

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063364.D
 Acq On : 3 Aug 2019 16:29
 Operator : VA/AP
 Sample : K4136-10
 Misc : 5.39g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C4-(30)

Quant Time: Aug 04 06:08:06 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	7.05	168	950402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1288667	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1064178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	452500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	476441	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
35) Dibromofluoromethane	6.93	113	511265	46.47	ug/l	0.02
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	10.41	98	1077305	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	
62) 4-Bromofluorobenzene	13.55	95	442393	39.43	ug/l	0.00
Spiked Amount			Recovery	=	78.86%	

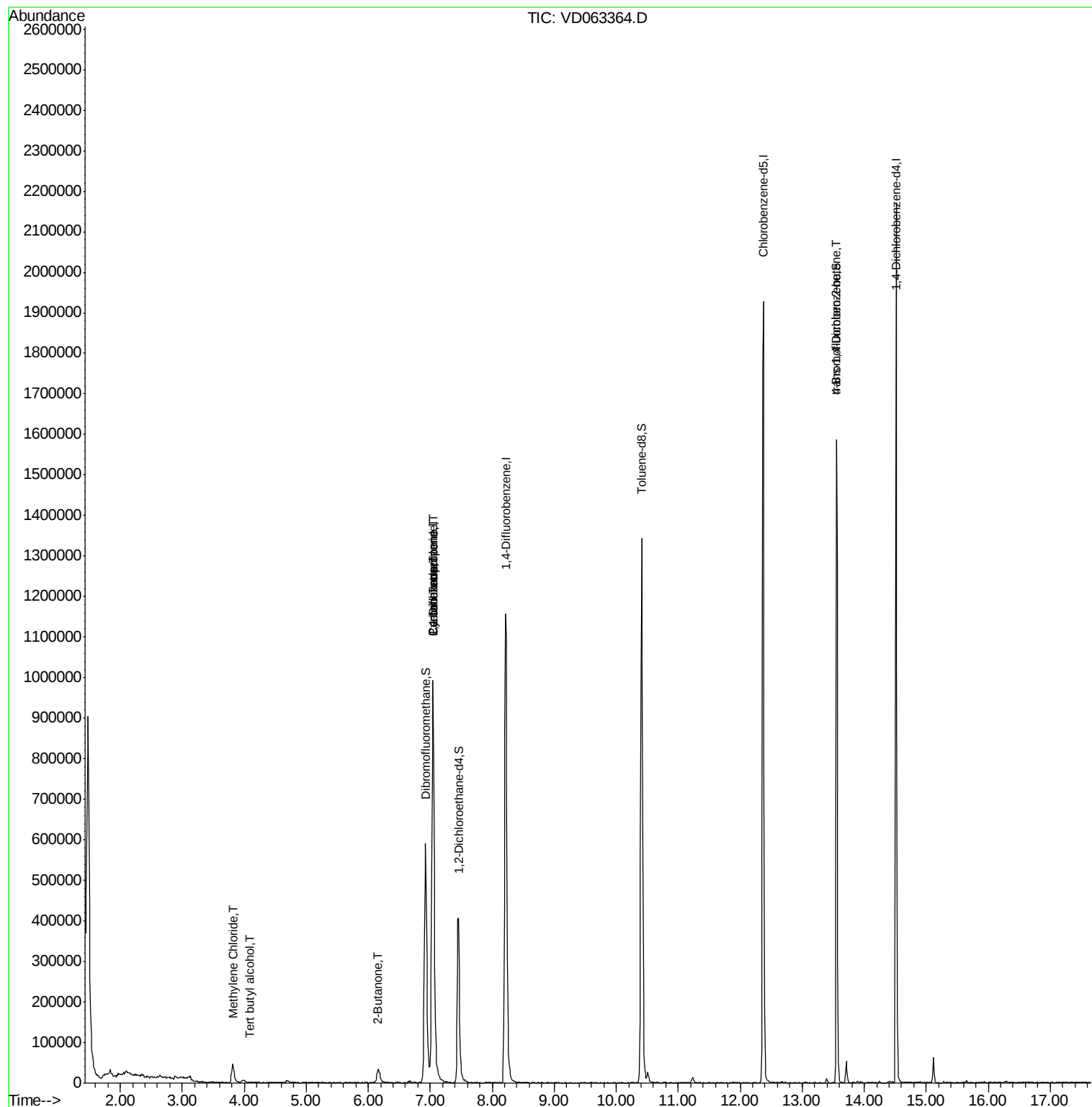
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	732	1.582	ug/l #	69
20) Methylene Chloride	3.81	84	29384	3.538	ug/l	92
25) 2-Butanone	6.15	43	2238	1.085	ug/l #	56
31) Cyclohexane	7.05	56	21356	2.273	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	70579	6.001	ug/l #	52
38) Carbon Tetrachloride	7.05	117	95808	5.411	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	208453	138.120	ug/l #	3

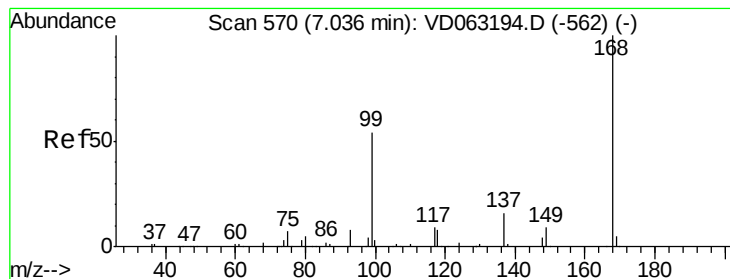
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

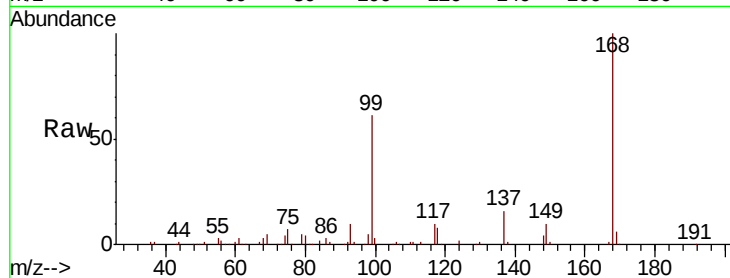
1S-C4-(30)

Tgt Ion:168 Resp: 950402

Ion Ratio Lower Upper

168 100

99 61.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

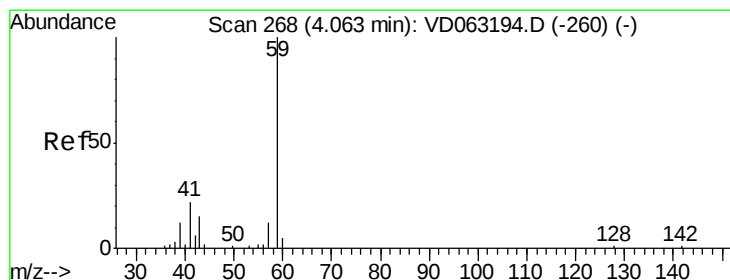
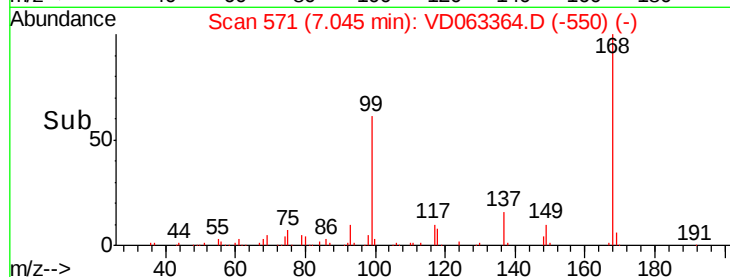
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.582 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.03 min

Lab File: VD063364.D

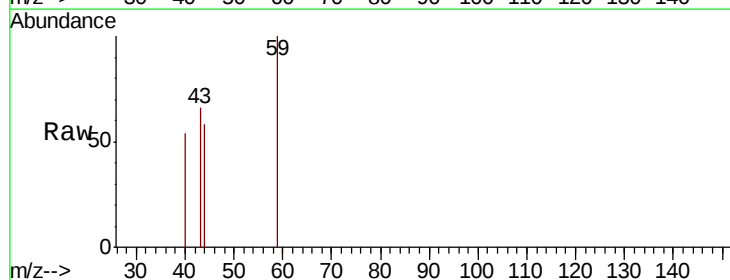
Acq: 3 Aug 2019 16:29

Tgt Ion: 59 Resp: 732

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

4.09

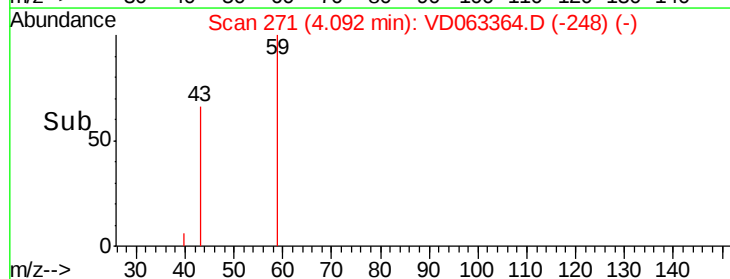
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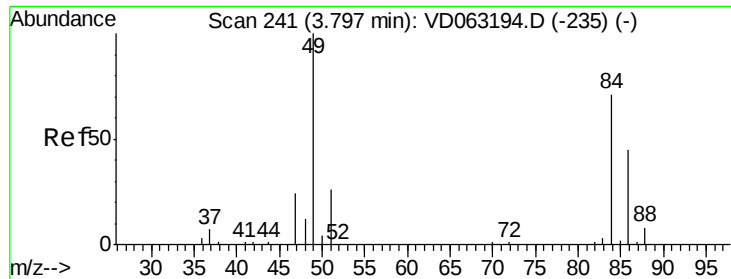
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200

0

Time-->

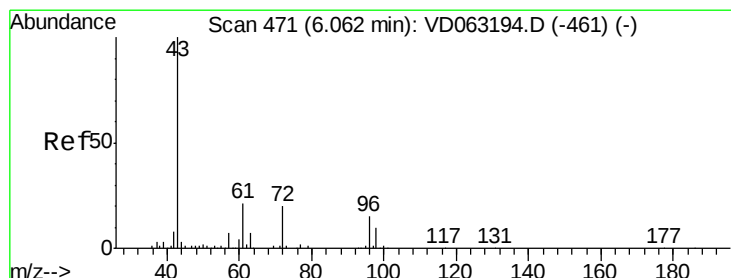
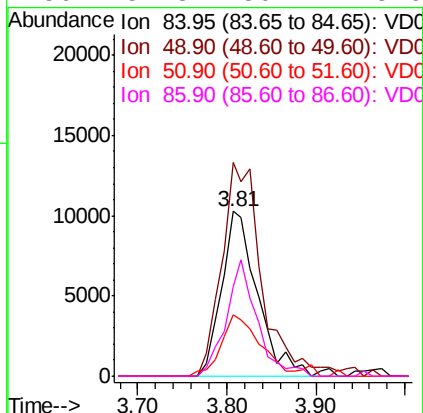
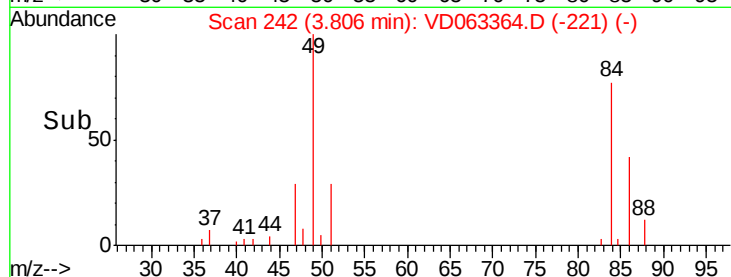
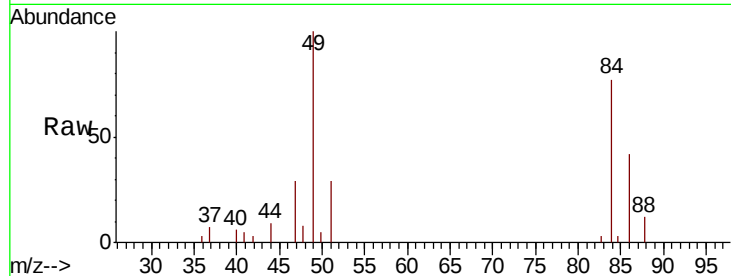




#20
Methylene Chloride
Concen: 3.538 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

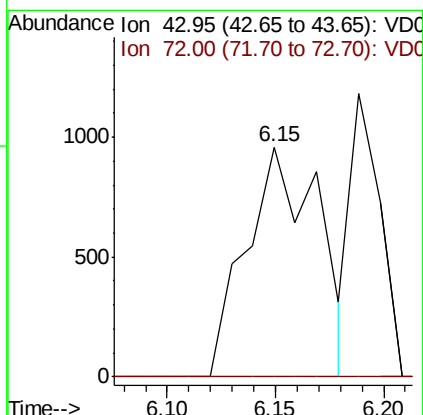
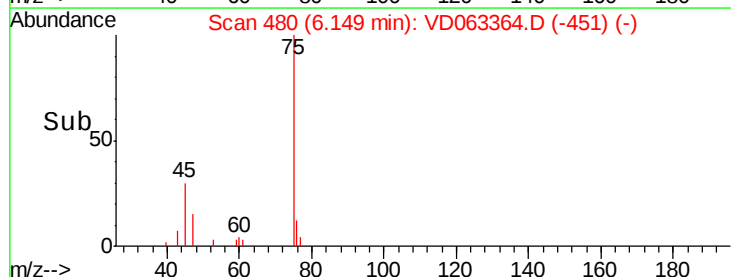
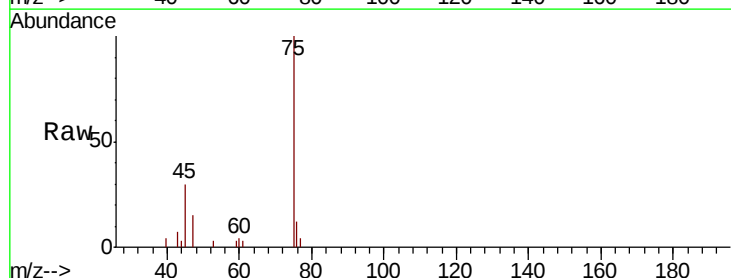
Instrument :
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ClientSampleId :
1S-C4-(30)

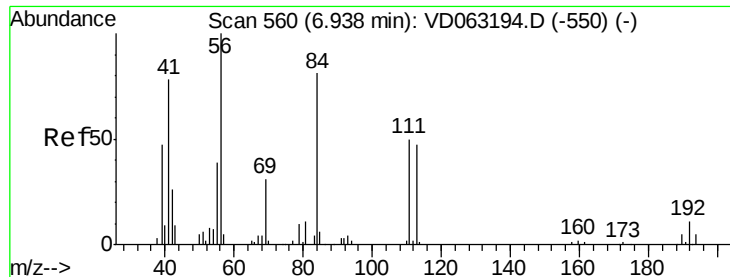
Tgt Ion: 84 Resp: 29384
Ion Ratio Lower Upper
84 100
49 129.4 112.5 168.7
51 37.1 29.6 44.4
86 54.3 50.4 75.6



#25
2-Butanone
Concen: 1.085 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

Tgt Ion: 43 Resp: 2238
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

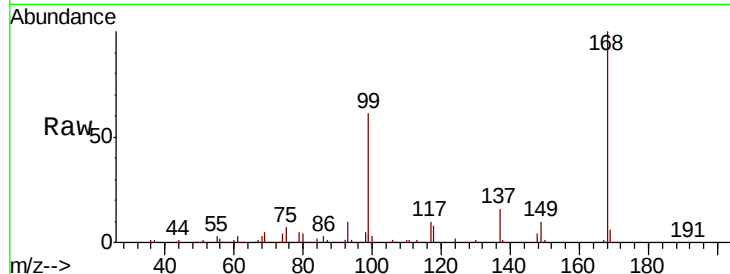




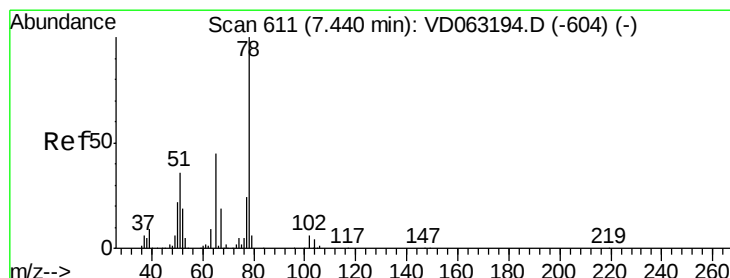
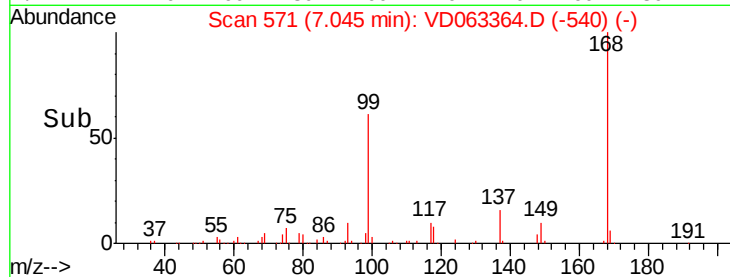
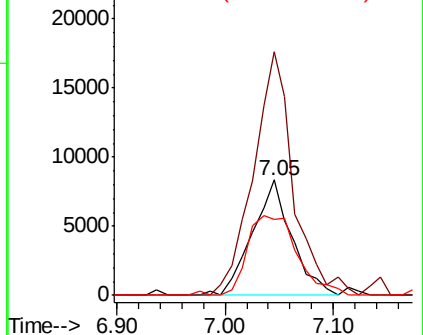
#31
Cyclohexane
Concen: 2.273 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

Instrument :
MSVOA_D
ClientSampleId :
1S-C4-(30)

Tgt Ion: 56 Resp: 21356
Ion Ratio Lower Upper
56 100
69 211.2 24.5 36.7#
84 66.4 64.9 97.3

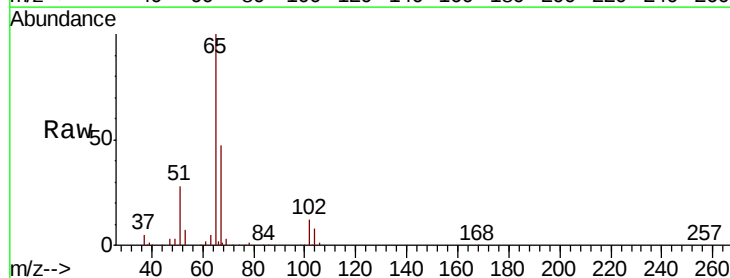


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

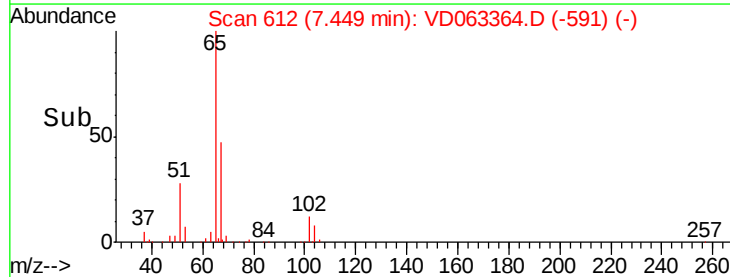
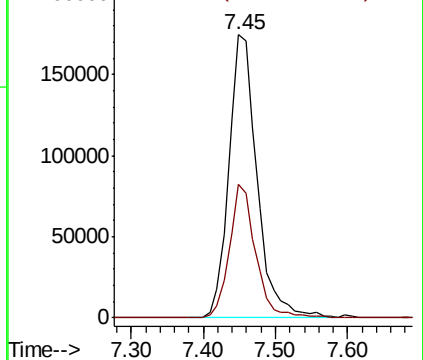


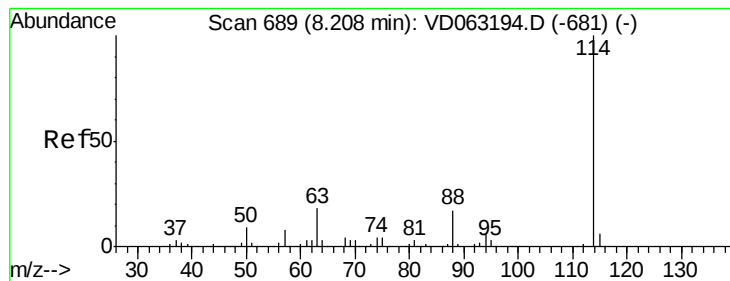
#33
1,2-Dichloroethane-d4
Concen: 45.179 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

Tgt Ion: 65 Resp: 476441
Ion Ratio Lower Upper
65 100
67 47.1 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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

1S-C4-(30)

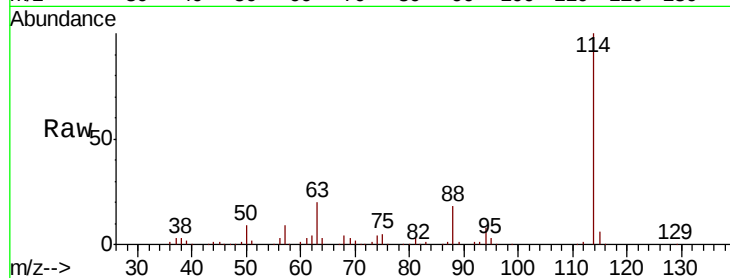
Tgt Ion:114 Resp: 1288667

Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.2

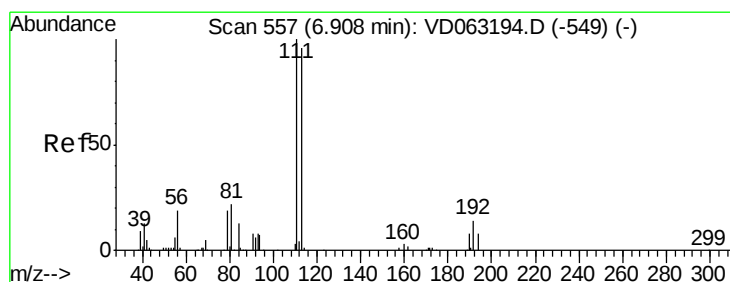
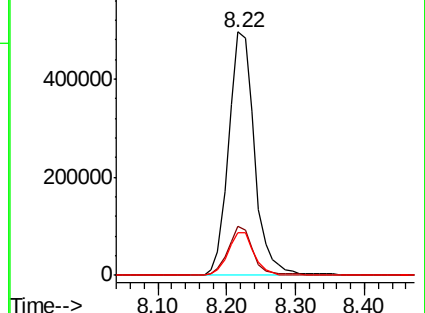
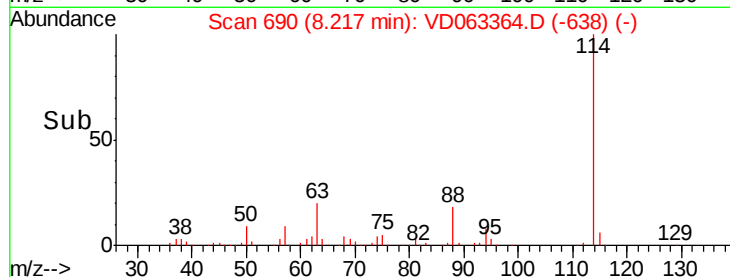
88 17.6 0.0 34.6



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: 46.468 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

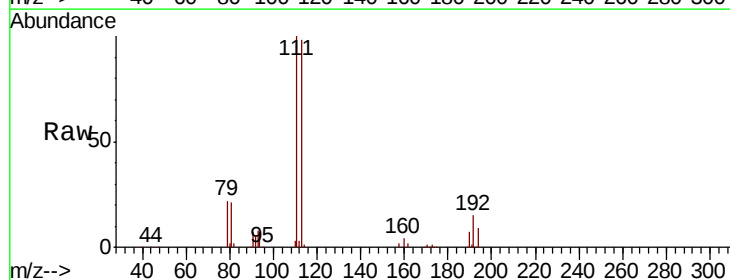
Tgt Ion:113 Resp: 511265

Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

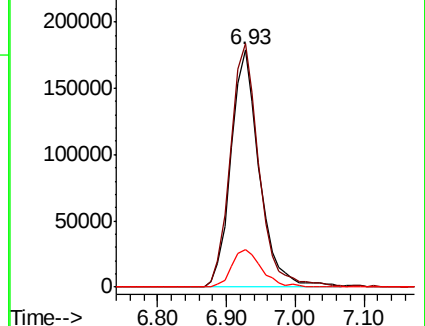
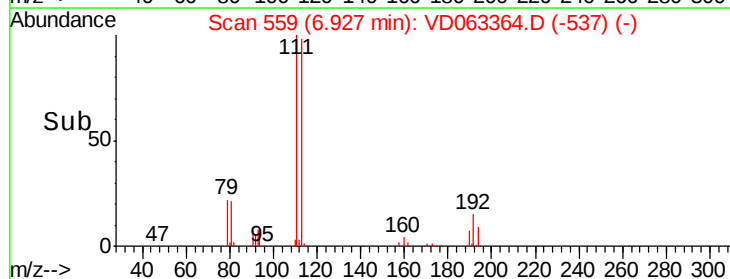
192 15.7 11.8 17.8

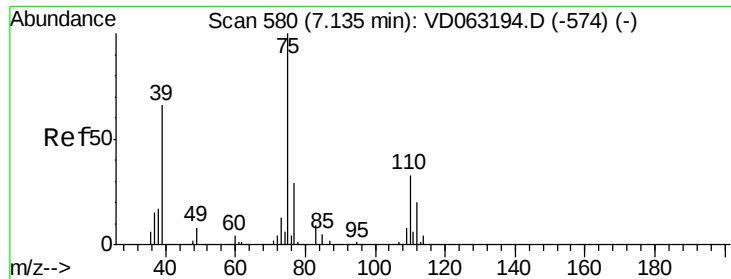


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

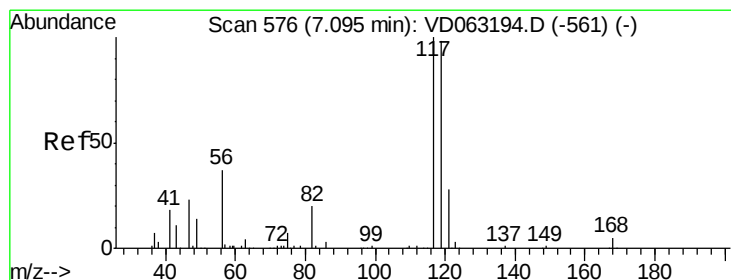
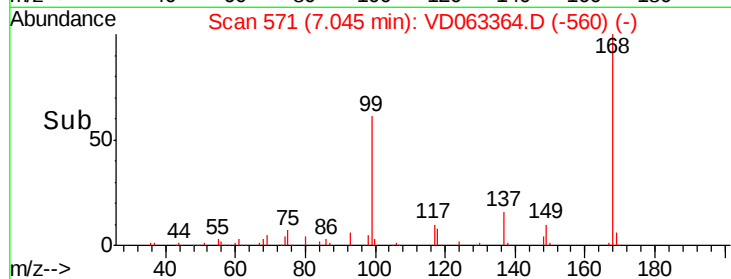
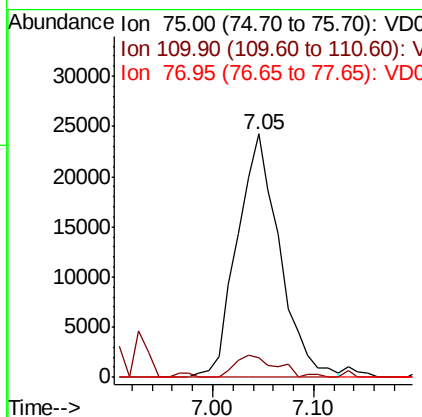
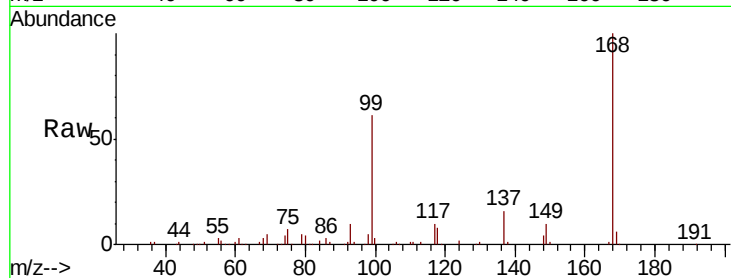




#36
 1,1-Dichloropropene
 Concen: 6.001 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063364.D
 Acq: 3 Aug 2019 16:29

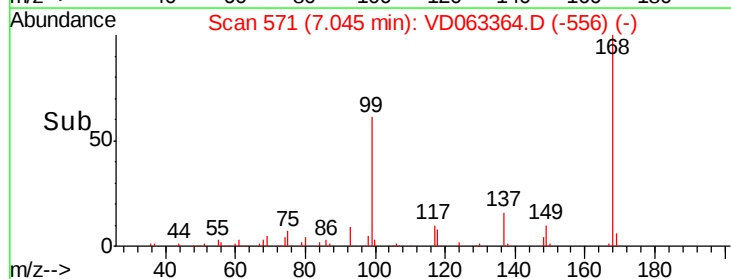
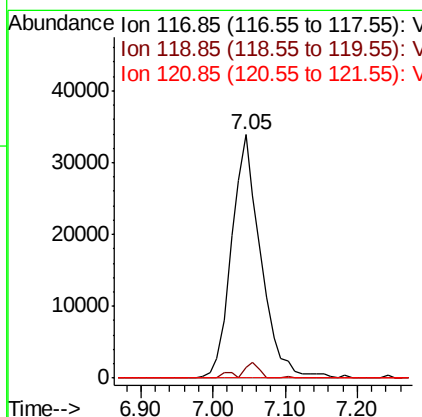
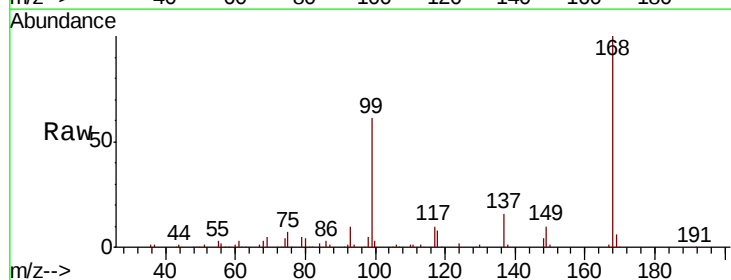
Instrument :
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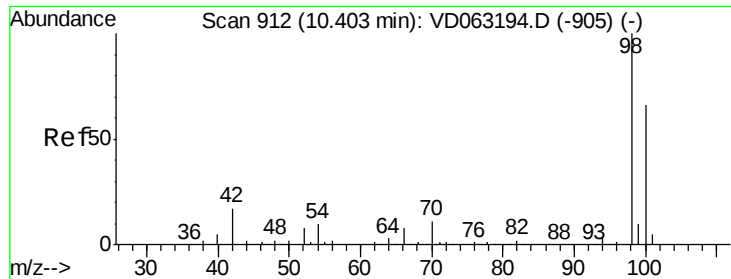
Tgt Ion: 75 Resp: 70579
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.1 48.2#
 77 0.0 22.7 34.1#



#38
 Carbon Tetrachloride
 Concen: 5.411 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063364.D
 Acq: 3 Aug 2019 16:29

Tgt Ion: 117 Resp: 95808
 Ion Ratio Lower Upper
 117 100
 119 4.6 78.2 117.2#
 121 0.0 22.1 33.1#

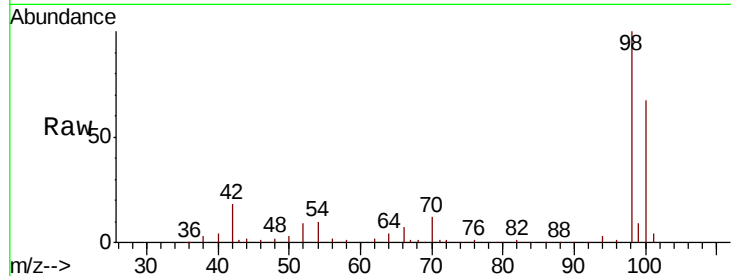




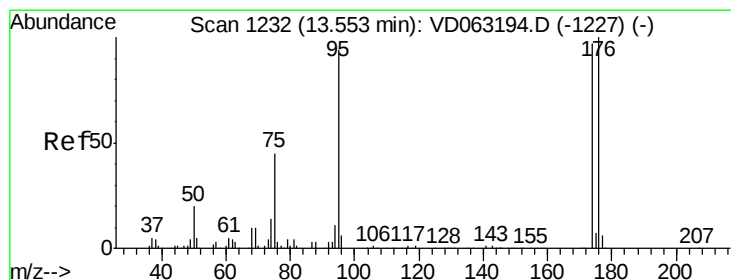
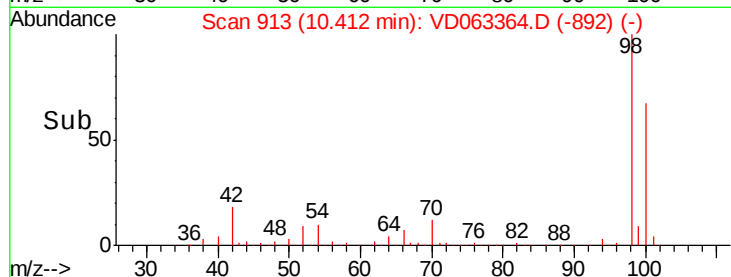
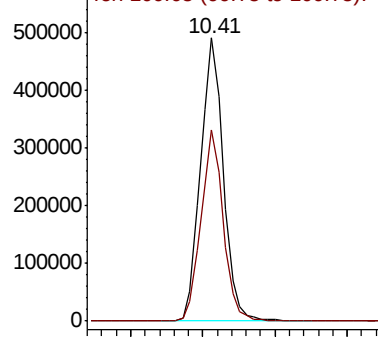
#50
Toluene-d8
Concen: 43.751 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

Instrument :
MSVOA_D
ClientSampleId :
1S-C4-(30)

Tgt Ion: 98 Resp: 1077305
Ion Ratio Lower Upper
98 100
100 67.4 53.2 79.8

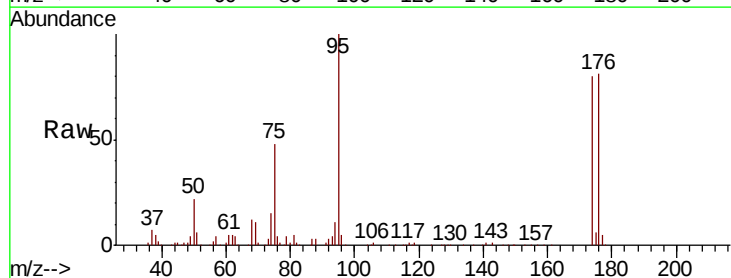


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

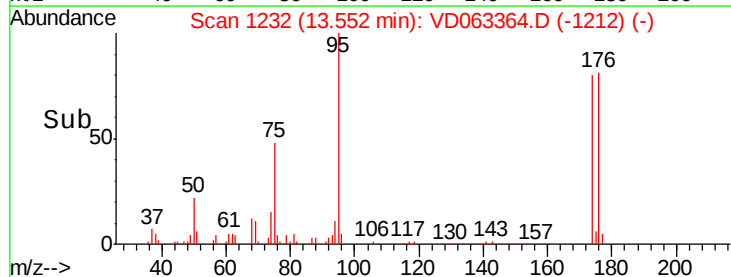
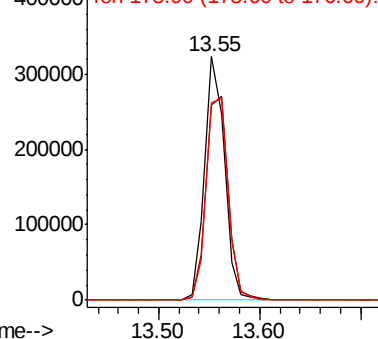


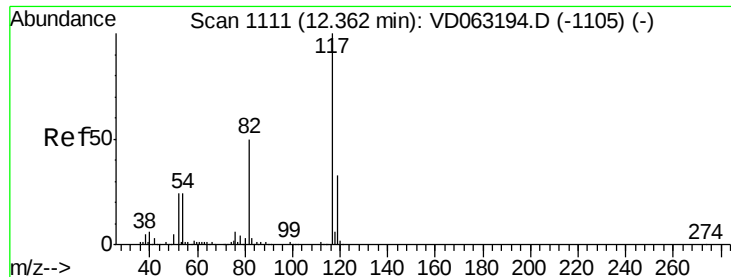
#62
4-Bromofluorobenzene
Concen: 39.426 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

Tgt Ion: 95 Resp: 442393
Ion Ratio Lower Upper
95 100
174 80.3 0.0 205.4
176 81.4 0.0 211.8



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

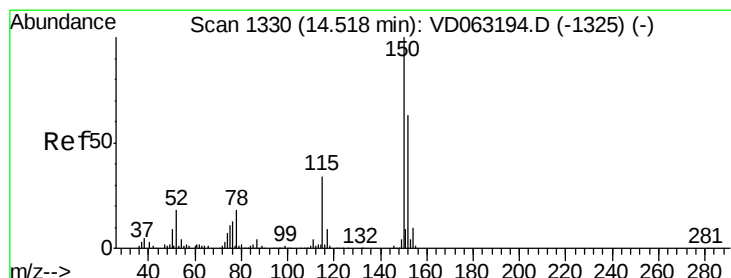
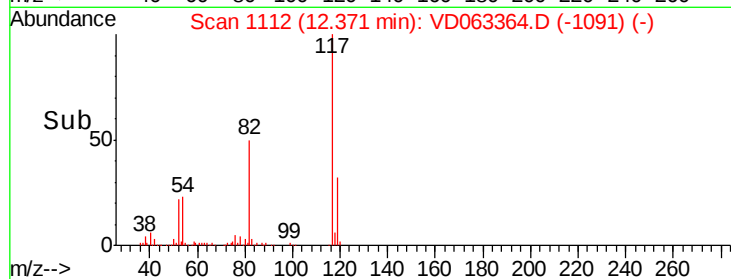
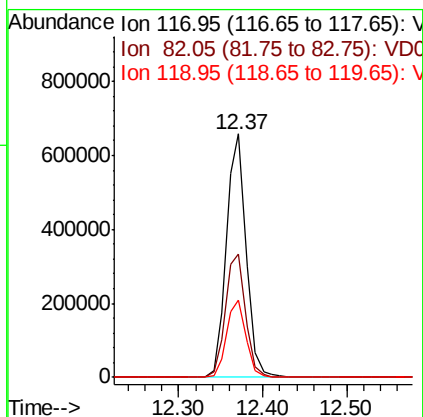
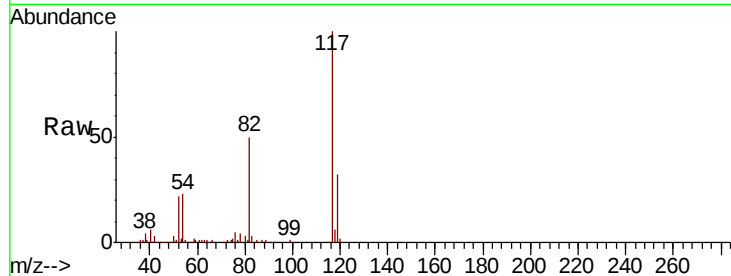




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

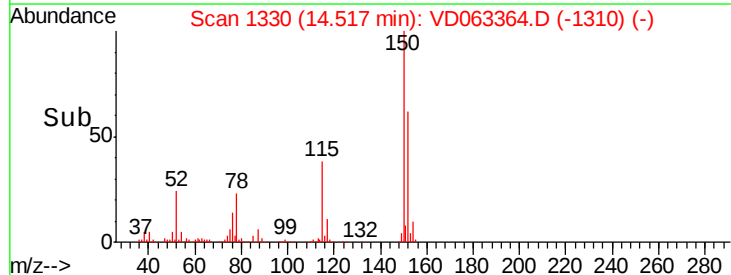
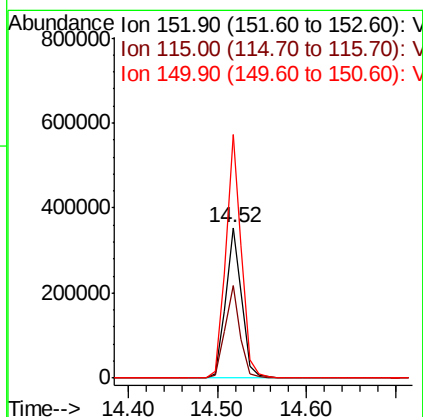
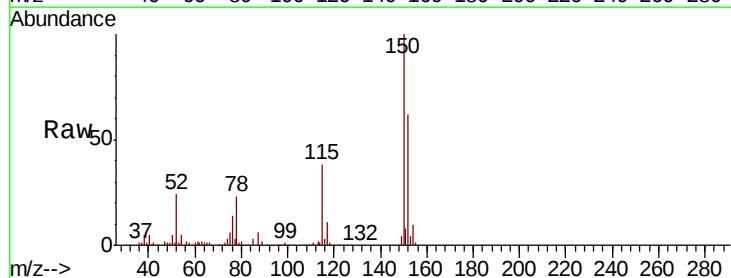
Instrument :
MSVOA_D
ClientSampleId :
1S-C4-(30)

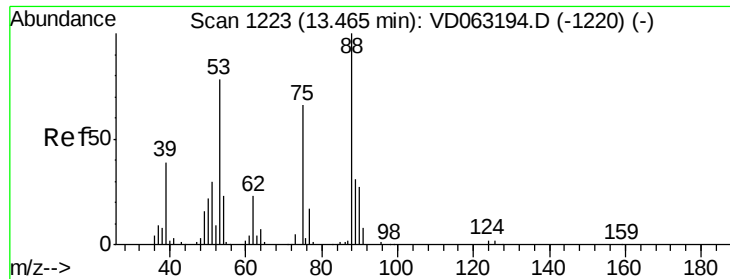
Tgt Ion:117 Resp: 1064178
Ion Ratio Lower Upper
117 100
82 50.5 40.1 60.1
119 31.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063364.D
Acq: 3 Aug 2019 16:29

Tgt Ion:152 Resp: 452500
Ion Ratio Lower Upper
152 100
115 61.5 27.5 82.4
150 162.1 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 138.120 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063364.D

Acq: 3 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

1S-C4-(30)

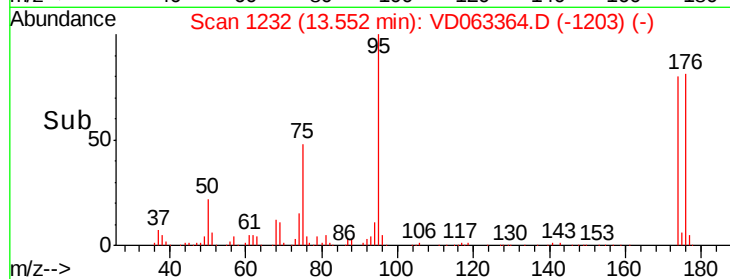
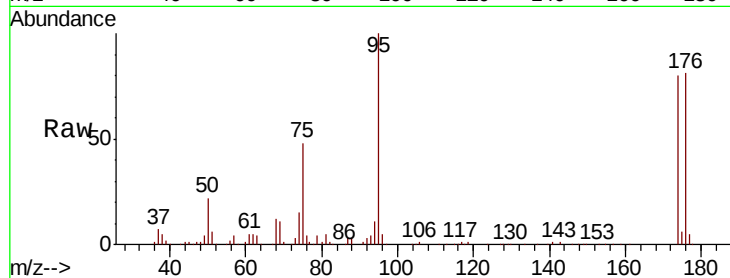
Tgt Ion: 75 Resp: 208453

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

