

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063243.D
 Acq On : 30 Jul 2019 15:52
 Operator : VA/AP
 Sample : K4049-01RE
 Misc : 4.07g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1RE

Quant Time: Jul 31 04:55:58 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	910953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1135596	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	870603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	308477	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	391538	38.74	ug/l	0.00
Spiked Amount			Recovery	=	77.48%	
35) Dibromofluoromethane	6.92	113	437833	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	10.41	98	820792	37.83	ug/l	0.00
Spiked Amount			Recovery	=	75.66%	
62) 4-Bromofluorobenzene	13.55	95	283274	28.65	ug/l	0.00
Spiked Amount			Recovery	=	57.30%	

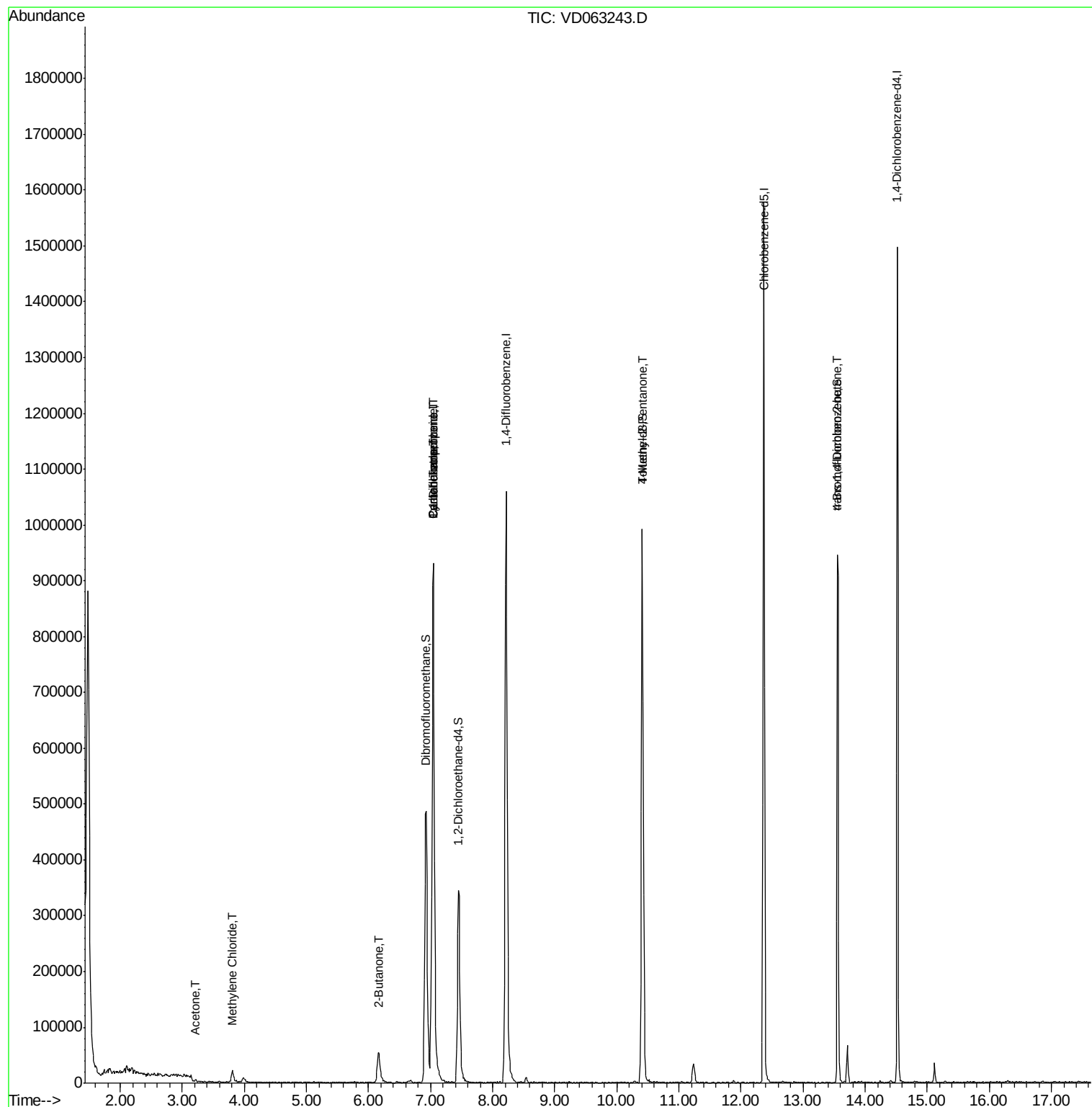
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	2333	1.185	ug/l #	62
20) Methylene Chloride	3.81	84	12164	1.528	ug/l #	70
25) 2-Butanone	6.16	43	4513	2.283	ug/l	95
31) Cyclohexane	7.04	56	20144	2.237	ug/l #	4
36) 1,1-Dichloropropene	7.04	75	65317	6.302	ug/l #	50
38) Carbon Tetrachloride	7.05	117	96465	6.183	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	5005	1.237	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	133717	129.966	ug/l #	3

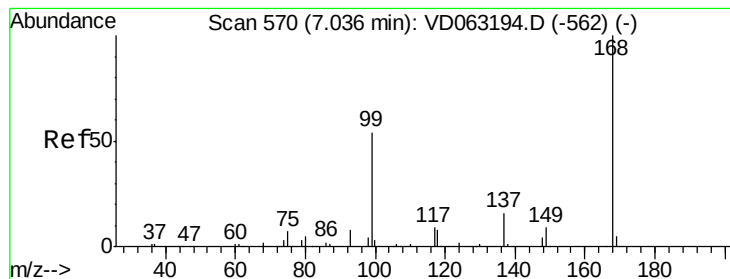
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063243.D

Acq: 30 Jul 2019 15:52

Instrument :

MSVOA_D

ClientSampleId :

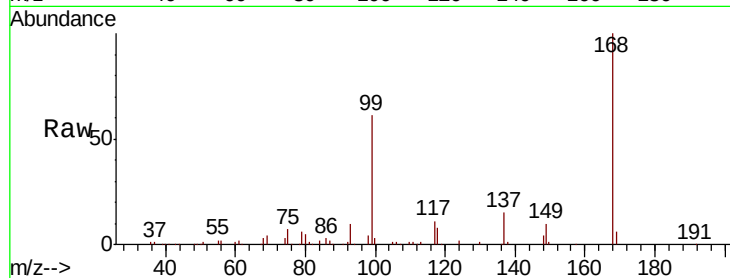
SP-1RE

Tot Ion:168 Resp: 910953

Ion Ratio Lower Upper

168 100

99 61.1 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

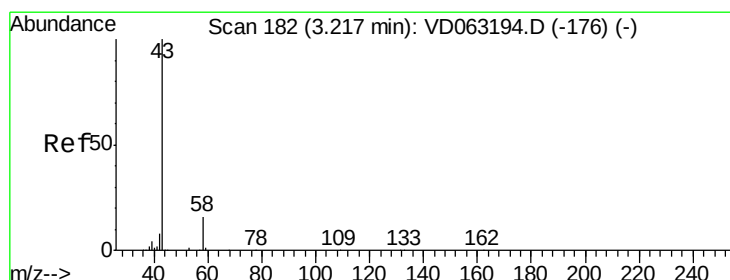
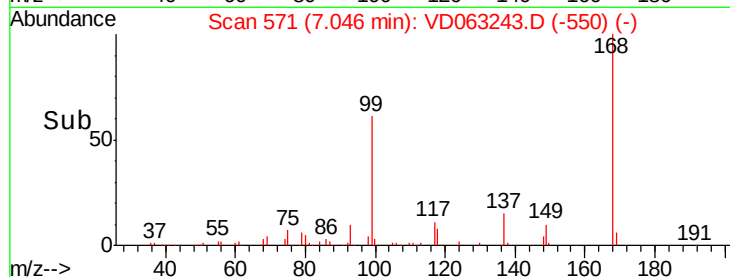
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.185 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063243.D

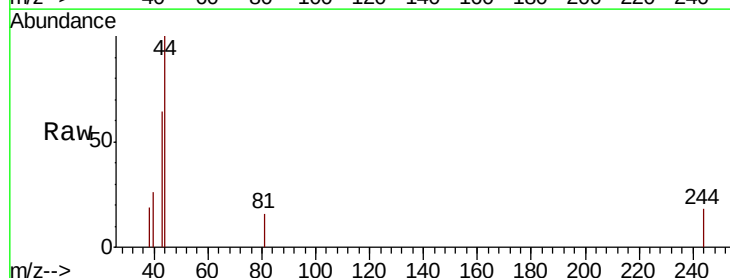
Acq: 30 Jul 2019 15:52

Tgt Ion: 43 Resp: 2333

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

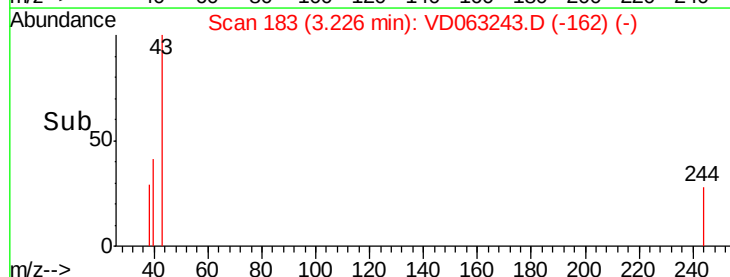
3.23

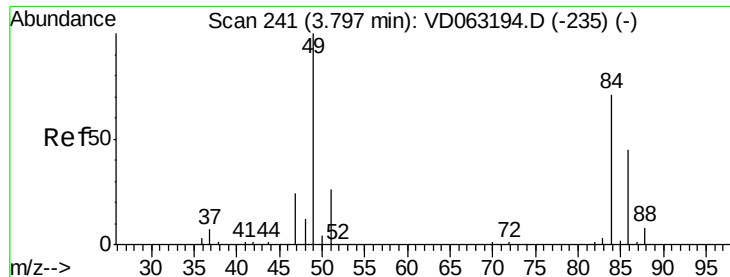
1000

500

0

Time-->

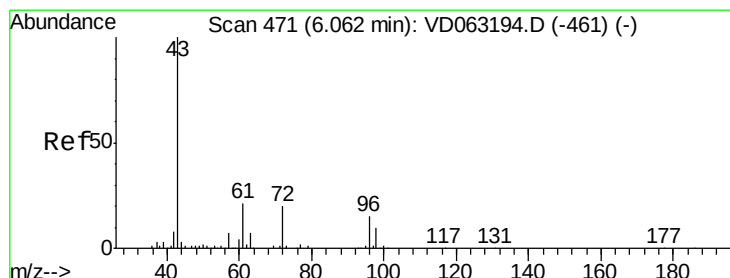
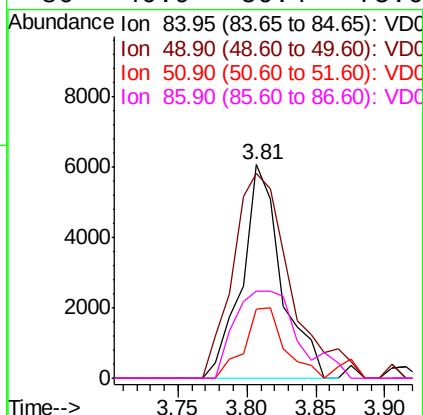
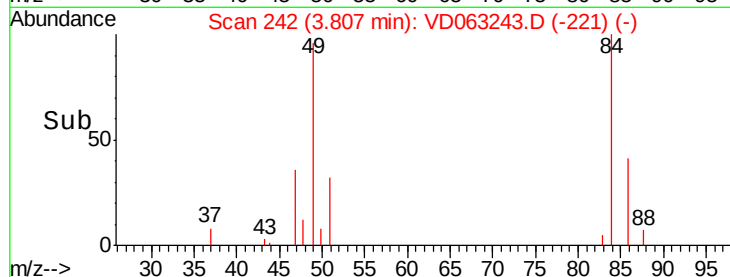
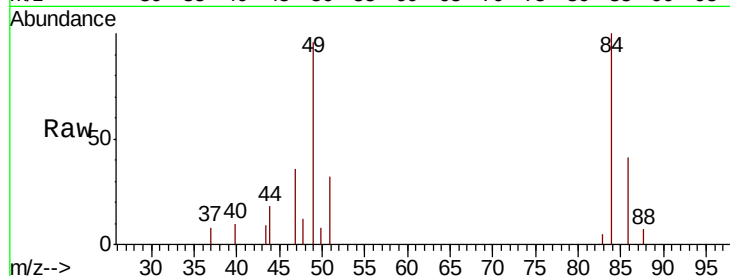




#20
Methvlene Chloride
Concen: 1.528 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063243.D
Acq: 30 Jul 2019 15:52

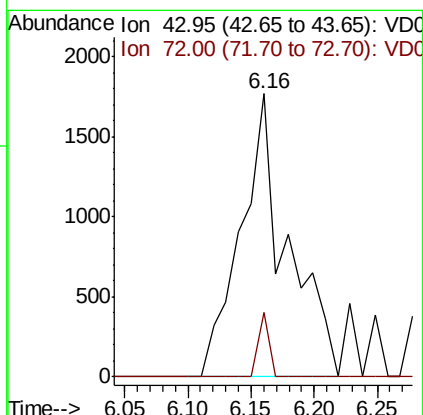
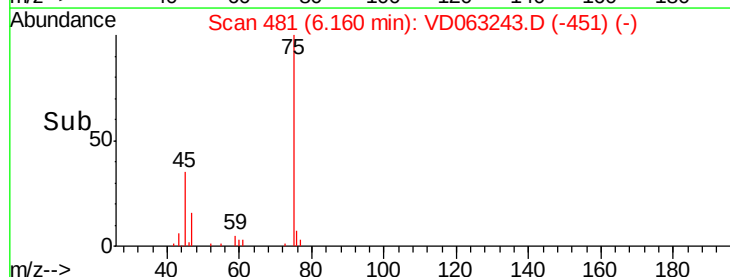
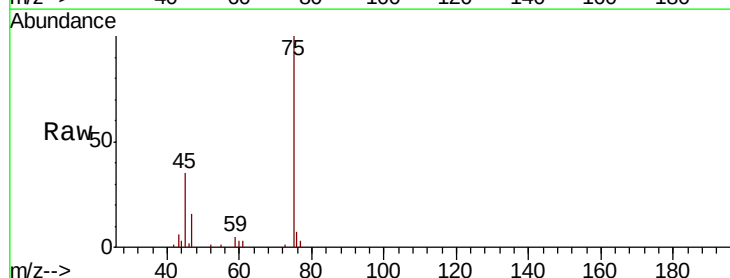
Instrument :
MSVOA_D
ClientSampleId :
SP-1RE

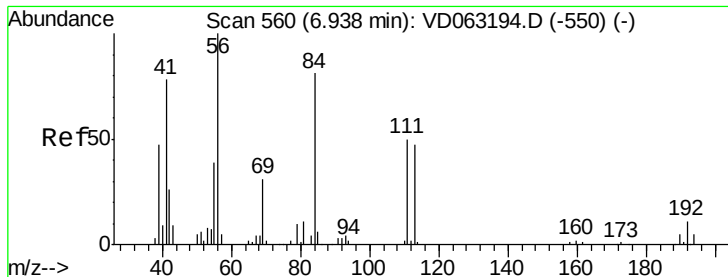
Tot Ion: 84 Resp: 12164
Ion Ratio Lower Upper
84 100
49 96.0 112.5 168.7#
51 32.1 29.6 44.4
86 40.9 50.4 75.6#



#25
2-Butanone
Concen: 2.283 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.10 min
Lab File: VD063243.D
Acq: 30 Jul 2019 15:52

Tgt Ion: 43 Resp: 4513
Ion Ratio Lower Upper
43 100
72 22.7 16.3 24.5

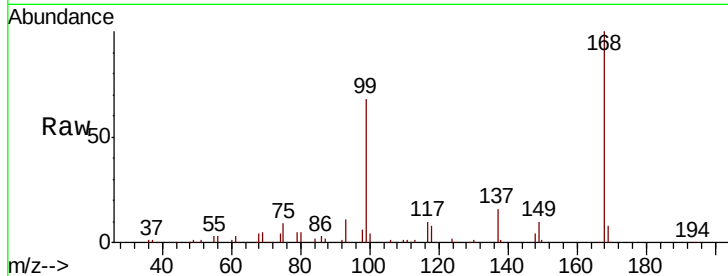




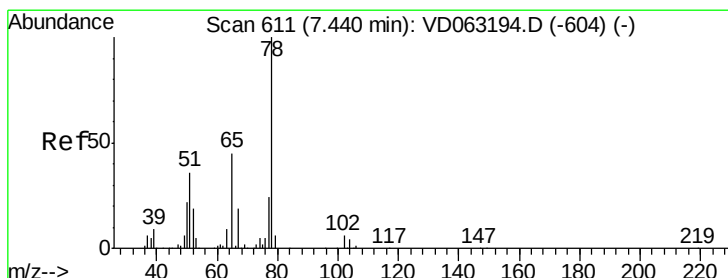
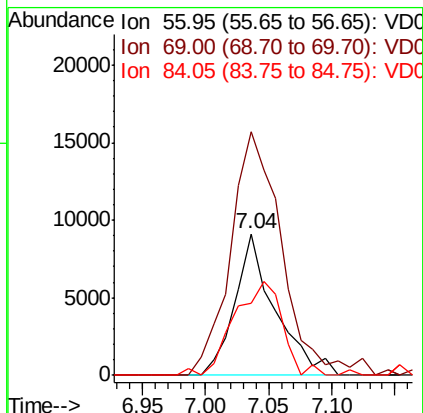
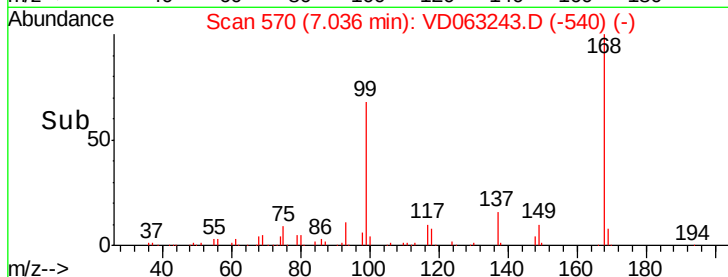
#31
Cyclohexane
Concen: 2.237 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063243.D
Acq: 30 Jul 2019 15:52

Instrument :
MSVOA_D
ClientSampleId :
SP-1RE

Tot Ion: 56 Resp: 20144
Ion Ratio Lower Upper
56 100
69 172.4 24.5 36.7#
84 50.8 64.9 97.3#

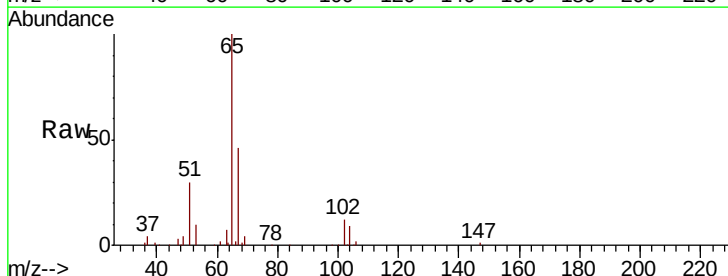


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

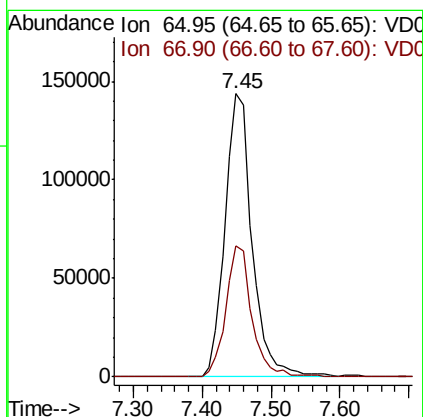
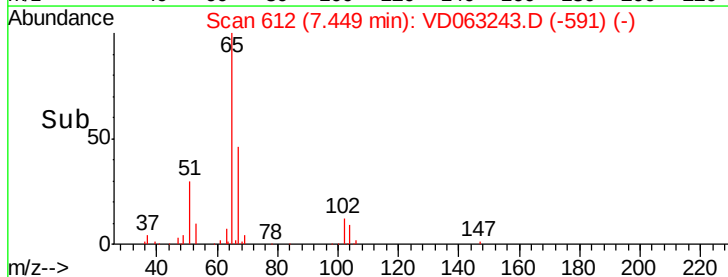


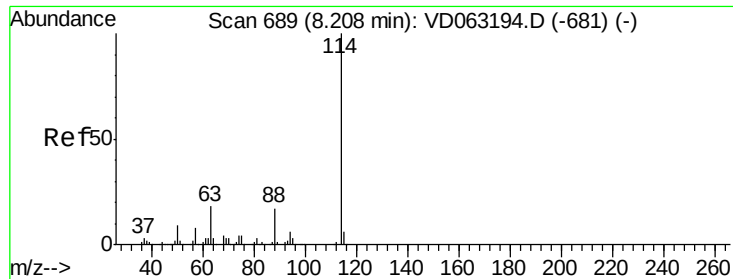
#33
1,2-Dichloroethane-d4
Concen: 38.736 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063243.D
Acq: 30 Jul 2019 15:52

Tgt Ion: 65 Resp: 391538
Ion Ratio Lower Upper
65 100
67 46.3 0.0 85.8



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

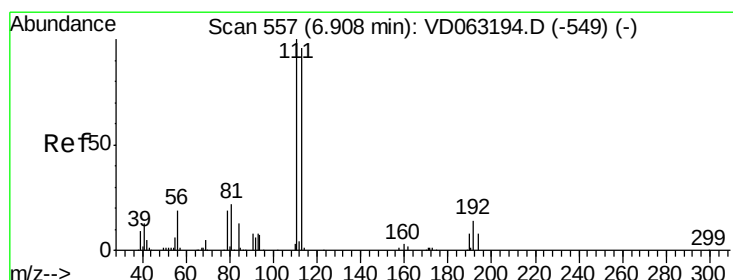
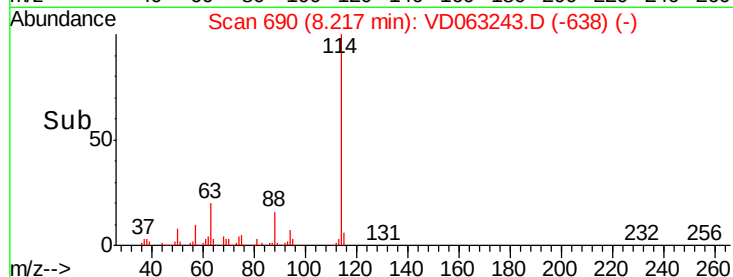
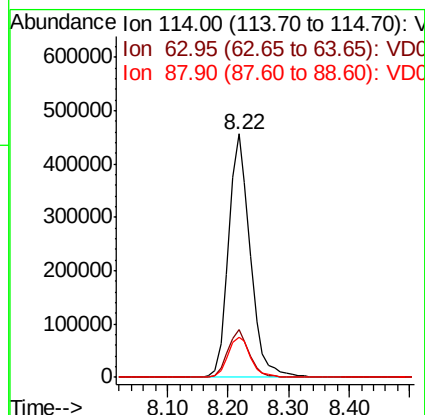
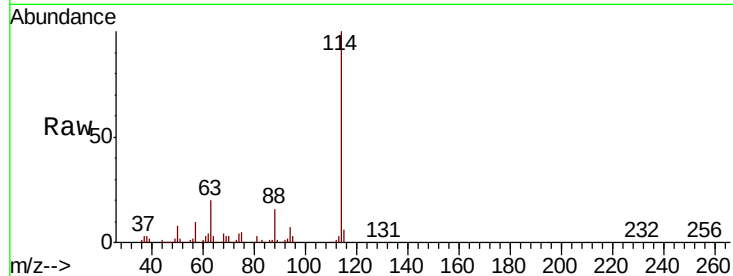




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063243.D
 Acq: 30 Jul 2019 15:52

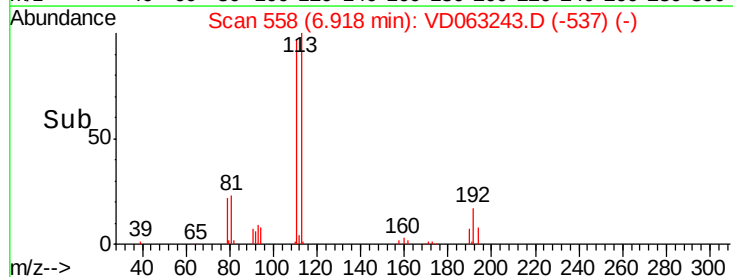
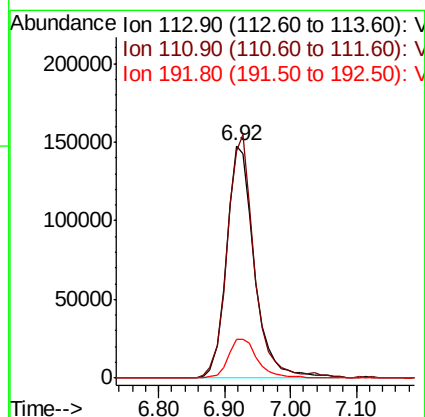
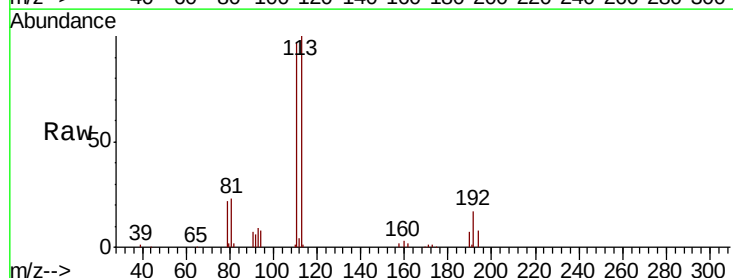
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1RE

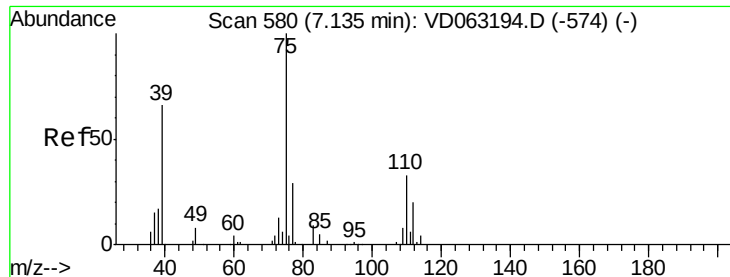
Tot Ion:114 Resp: 1135596
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 35.2
 88 16.3 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 45.158 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063243.D
 Acq: 30 Jul 2019 15:52

Tgt Ion:113 Resp: 437833
 Ion Ratio Lower Upper
 113 100
 111 97.4 83.2 124.8
 192 16.8 11.8 17.8

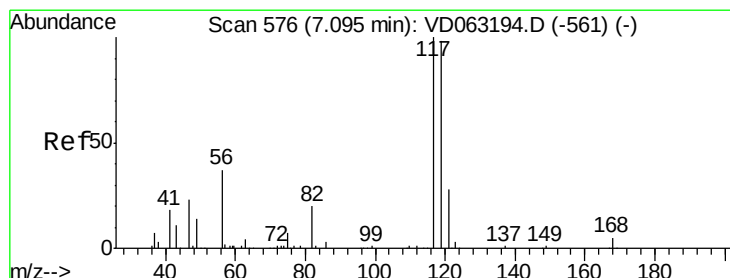
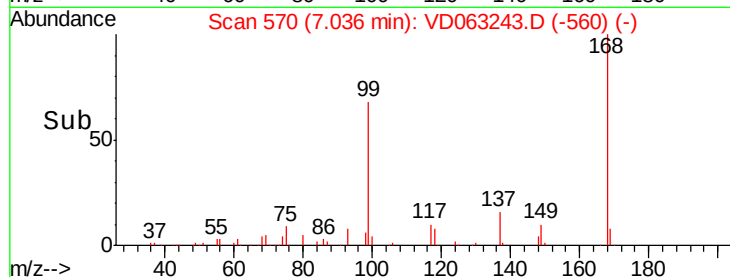
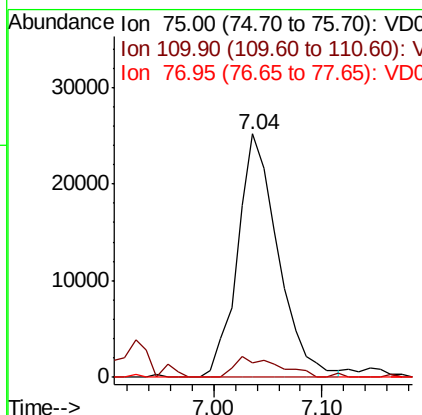
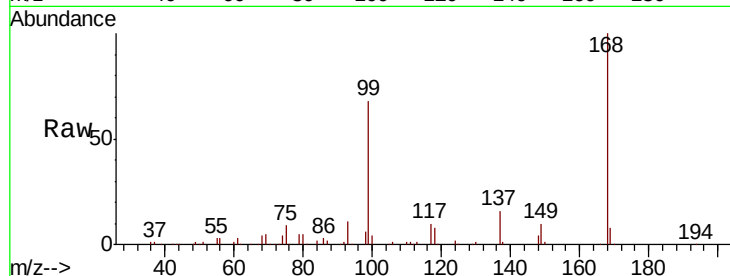




#36
 1,1-Dichloropropene
 Concen: 6.302 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063243.D
 Acq: 30 Jul 2019 15:52

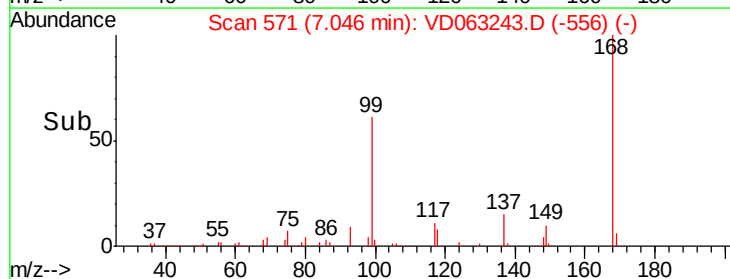
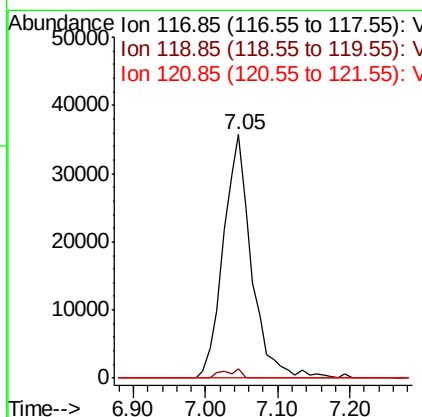
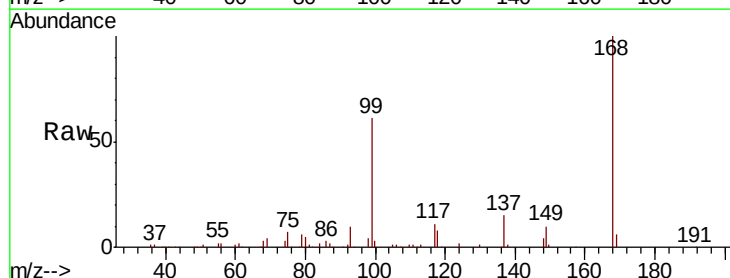
Instrument :
 MSVOA_D
 ClientSampleID :
 SP-1RE

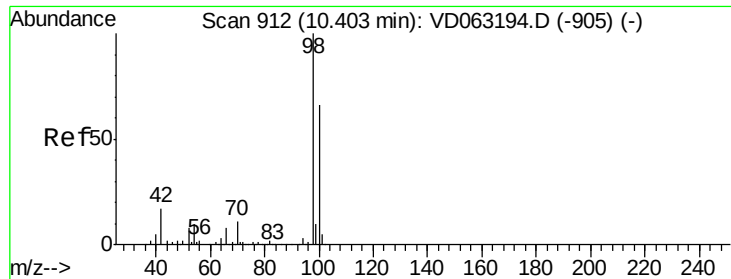
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.1	16.1	48.2#
77	0.0	22.7	34.1#



#38
 Carbon Tetrachloride
 Concen: 6.183 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063243.D
 Acq: 30 Jul 2019 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.2	117.2#
121	0.0	22.1	33.1#

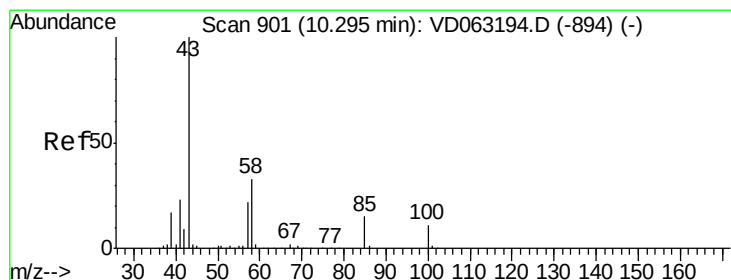
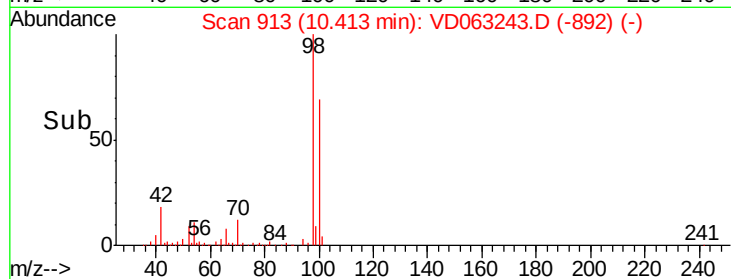
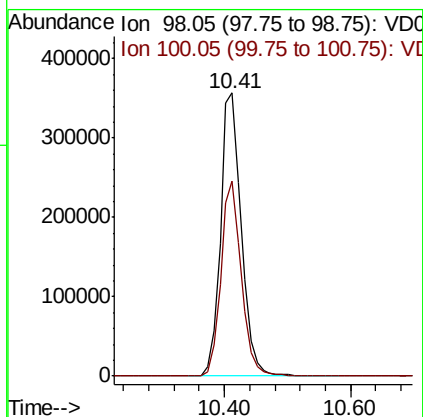
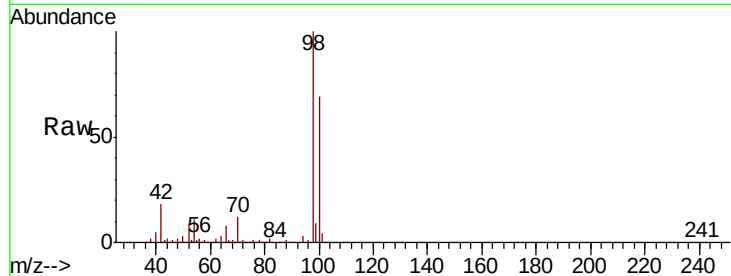




#50
Toluene-d8
Concen: 37.827 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063243.D
Acq: 30 Jul 2019 15:52

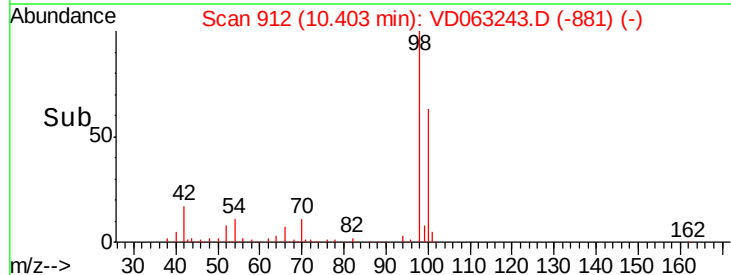
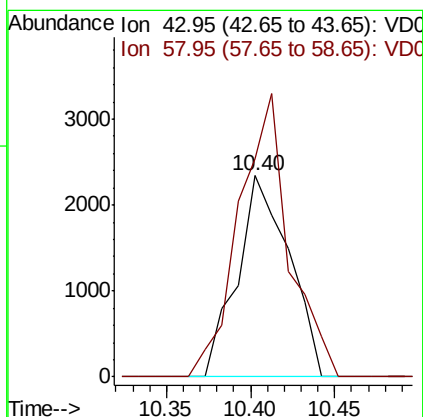
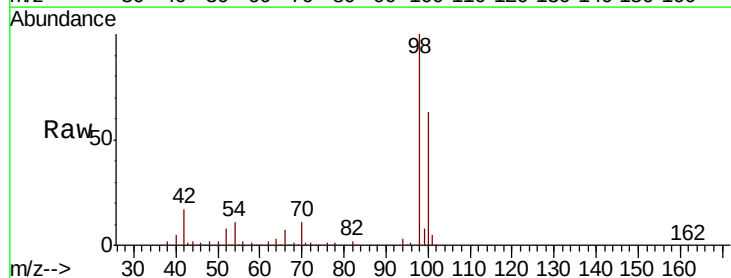
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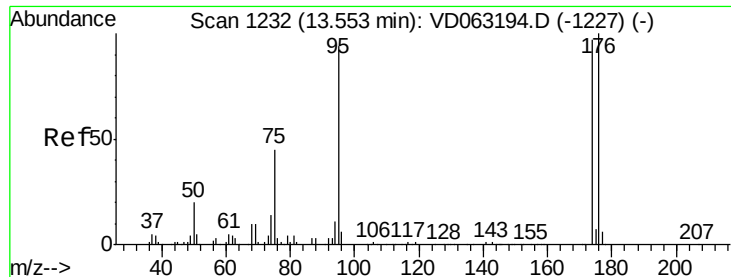
Tot Ion: 98 Resp: 820792
Ion Ratio Lower Upper
98 100
100 68.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.237 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.11 min
Lab File: VD063243.D
Acq: 30 Jul 2019 15:52

Tgt Ion: 43 Resp: 5005
Ion Ratio Lower Upper
43 100
58 108.7 26.2 39.2#





#62

4-Bromofluorobenzene

Concen: 28.648 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063243.D

Acq: 30 Jul 2019 15:52

Instrument :

MSVOA_D

ClientSampleID :

SP-1RE

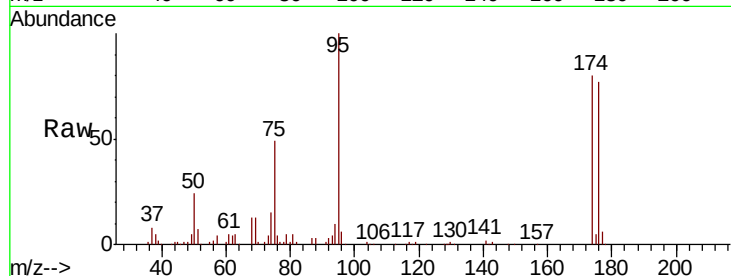
Tot Ion: 95 Resp: 283274

Ion Ratio Lower Upper

95 100

174 79.6 0.0 205.4

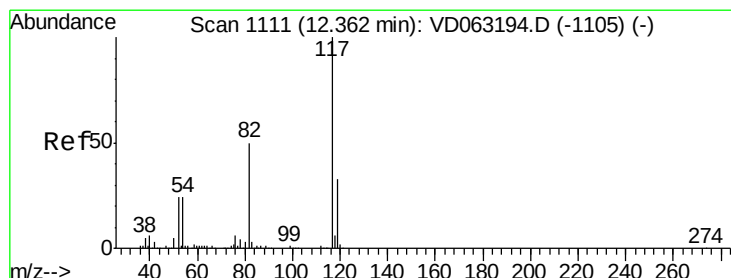
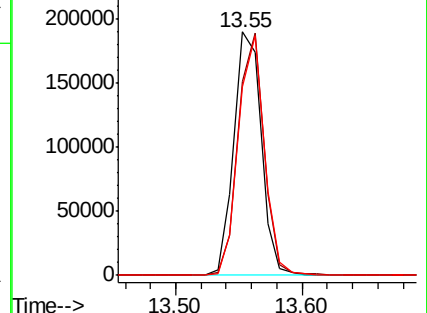
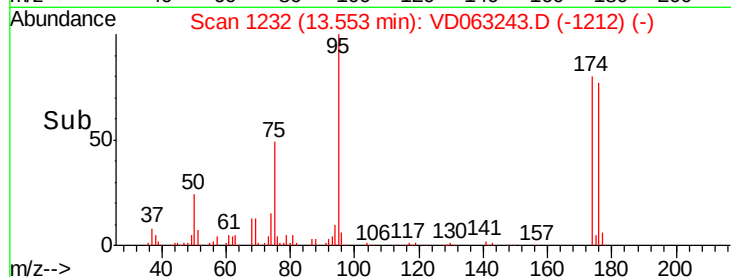
176 77.2 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063243.D

Acq: 30 Jul 2019 15:52

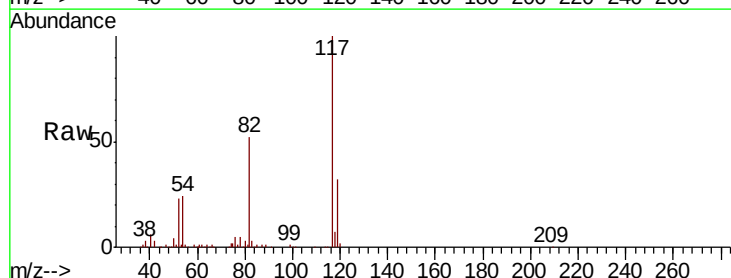
Tgt Ion: 117 Resp: 870603

Ion Ratio Lower Upper

117 100

82 51.8 40.1 60.1

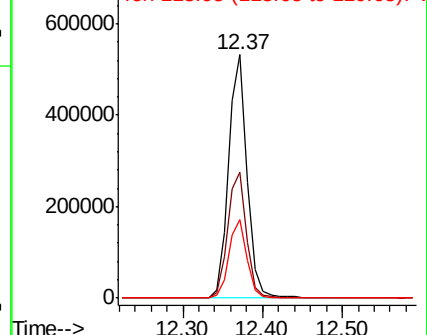
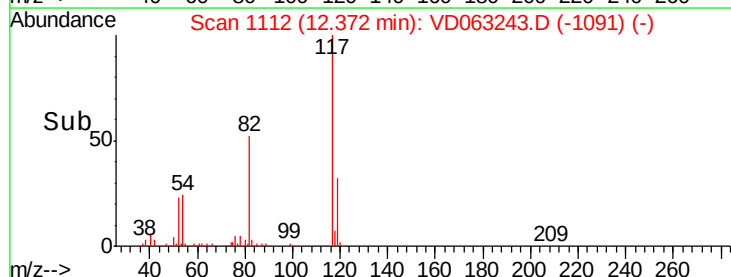
119 32.2 26.5 39.7

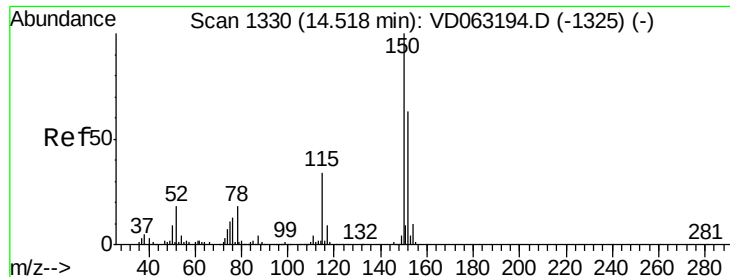


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063243.D

Acq: 30 Jul 2019 15:52

Instrument :

MSVOA_D

ClientSampleId :

SP-1RE

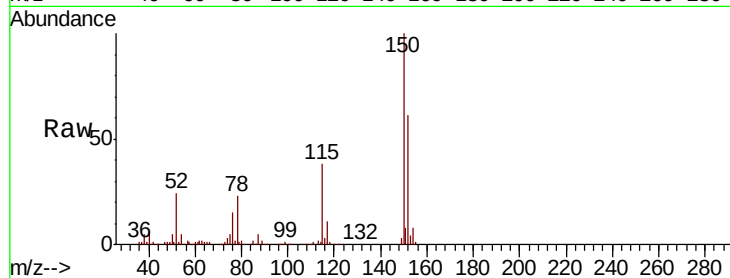
Tot Ion:152 Resp: 308477

Ion Ratio Lower Upper

152 100

115 62.3 27.5 82.4

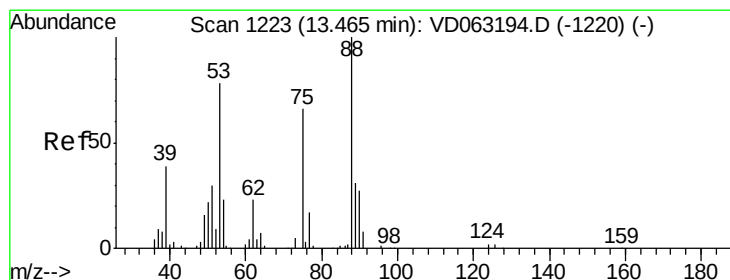
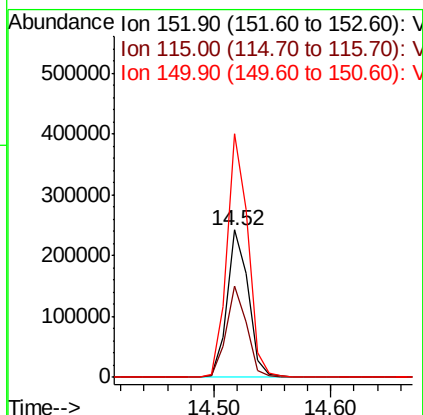
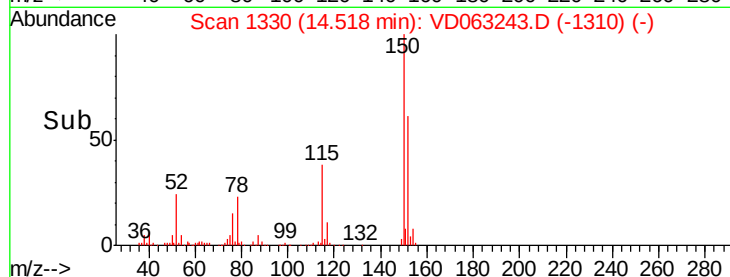
150 165.0 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 129.966 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063243.D

Acq: 30 Jul 2019 15:52

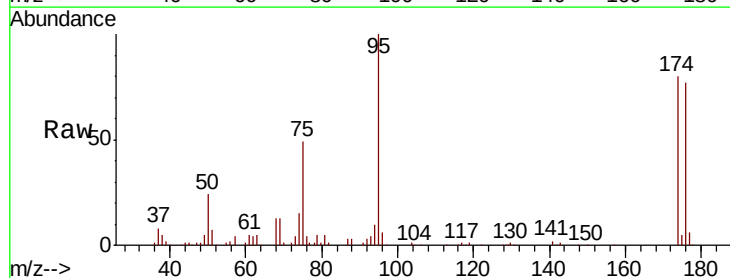
Tgt Ion: 75 Resp: 133717

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

