

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063204.D
 Acq On : 29 Jul 2019 17:34
 Operator : VA/AP
 Sample : K4044-05
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Quant Time: Jul 30 03:17:35 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	825110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1086551	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	835288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	339927	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	540809	59.07	ug/l	0.00
Spiked Amount			Recovery	=	118.14%	
35) Dibromofluoromethane	6.91	113	596566	64.31	ug/l	0.00
Spiked Amount			Recovery	=	128.62%	
50) Toluene-d8	10.41	98	1245555	59.99	ug/l	0.00
Spiked Amount			Recovery	=	119.98%	
62) 4-Bromofluorobenzene	13.56	95	472166	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

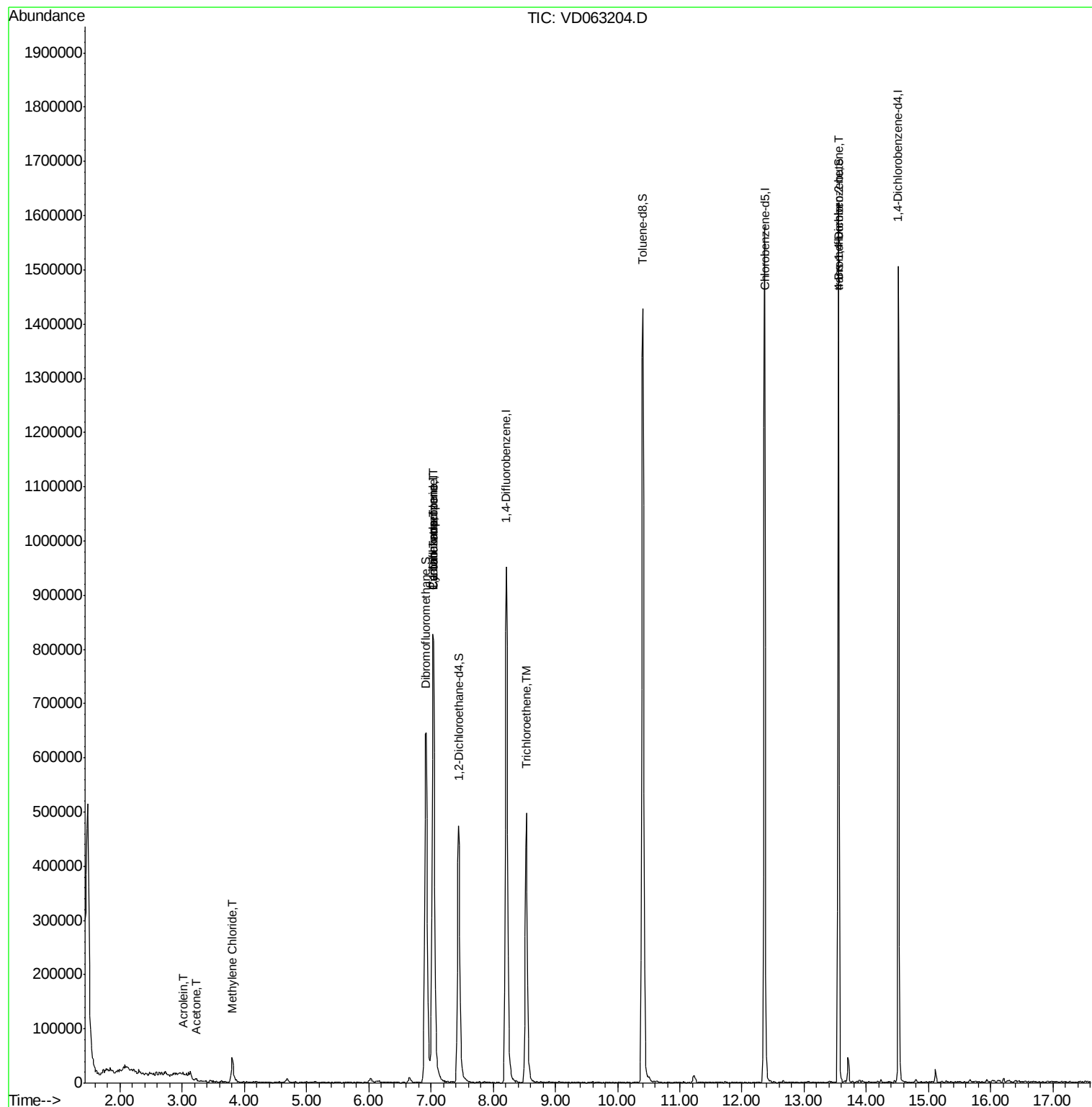
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.01	56	517	1.337	ug/l #	44
16) Acetone	3.23	43	6749	3.783	ug/l #	62
20) Methylene Chloride	3.80	84	25717	3.567	ug/l #	74
31) Cyclohexane	7.03	56	17337	2.126	ug/l #	29
36) 1,1-Dichloropropene	7.04	75	60658	6.117	ug/l #	53
38) Carbon Tetrachloride	7.03	117	85411	5.721	ug/l #	15
44) Trichloroethene	8.54	130	217961	25.882	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.56	75	222284	196.060	ug/l #	3

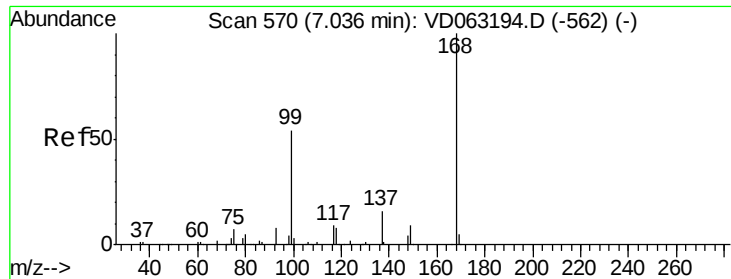
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063204.D
Acq On : 29 Jul 2019 17:34
Operator : VA/AP
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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-5

Quant Time: Jul 30 03:17:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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: VD063204.D

Acq: 29 Jul 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

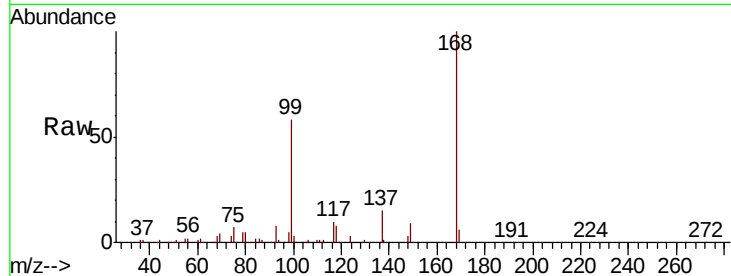
TP-5

Tot Ion:168 Resp: 825110

Ion Ratio Lower Upper

168 100

99 57.5 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

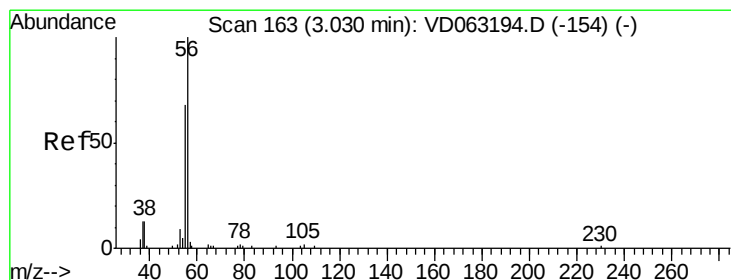
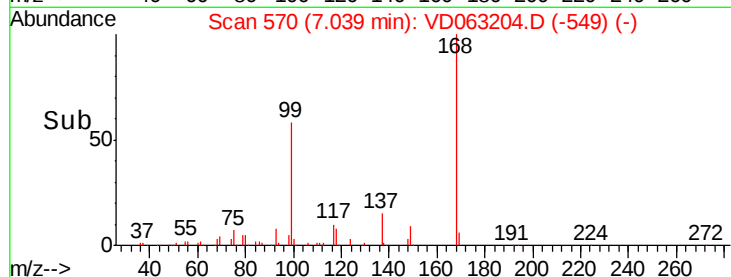
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#13

Acrolein

Concen: 1.337 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD063204.D

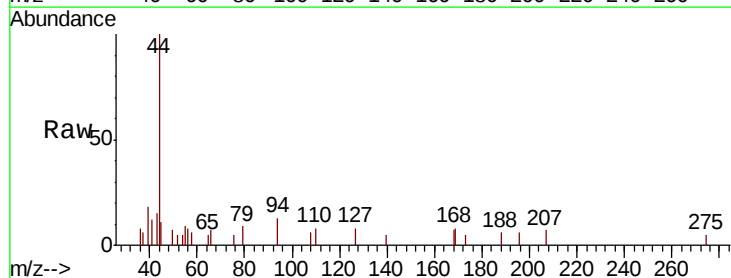
Acq: 29 Jul 2019 17:34

Tgt Ion: 56 Resp: 517

Ion Ratio Lower Upper

56 100

55 114.9 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

800

600

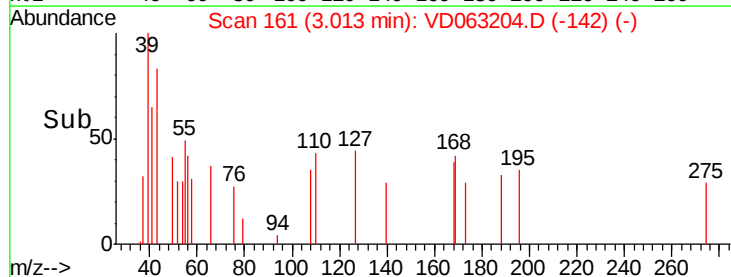
400

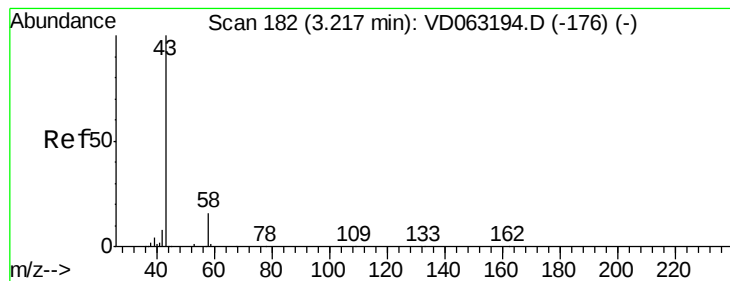
200

0

Time-->

2.98 3.00 3.02 3.04 3.06





#16

Acetone

Concen: 3.783 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063204.D

Acq: 29 Jul 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

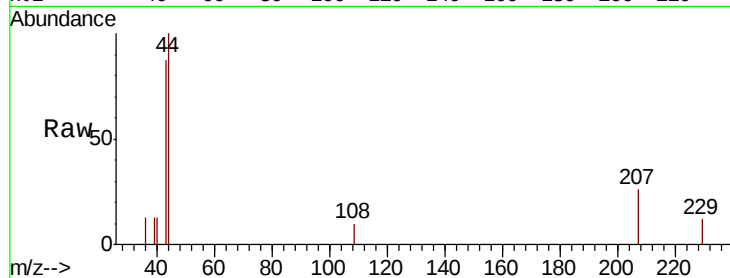
TP-5

Tot Ion: 43 Resp: 6749

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

3000

2500

2000

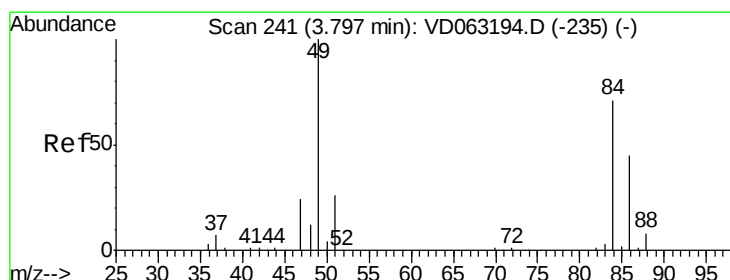
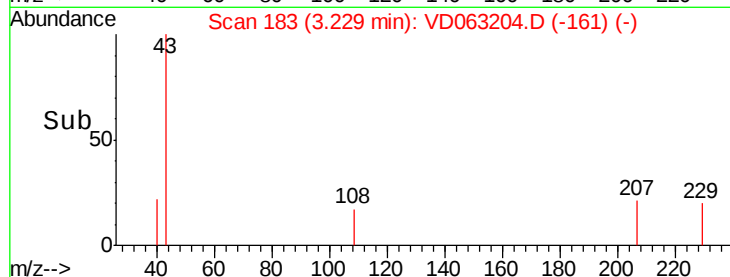
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 3.567 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063204.D

Acq: 29 Jul 2019 17:34

Tgt Ion: 84 Resp: 25717

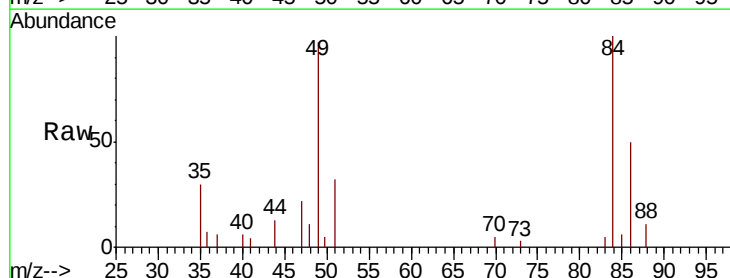
Ion Ratio Lower Upper

84 100

49 97.5 112.5 168.7#

51 32.2 29.6 44.4

86 50.3 50.4 75.6#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

20000

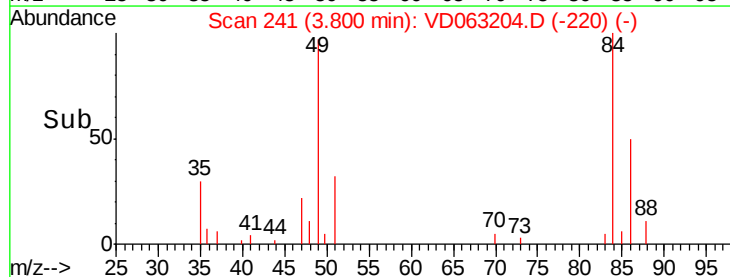
15000

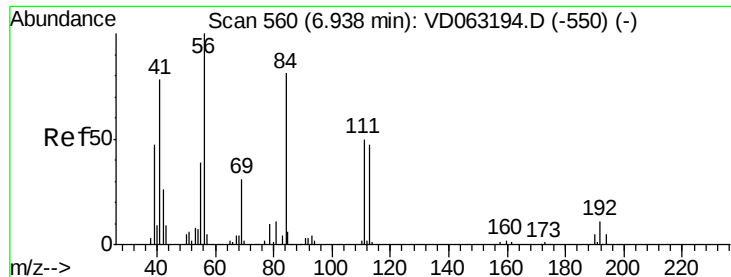
10000

5000

0

Time-->

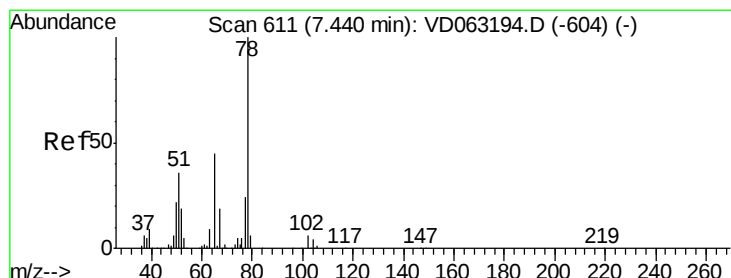
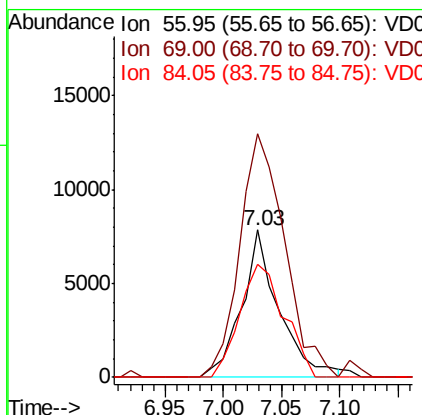
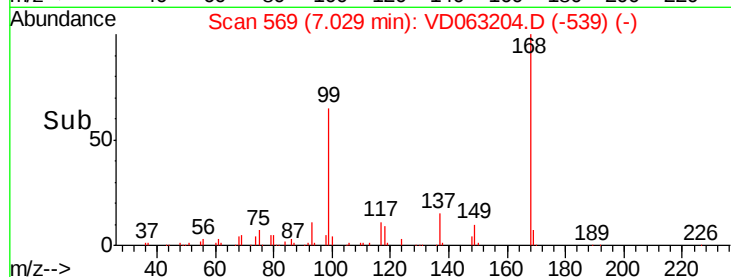
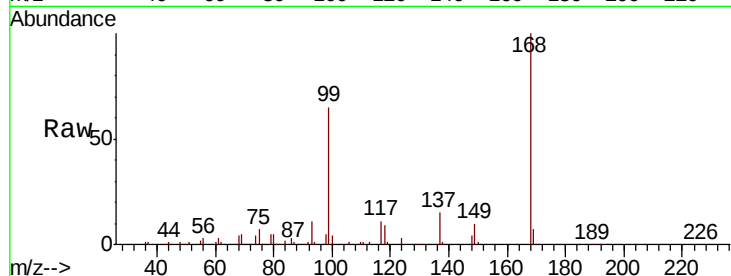




#31
Cyclohexane
Concen: 2.126 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063204.D
Acq: 29 Jul 2019 17:34

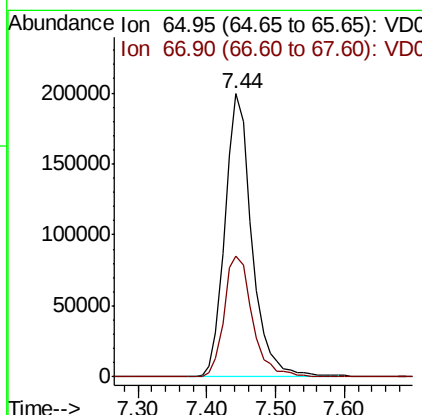
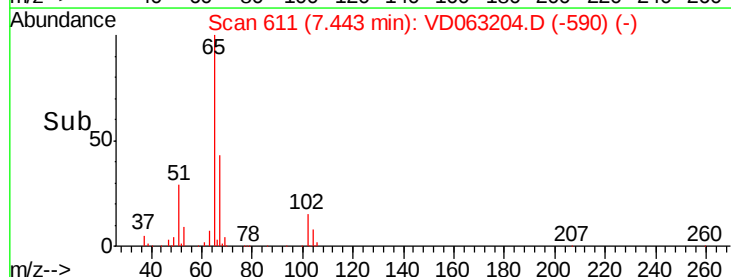
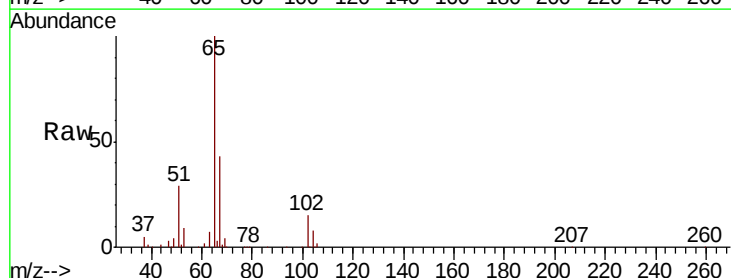
Instrument :
MSVOA_D
ClientSampleId :
TP-5

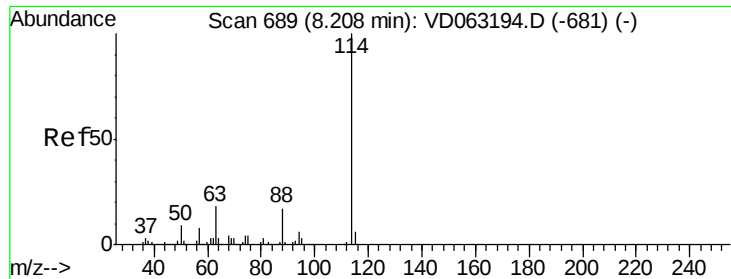
Tot Ion: 56 Resp: 17337
Ion Ratio Lower Upper
56 100
69 165.6 24.5 36.7#
84 76.6 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 59.070 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063204.D
Acq: 29 Jul 2019 17:34

Tgt Ion: 65 Resp: 540809
Ion Ratio Lower Upper
65 100
67 42.5 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: VD063204.D

Acq: 29 Jul 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

TP-5

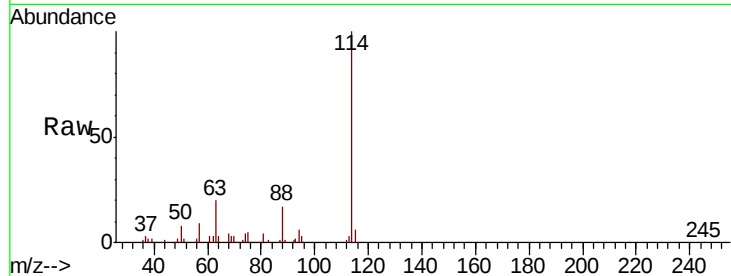
Tot Ion:114 Resp: 1086551

Ion Ratio Lower Upper

114 100

63 19.9 0.0 35.2

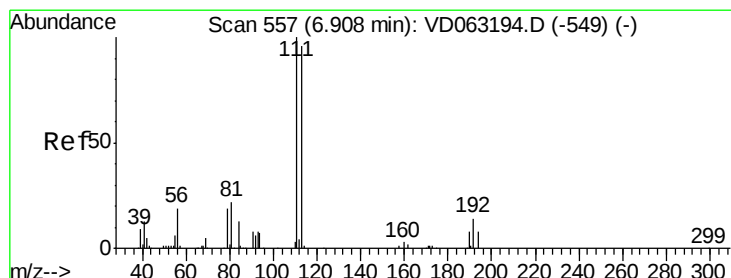
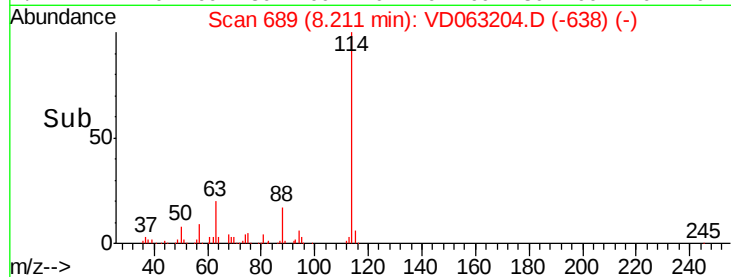
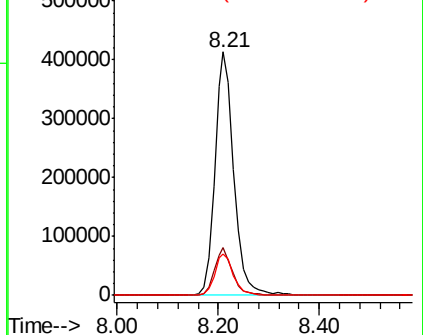
88 17.3 0.0 34.6



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: 64.307 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063204.D

Acq: 29 Jul 2019 17:34

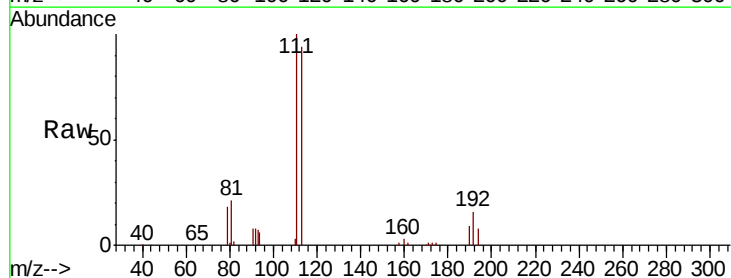
Tgt Ion:113 Resp: 596566

Ion Ratio Lower Upper

113 100

111 106.4 83.2 124.8

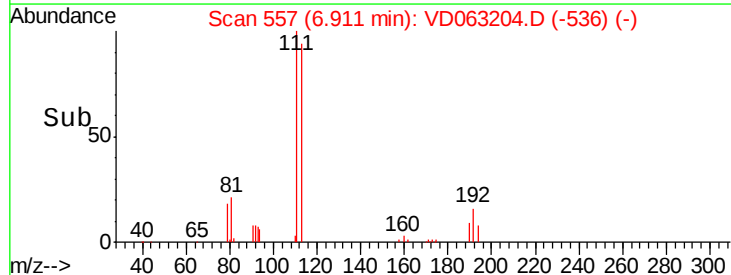
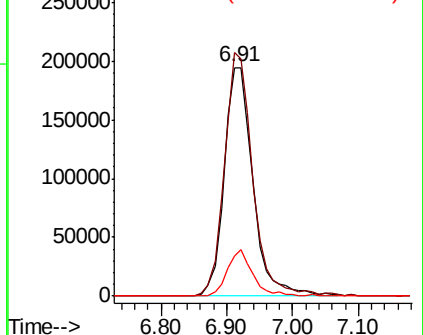
192 17.3 11.8 17.8

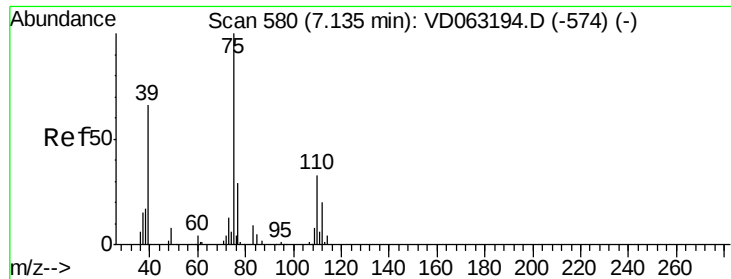


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

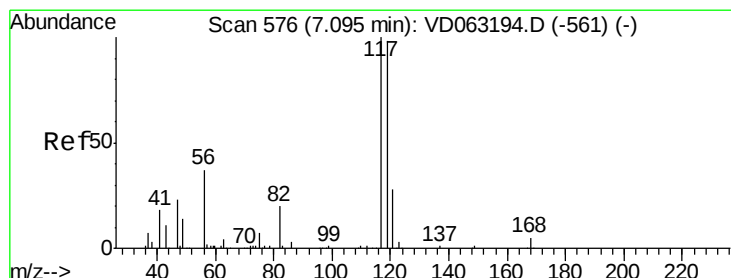
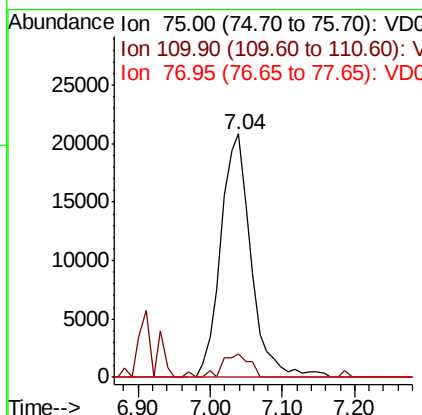
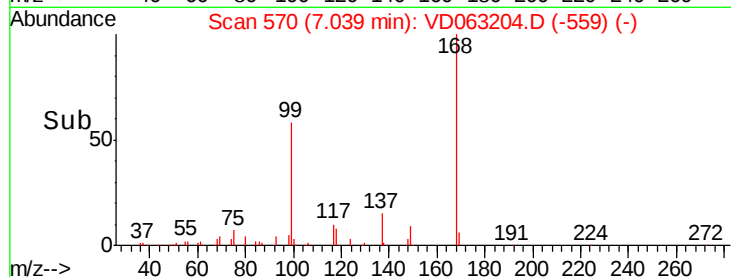
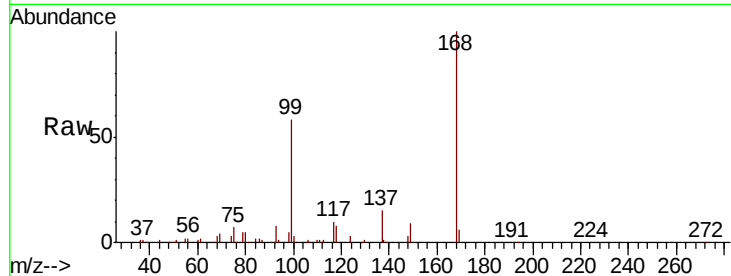




#36
 1,1-Dichloropropene
 Concen: 6.117 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063204.D
 Acq: 29 Jul 2019 17:34

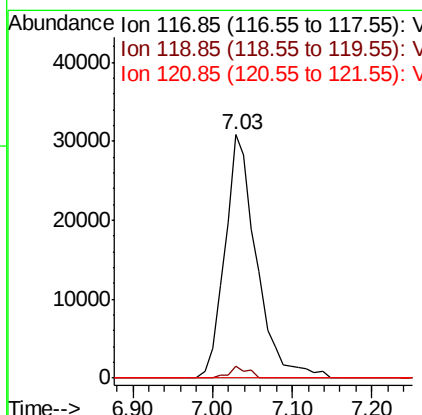
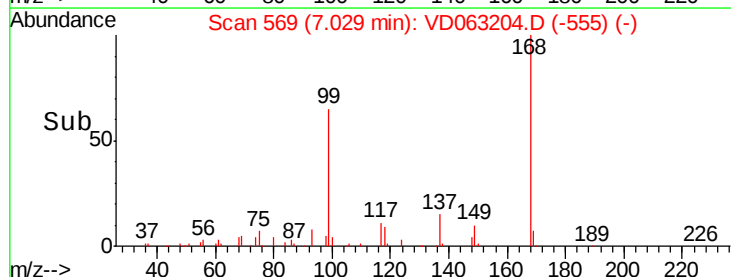
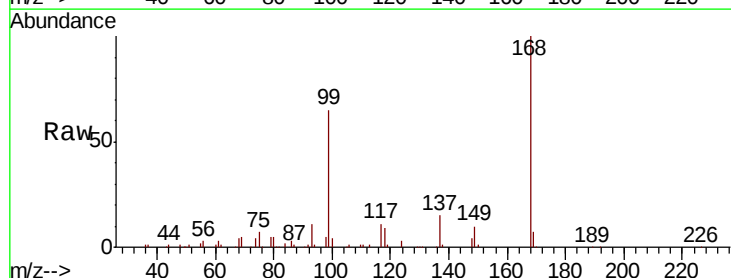
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-5

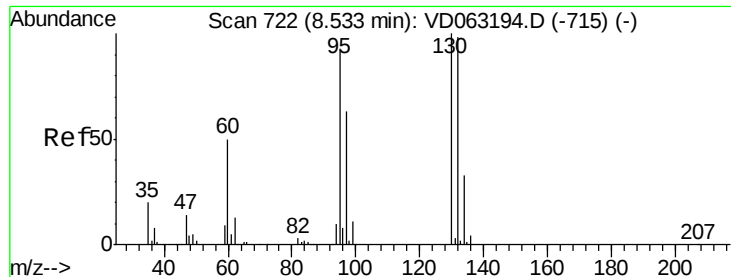
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.1	48.2#
77	0.0	22.7	34.1#



#38
 Carbon Tetrachloride
 Concen: 5.721 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD063204.D
 Acq: 29 Jul 2019 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.2#
121	0.0	22.1	33.1#





#44

Trichloroethene

Concen: 25.882 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063204.D

Acq: 29 Jul 2019 17:34

Instrument :

MSVOA_D

ClientSampled :

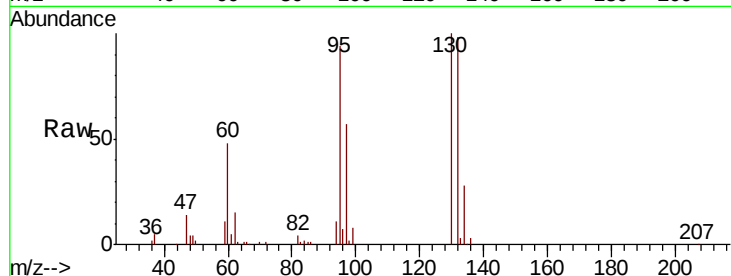
TP-5

Tot Ion:130 Resp: 217961

Ion Ratio Lower Upper

130 100

95 93.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.54

100000

80000

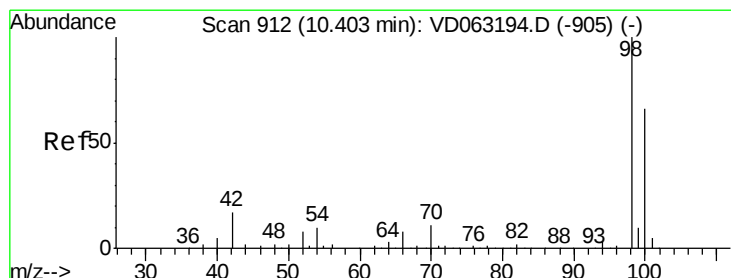
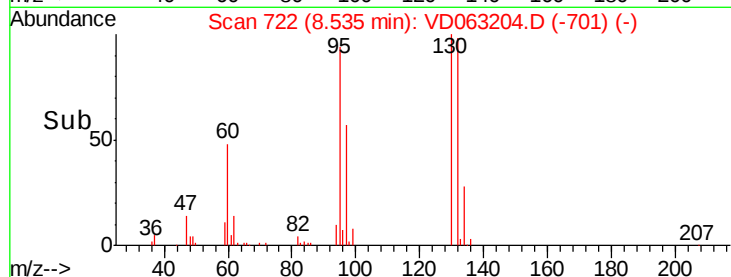
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 59.994 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063204.D

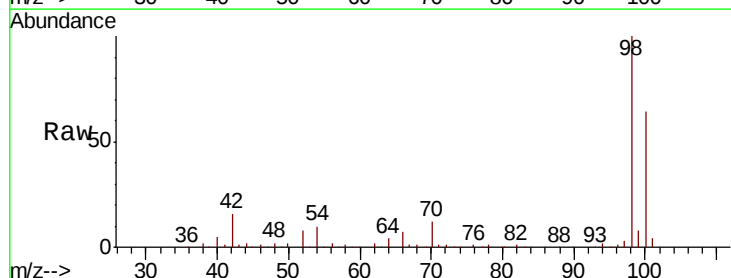
Acq: 29 Jul 2019 17:34

Tgt Ion: 98 Resp: 1245555

Ion Ratio Lower Upper

98 100

100 64.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

600000

500000

400000

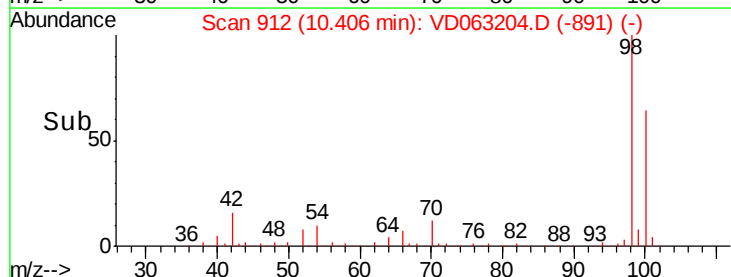
300000

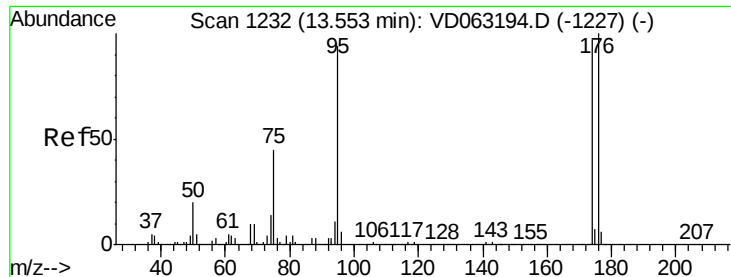
200000

100000

0

Time-->

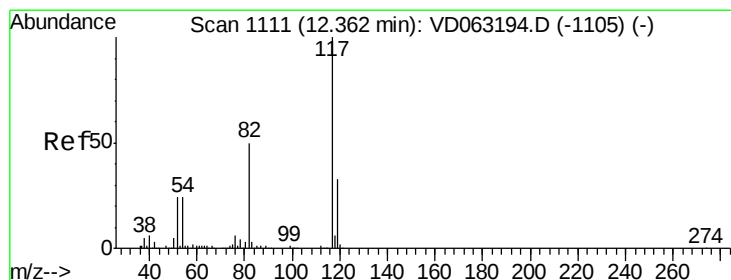
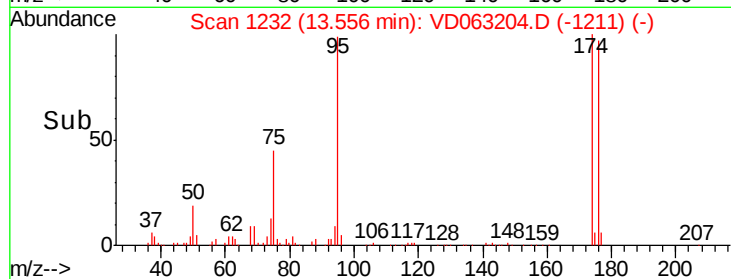
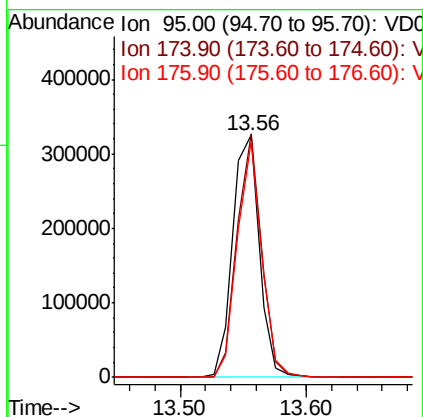
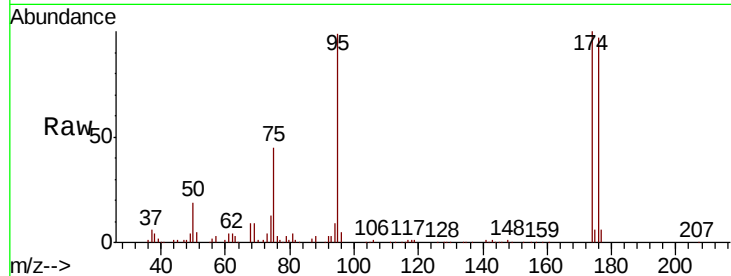




#62
4-Bromofluorobenzene
Concen: 49.907 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063204.D
Acq: 29 Jul 2019 17:34

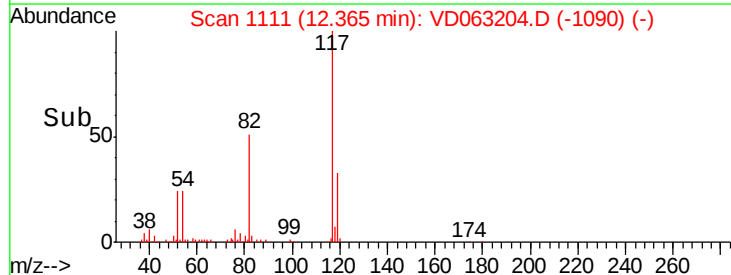
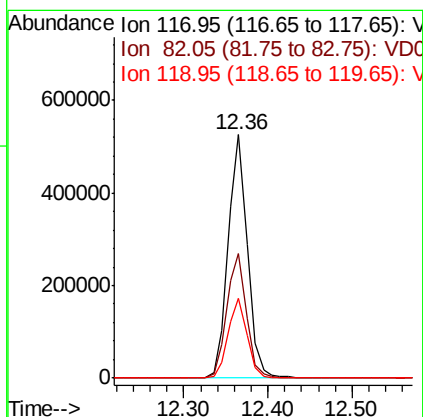
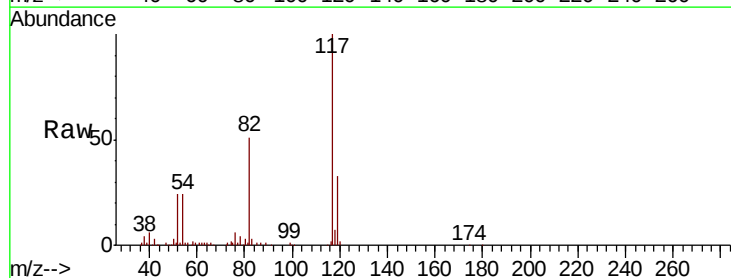
Instrument :
MSVOA_D
ClientSampled :
TP-5

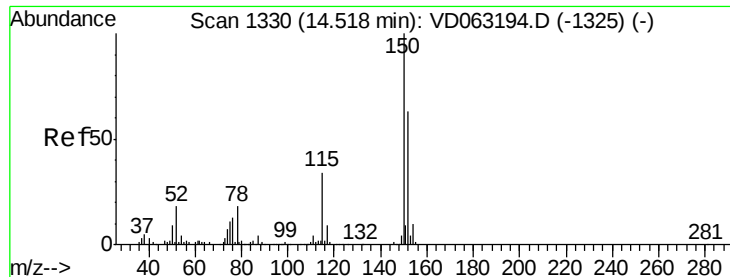
Tot Ion	Ratio	Lower	Upper
95	100		
174	100.7	0.0	205.4
176	97.6	0.0	211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063204.D
Acq: 29 Jul 2019 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.1	60.1
119	32.8	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063204.D

Acq: 29 Jul 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

TP-5

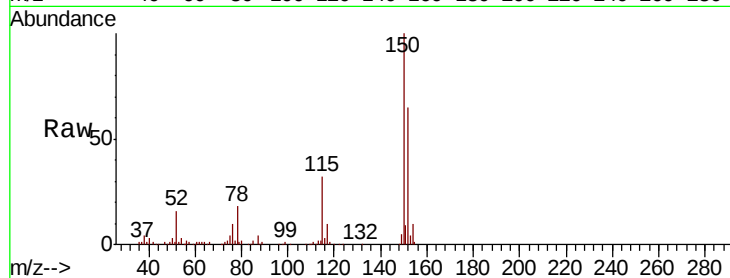
Tot Ion:152 Resp: 339927

Ion Ratio Lower Upper

152 100

115 49.8 27.5 82.4

150 155.0 0.0 320.6



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

500000

400000

300000

200000

100000

0

14.52

14.50

14.52

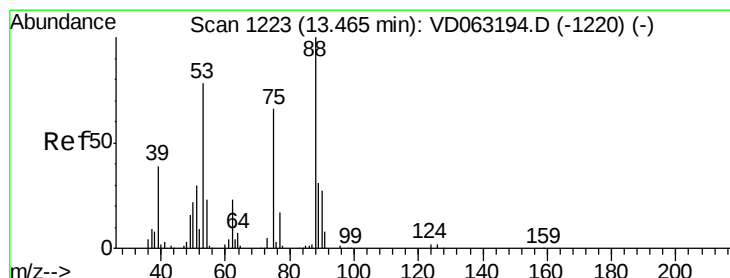
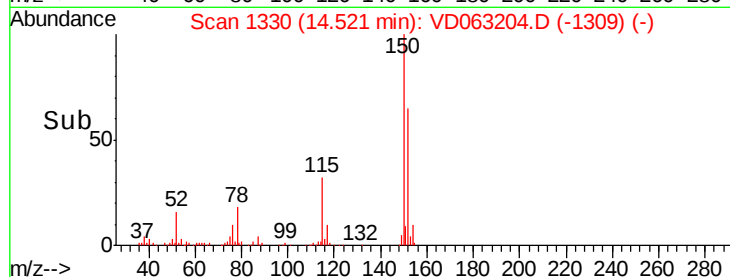
14.54

14.56

14.58

14.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 196.060 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063204.D

Acq: 29 Jul 2019 17:34

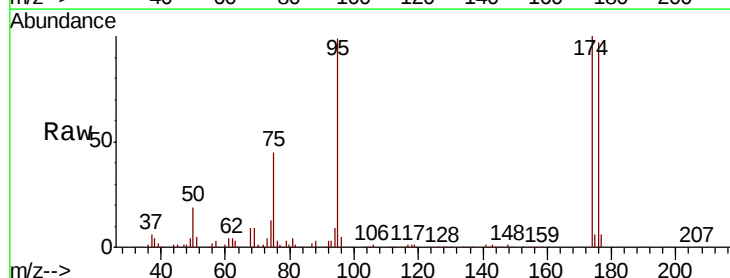
Tgt Ion: 75 Resp: 222284

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

200000

150000

100000

50000

0

13.56

13.54

13.56

13.58

13.60

13.62

13.64

13.65

Time-->

