

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062881.D
 Acq On : 25 Jun 2019 16:09
 Operator : VA/AP
 Sample : K3511-03RE
 Misc : 6.25g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Jun 26 05:35:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	832574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1155965	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	972450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	498468	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	446097	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	6.94	113	480534	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.42	98	1024313	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	13.56	95	442552	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	

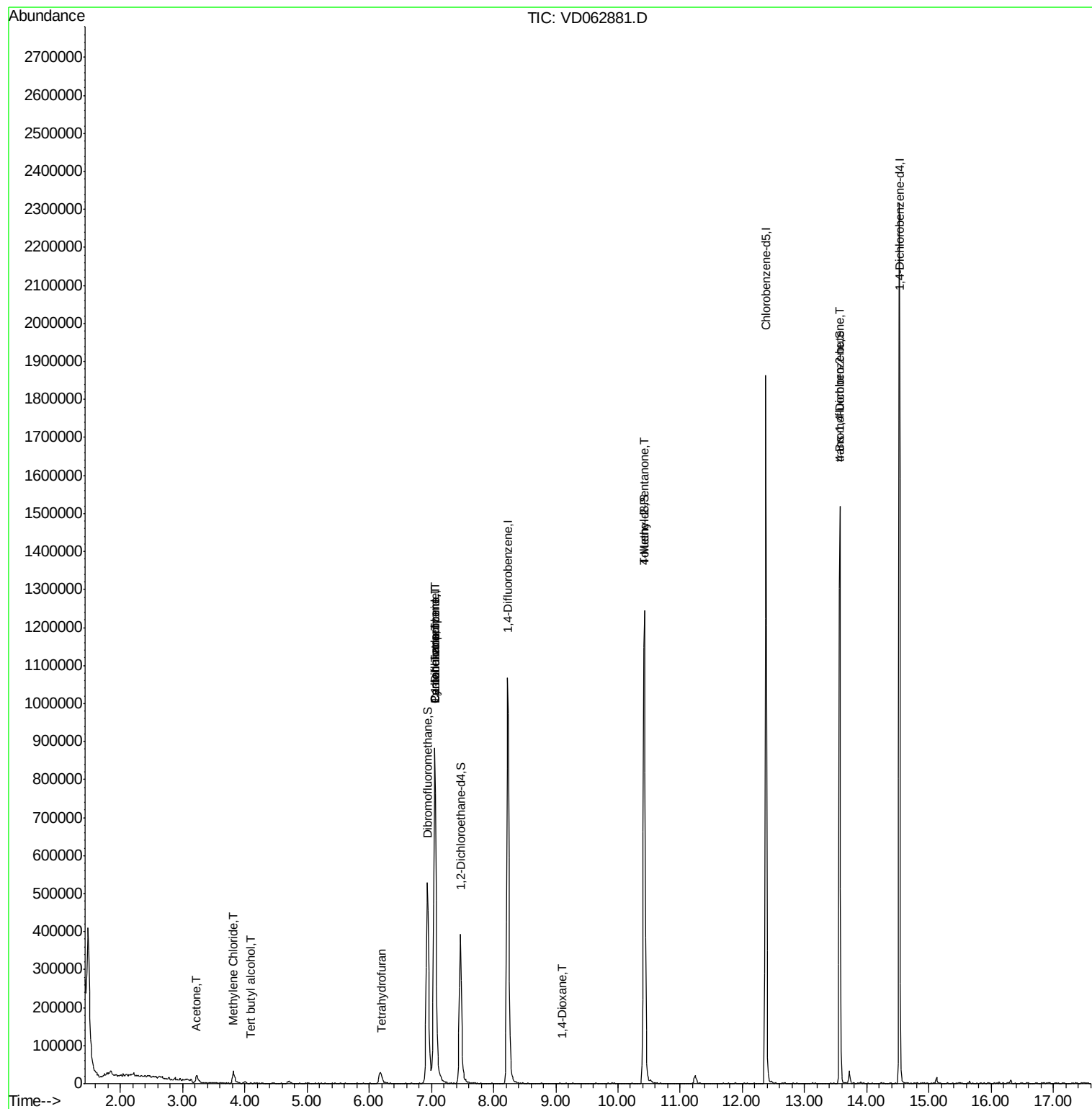
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.10	59	1222	2.965	ug/l #	77
16) Acetone	3.23	43	40988	15.780	ug/l #	81
20) Methylene Chloride	3.82	84	15916	2.306	ug/l #	85
29) Tetrahydrofuran	6.21	42	810	1.011	ug/l #	33
31) Cyclohexane	7.06	56	18280	2.151	ug/l #	13
36) 1,1-Dichloropropene	7.06	75	67837	6.199	ug/l #	53
37) Ethyl Acetate	6.18	43	3360	Below Cal	#	16
38) Carbon Tetrachloride	7.06	117	84097	5.110	ug/l #	15
49) 1,4-Dioxane	9.10	88	207	6.103	ug/l #	29
51) 4-Methyl-2-Pentanone	10.41	43	5532	1.360	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	208059	137.956	ug/l #	2

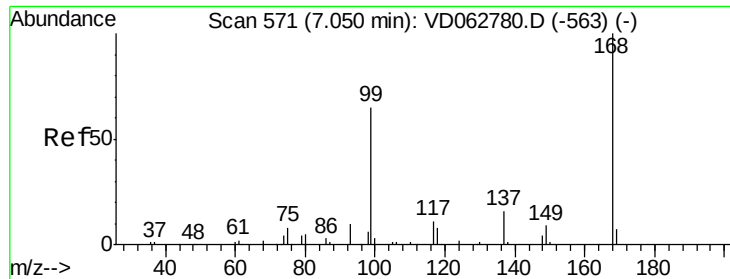
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

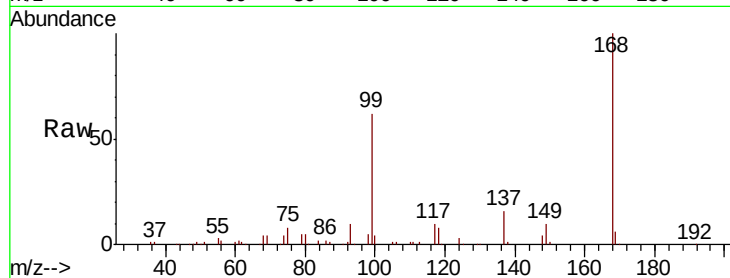
COMP-2

Tot Ion:168 Resp: 832574

Ion Ratio Lower Upper

168 100

99 62.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

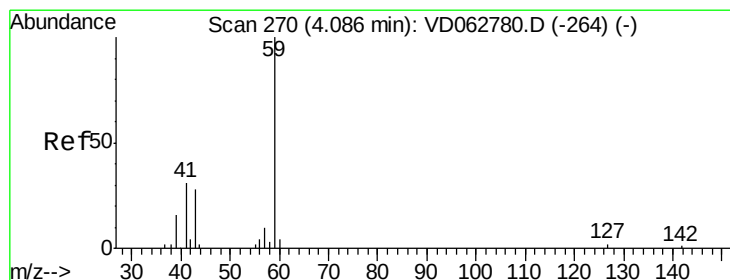
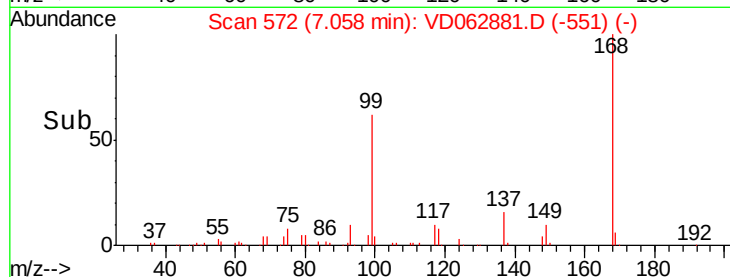
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.965 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.02 min

Lab File: VD062881.D

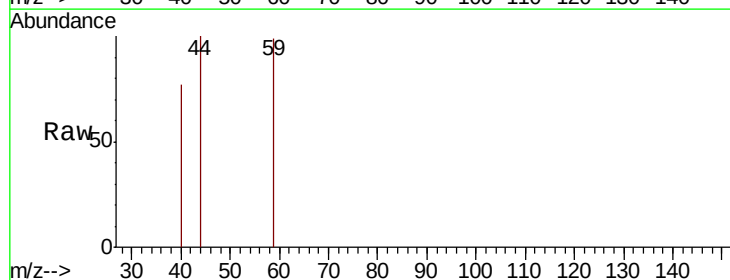
Acq: 25 Jun 2019 16:09

Tgt Ion: 59 Resp: 1222

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.10

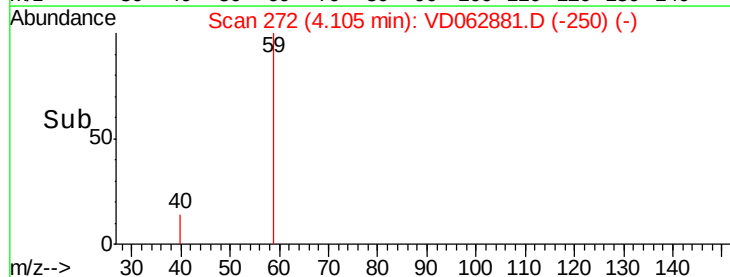
600

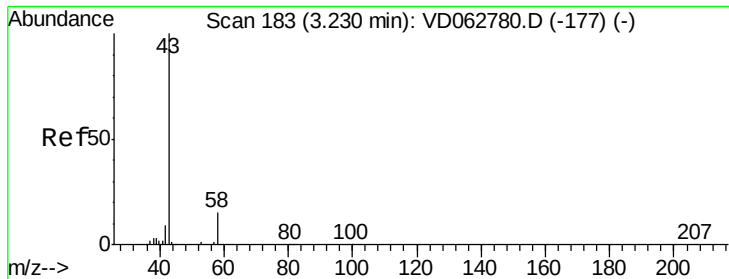
400

200

0

Time-->





#16

Acetone

Concen: 15.780 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

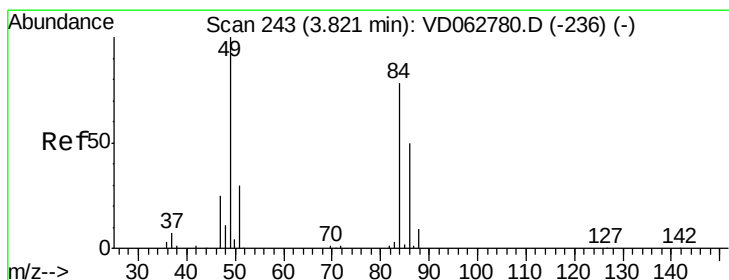
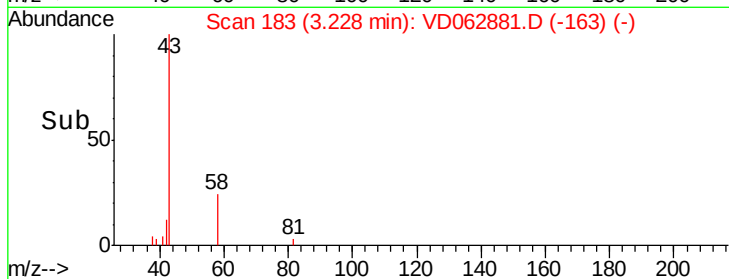
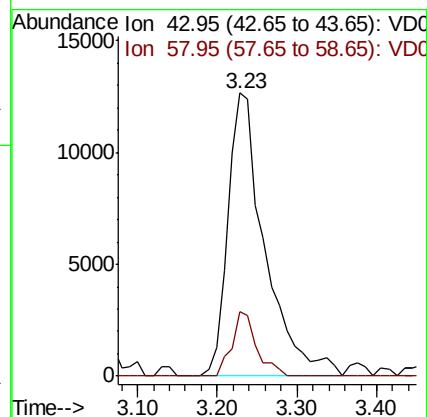
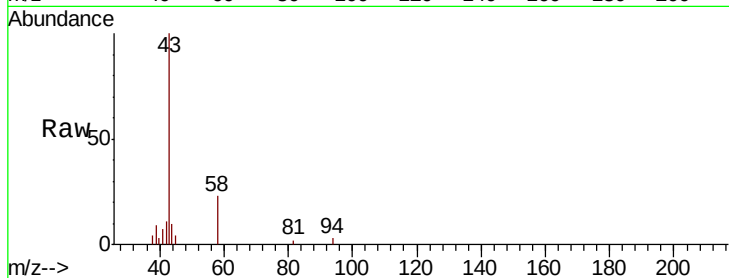
COMP-2

Tot Ion: 43 Resp: 40988

Ion Ratio Lower Upper

43 100

58 22.6 11.9 17.9#



#20

Methylene Chloride

Concen: 2.306 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

Tgt Ion: 84 Resp: 15916

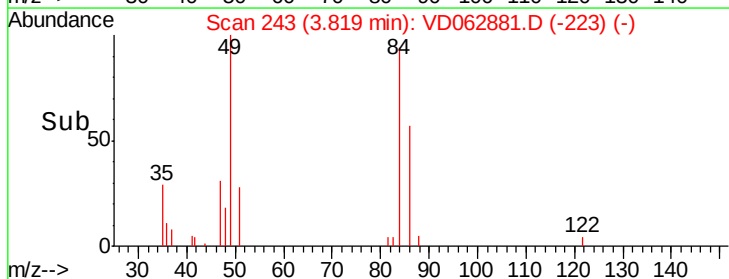
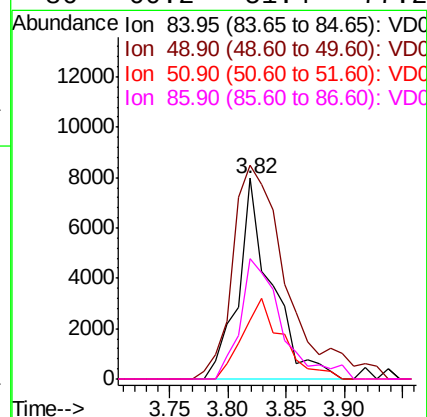
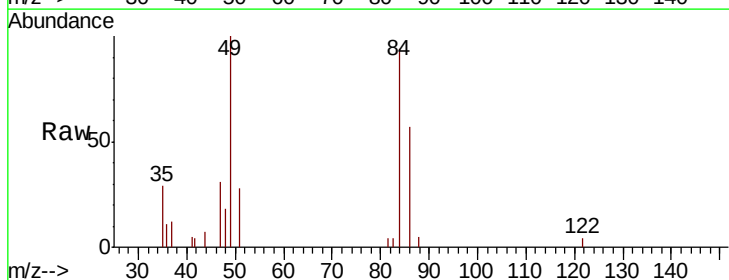
Ion Ratio Lower Upper

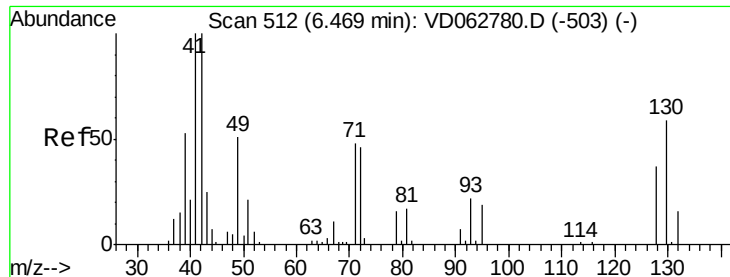
84 100

49 106.5 102.9 154.3

51 29.3 31.2 46.8#

86 60.2 51.4 77.2





#29

Tetrahydrofuran

Concen: 1.011 ug/l

RT: 6.21 min Scan# 486

Delta R.T. -0.26 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

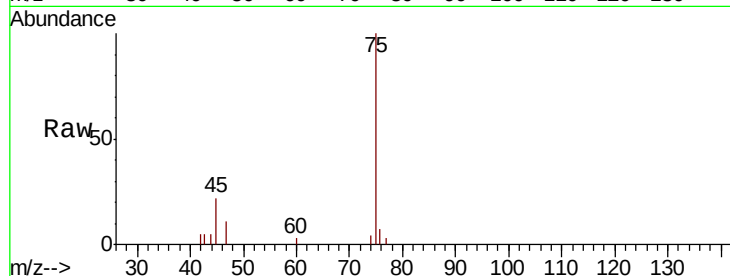
Tot Ion: 42 Resp: 810

Ion Ratio Lower Upper

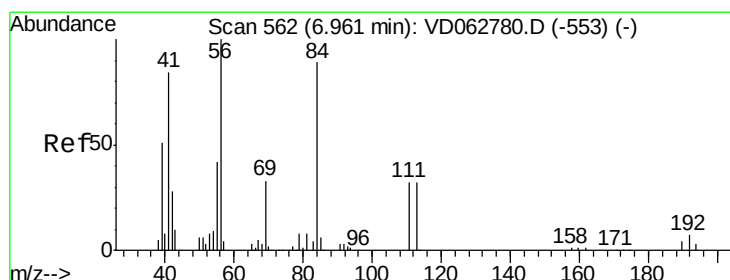
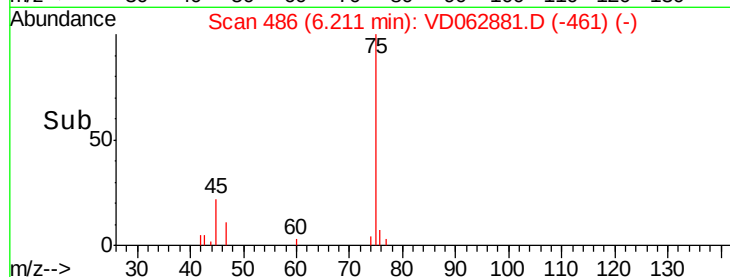
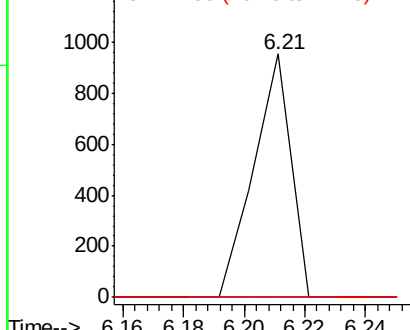
42 100

72 0.0 35.0 52.6#

71 0.0 33.3 49.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.151 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

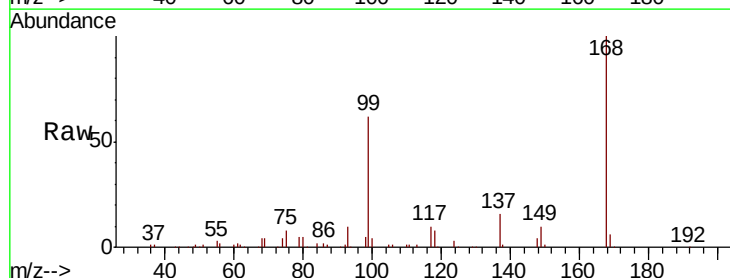
Tgt Ion: 56 Resp: 18280

Ion Ratio Lower Upper

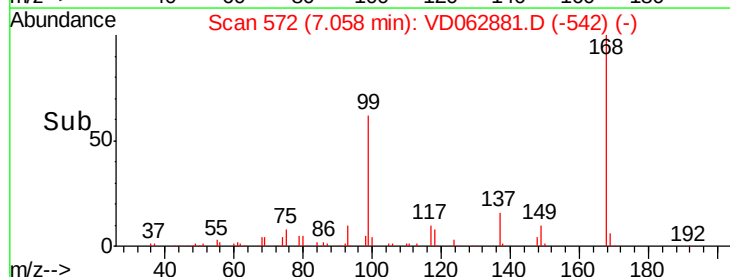
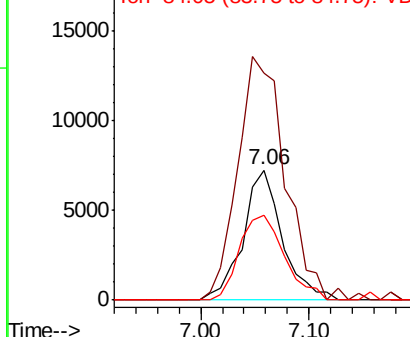
56 100

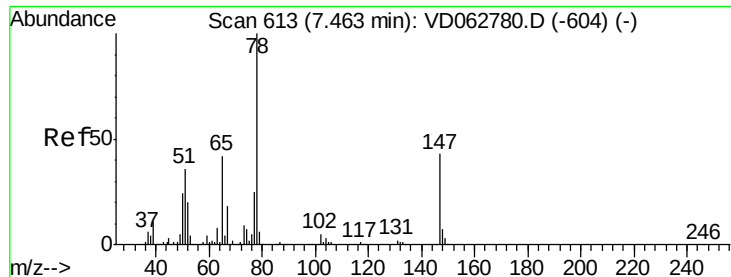
69 174.2 26.6 39.8#

84 65.6 75.5 113.3#



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

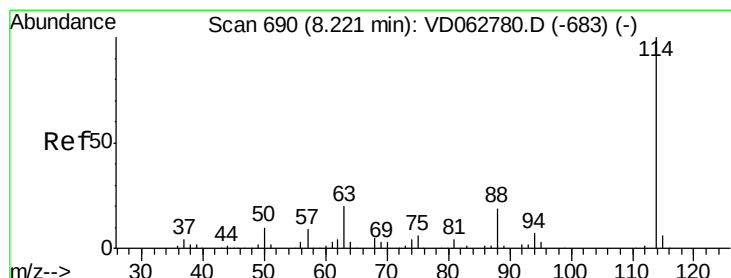
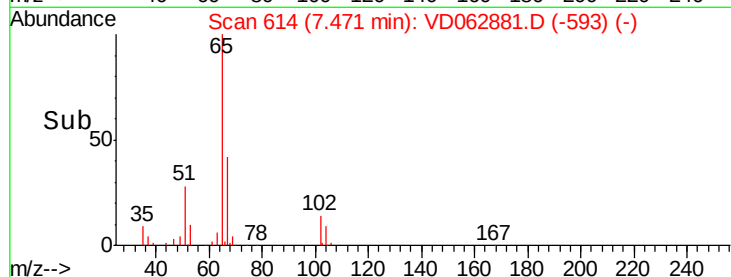
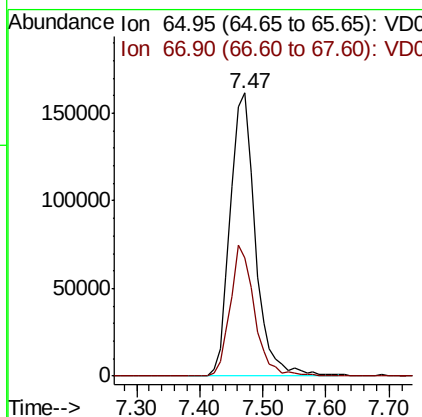
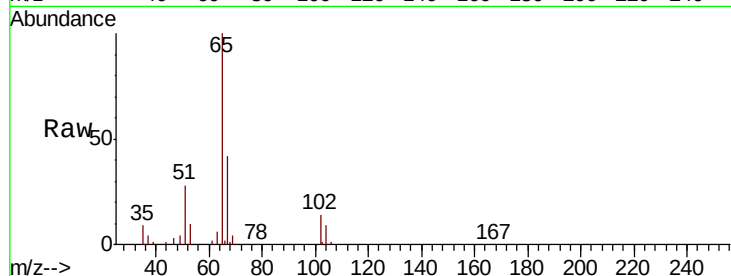




#33
 1,2-Dichloroethane-d4
 Concen: 49.293 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062881.D
 Acq: 25 Jun 2019 16:09

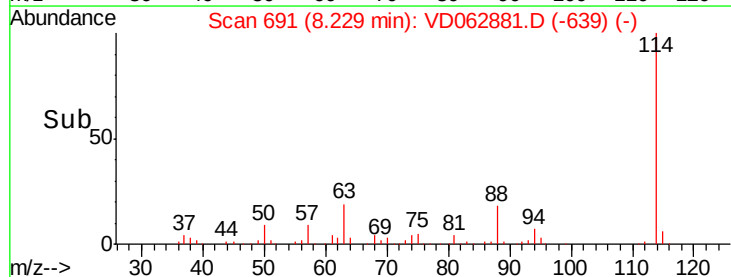
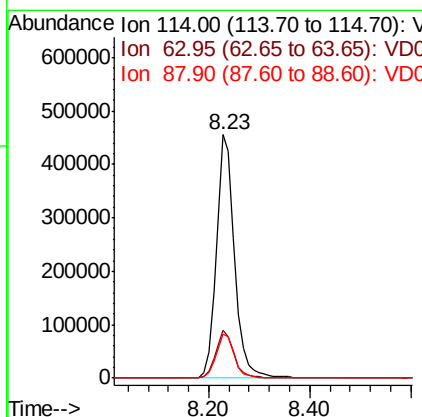
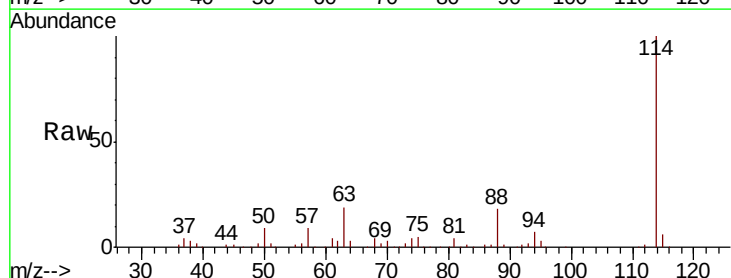
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

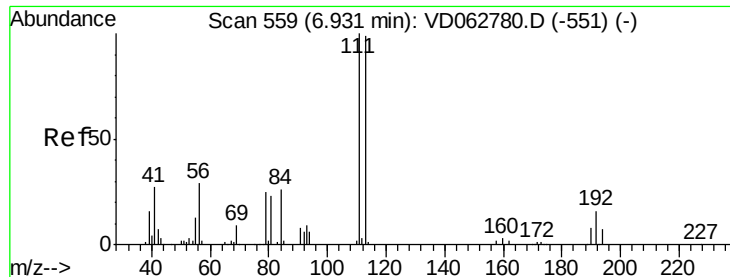
Tot Ion: 65 Resp: 446097
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062881.D
 Acq: 25 Jun 2019 16:09

Tgt Ion: 114 Resp: 1155965
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 17.9 0.0 38.8





#35

Dibromofluoromethane

Concen: 49.300 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

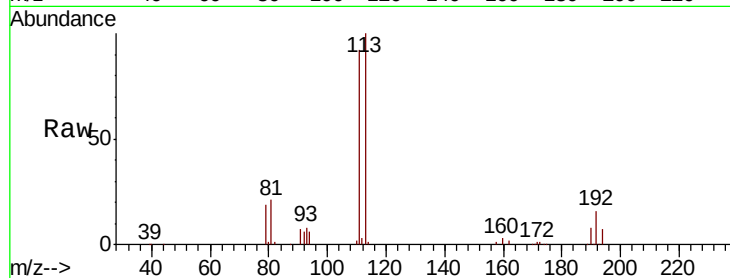
Tot Ion:113 Resp: 480534

Ion Ratio Lower Upper

113 100

111 92.3 81.2 121.8

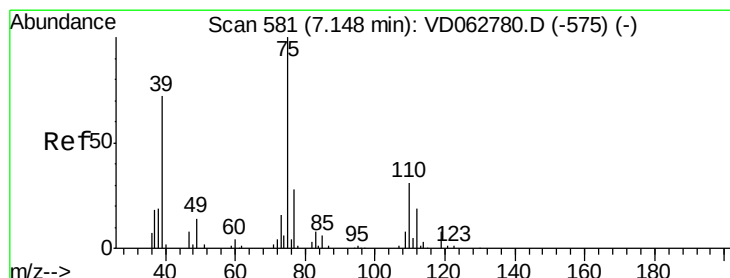
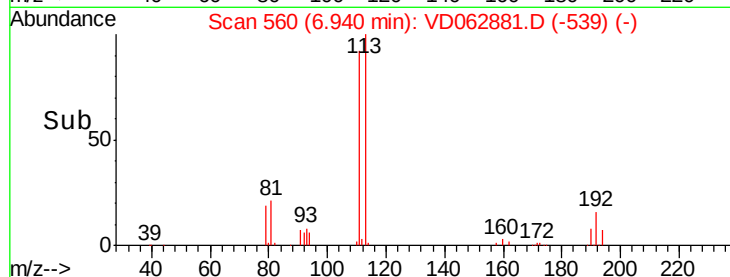
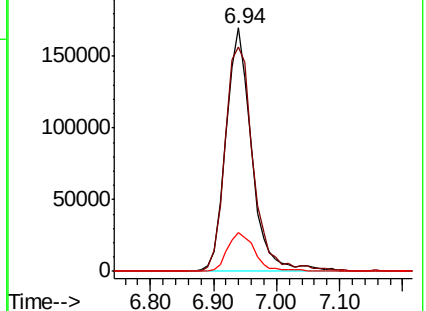
192 15.8 12.9 19.3



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: 6.199 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

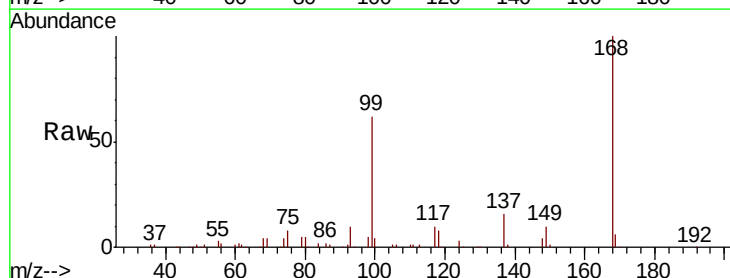
Tgt Ion: 75 Resp: 67837

Ion Ratio Lower Upper

75 100

110 7.7 15.0 45.1#

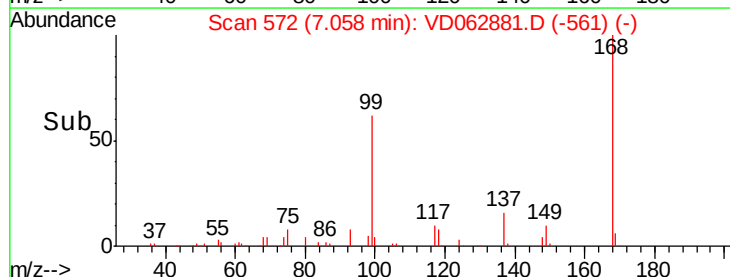
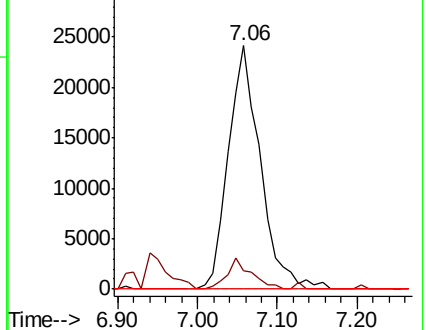
77 0.0 22.2 33.2#

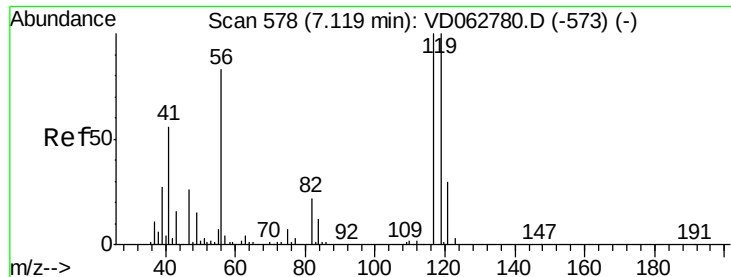


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.110 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

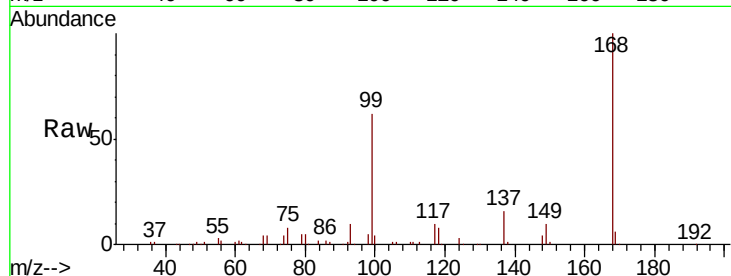
Tot Ion:117 Resp: 84097

Ion Ratio Lower Upper

117 100

119 2.9 75.4 113.2#

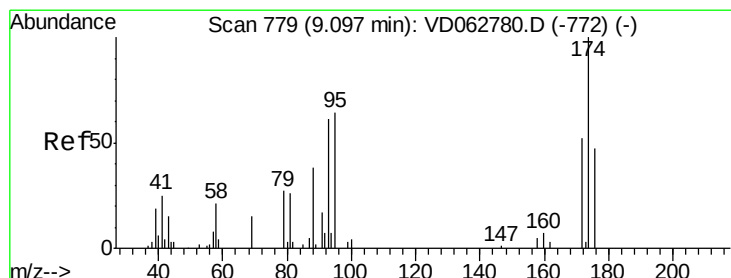
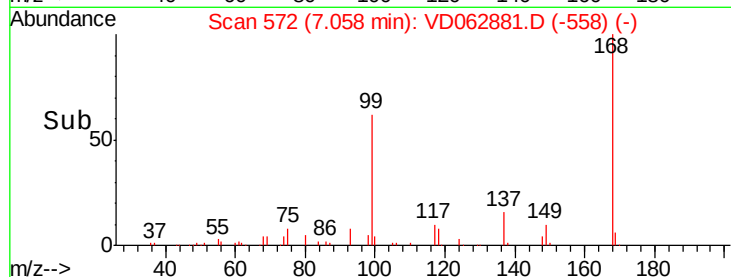
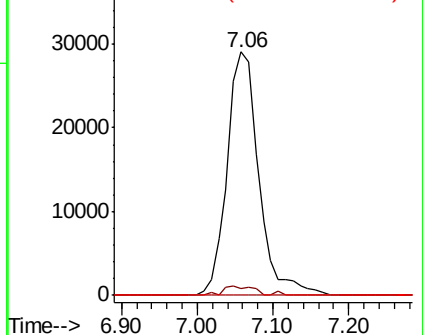
121 0.0 22.3 33.5#



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



#49

1,4-Dioxane

Concen: 6.103 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

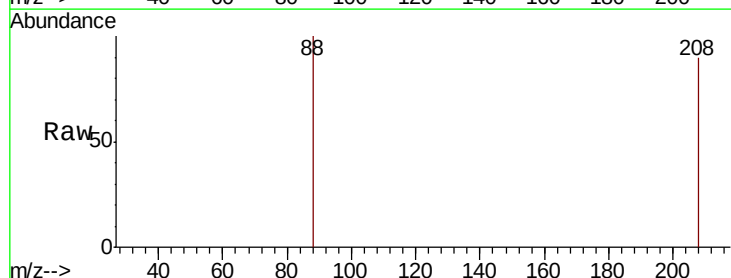
Tgt Ion: 88 Resp: 207

Ion Ratio Lower Upper

88 100

43 0.0 32.1 48.1#

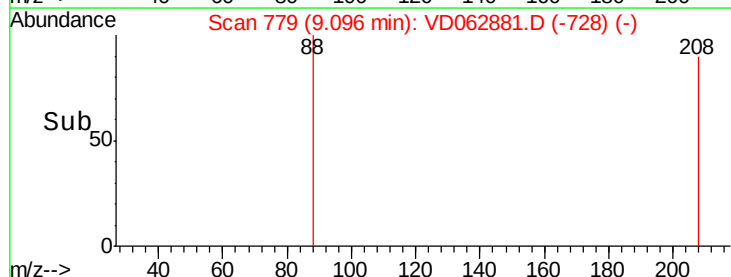
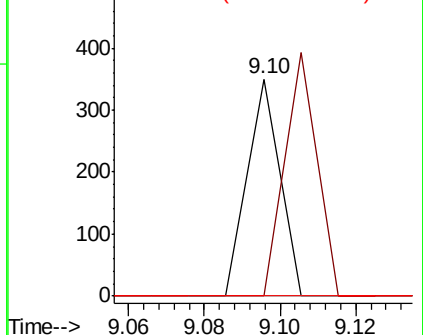
58 0.0 44.1 66.1#

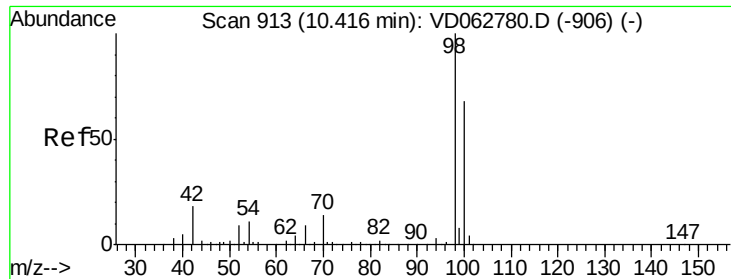


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

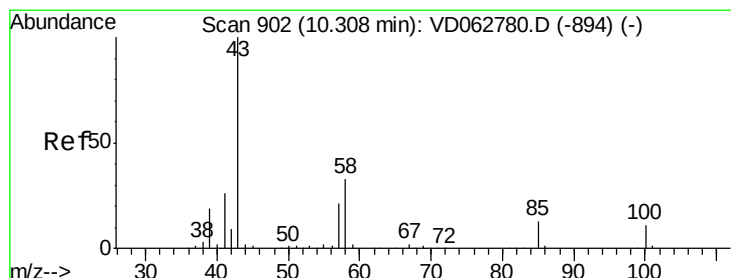
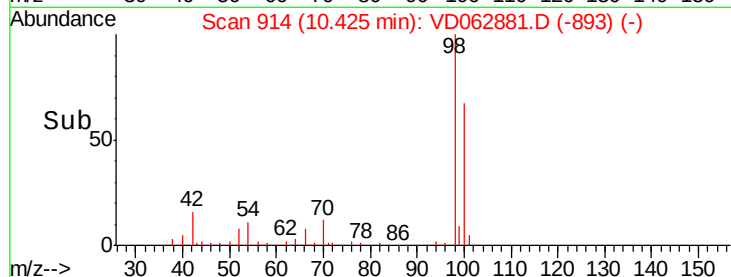
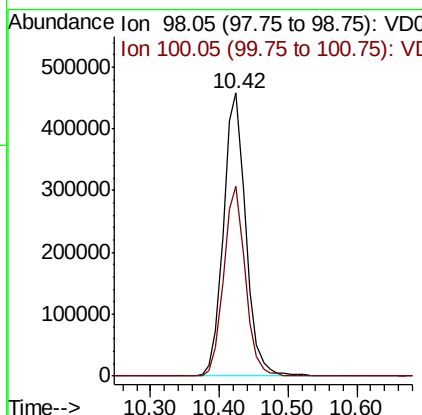
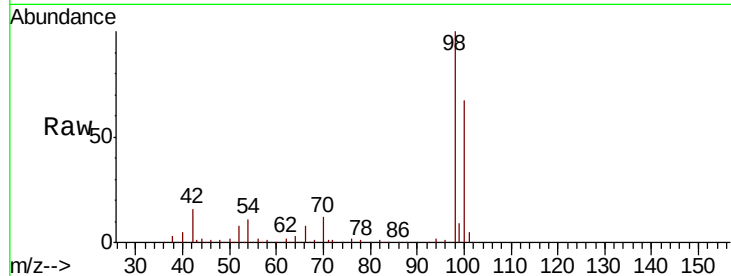




#50
Toluene-d8
Concen: 48.285 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062881.D
Acq: 25 Jun 2019 16:09

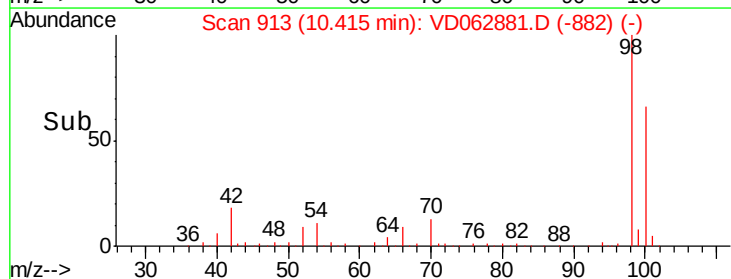
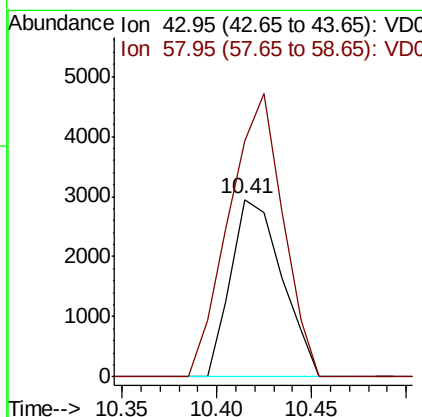
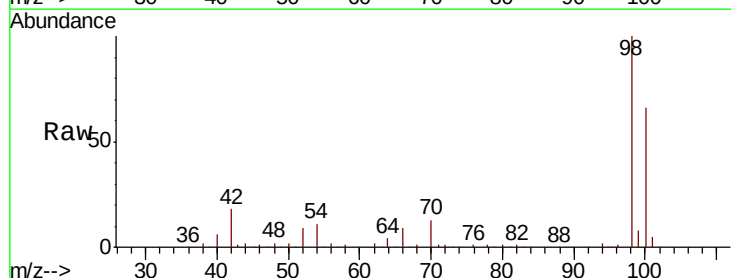
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

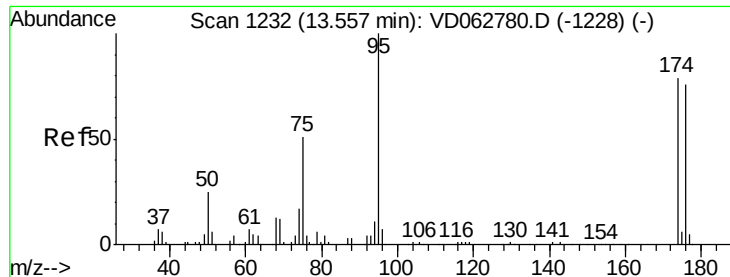
Tot Ion: 98 Resp: 1024313
Ion Ratio Lower Upper
98 100
100 67.0 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.360 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062881.D
Acq: 25 Jun 2019 16:09

Tgt Ion: 43 Resp: 5532
Ion Ratio Lower Upper
43 100
58 132.6 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 45.878 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

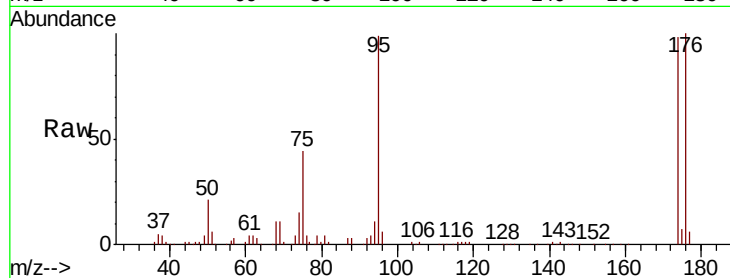
Tot Ion: 95 Resp: 442552

Ion Ratio Lower Upper

95 100

174 99.2 0.0 158.0

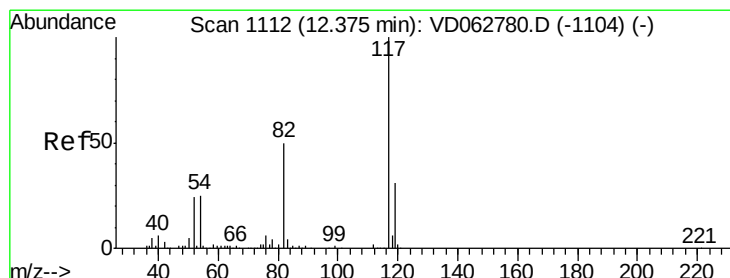
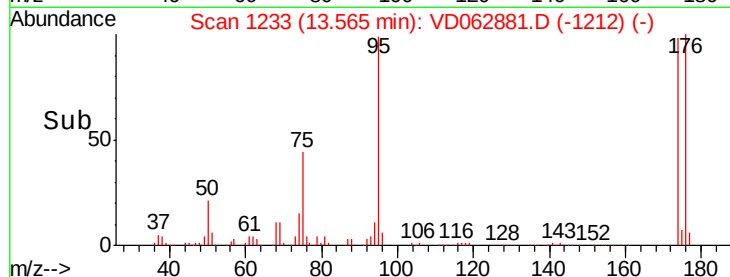
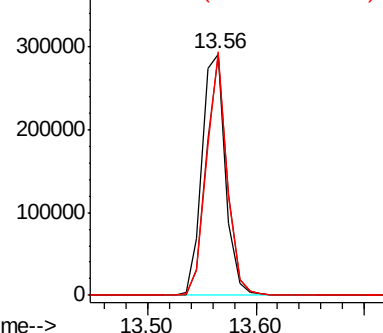
176 101.0 0.0 151.6



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. -0.00 min

Lab File: VD062881.D

Acq: 25 Jun 2019 16:09

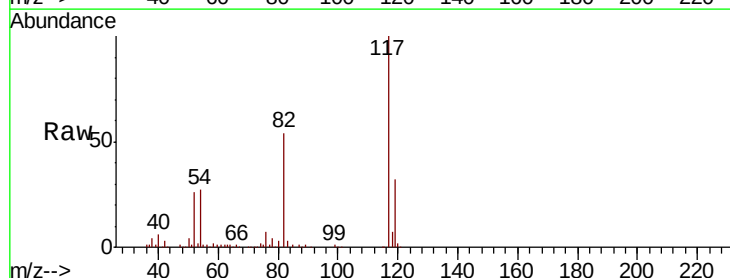
Tgt Ion: 117 Resp: 972450

Ion Ratio Lower Upper

117 100

82 54.4 40.4 60.6

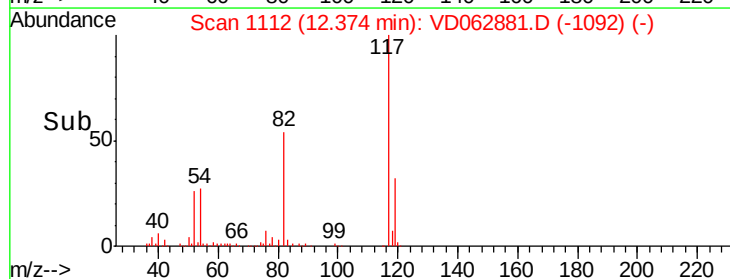
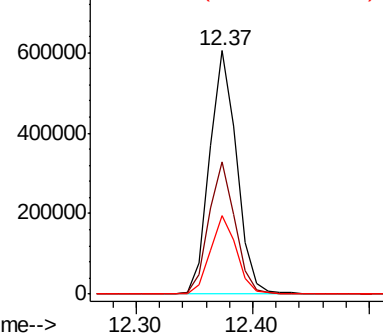
119 32.4 25.2 37.8

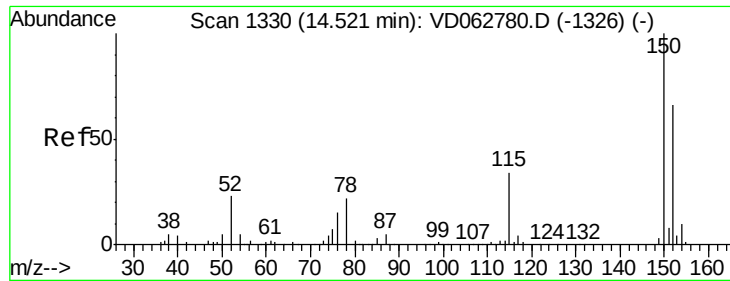


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

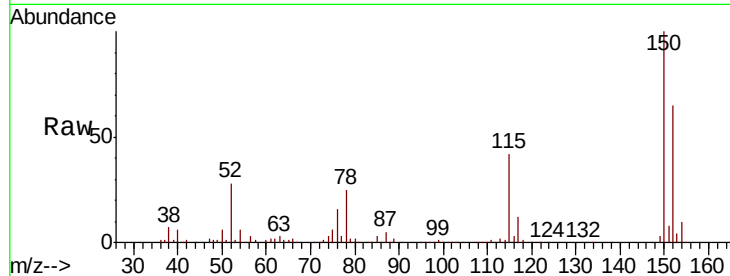




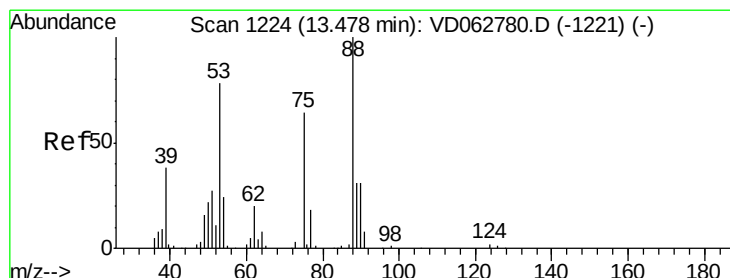
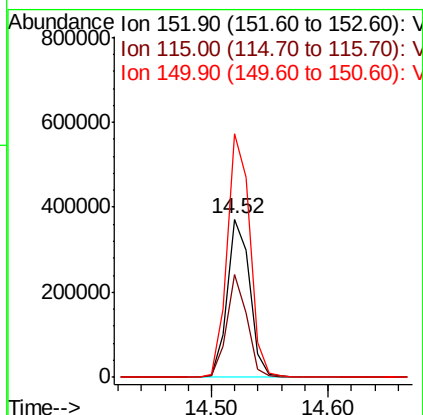
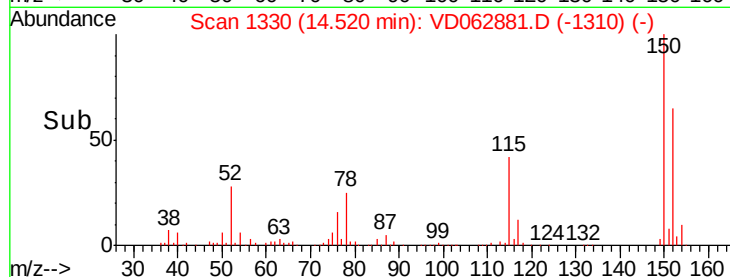
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD062881.D
 Acq: 25 Jun 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.8	29.2	87.6
150	153.9	0.0	305.8

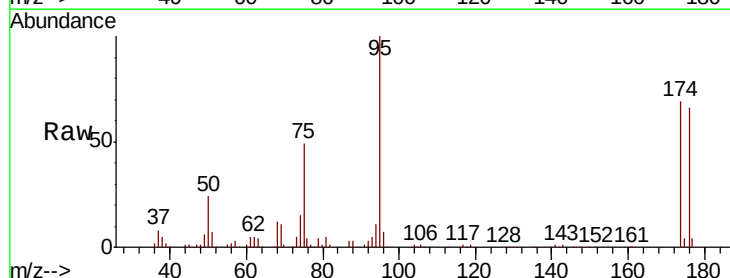


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.956 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062881.D
 Acq: 25 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#



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

