

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063251.D
 Acq On : 30 Jul 2019 19:34
 Operator : VA/AP
 Sample : K4049-07RE
 Misc : 4.50µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-7RE

Quant Time: Jul 31 04:57:35 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	7.03	168	859163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1109307	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	789985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	278645	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	356812	37.43	ug/l	0.00
Spiked Amount			Recovery	=	74.86%	
35) Dibromofluoromethane	6.91	113	363672	38.40	ug/l	0.00
Spiked Amount			Recovery	=	76.80%	
50) Toluene-d8	10.40	98	678915	32.03	ug/l	0.00
Spiked Amount			Recovery	=	64.06%	
62) 4-Bromofluorobenzene	13.55	95	218907	22.66	ug/l	0.00
Spiked Amount			Recovery	=	45.32%	

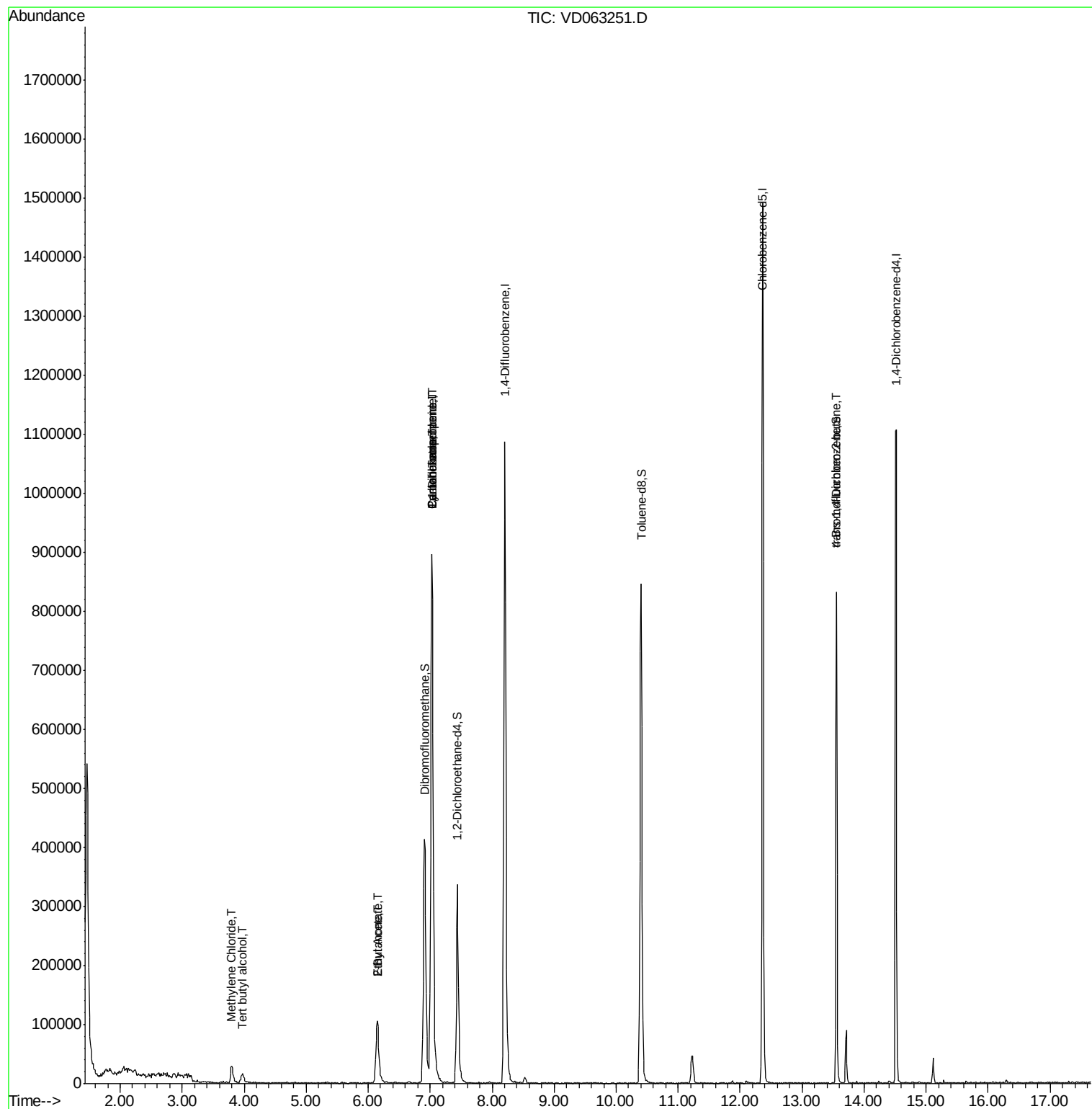
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	11368	27.172	ug/l	97
20) Methylene Chloride	3.80	84	19906	2.651	ug/l #	88
25) 2-Butanone	6.15	43	6765	3.629	ug/l #	56
31) Cyclohexane	7.02	56	18774	2.211	ug/l #	25
36) 1,1-Dichloropropene	7.03	75	64919	6.412	ug/l #	48
37) Ethyl Acetate	6.15	43	7012	1.542	ug/l #	18
38) Carbon Tetrachloride	7.03	117	86586	5.681	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	107069	115.207	ug/l #	3

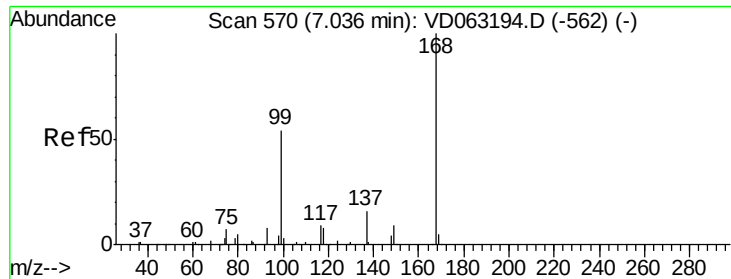
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063251.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

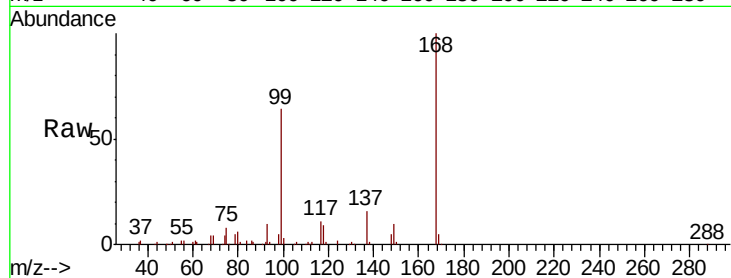
SP-7RE

Tot Ion:168 Resp: 859163

Ion Ratio Lower Upper

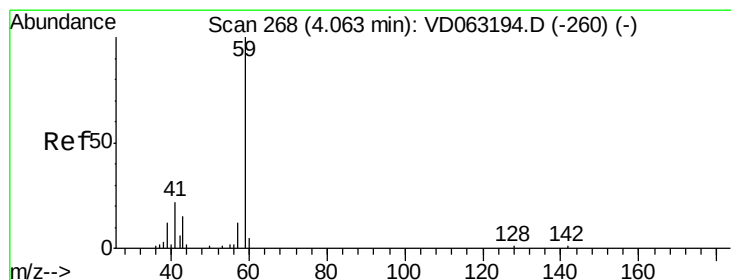
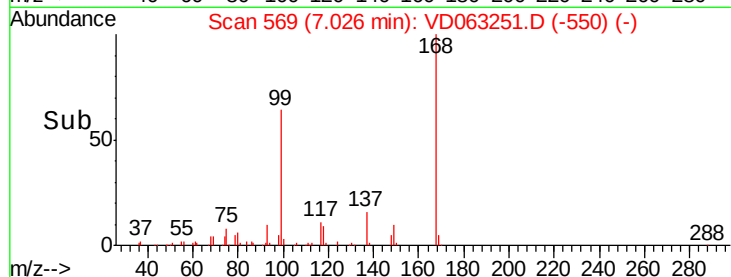
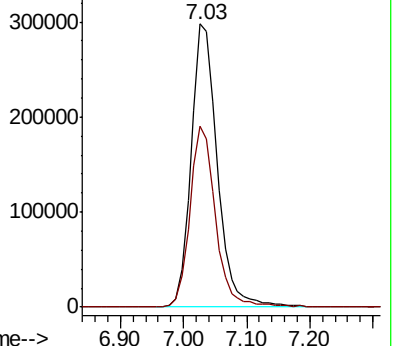
168 100

99 63.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 27.172 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD063251.D

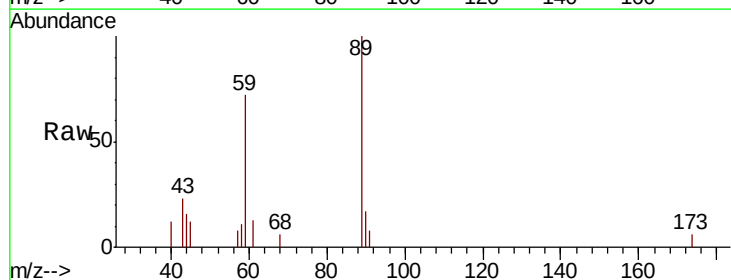
Acq: 30 Jul 2019 19:34

Tgt Ion: 59 Resp: 11368

Ion Ratio Lower Upper

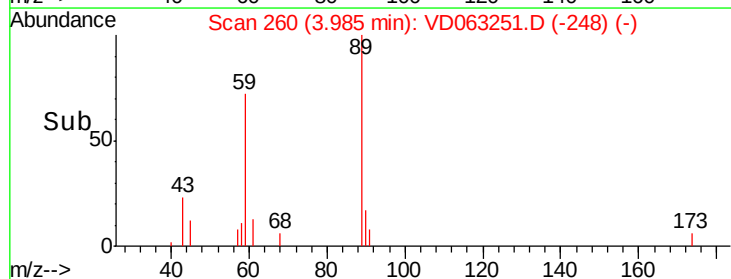
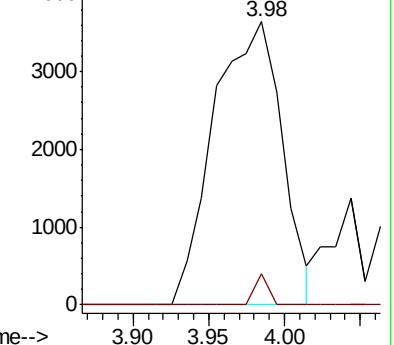
59 100

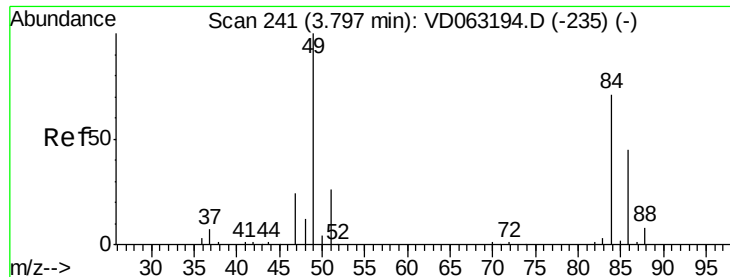
57 11.0 9.6 14.4



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#20

Methylene Chloride

Concen: 2.651 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063251.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

SP-7RE

Tot Ion: 84 Resp: 19906

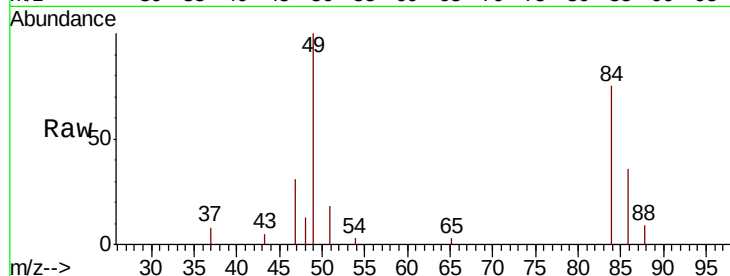
Ion Ratio Lower Upper

84 100

49 133.3 112.5 168.7

51 24.1 29.6 44.4#

86 48.1 50.4 75.6#

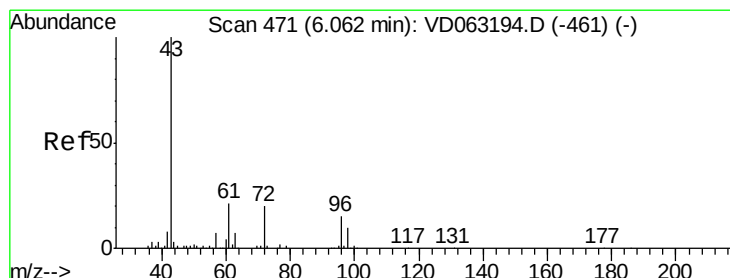
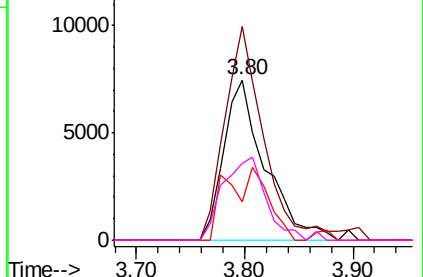
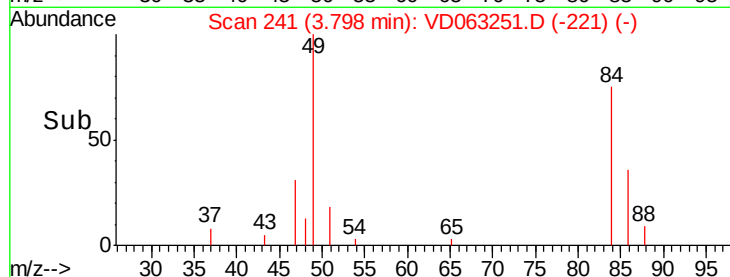


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 3.629 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.09 min

Lab File: VD063251.D

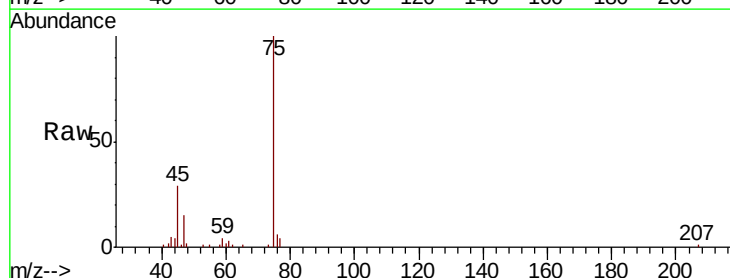
Acq: 30 Jul 2019 19:34

Tgt Ion: 43 Resp: 6765

Ion Ratio Lower Upper

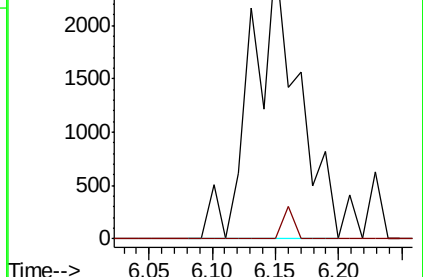
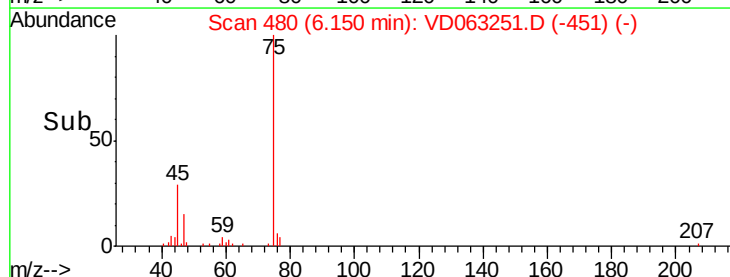
43 100

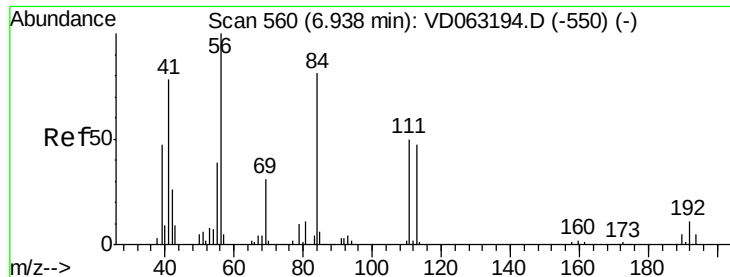
72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

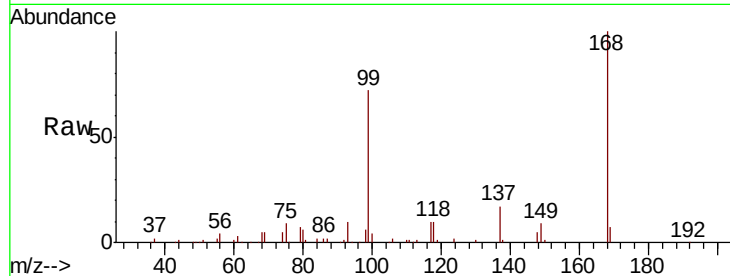




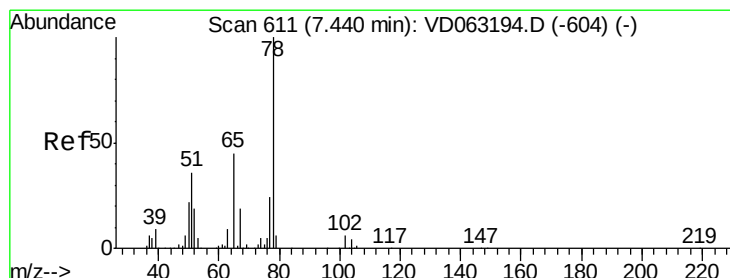
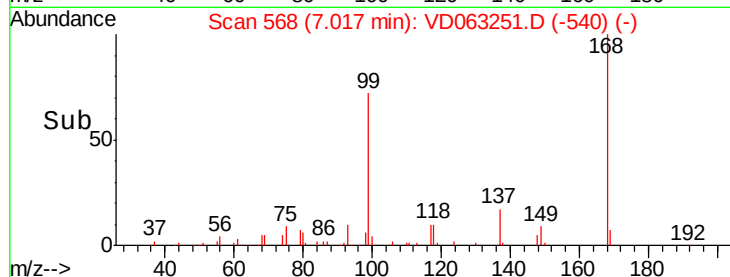
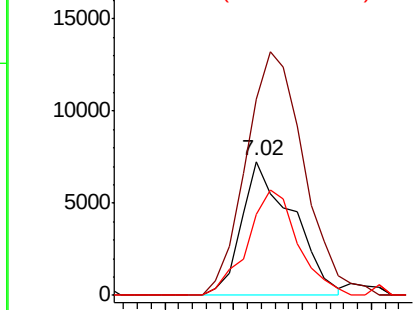
#31
Cyclohexane
Concen: 2.211 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD063251.D
Acq: 30 Jul 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
SP-7RE

Tot Ion: 56 Resp: 18774
Ion Ratio Lower Upper
56 100
69 146.8 24.5 36.7#
84 60.7 64.9 97.3#

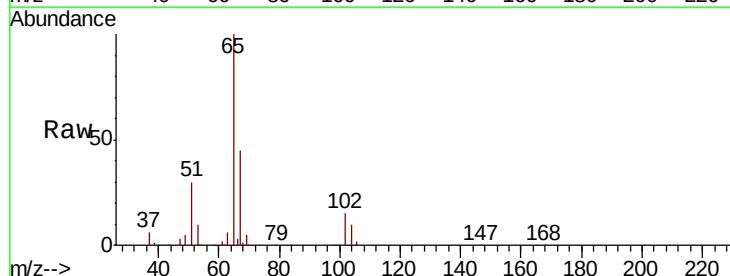


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

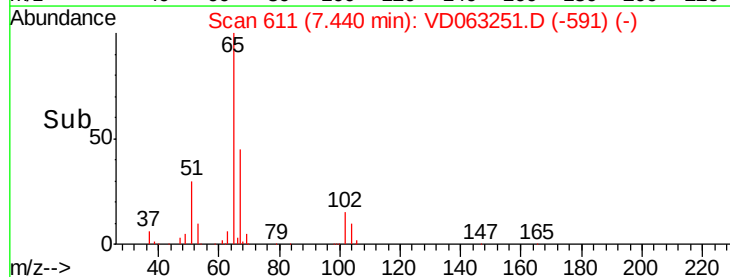
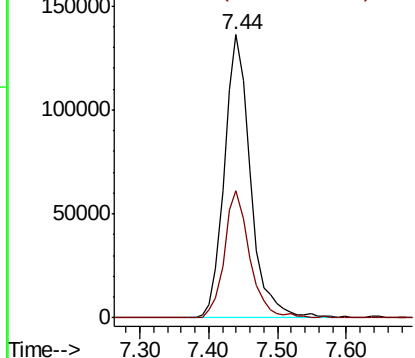


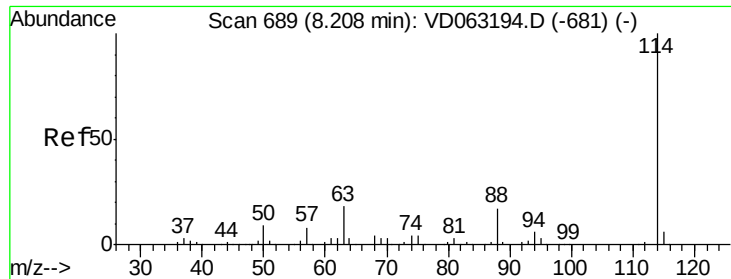
#33
1,2-Dichloroethane-d4
Concen: 37.428 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063251.D
Acq: 30 Jul 2019 19:34

Tgt Ion: 65 Resp: 356812
Ion Ratio Lower Upper
65 100
67 44.9 0.0 85.8



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

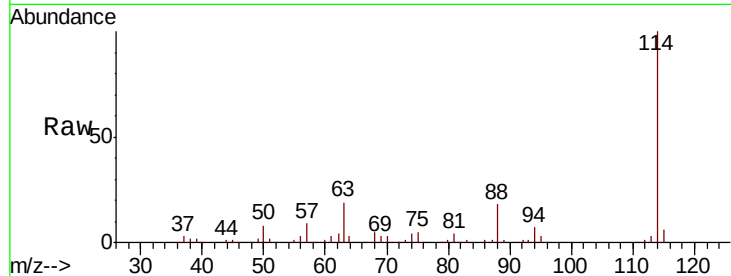




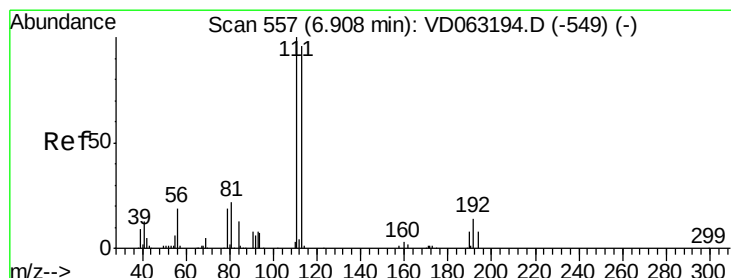
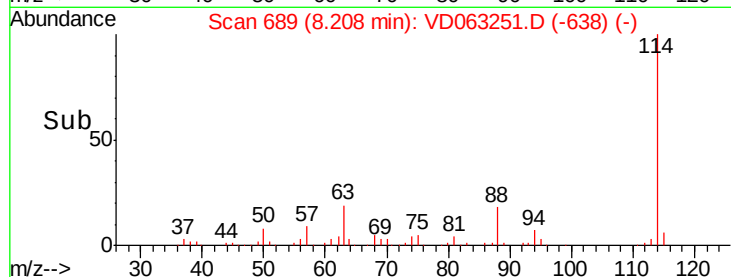
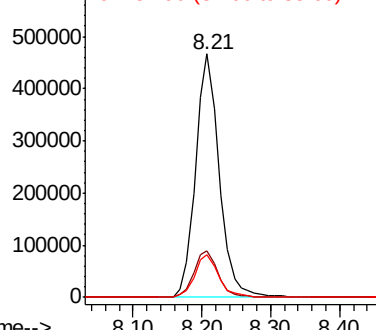
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063251.D
 Acq: 30 Jul 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-7RE

Tot Ion:114 Resp: 1109307
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 35.2
 88 17.6 0.0 34.6

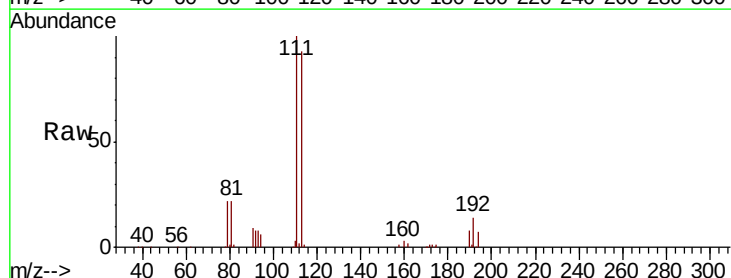


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

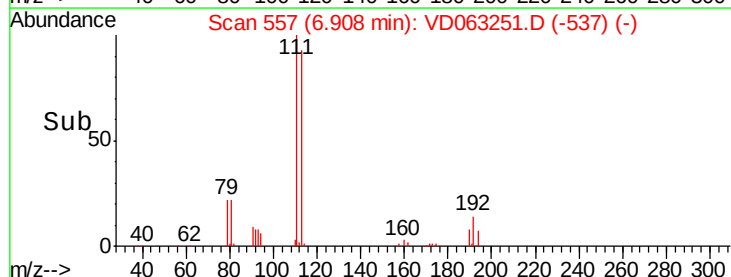
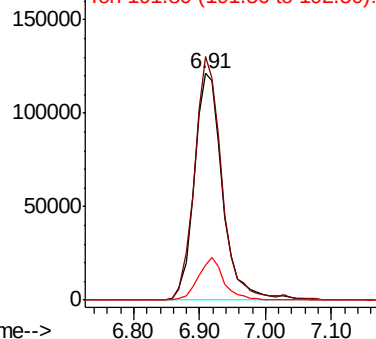


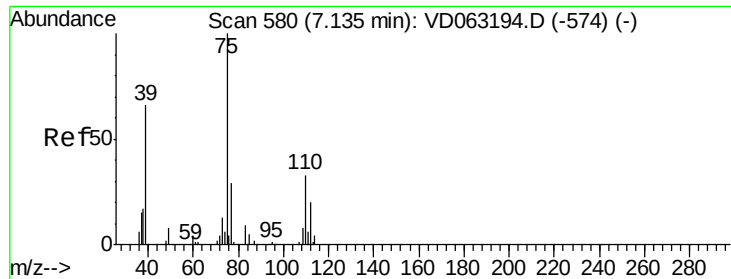
#35
 Dibromofluoromethane
 Concen: 38.398 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063251.D
 Acq: 30 Jul 2019 19:34

Tgt Ion:113 Resp: 363672
 Ion Ratio Lower Upper
 113 100
 111 107.5 83.2 124.8
 192 15.5 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: 6.412 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD063251.D

Acq: 30 Jul 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

SP-7RE

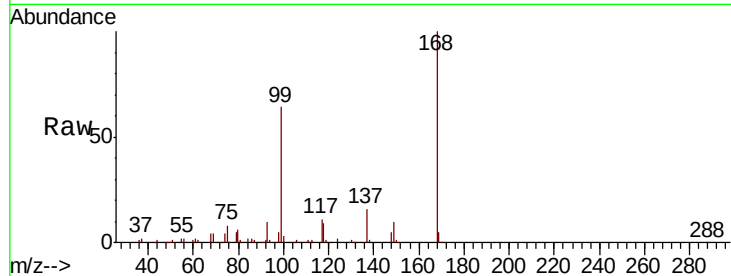
Tot Ion: 75 Resp: 64919

Ion Ratio Lower Upper

75 100

110 3.6 16.1 48.2#

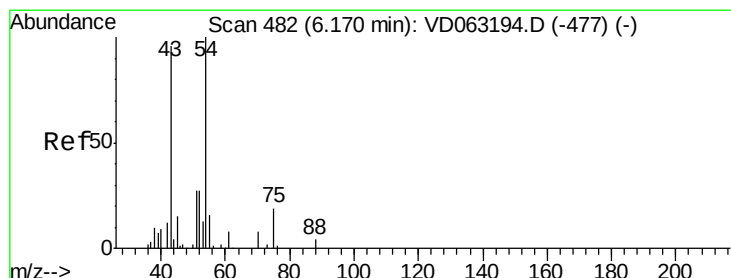
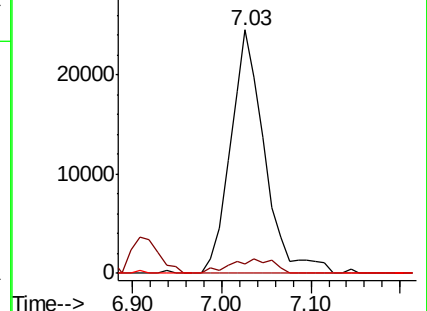
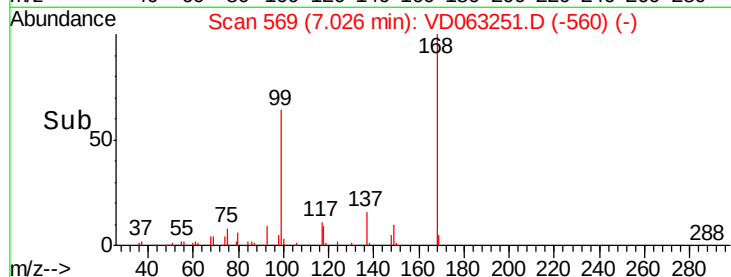
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.542 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063251.D

Acq: 30 Jul 2019 19:34

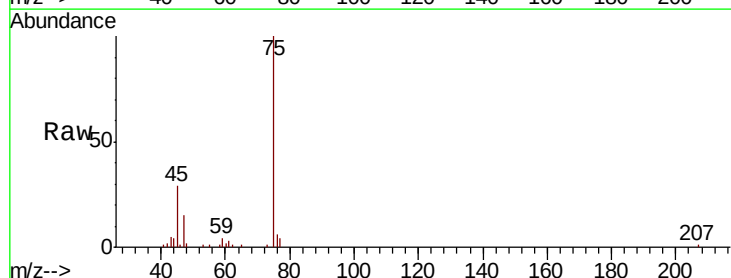
Tgt Ion: 43 Resp: 7012

Ion Ratio Lower Upper

43 100

61 59.2 11.3 16.9#

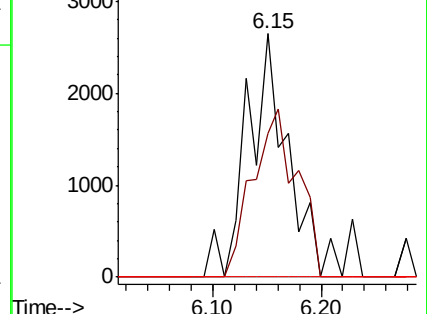
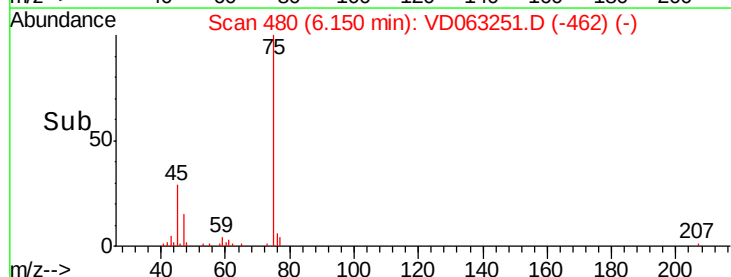
70 0.0 5.1 7.7#

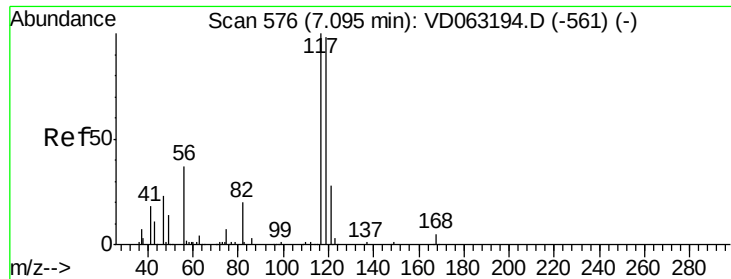


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063251.D

Acq: 30 Jul 2019 19:34

Instrument :

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ClientSampleId :

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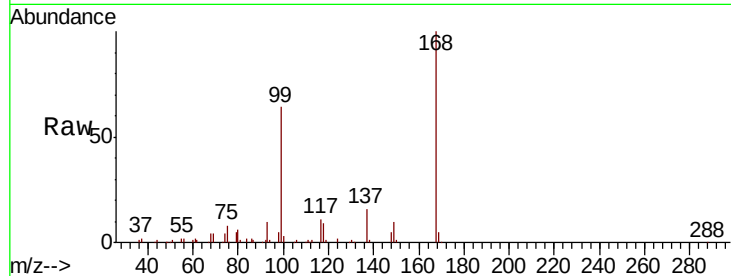
Tot Ion:117 Resp: 86586

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

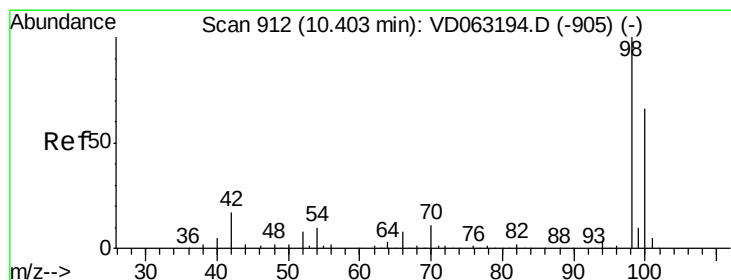
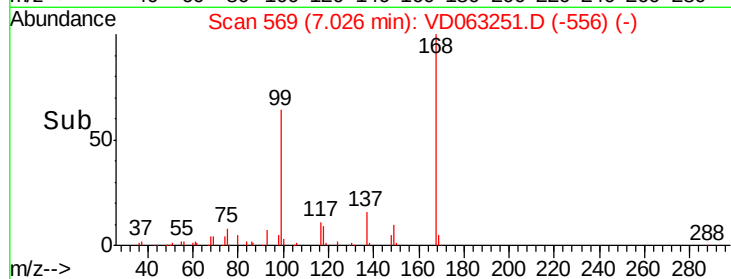
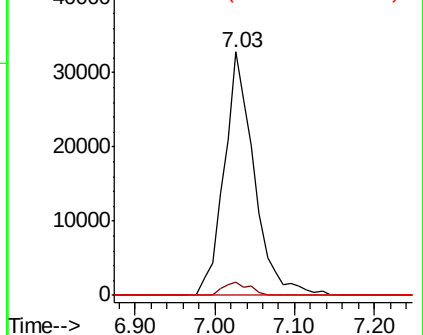
121 0.0 22.1 33.1#



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: 32.030 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063251.D

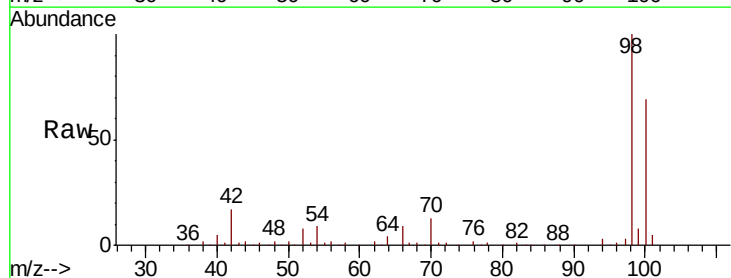
Acq: 30 Jul 2019 19:34

Tgt Ion: 98 Resp: 678915

Ion Ratio Lower Upper

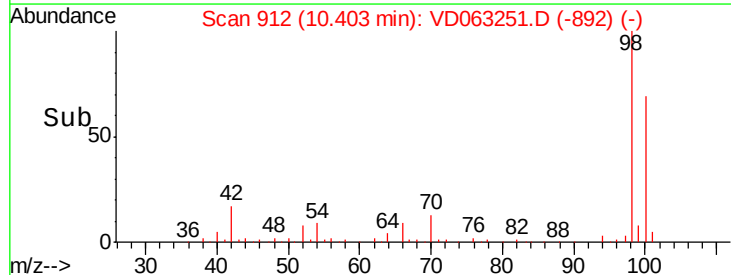
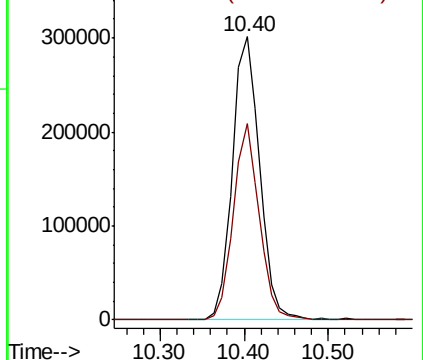
98 100

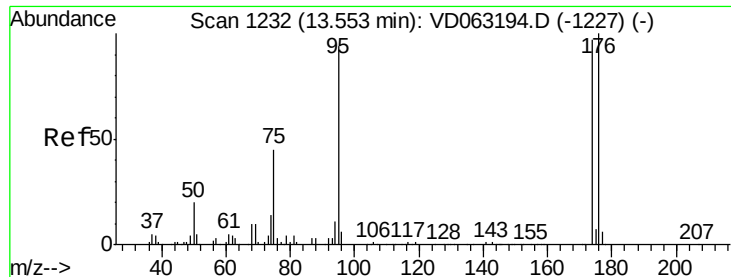
100 69.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 22.663 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063251.D

Acq: 30 Jul 2019 19:34

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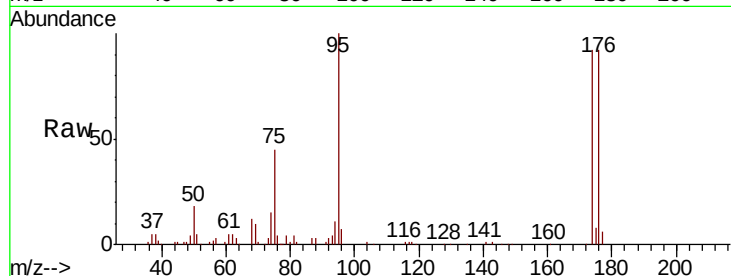
Tot Ion: 95 Resp: 218907

Ion Ratio Lower Upper

95 100

174 91.8 0.0 205.4

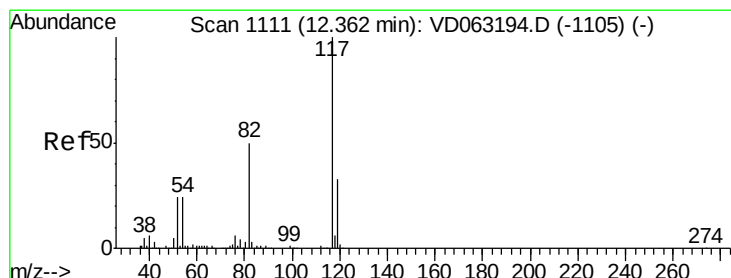
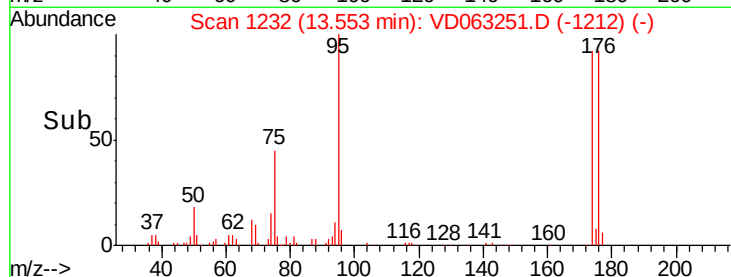
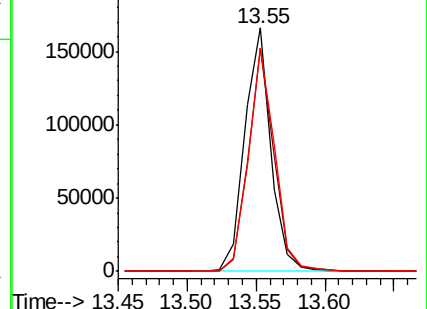
176 91.6 0.0 211.8



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: VD063251.D

Acq: 30 Jul 2019 19:34

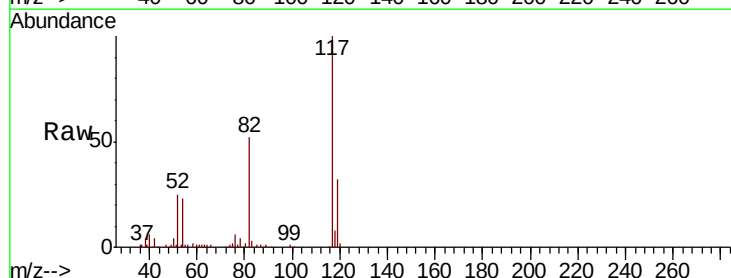
Tgt Ion: 117 Resp: 789985

Ion Ratio Lower Upper

117 100

82 52.1 40.1 60.1

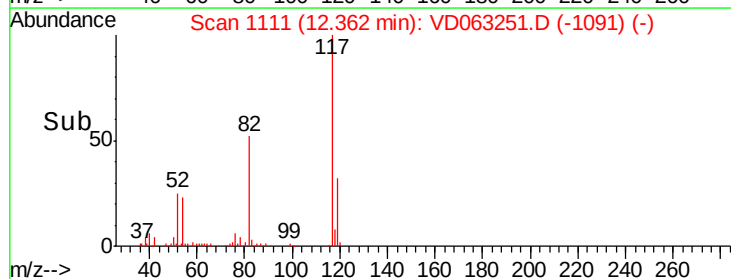
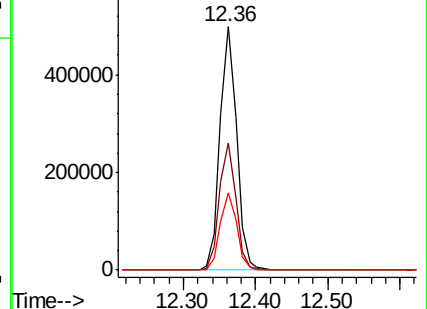
119 31.8 26.5 39.7

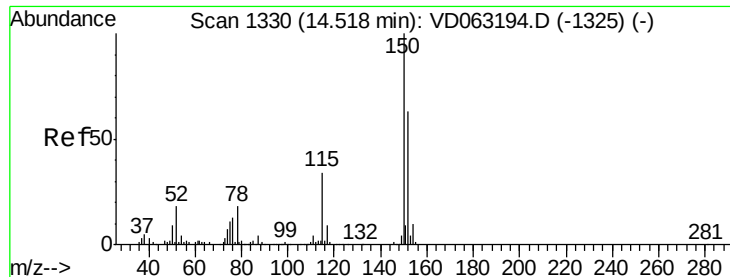


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

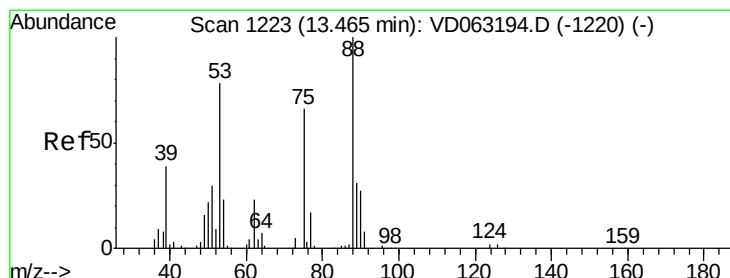
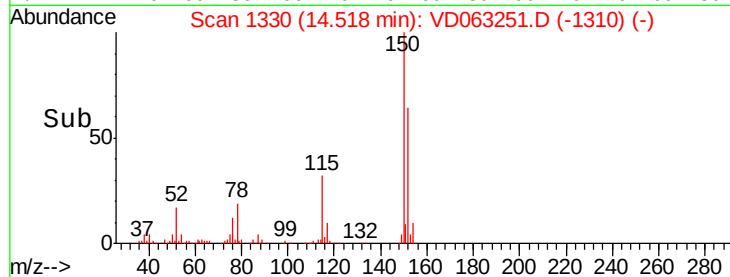
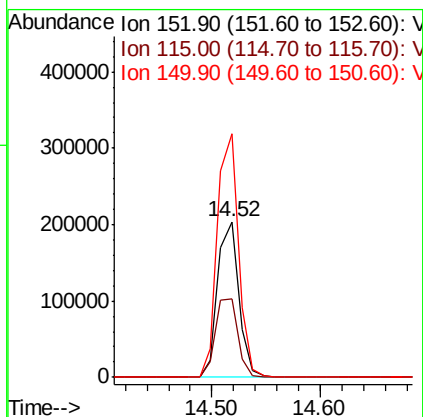
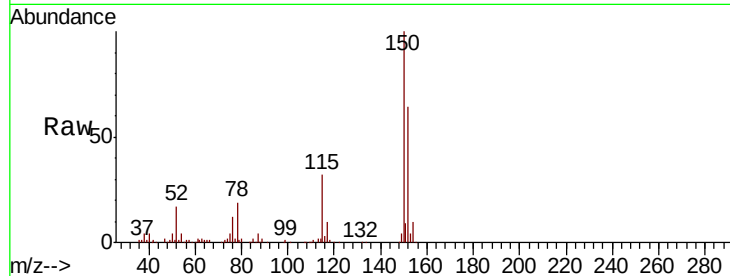




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD063251.D
 Acq: 30 Jul 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-7RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.5	27.5	82.4
150	156.7	0.0	320.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.207 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD063251.D
 Acq: 30 Jul 2019 19:34

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

