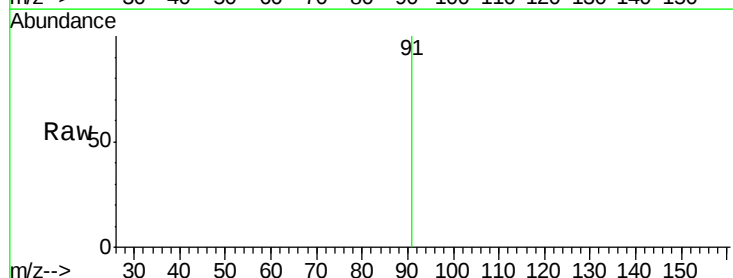
Tgt Ion: 91 Resp: 584

Ion Ratio Lower Upper

91 100

92 0.0 28.5 85.5#

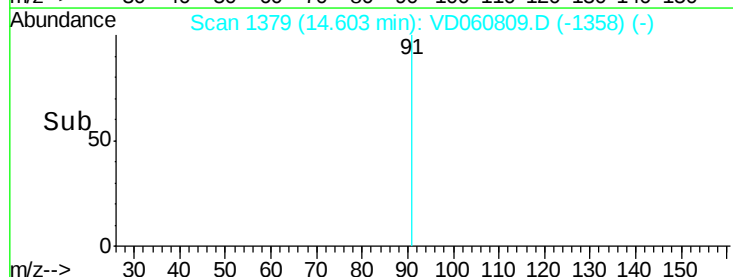
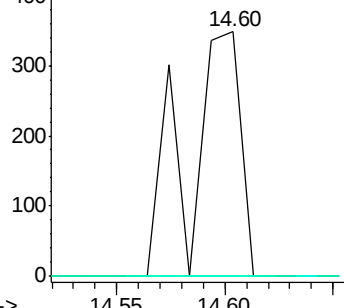
134 0.0 10.0 29.8#

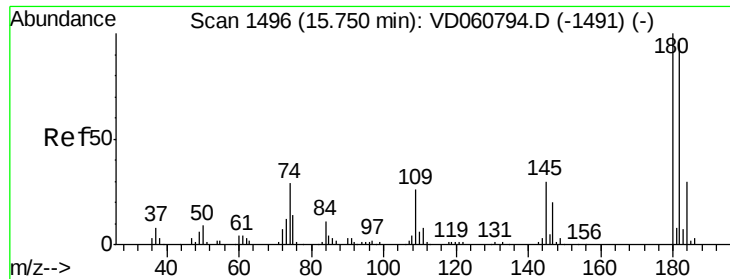


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

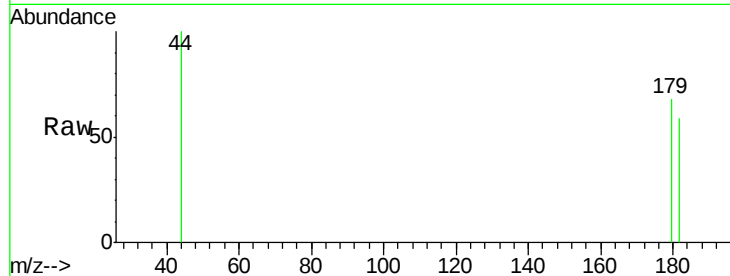




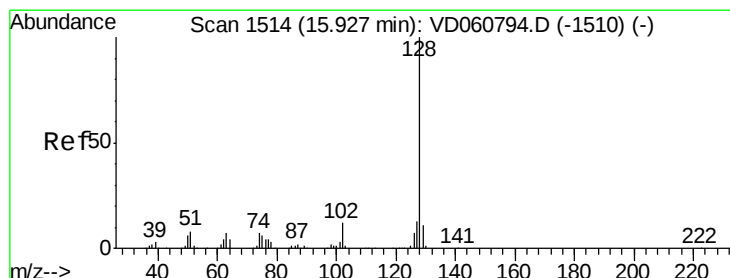
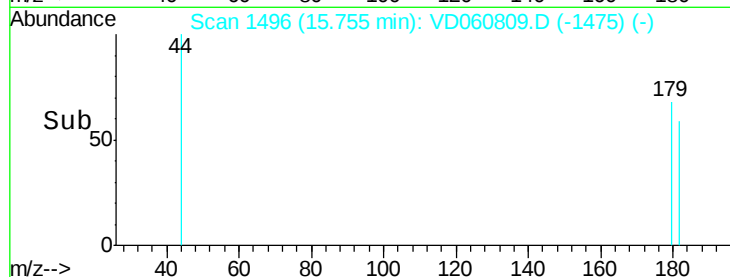
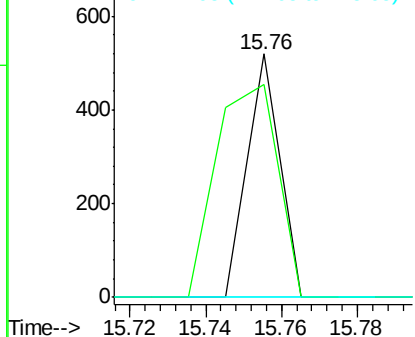
#93
 1,2,4-Trichlorobenzene
 Concen: 1.618 ug/l
 RT: 15.76 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060809.D
 Acq: 30 Jan 2019 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7RE

Tot Ion:180 Resp: 307
 Ion Ratio Lower Upper
 180 100
 182 87.3 47.9 143.7
 145 0.0 15.0 45.1#

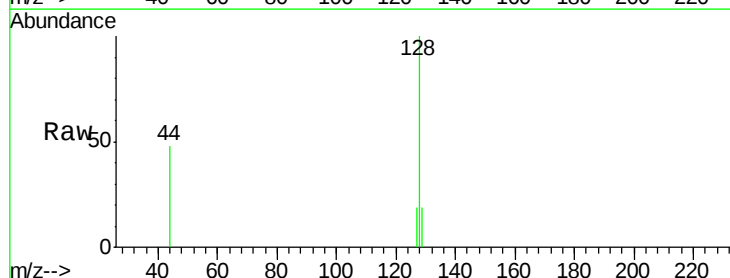


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

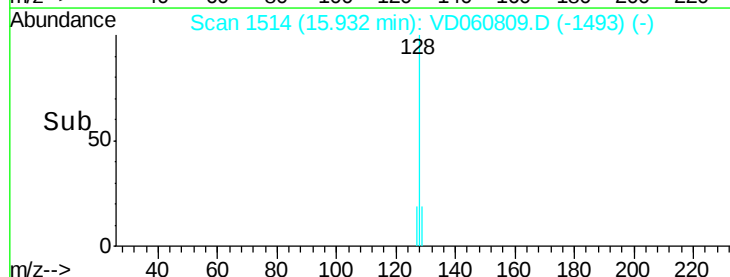
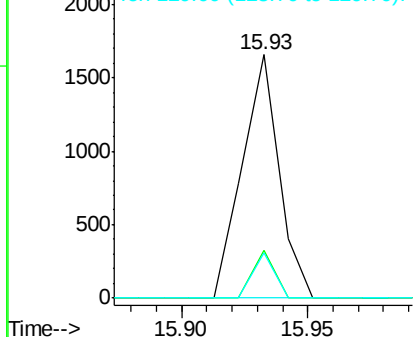


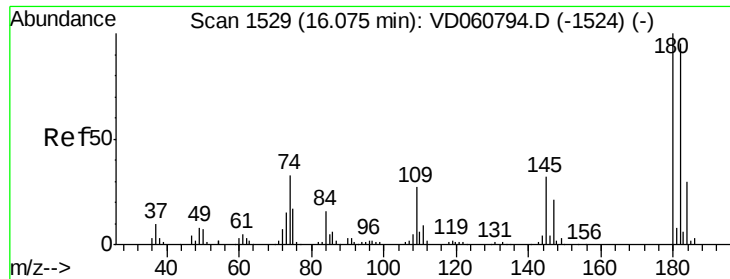
#95
 Naphthalene
 Concen: 5.750 ug/l
 RT: 15.93 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: VD060809.D
 Acq: 30 Jan 2019 16:53

Tgt Ion:128 Resp: 1676
 Ion Ratio Lower Upper
 128 100
 127 16.3 10.4 15.6#
 129 15.7 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.255 ug/l

RT: 16.08 min Scan# 1529

Delta R.T. 0.01 min

Lab File: VD060809.D

Acq: 30 Jan 2019 16:53

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

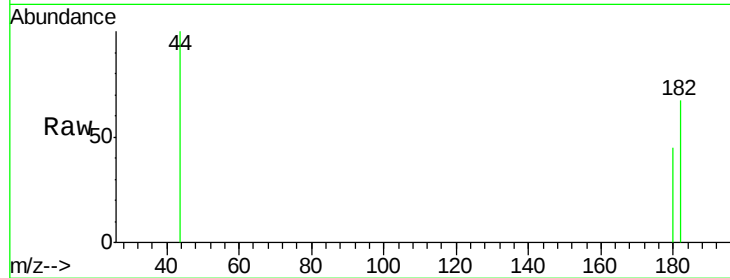
Tot Ion:180 Resp: 207

Ion Ratio Lower Upper

180 100

182 151.1 47.4 142.3#

145 0.0 15.8 47.4#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

