

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062862.D
 Acq On : 25 Jun 2019 3:54
 Operator : VA/AP
 Sample : K3511-03
 Misc : 5.59g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

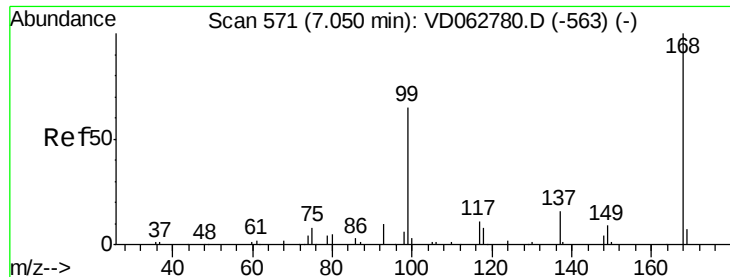
Quant Time: Jun 25 05:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	606957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	877465	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	728651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	381893	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	403717	61.19	ug/l	0.00
Spiked Amount			Recovery	=	122.38%	
35) Dibromofluoromethane	6.92	113	470435	63.58	ug/l	0.00
Spiked Amount			Recovery	=	127.16%	
50) Toluene-d8	10.41	98	900711	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
62) 4-Bromofluorobenzene	13.56	95	415556	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.10	59	453	1.508	ug/l #	77
13) Acrolein	2.97	56	413	1.346	ug/l #	15
16) Acetone	3.21	43	48053	29.753	ug/l #	91
20) Methylene Chloride	3.81	84	25079	4.984	ug/l #	91
31) Cyclohexane	7.03	56	11698	1.888	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	44519	5.360	ug/l #	46
37) Ethyl Acetate	6.16	43	3424	Below Cal	#	50
38) Carbon Tetrachloride	7.04	117	59865	4.792	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.87	63	2914	1.379	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.56	75	192875	166.927	ug/l #	2

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062862.D

Acq: 25 Jun 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

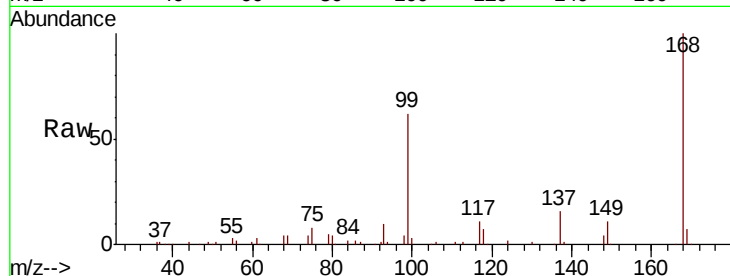
COMP-2

Tot Ion:168 Resp: 606957

Ion Ratio Lower Upper

168 100

99 61.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

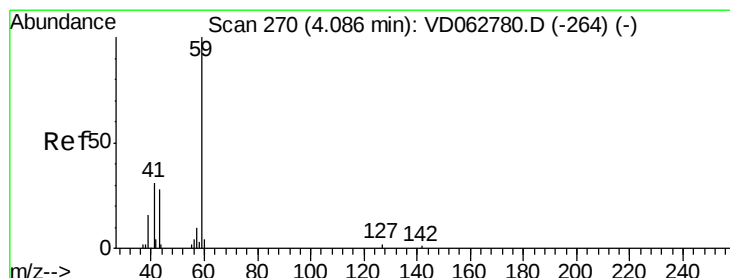
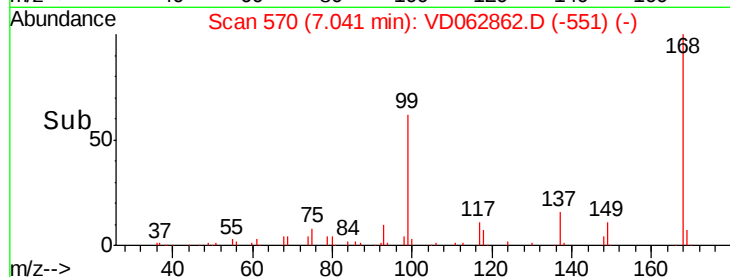
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.508 ug/l

RT: 4.10 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD062862.D

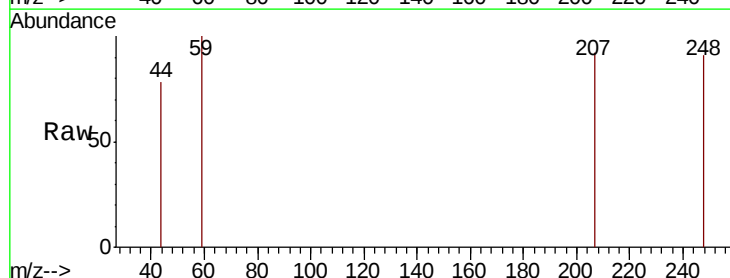
Acq: 25 Jun 2019 3:54

Tgt Ion: 59 Resp: 453

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

500

400

300

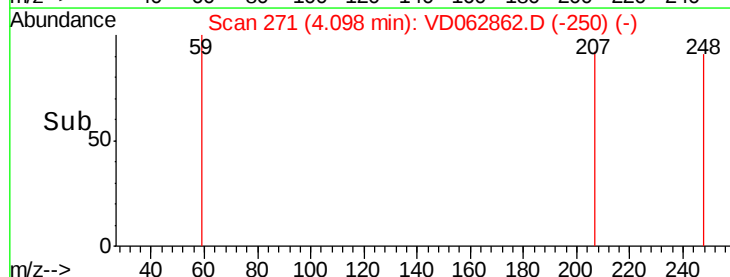
200

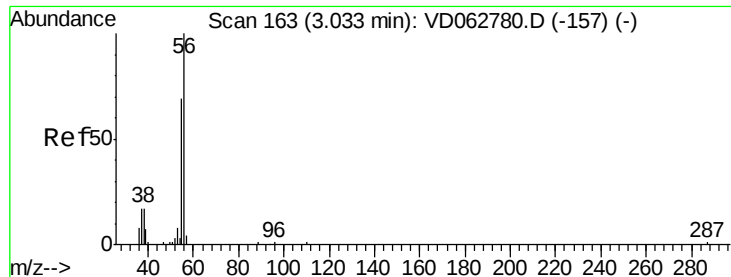
100

0

Time-->

4.06 4.08 4.10 4.12





#13

Acrolein

Concen: 1.346 ug/l

RT: 2.97 min Scan# 156

Delta R.T. -0.07 min

Lab File: VD062862.D

Acq: 25 Jun 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

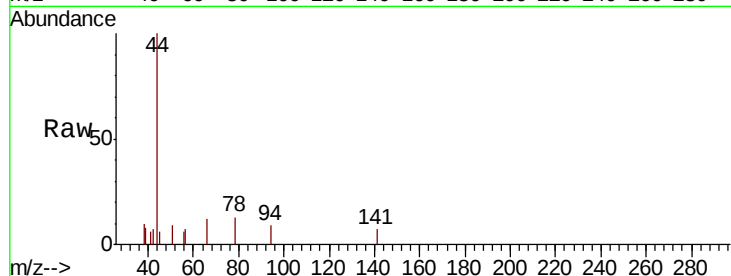
COMP-2

Tot Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

600

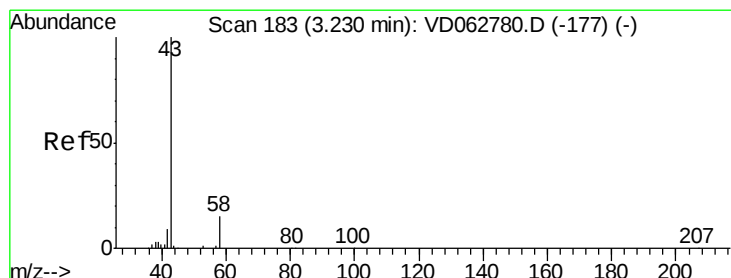
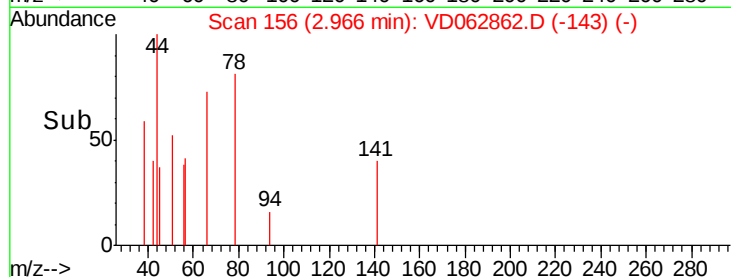
400

200

0

2.96 2.97 2.98

Time-->



#16

Acetone

Concen: 29.753 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062862.D

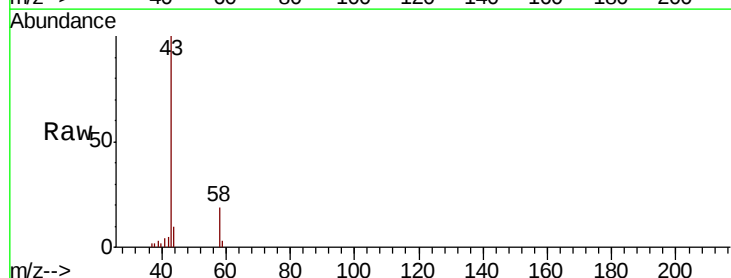
Acq: 25 Jun 2019 3:54

Tgt Ion: 43 Resp: 48053

Ion Ratio Lower Upper

43 100

58 18.8 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

20000

15000

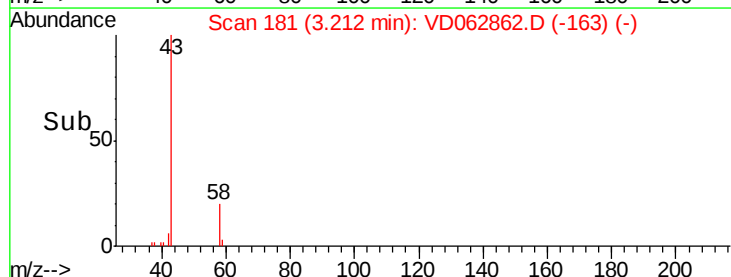
10000

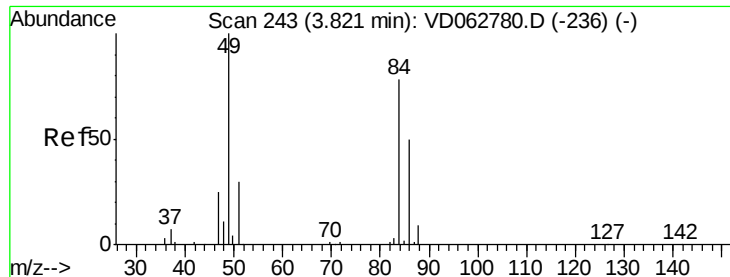
5000

0

3.10 3.20 3.30 3.40

Time-->

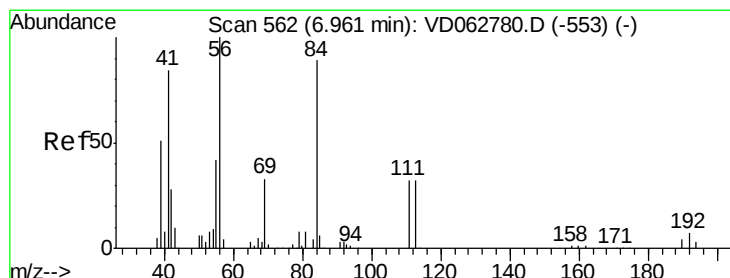
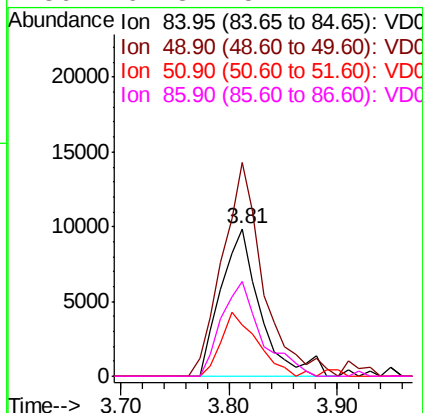
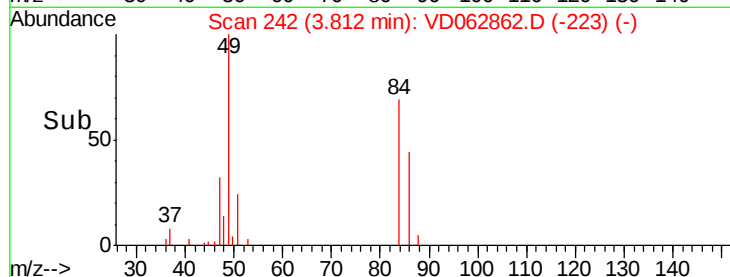
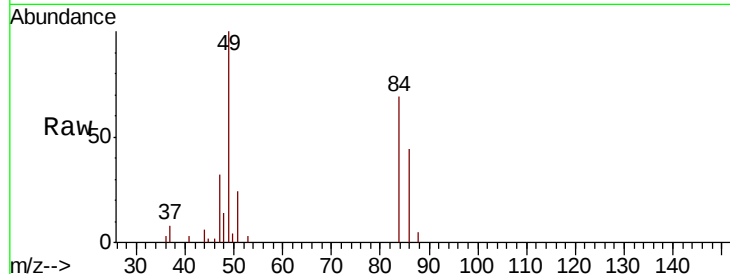




#20
Methvlene Chloride
Concen: 4.984 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062862.D
Acq: 25 Jun 2019 3:54

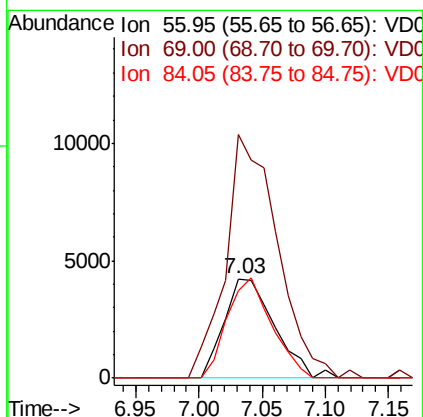
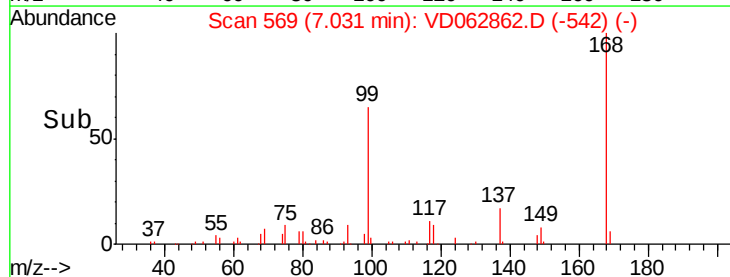
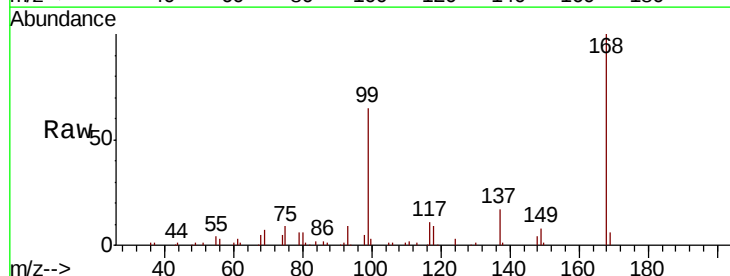
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

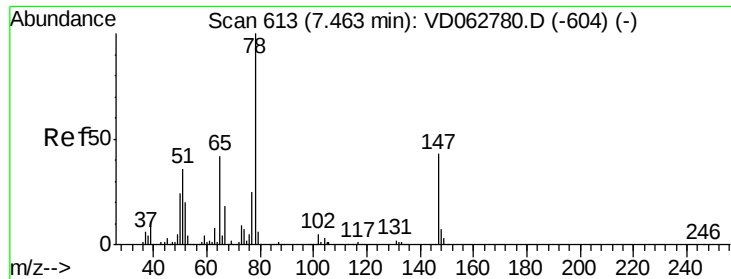
Tot Ion: 84 Resp: 25079
Ion Ratio Lower Upper
84 100
49 145.1 102.9 154.3
51 35.1 31.2 46.8
86 64.3 51.4 77.2



#31
Cyclohexane
Concen: 1.888 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD062862.D
Acq: 25 Jun 2019 3:54

Tgt Ion: 56 Resp: 11698
Ion Ratio Lower Upper
56 100
69 245.8 26.6 39.8#
84 88.4 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 61.192 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062862.D

Acq: 25 Jun 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

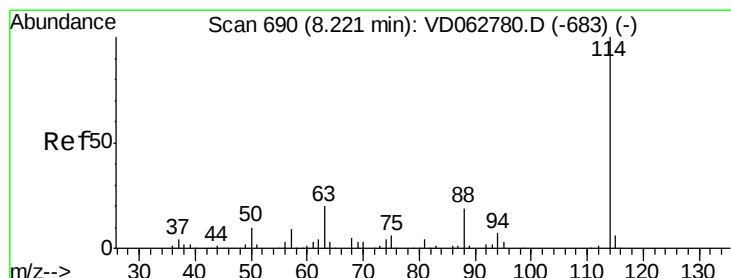
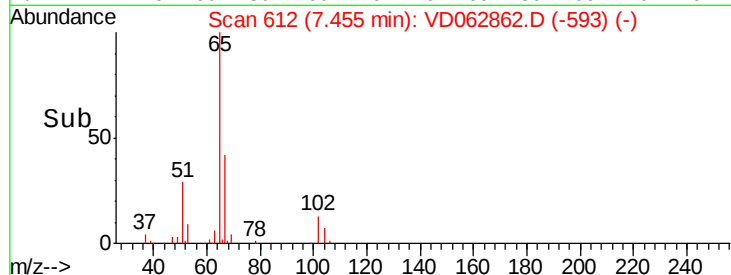
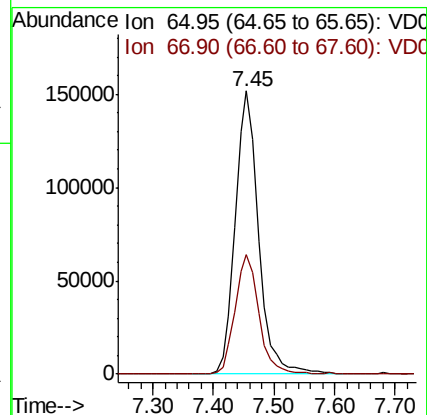
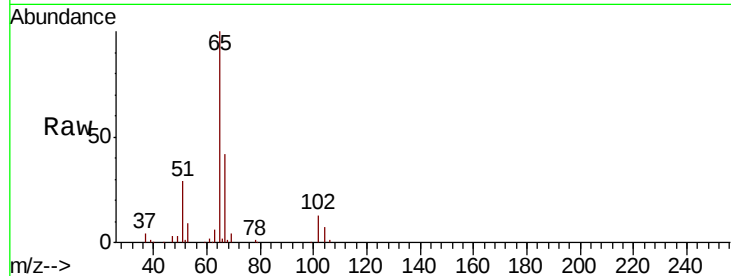
COMP-2

Tot Ion: 65 Resp: 403717

Ion Ratio Lower Upper

65 100

67 42.0 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062862.D

Acq: 25 Jun 2019 3:54

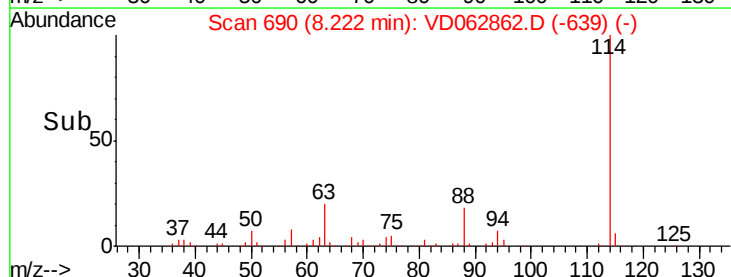
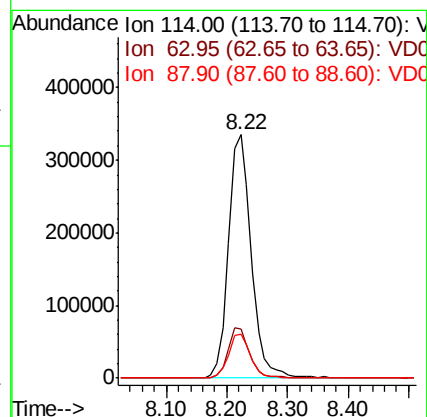
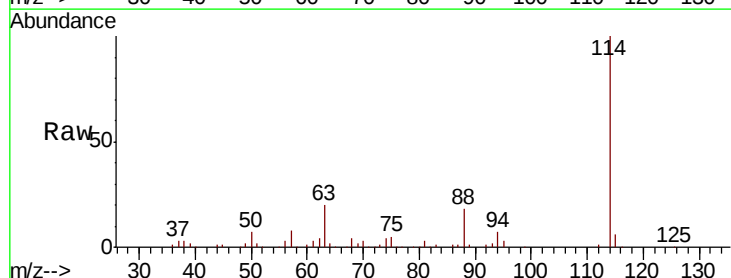
Tgt Ion: 114 Resp: 877465

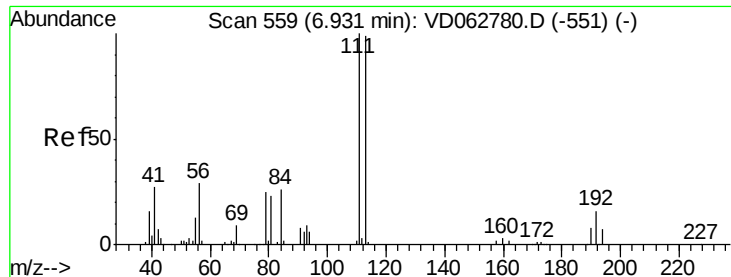
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 18.1 0.0 38.8

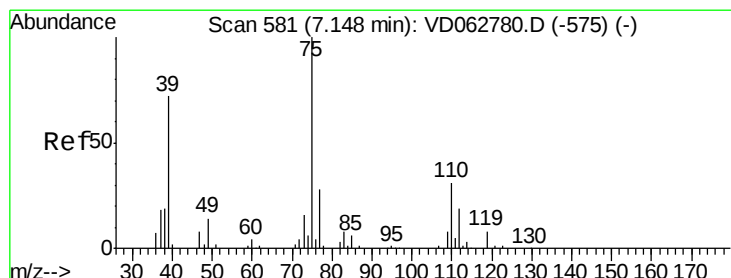
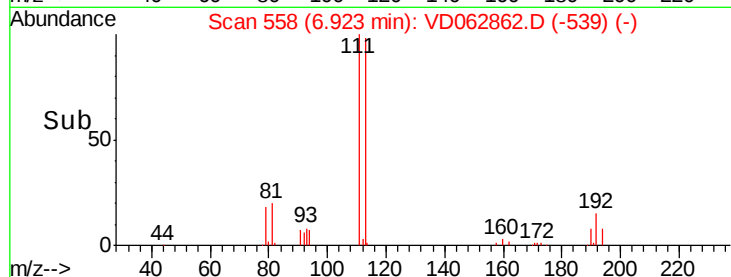
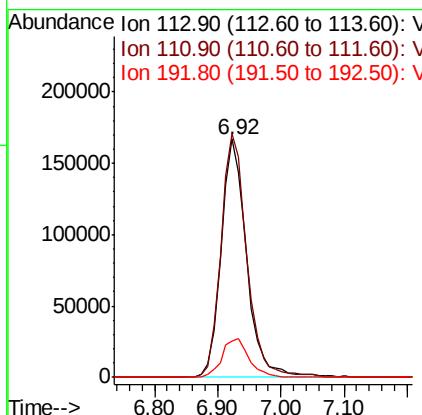
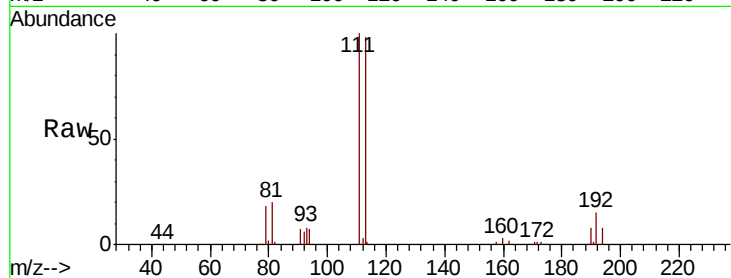




#35
 Dibromofluoromethane
 Concen: 63.583 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062862.D
 Acq: 25 Jun 2019 3:54

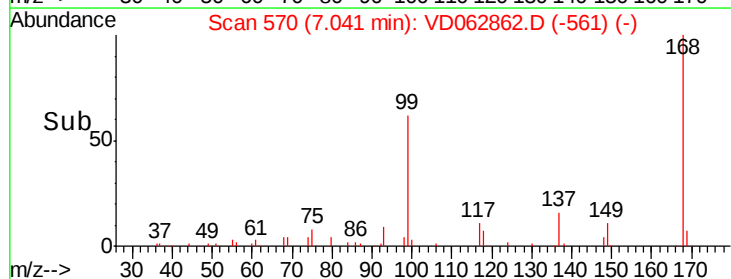
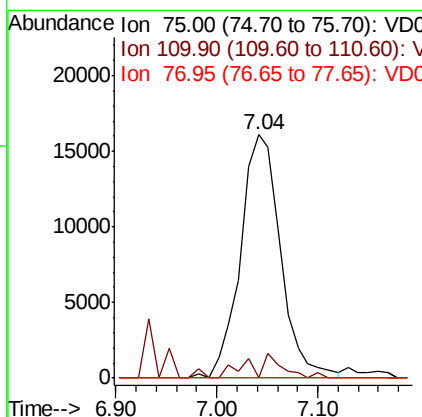
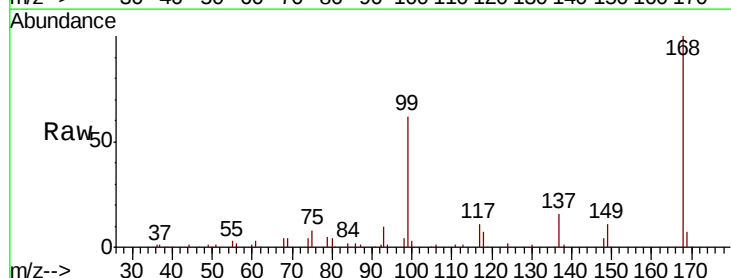
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

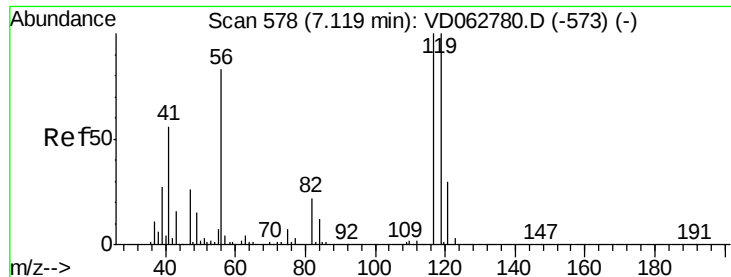
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	15.5	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 5.360 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062862.D
 Acq: 25 Jun 2019 3:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	15.0	45.1#
77	0.0	22.2	33.2#

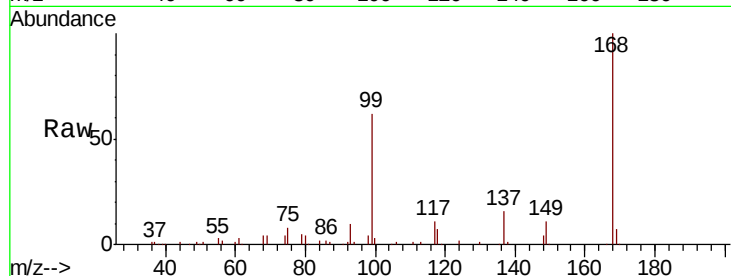




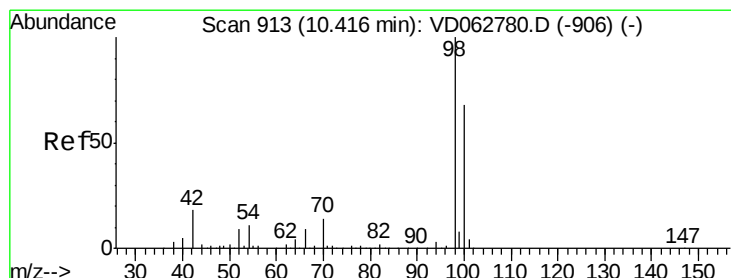
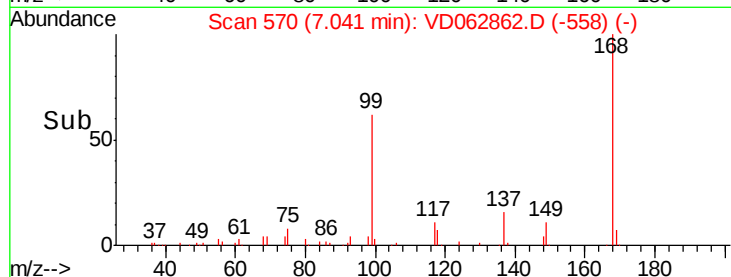
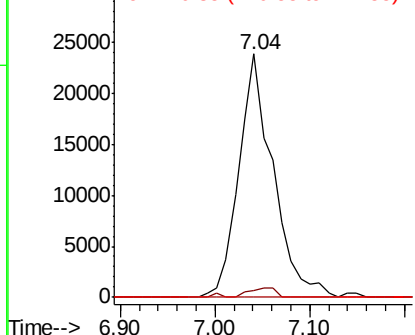
#38
Carbon Tetrachloride
Concen: 4.792 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD062862.D
Acq: 25 Jun 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

Tot Ion:117 Resp: 59865
Ion Ratio Lower Upper
117 100
119 2.6 75.4 113.2#
121 0.0 22.3 33.5#

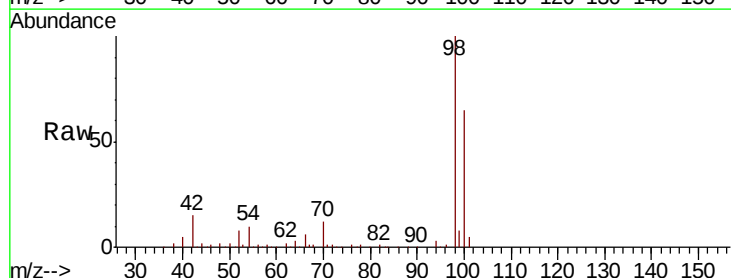


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

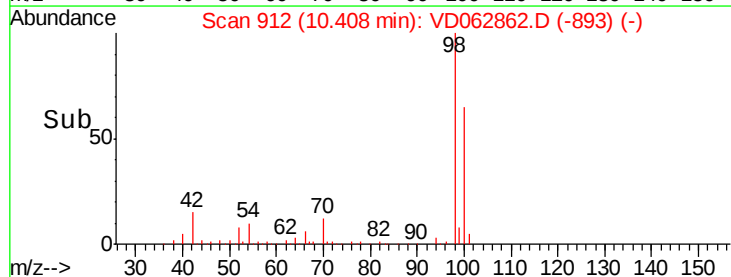
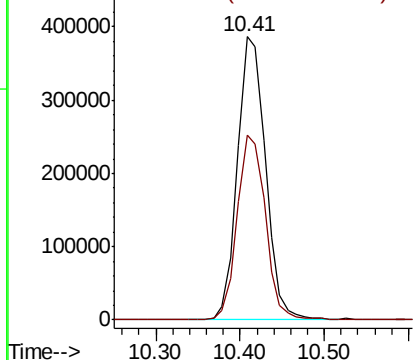


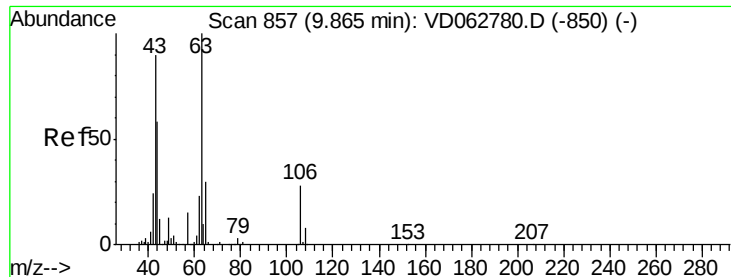
#50
Toluene-d8
Concen: 55.934 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062862.D
Acq: 25 Jun 2019 3:54

Tgt Ion: 98 Resp: 900711
Ion Ratio Lower Upper
98 100
100 65.1 54.7 82.1



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

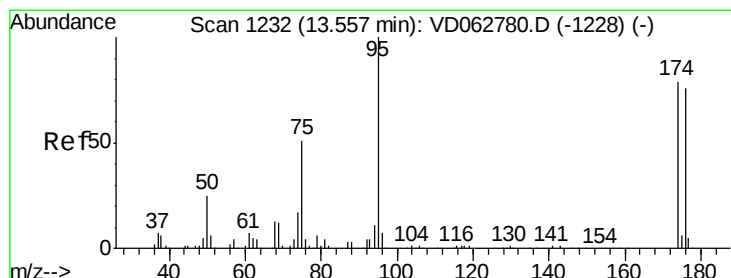
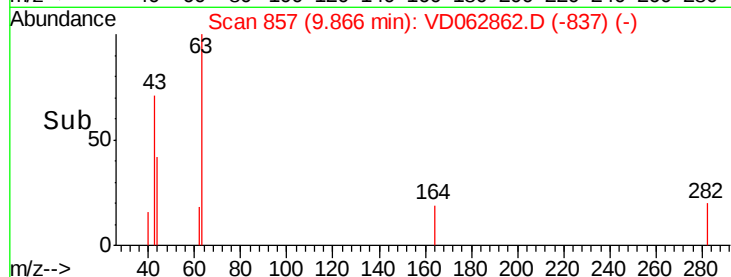
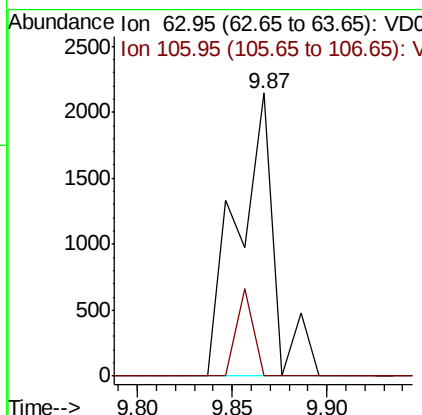
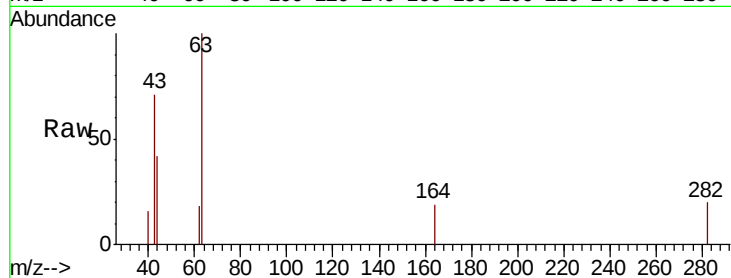




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.379 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD062862.D
 Acq: 25 Jun 2019 3:54

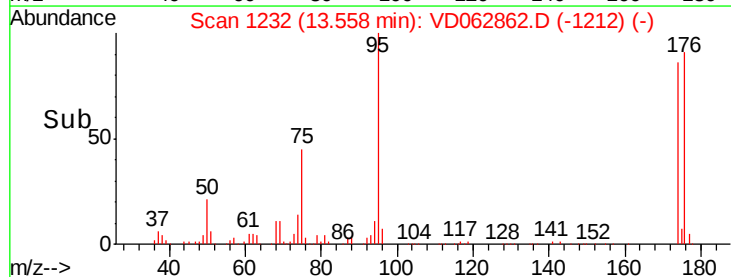
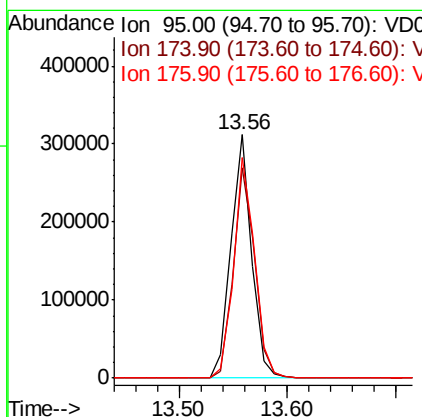
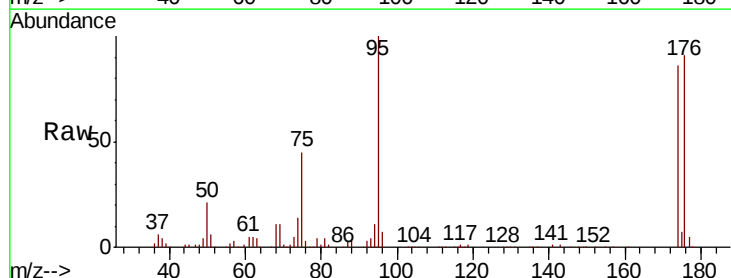
Instrument :
 MSVOA_D
 ClientSampleID :
 COMP-2

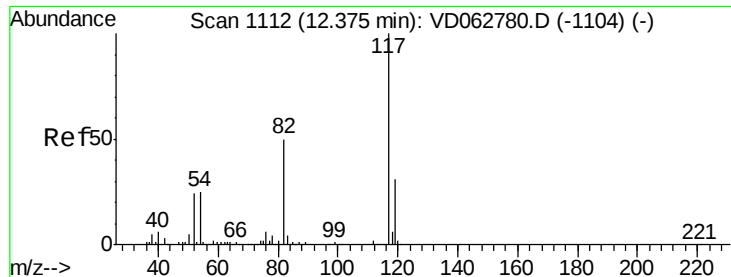
Tot Ion: 63 Resp: 2914
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.1 33.1#



#62
 4-Bromofluorobenzene
 Concen: 56.753 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062862.D
 Acq: 25 Jun 2019 3:54

Tgt Ion: 95 Resp: 415556
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 158.0
 176 90.6 0.0 151.6

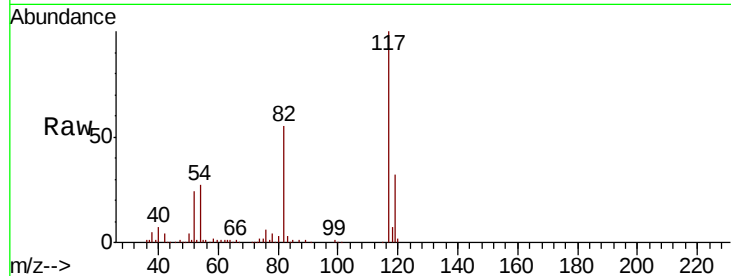




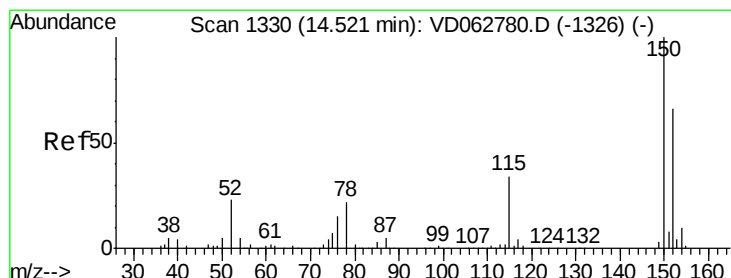
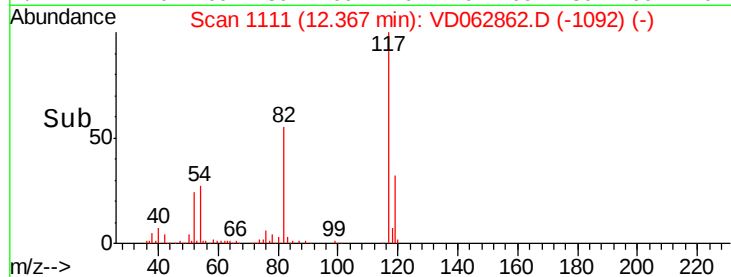
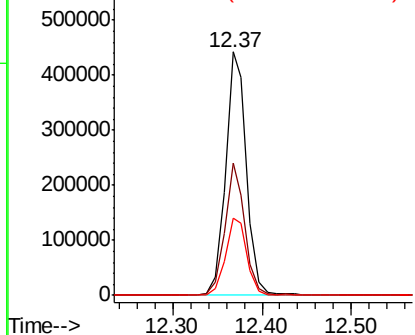
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062862.D
Acq: 25 Jun 2019 3:54

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

Tot Ion:117 Resp: 728651
Ion Ratio Lower Upper
117 100
82 54.6 40.4 60.6
119 31.6 25.2 37.8

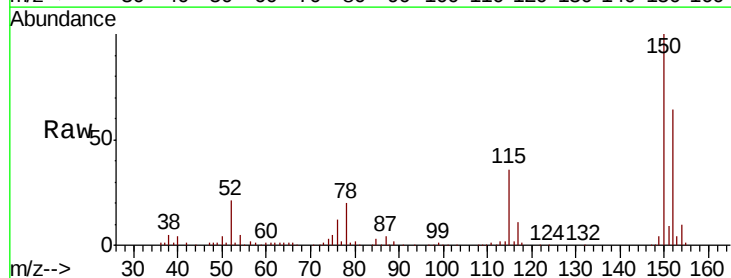


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

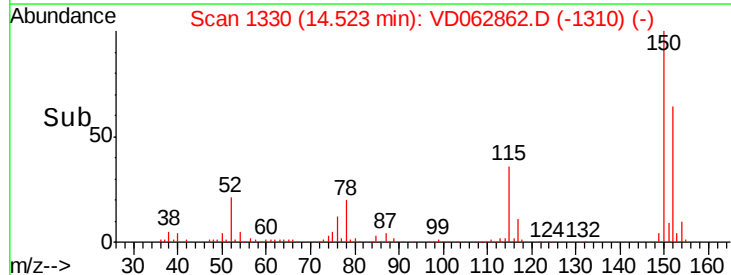
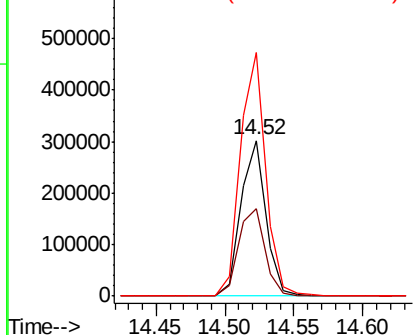


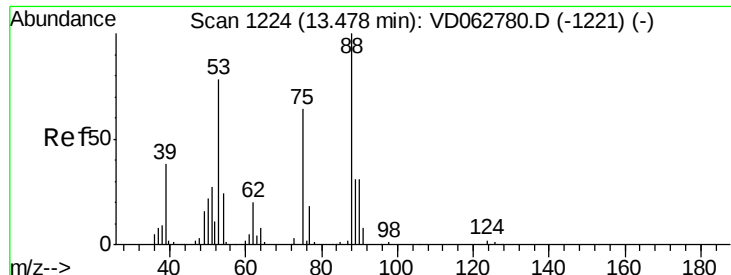
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062862.D
Acq: 25 Jun 2019 3:54

Tgt Ion:152 Resp: 381893
Ion Ratio Lower Upper
152 100
115 56.1 29.2 87.6
150 156.7 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: 166.927 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062862.D

Acq: 25 Jun 2019 3:54

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

Tot Ion: 75 Resp: 192875

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

