

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063201.D
 Acq On : 29 Jul 2019 16:12
 Operator : VA/AP
 Sample : K4021-09RE
 Misc : 9.01g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7RE

Quant Time: Jul 30 03:16:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	761438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1006787	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	603586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	174202	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	502284	59.45	ug/l	0.00
Spiked Amount			Recovery	=	118.90%	
35) Dibromofluoromethane	6.92	113	578323	67.28	ug/l	0.01
Spiked Amount			Recovery	=	134.56%	
50) Toluene-d8	10.40	98	1110129	57.71	ug/l	0.00
Spiked Amount			Recovery	=	115.42%	
62) 4-Bromofluorobenzene	13.56	95	274606	31.32	ug/l	0.00
Spiked Amount			Recovery	=	62.64%	

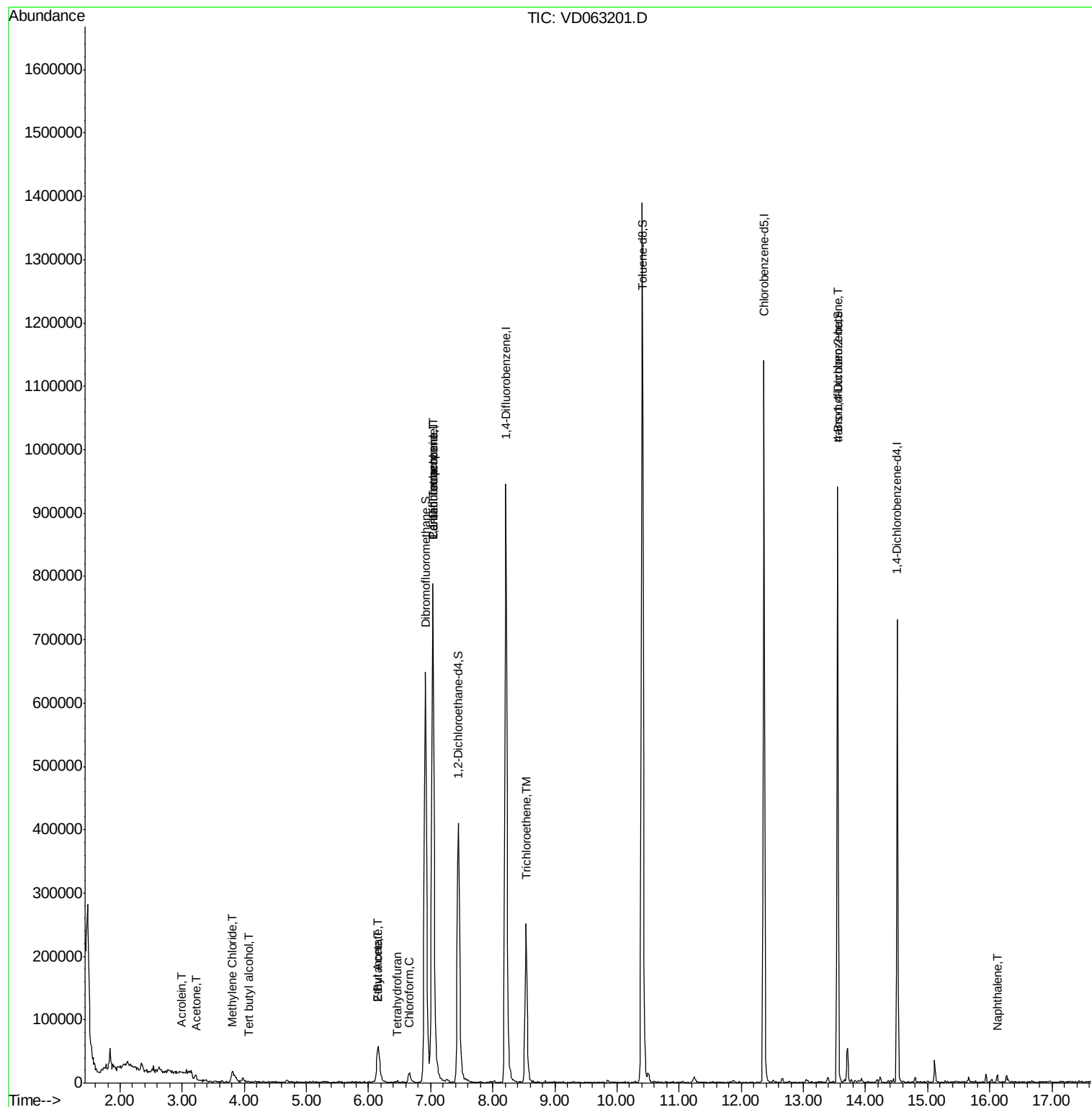
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	1233	3.325	ug/l #	69
13) Acrolein	2.98	56	1273	3.567	ug/l	97
16) Acetone	3.21	43	15626	9.492	ug/l	98
20) Methylene Chloride	3.80	84	8714	1.310	ug/l #	69
25) 2-Butanone	6.15	43	4701	2.846	ug/l	93
29) Tetrahydrofuran	6.46	42	793	1.014	ug/l #	58
30) Chloroform	6.65	83	16775	1.126	ug/l	91
36) 1,1-Dichloropropene	7.03	75	57113	6.216	ug/l #	51
37) Ethyl Acetate	6.15	43	4930	1.194	ug/l #	4
38) Carbon Tetrachloride	7.04	117	81169	5.868	ug/l #	15
44) Trichloroethene	8.53	130	107320	13.754	ug/l	79
81) trans-1,4-Dichloro-2-buten	13.55	75	123306	212.225	ug/l #	3
95) Naphthalene	16.12	128	6922	1.285	ug/l #	69

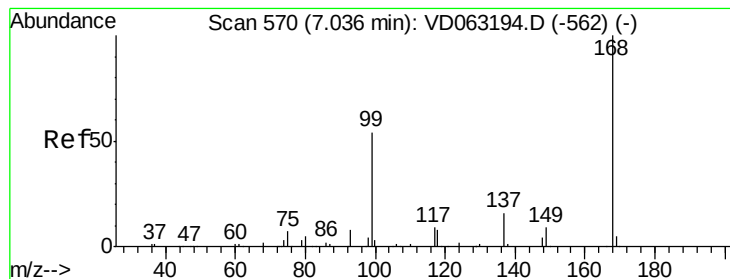
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

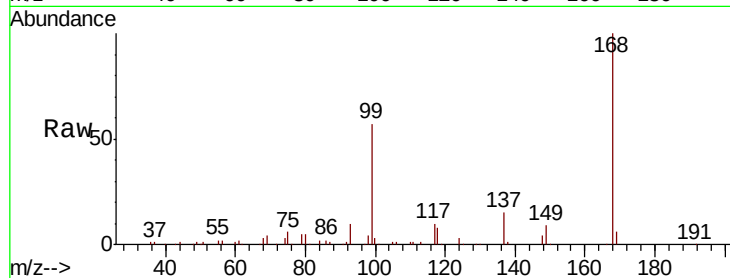
TP-7RE

Tot Ion:168 Resp: 761438

Ion Ratio Lower Upper

168 100

99 57.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

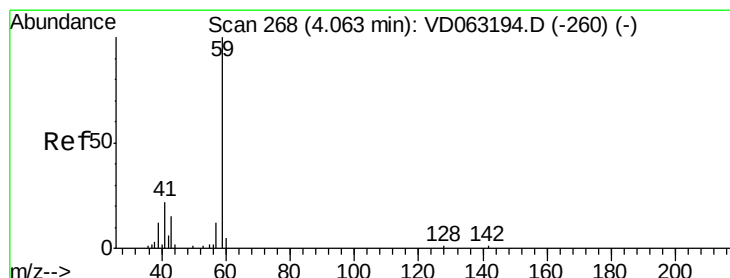
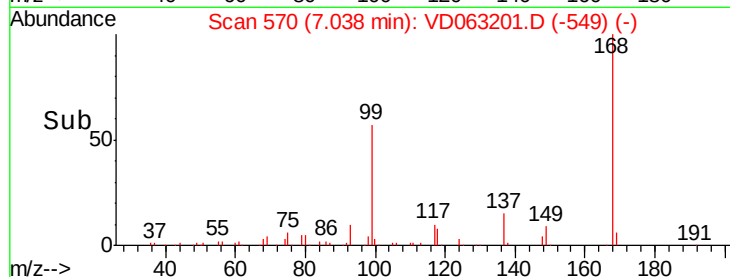
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 3.325 ug/l

RT: 4.07 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD063201.D

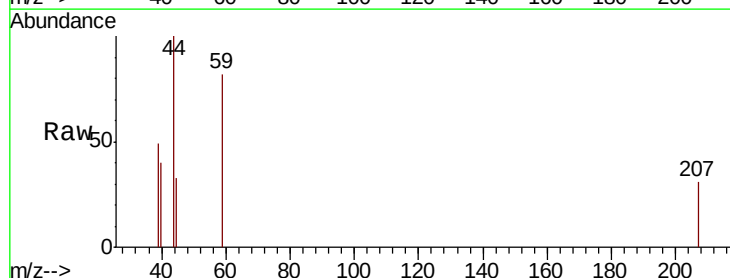
Acq: 29 Jul 2019 16:12

Tgt Ion: 59 Resp: 1233

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.07

1000

800

600

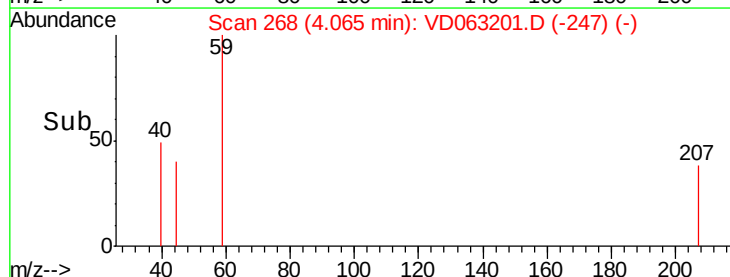
400

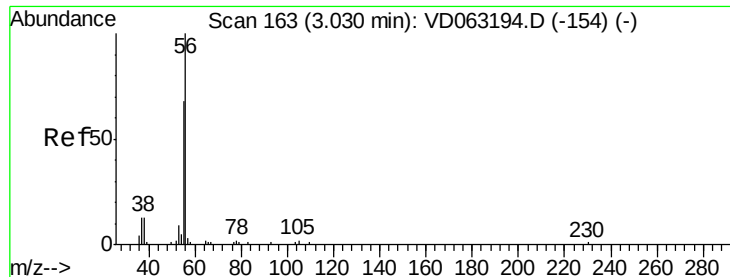
200

0

4.05 4.10

Time-->





#13

Acrolein

Concen: 3.567 ug/l

RT: 2.98 min Scan# 158

Delta R.T. -0.05 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

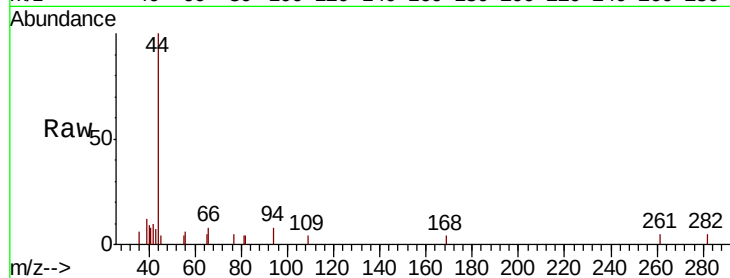
TP-7RE

Tot Ion: 56 Resp: 1273

Ion Ratio Lower Upper

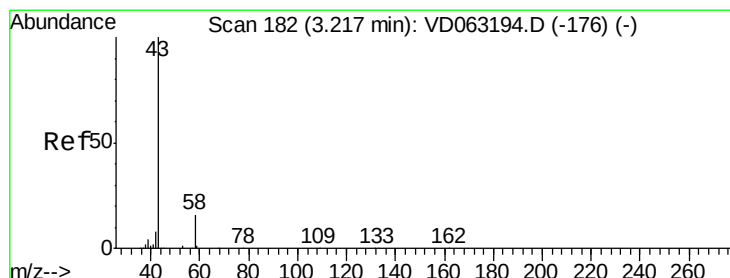
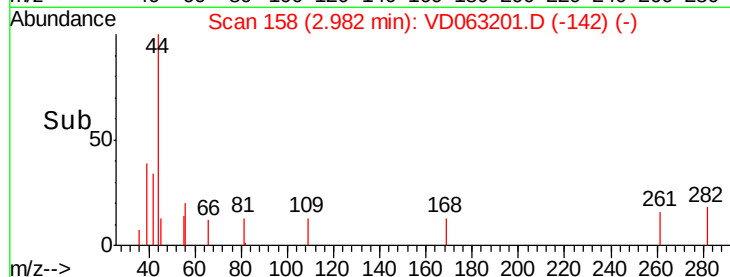
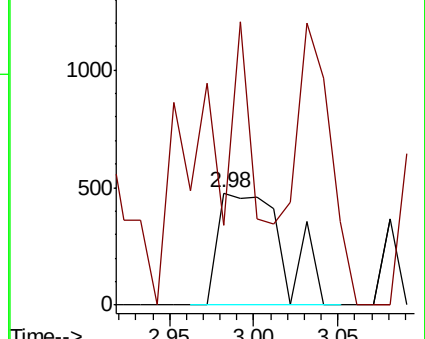
56 100

55 71.5 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 9.492 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063201.D

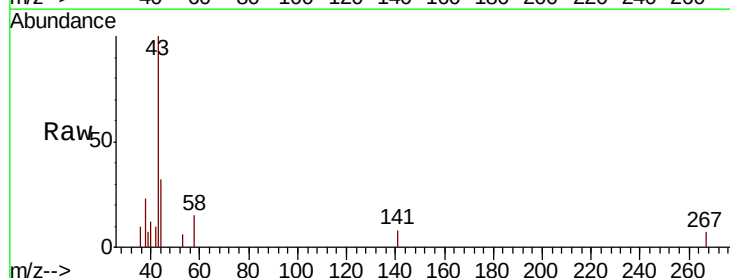
Acq: 29 Jul 2019 16:12

Tgt Ion: 43 Resp: 15626

Ion Ratio Lower Upper

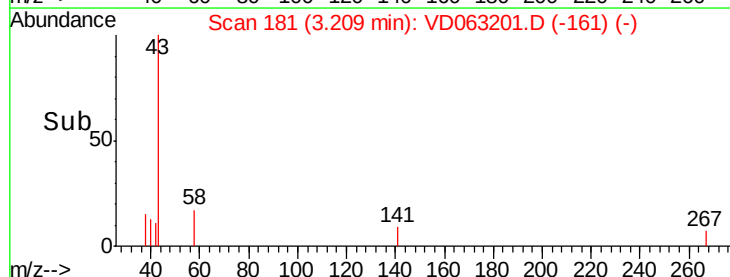
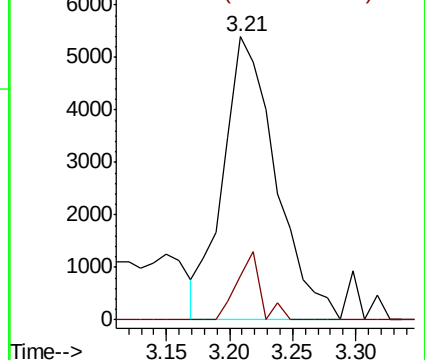
43 100

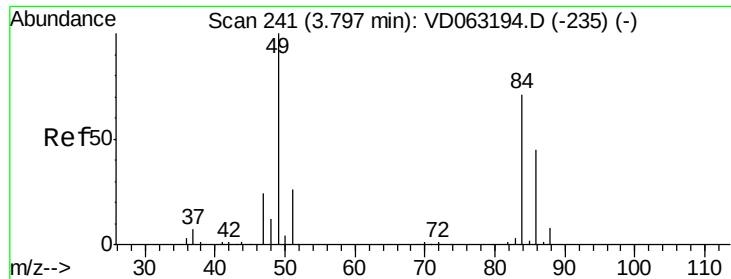
58 15.5 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

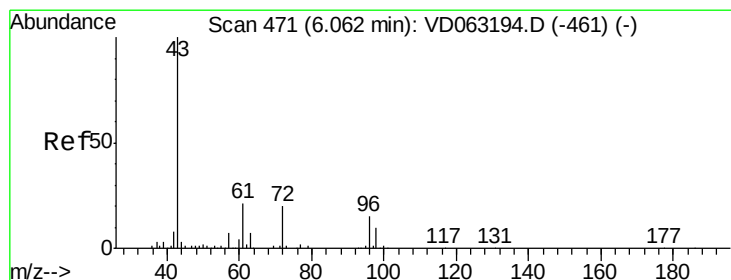
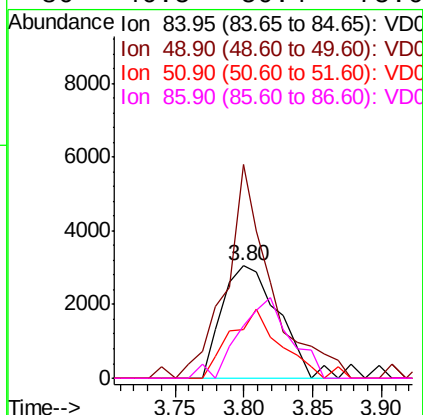
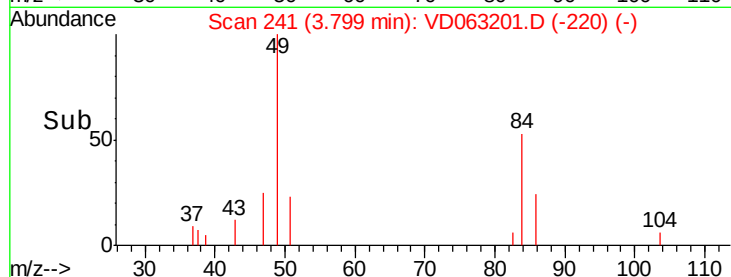
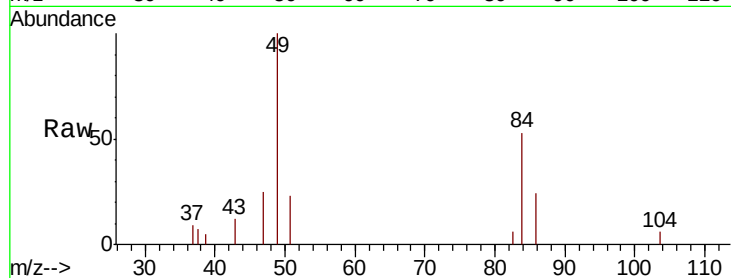




#20
Methvlene Chloride
Concen: 1.310 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

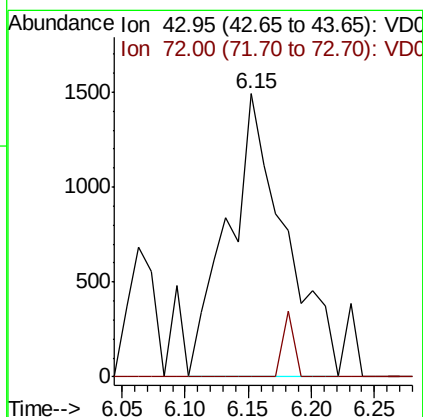
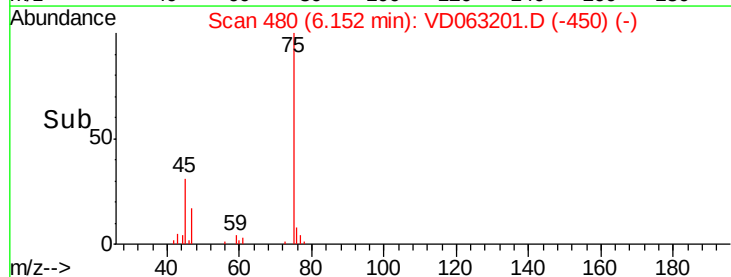
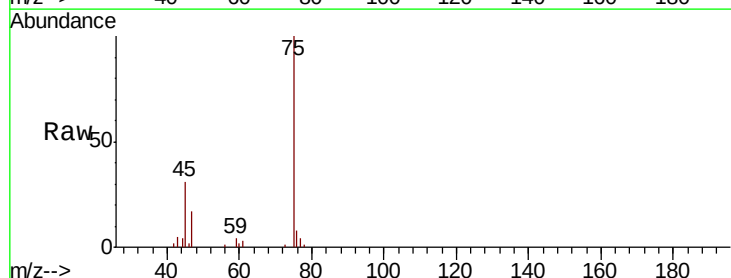
Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

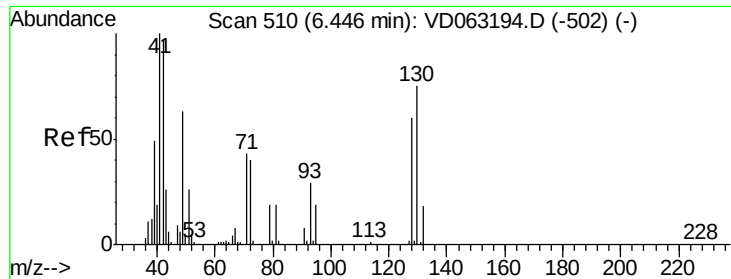
Tot Ion: 84 Resp: 8714
Ion Ratio Lower Upper
84 100
49 190.4 112.5 168.7#
51 43.7 29.6 44.4
86 46.5 50.4 75.6#



#25
2-Butanone
Concen: 2.846 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Tgt Ion: 43 Resp: 4701
Ion Ratio Lower Upper
43 100
72 23.5 16.3 24.5





#29

Tetrahydrofuran

Concen: 1.014 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

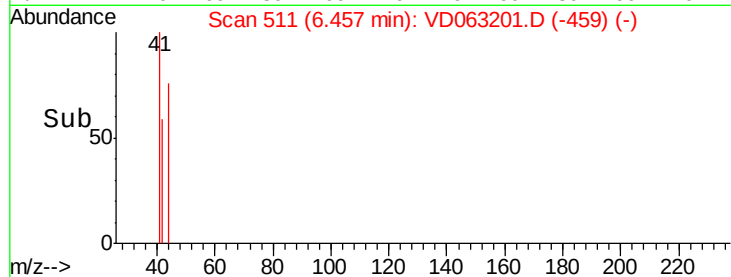
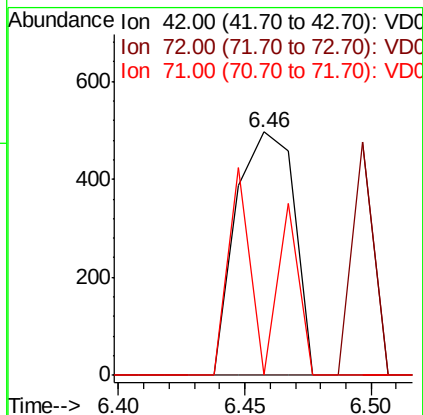
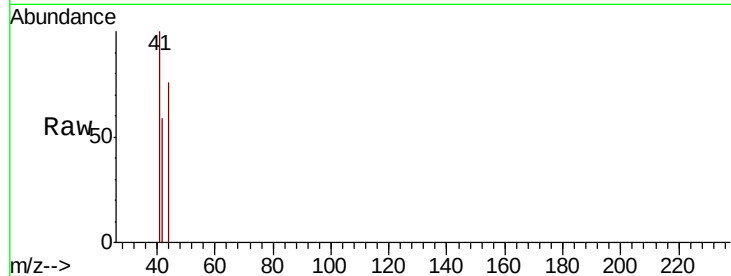
Tot Ion: 42 Resp: 793

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 57.8 35.7 53.5#



#30

Chloroform

Concen: 1.126 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063201.D

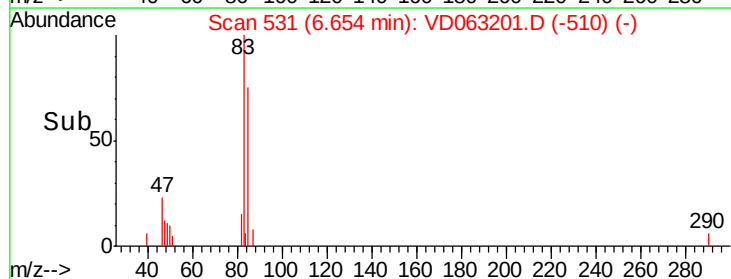
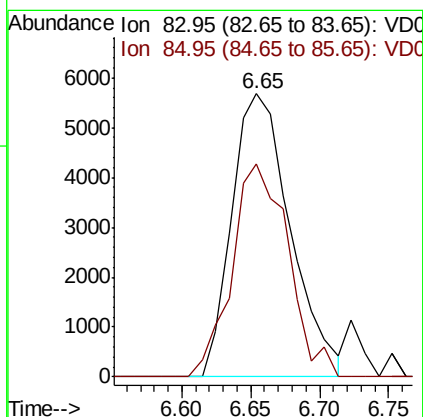
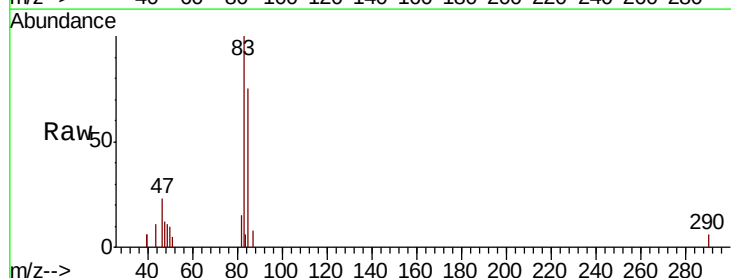
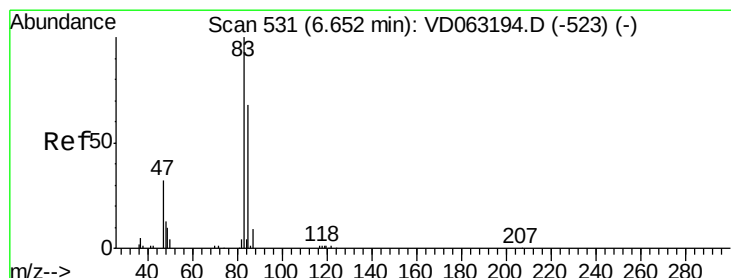
Acq: 29 Jul 2019 16:12

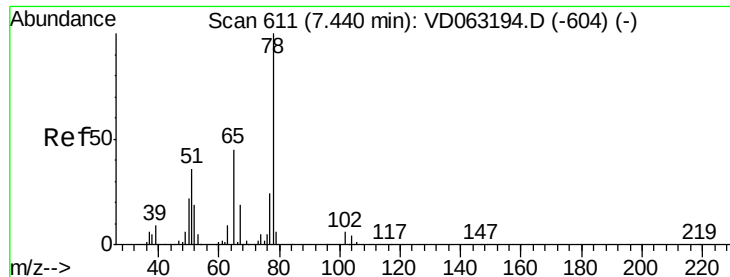
Tgt Ion: 83 Resp: 16775

Ion Ratio Lower Upper

83 100

85 75.1 54.2 81.4





#33

1,2-Dichloroethane-d4

Concen: 59.450 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

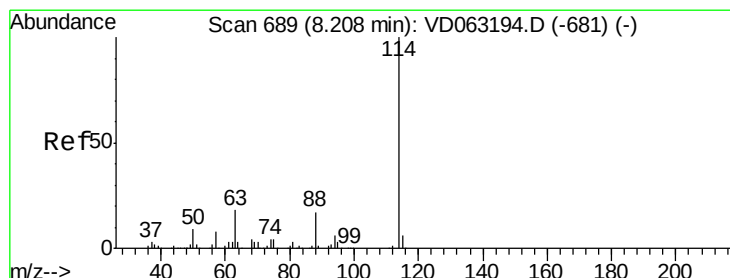
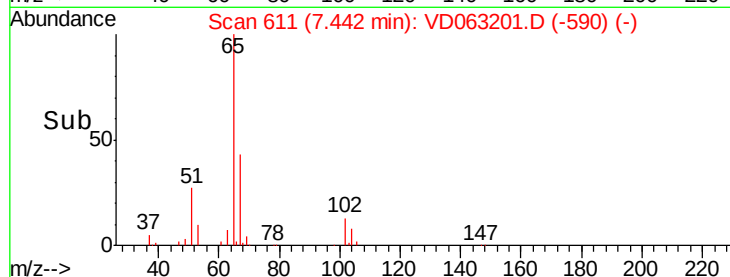
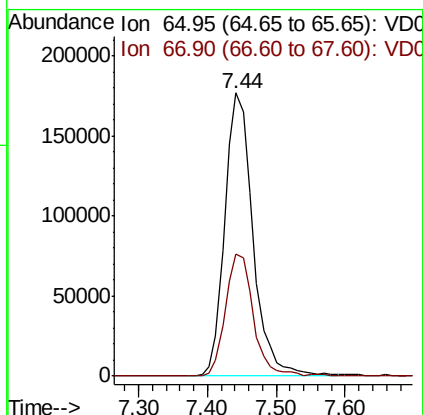
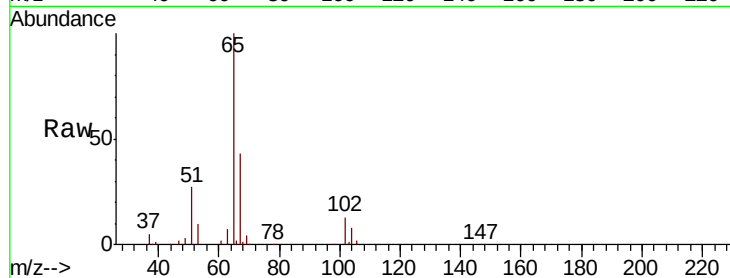
TP-7RE

Tot Ion: 65 Resp: 502284

Ion Ratio Lower Upper

65 100

67 43.0 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

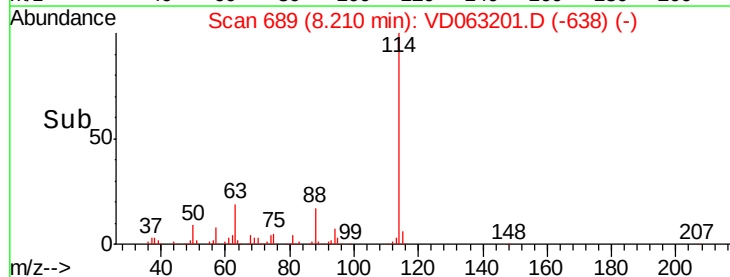
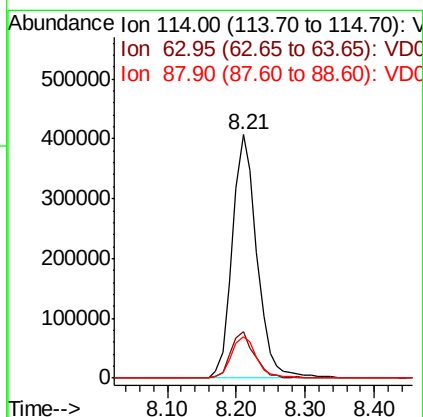
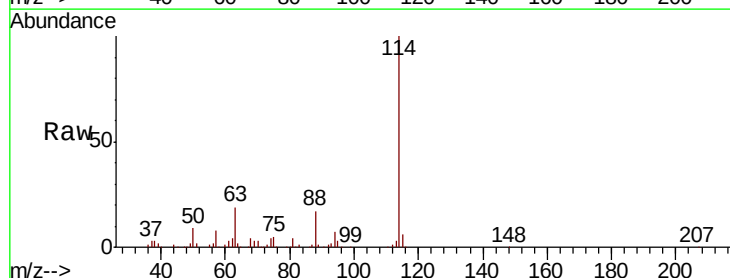
Tgt Ion: 114 Resp: 1006787

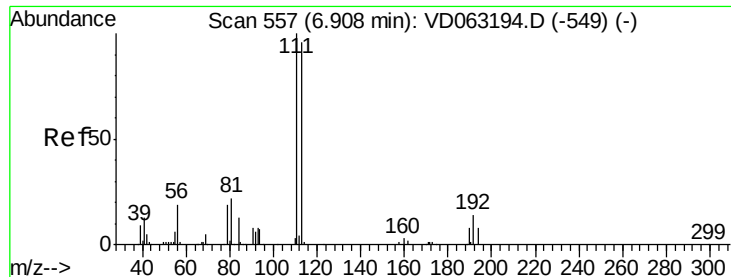
Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.2

88 16.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 67.280 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampled :

TP-7RE

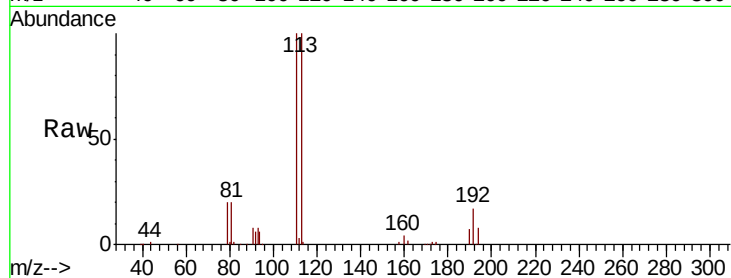
Tot Ion:113 Resp: 578323

Ion Ratio Lower Upper

113 100

111 99.8 83.2 124.8

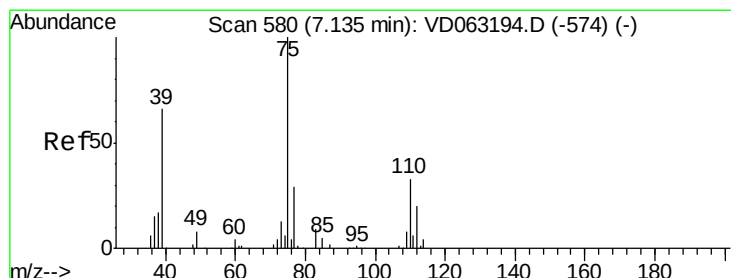
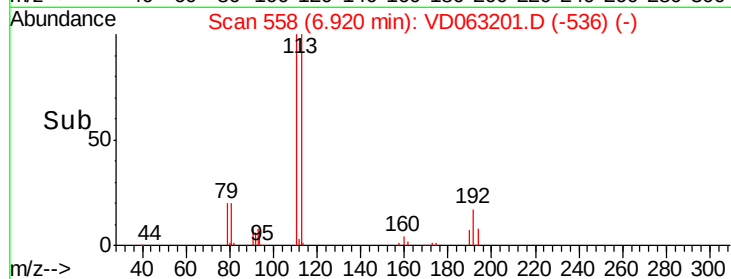
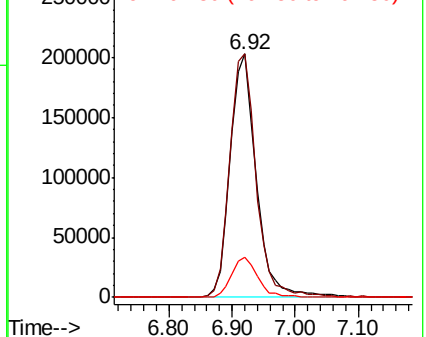
192 16.7 11.8 17.8



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: 6.216 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

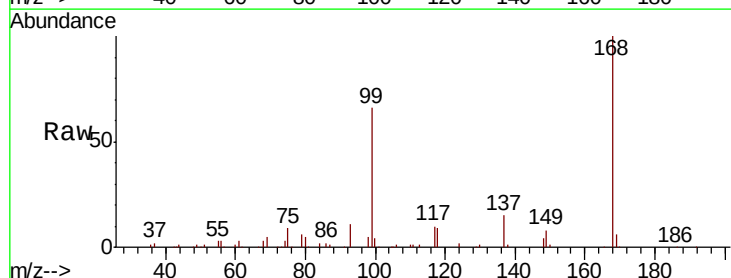
Tgt Ion: 75 Resp: 57113

Ion Ratio Lower Upper

75 100

110 6.8 16.1 48.2#

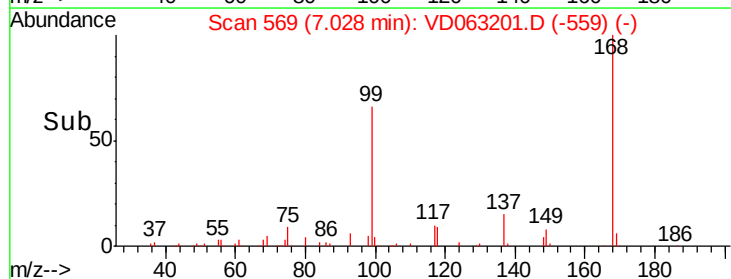
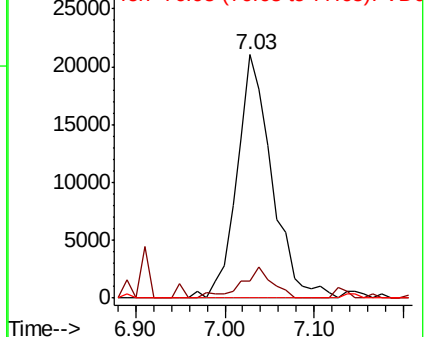
77 0.0 22.7 34.1#

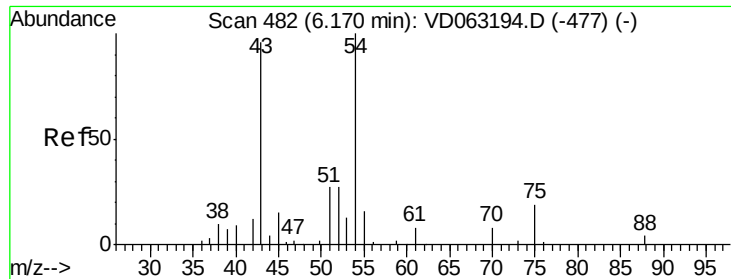


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

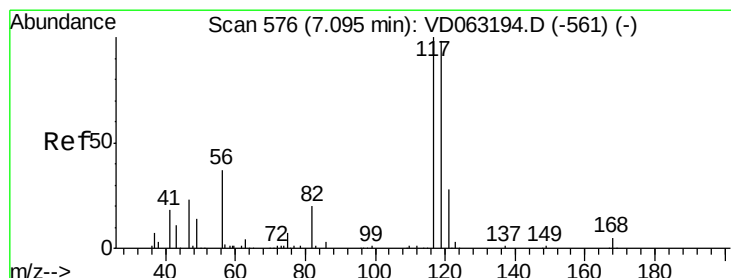
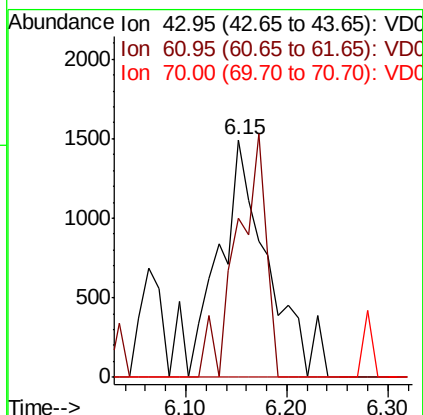
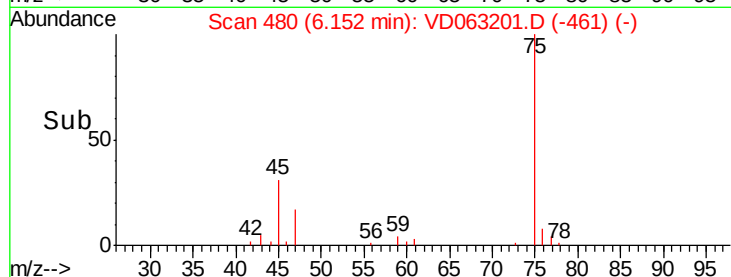
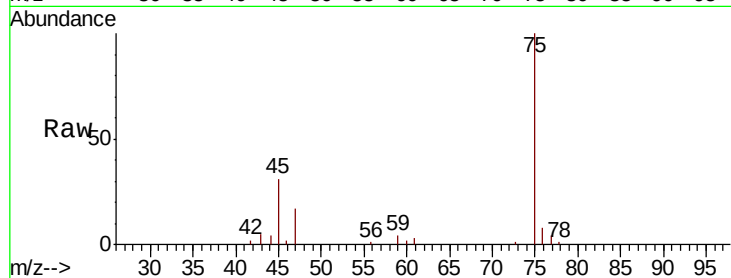




#37
Ethyl Acetate
Concen: 1.194 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.02 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

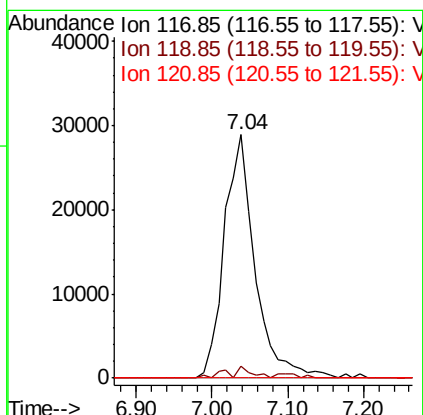
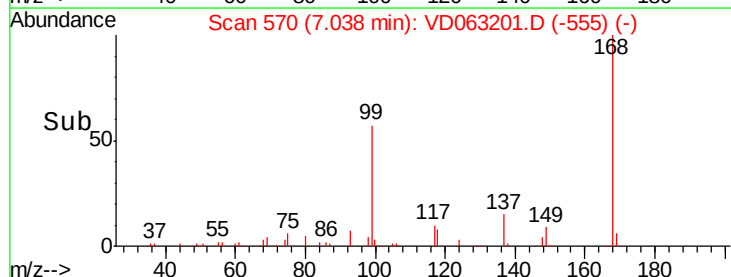
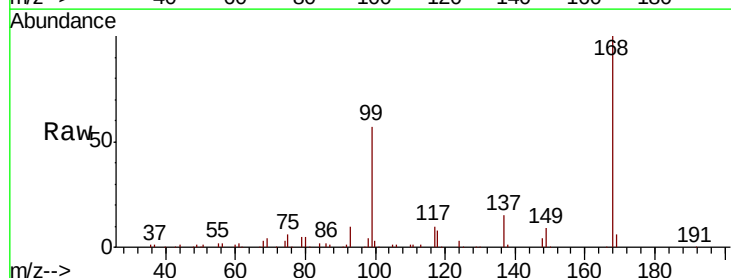
Instrument :
MSVOA_D
ClientSampleID :
TP-7RE

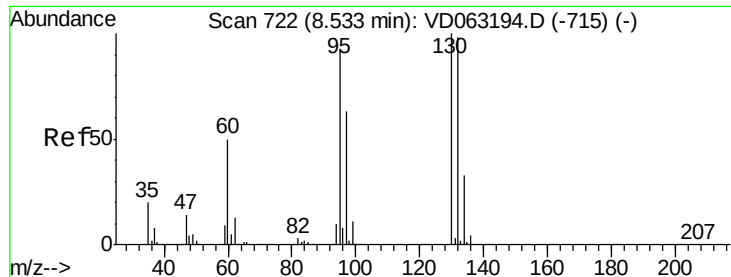
Tot Ion: 43 Resp: 4930
Ion Ratio Lower Upper
43 100
61 67.2 11.3 16.9#
70 0.0 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 5.868 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Tgt Ion: 117 Resp: 81169
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 22.1 33.1#





#44

Trichloroethene

Concen: 13.754 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampled :

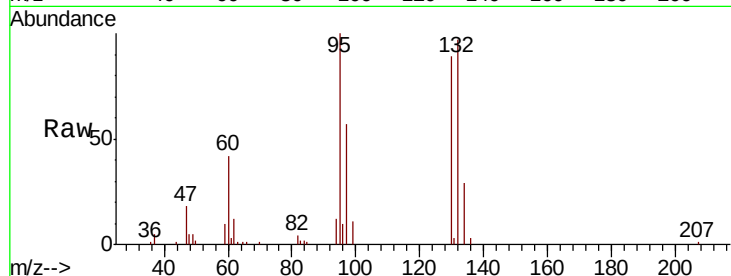
TP-7RE

Tot Ion:130 Resp: 107320

Ion Ratio Lower Upper

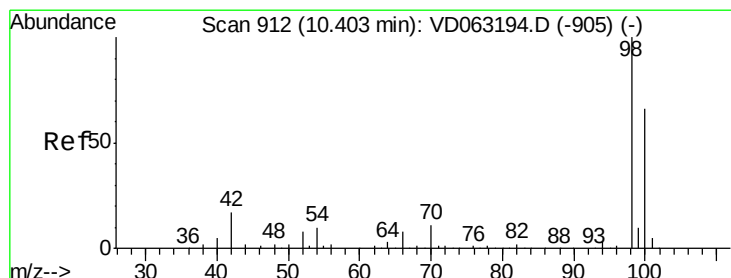
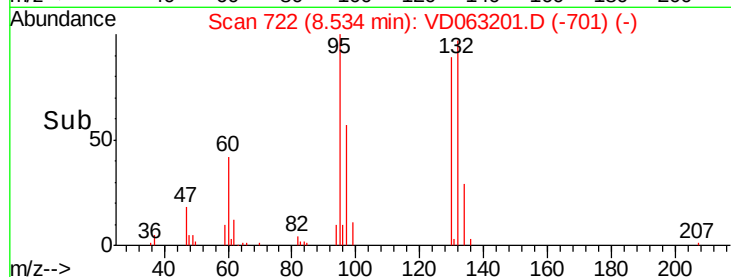
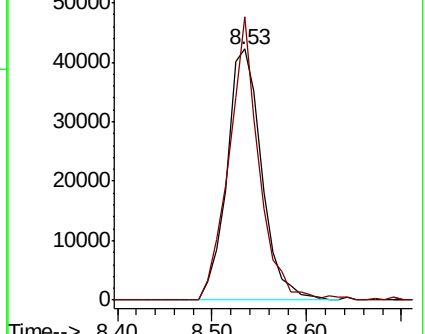
130 100

95 112.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 57.707 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063201.D

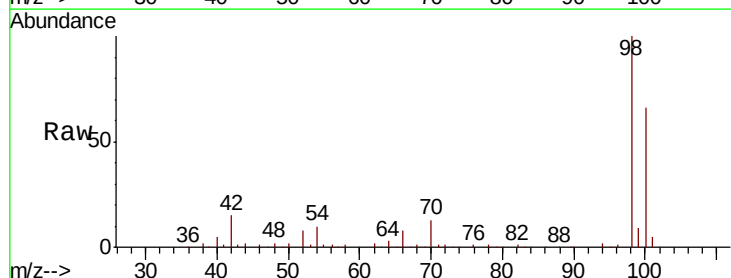
Acq: 29 Jul 2019 16:12

Tgt Ion: 98 Resp: 1110129

Ion Ratio Lower Upper

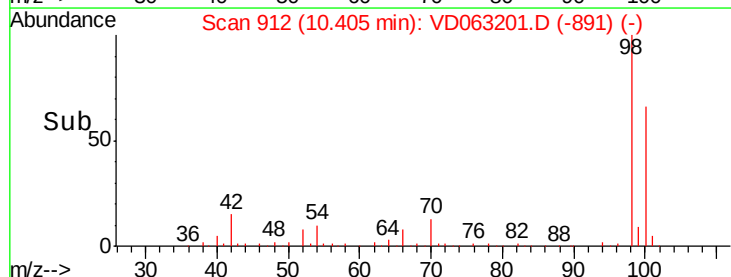
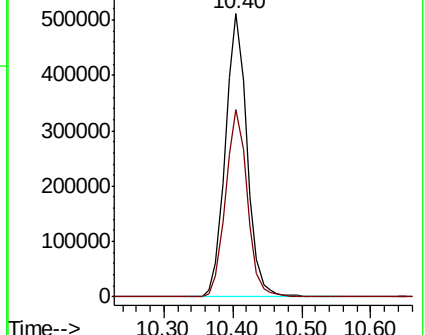
98 100

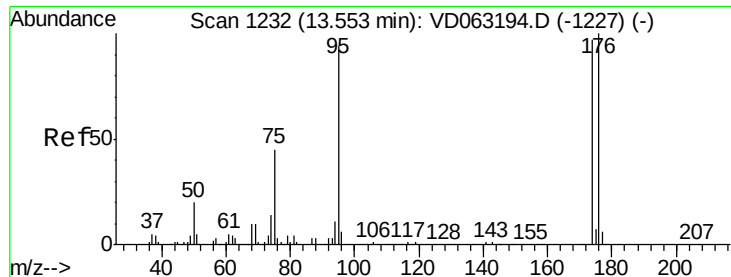
100 66.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

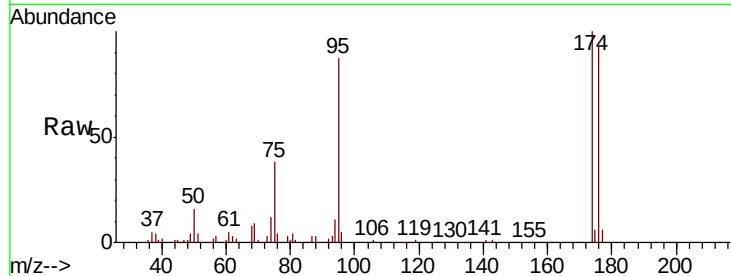




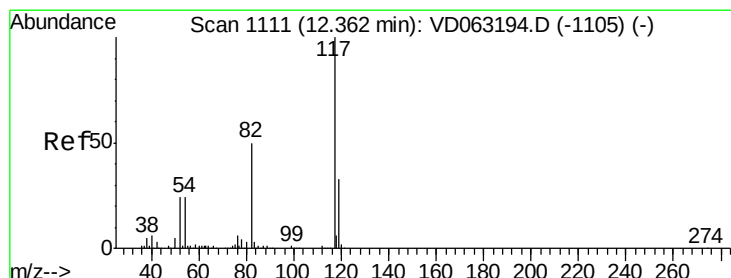
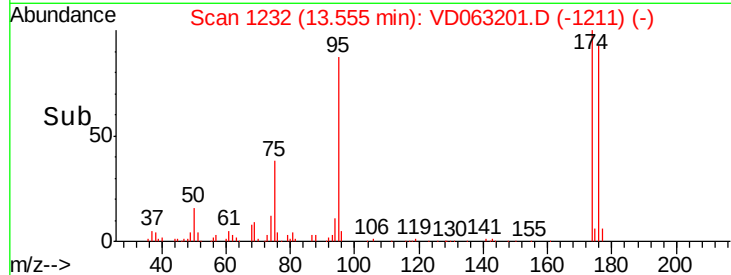
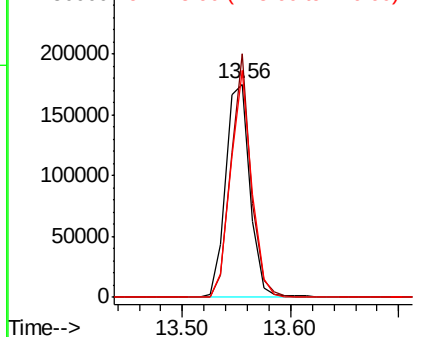
#62
4-Bromofluorobenzene
Concen: 31.325 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

Tot Ion: 95 Resp: 274606
Ion Ratio Lower Upper
95 100
174 114.3 0.0 205.4
176 106.8 0.0 211.8

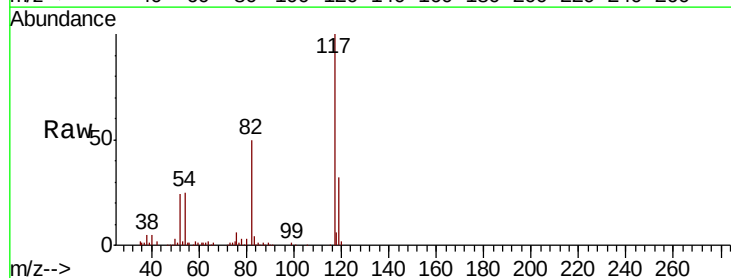


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

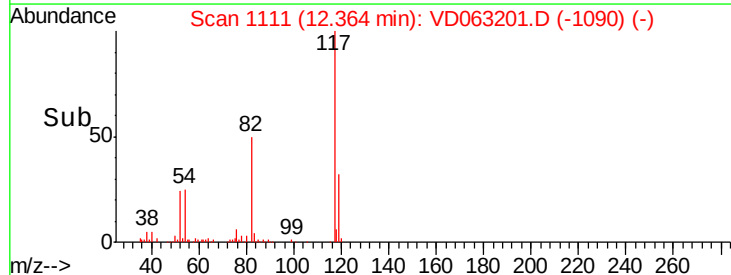
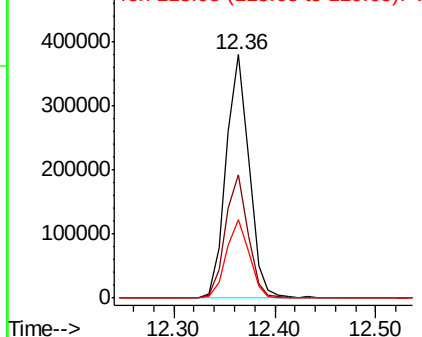


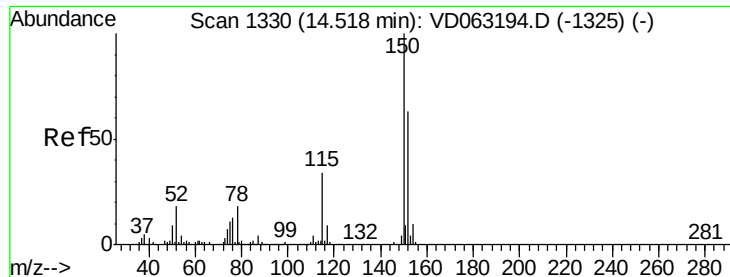
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Tgt Ion: 117 Resp: 603586
Ion Ratio Lower Upper
117 100
82 50.4 40.1 60.1
119 32.4 26.5 39.7



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



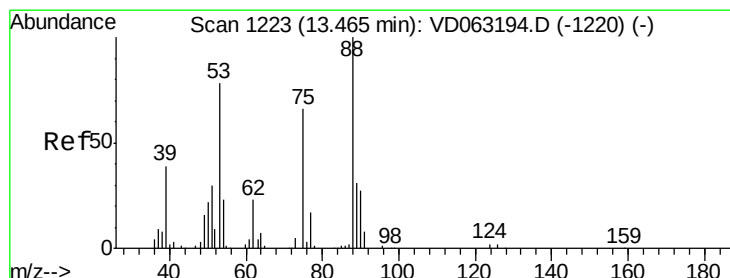
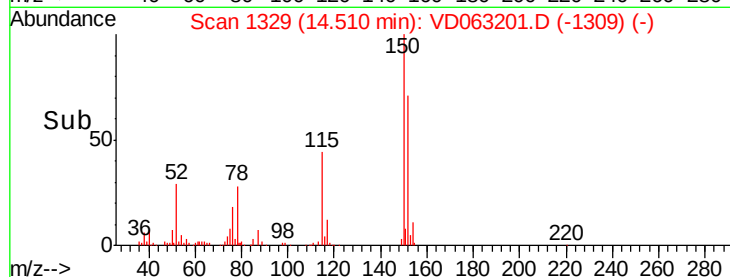
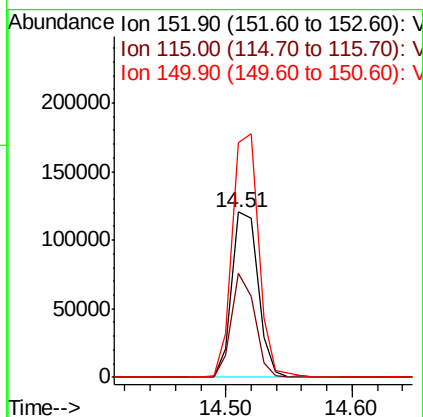
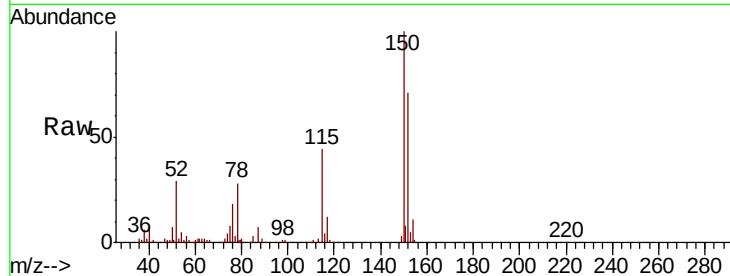


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

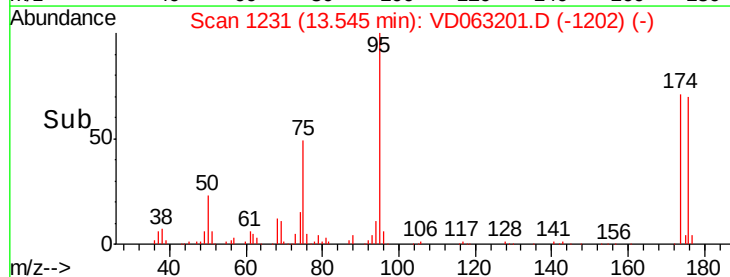
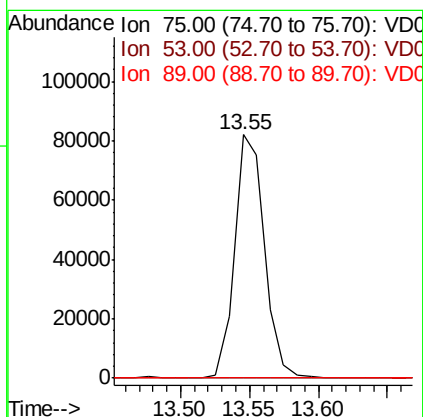
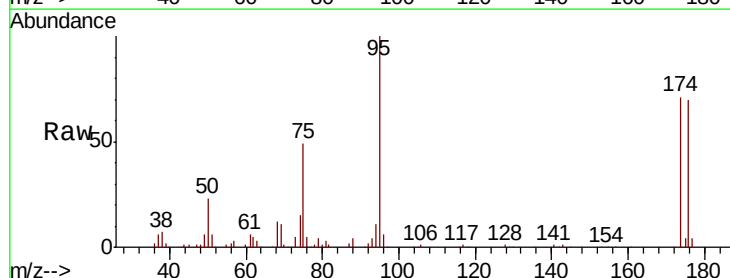
Tot Ion	Ratio	Lower	Upper
152	100		
115	62.8	27.5	82.4
150	141.8	0.0	320.6

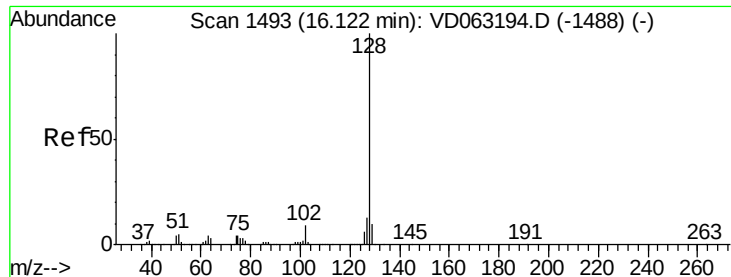


#81

trans-1,4-Dichloro-2-butene
Concen: 212.225 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#

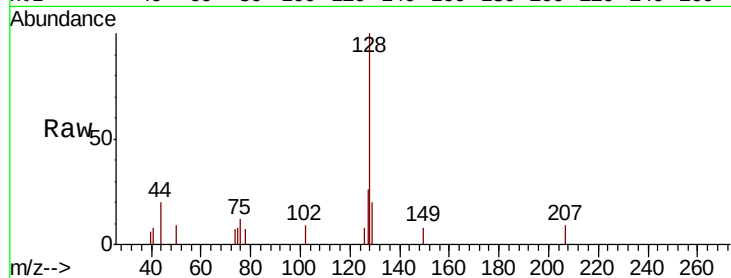




#95
Naphthalene
Concen: 1.285 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

Tot Ion:128 Resp: 6922
Ion Ratio Lower Upper
128 100
127 26.2 10.2 15.4#
129 19.5 7.8 11.8#



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

