

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062913.D
 Acq On : 13 Aug 2020 16:03
 Operator : JC/MD
 Sample : L3667-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0215

Quant Time: Aug 14 05:08:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	126042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	217569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	220004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	109330	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
35) Dibromofluoromethane	7.55	113	77484	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.06	98	279591	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.38	95	103032	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

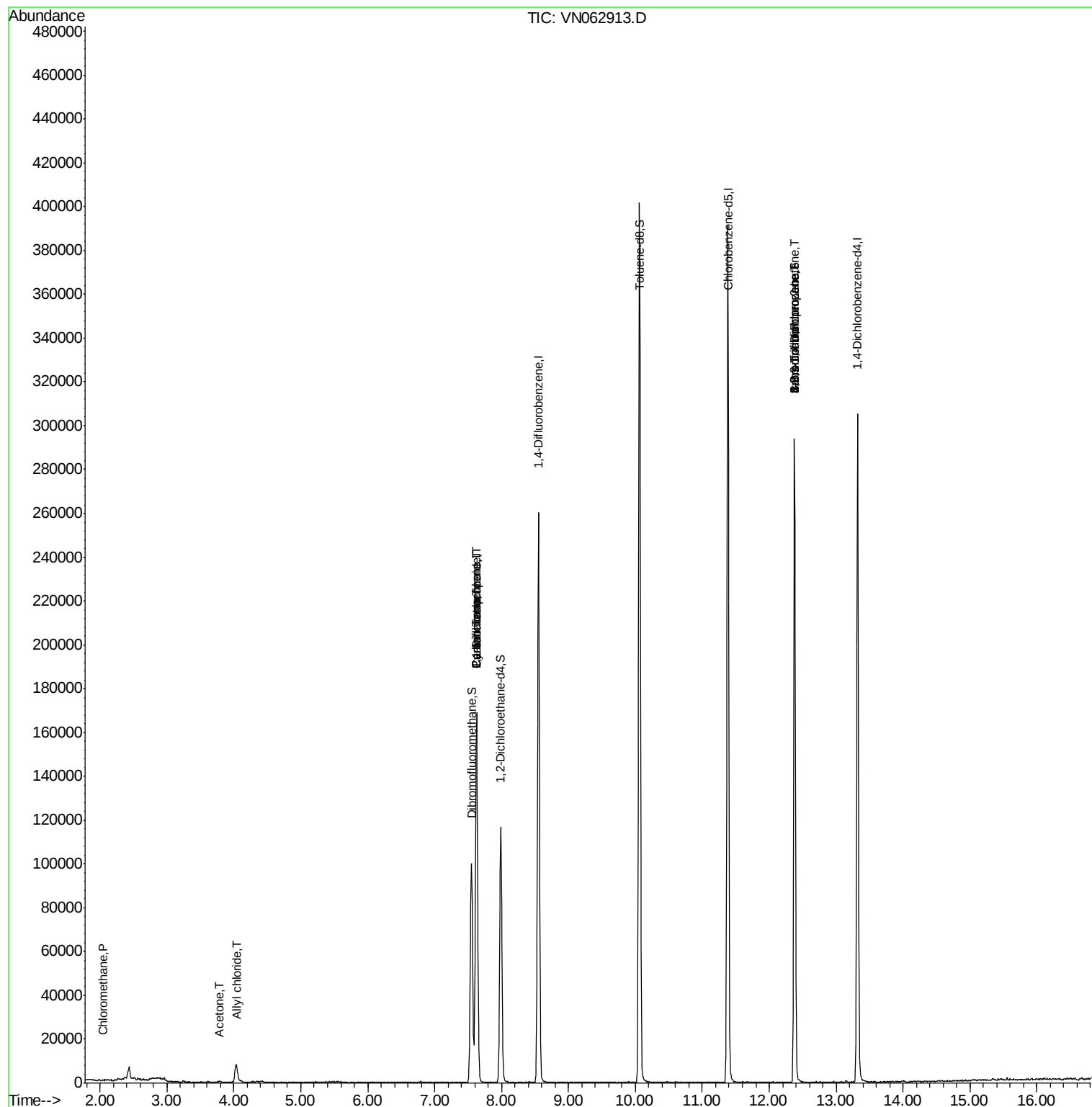
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	501	0.294	ug/l #	43
14) Allyl chloride	4.03	41	800	0.363	ug/l #	69
16) Acetone	3.78	43	738	0.980	ug/l #	45
17) Carbon Disulfide	4.02	76	92	Below Cal	#	74
18) Methyl Acetate	4.29	43	149	Below Cal	#	52
31) Cyclohexane	7.62	56	1755	0.694	ug/l #	34
36) 1,1-Dichloropropene	7.62	75	11042	5.212	ug/l #	52
38) Carbon Tetrachloride	7.63	117	14526	5.798	ug/l #	14
71) Bromoform	12.38	173	742	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	57060	25.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57060	79.231	ug/l #	10

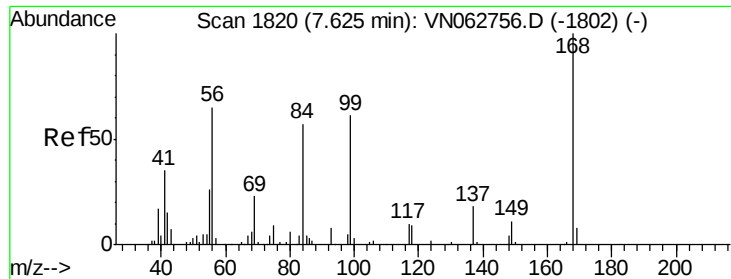
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081320\
Data File : VN062913.D
Acq On : 13 Aug 2020 16:03
Operator : JC/MD
Sample : L3667-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S39-0215

Quant Time: Aug 14 05:08:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062913.D

Acq: 13 Aug 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

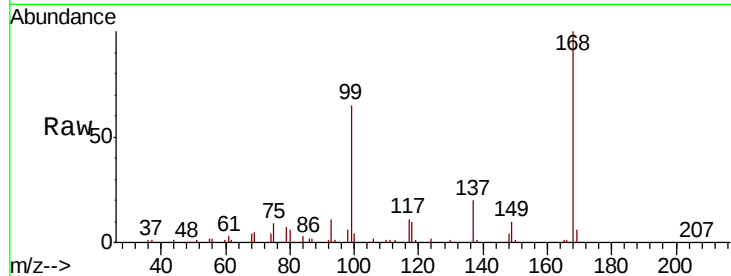
S39-0215

Tot Ion:168 Resp: 126042

Ion Ratio Lower Upper

168 100

99 64.8 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

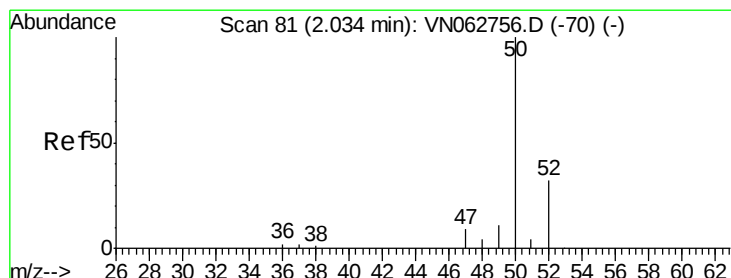
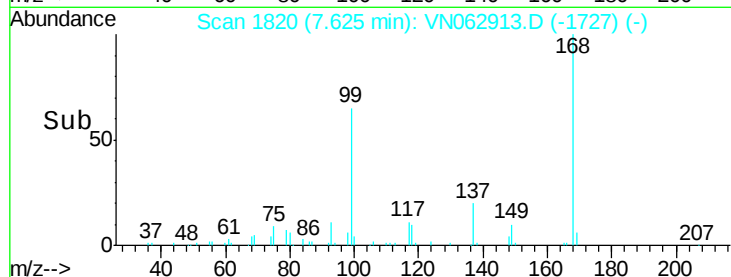
0

7.50

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.294 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062913.D

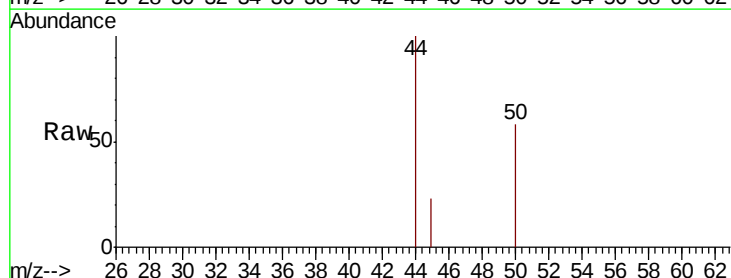
Acq: 13 Aug 2020 16:03

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

500

400

300

200

100

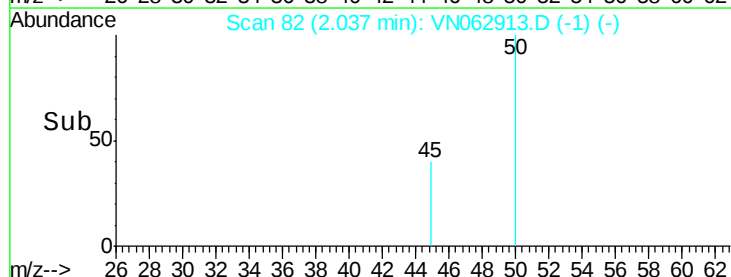
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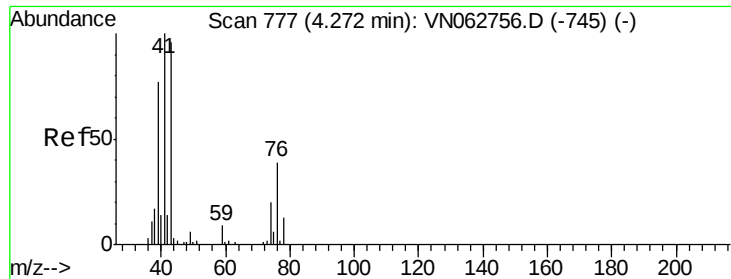
2.02

2.04

2.06

Time-->

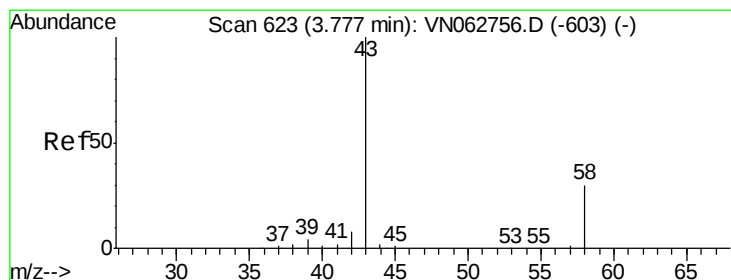
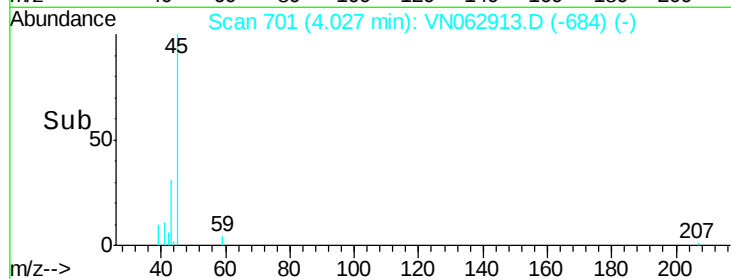
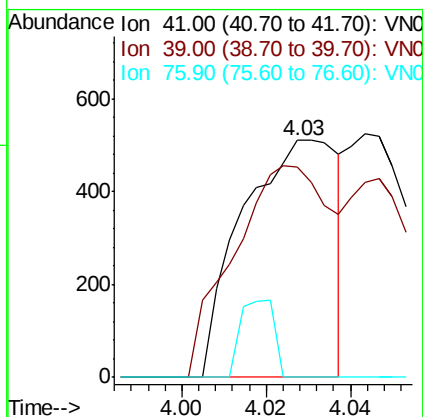
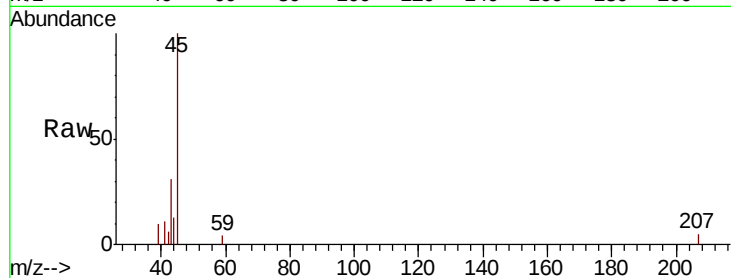




#14
Allvl chloride
Concen: 0.363 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.24 min
Lab File: VN062913.D
Acq: 13 Aug 2020 16:03

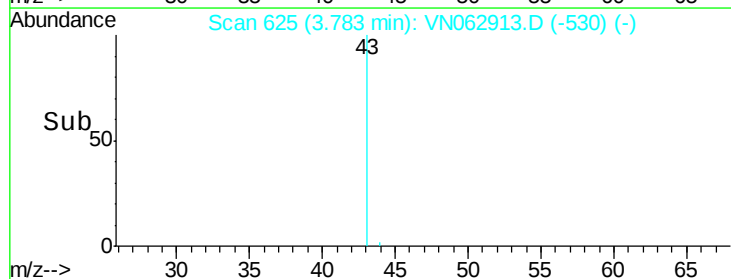
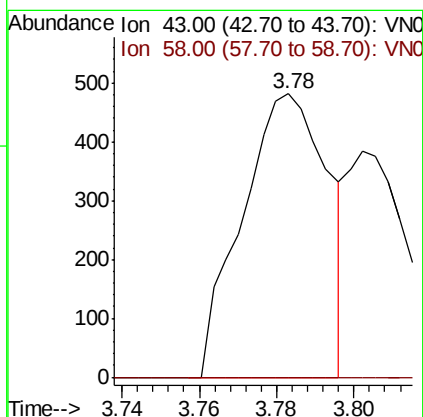
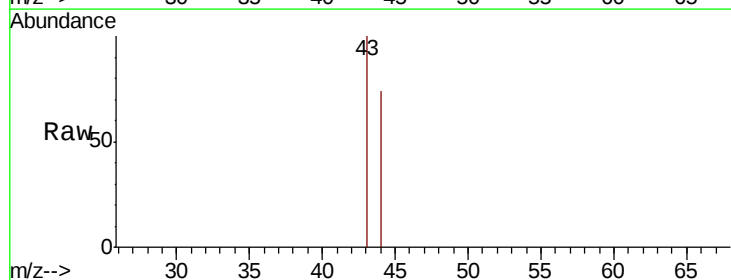
Instrument :
MSVOA_N
ClientSampleId :
S39-0215

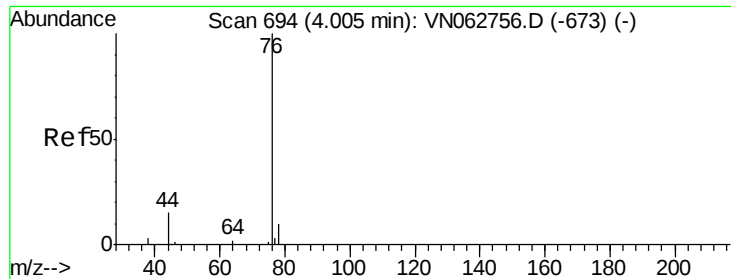
Tot Ion: 41 Resp: 800
Ion Ratio Lower Upper
41 100
39 91.0 55.7 83.5#
76 11.5 27.5 41.3#



#16
Acetone
Concen: 0.980 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062913.D
Acq: 13 Aug 2020 16:03

Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 699

Delta R.T. 0.02 min

Lab File: VN062913.D

Acq: 13 Aug 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

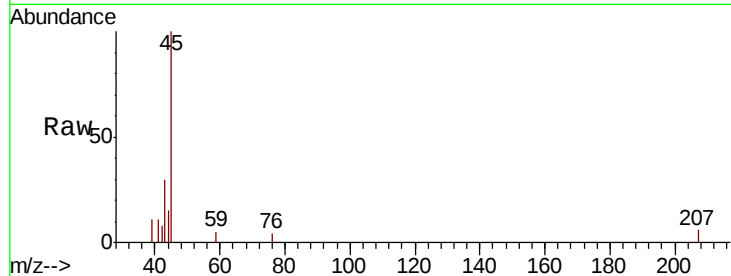
S39-0215

Tot Ion: 76 Resp: 92

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

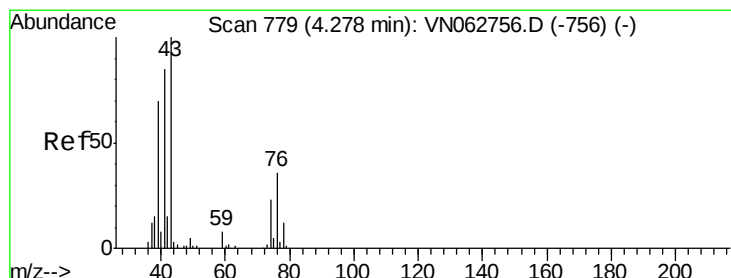
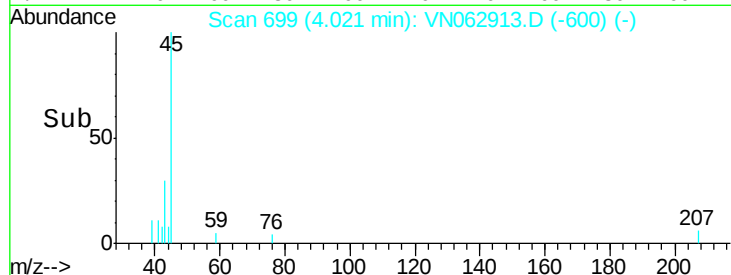
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 784

Delta R.T. 0.02 min

Lab File: VN062913.D

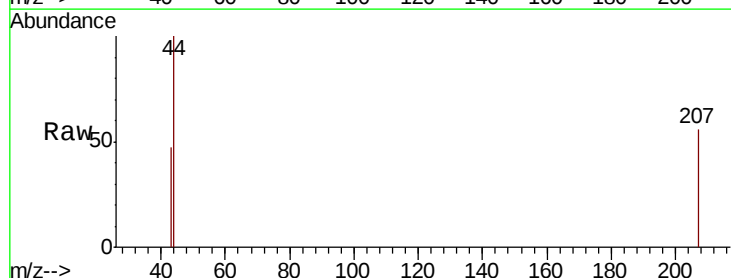
Acq: 13 Aug 2020 16:03

Tgt Ion: 43 Resp: 149

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

250

200

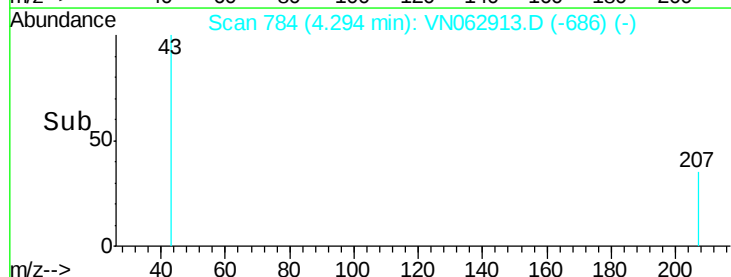
150

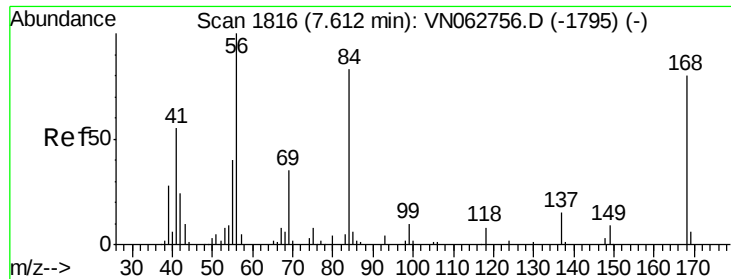
100

50

0

Time-->

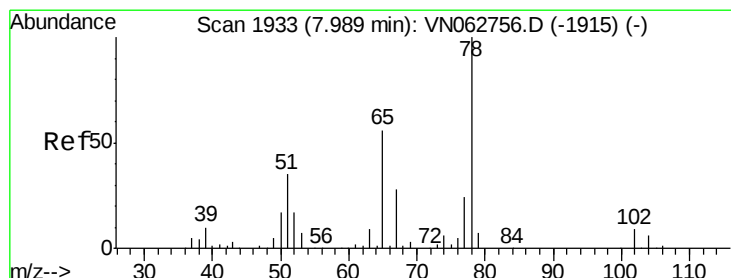
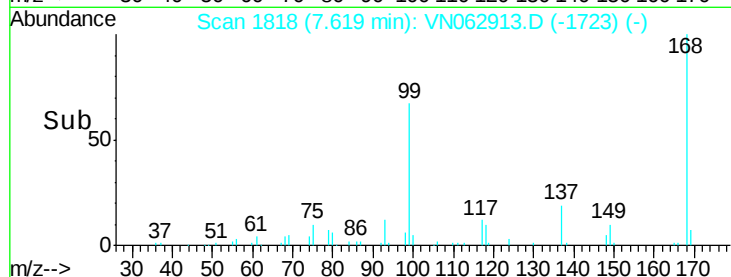
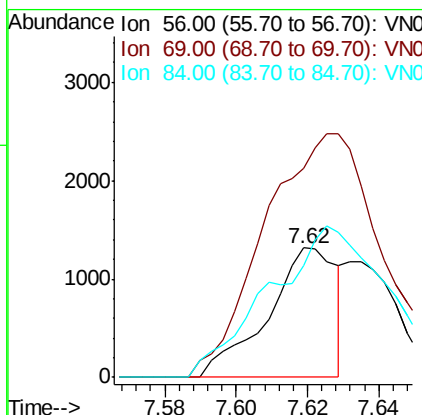
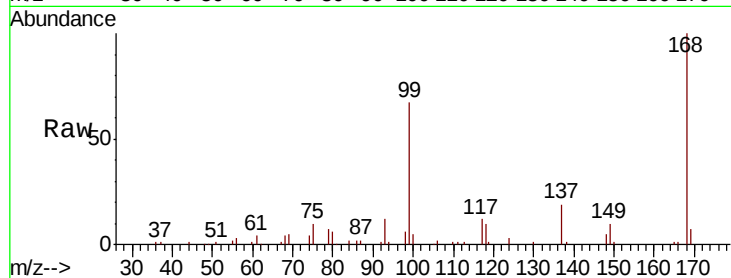




#31
Cyclohexane
Concen: 0.694 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062913.D
Acq: 13 Aug 2020 16:03

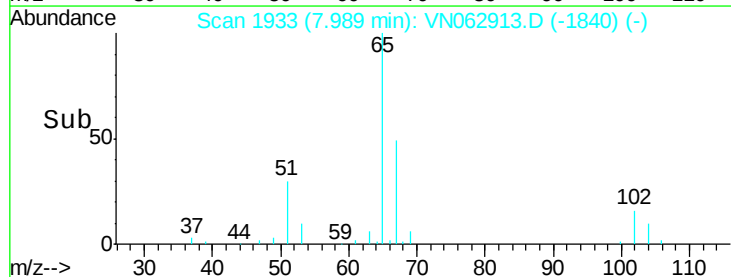
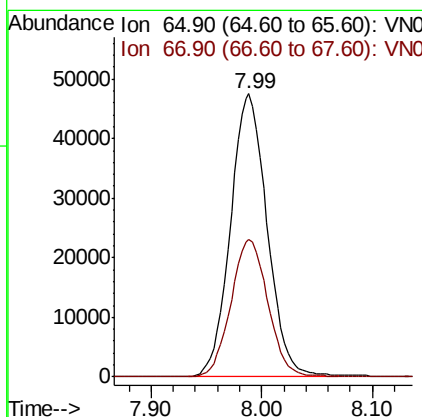
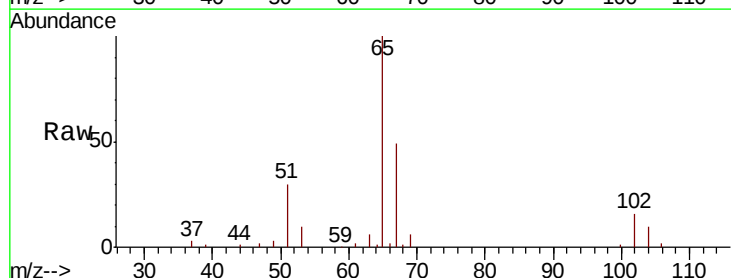
Instrument :
MSVOA_N
ClientSampled :
S39-0215

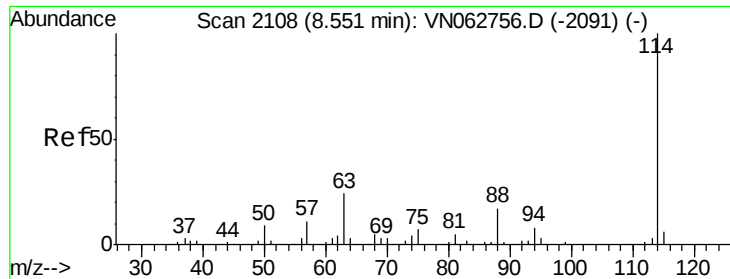
Tot Ion: 56 Resp: 1755
Ion Ratio Lower Upper
56 100
69 161.2 28.1 42.1#
84 86.2 66.8 100.2



#33
1,2-Dichloroethane-d4
Concen: 52.453 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062913.D
Acq: 13 Aug 2020 16:03

Tgt Ion: 65 Resp: 109330
Ion Ratio Lower Upper
65 100
67 49.0 0.0 101.4

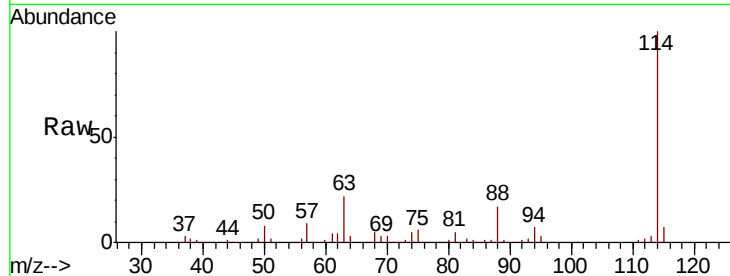




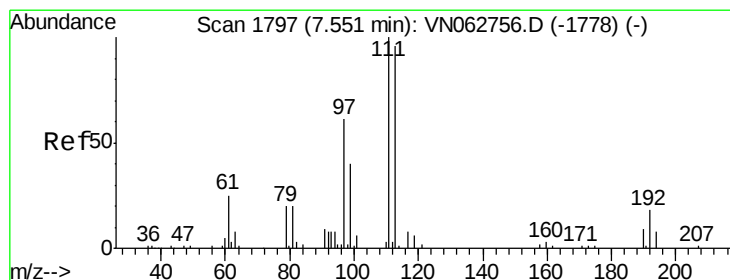
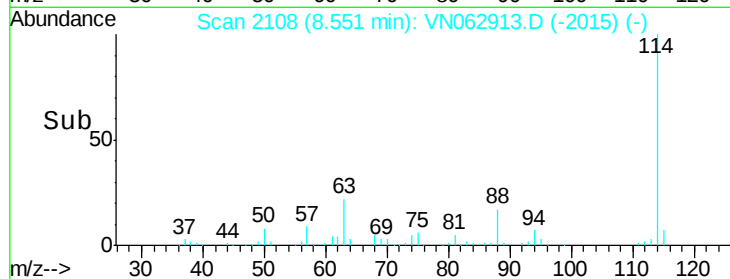
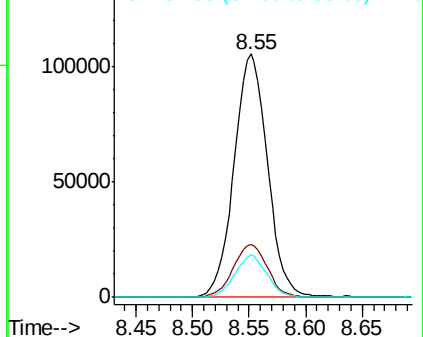
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062913.D
 Acq: 13 Aug 2020 16:03

Instrument :
 MSVOA_N
 ClientSampled :
 S39-0215

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	47.6
88	17.4	0.0	34.4

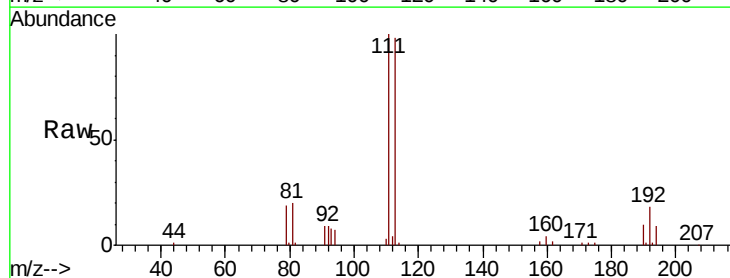


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

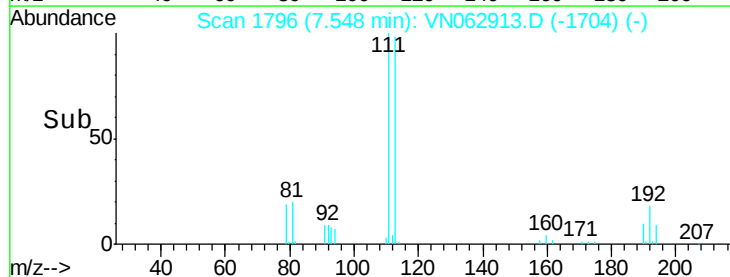
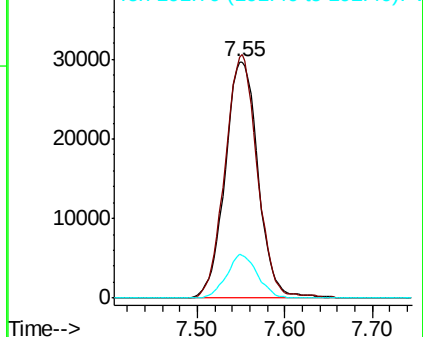


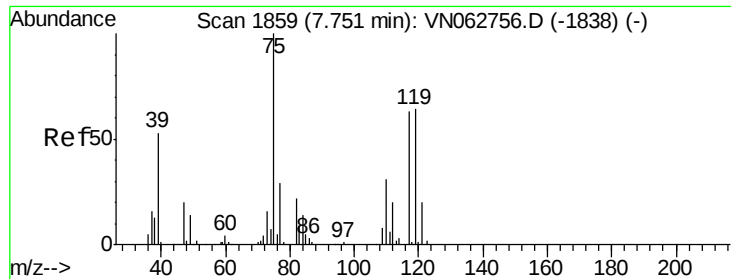
#35
 Dibromofluoromethane
 Concen: 52.062 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062913.D
 Acq: 13 Aug 2020 16:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.8	122.6
192	17.2	15.0	22.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

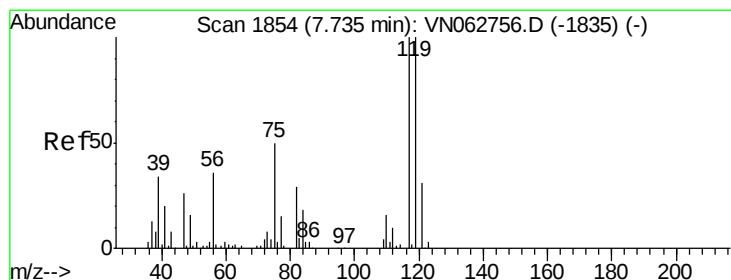
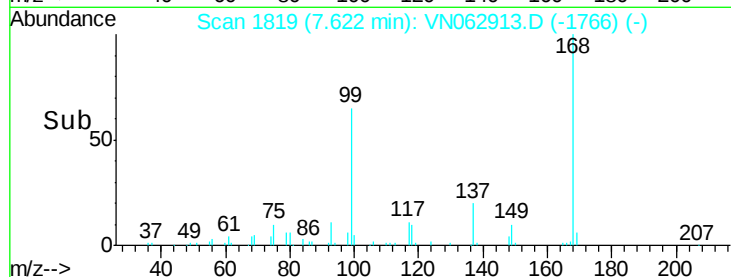
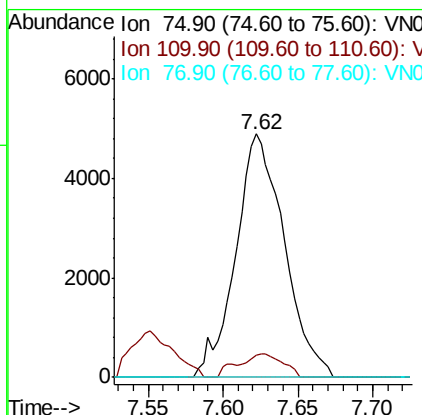
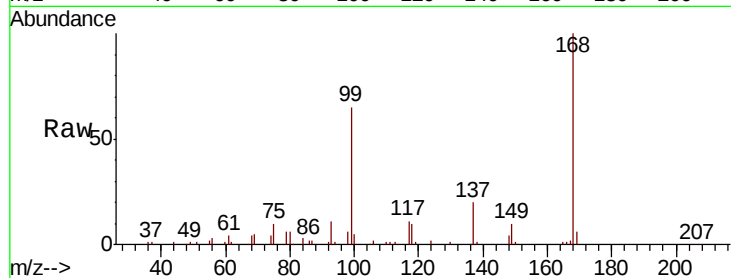




#36
 1,1-Dichloropropene
 Concen: 5.212 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062913.D
 Acq: 13 Aug 2020 16:03

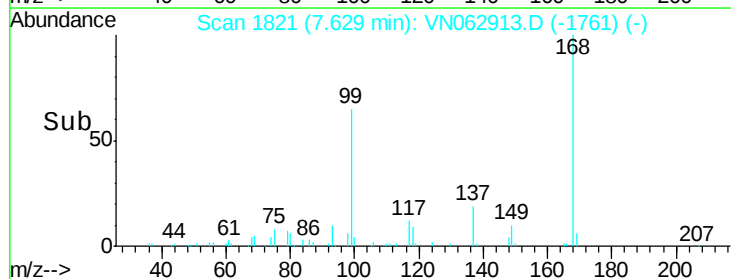
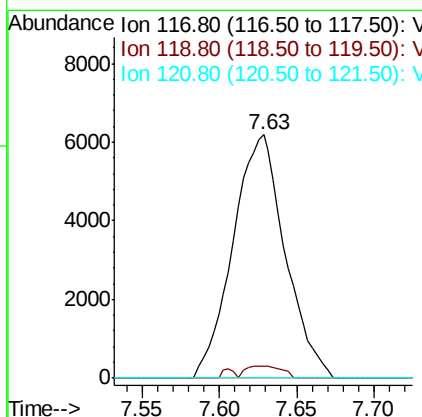
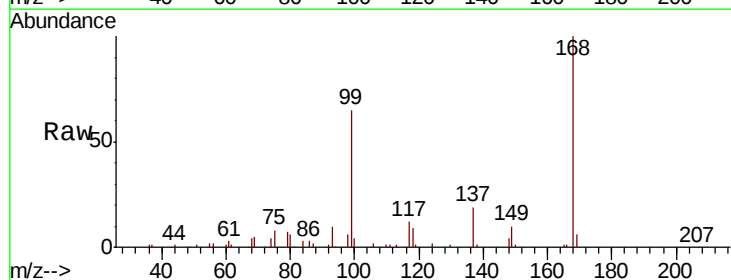
Instrument :
 MSVOA_N
 ClientSampled :
 S39-0215

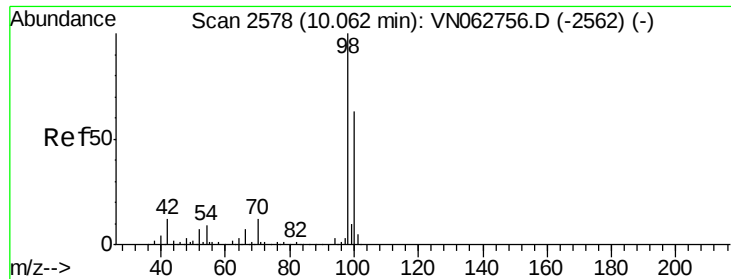
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.7#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 5.798 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062913.D
 Acq: 13 Aug 2020 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	79.4	119.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 48.119 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062913.D

Acq: 13 Aug 2020 16:03

Instrument :

MSVOA_N

ClientSampled :

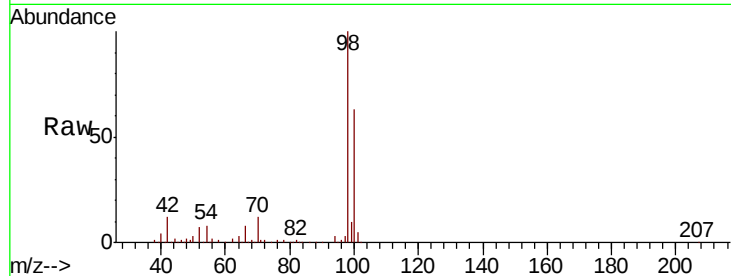
S39-0215

Tot Ion: 98 Resp: 279591

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062756.D (-2562) (-)

10.06

150000

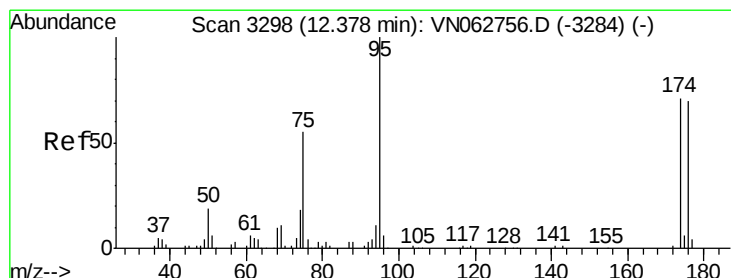
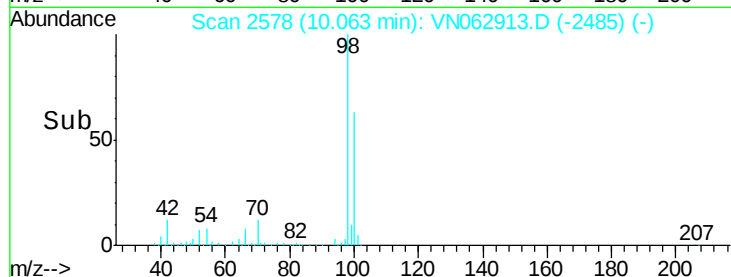
100000

50000

0

10.00 10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 46.923 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062913.D

Acq: 13 Aug 2020 16:03

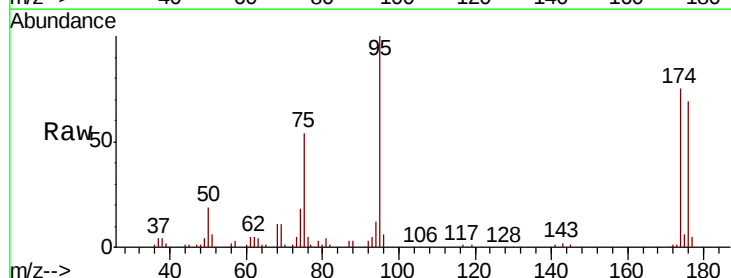
Tgt Ion: 95 Resp: 103032

Ion Ratio Lower Upper

95 100

174 76.9 0.0 144.8

176 72.2 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)

12.38

80000

60000

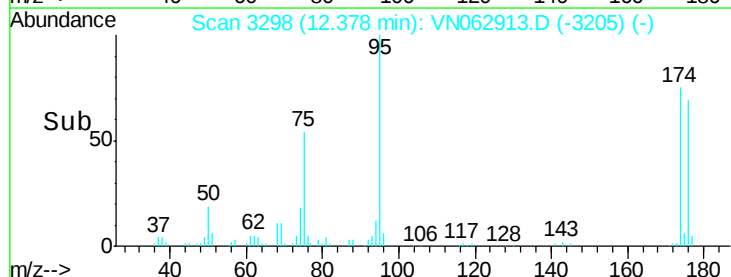
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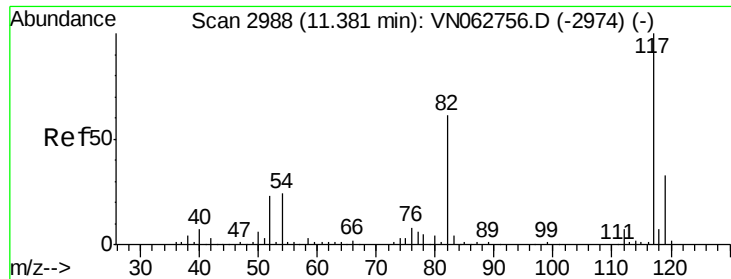
20000

0

12.30 12.40

Time-->

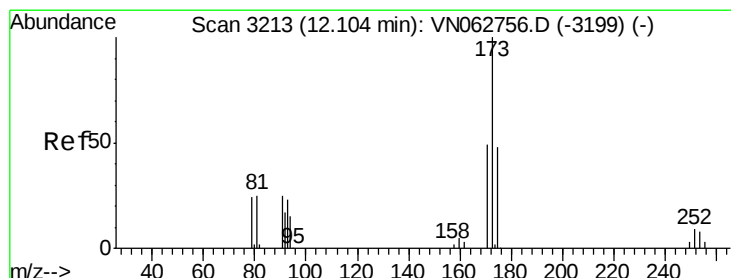
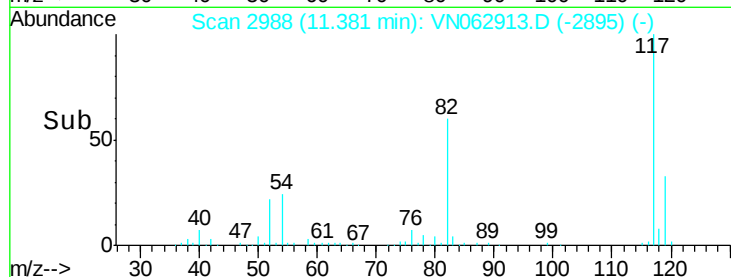
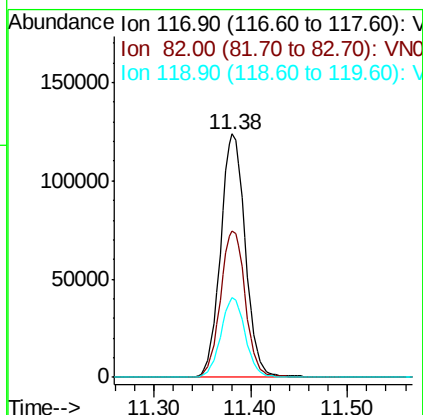
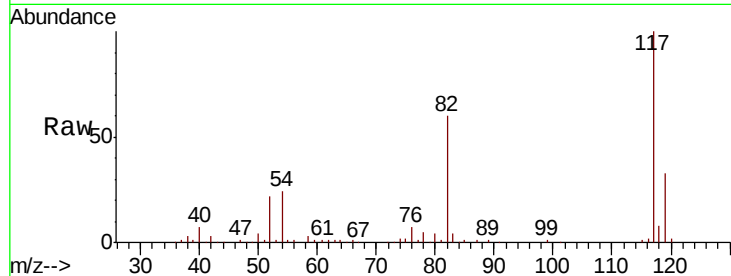




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062913.D
Acq: 13 Aug 2020 16:03

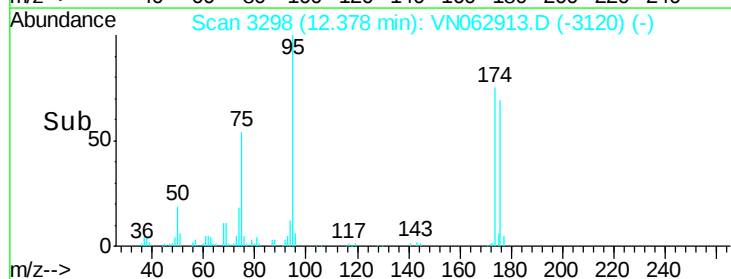
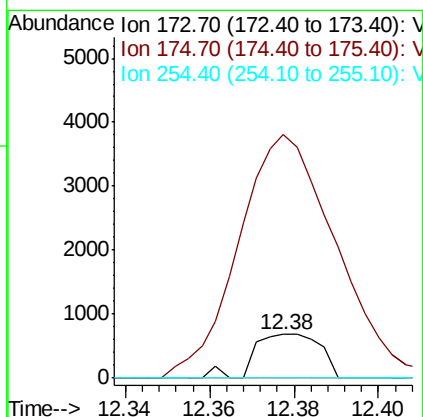
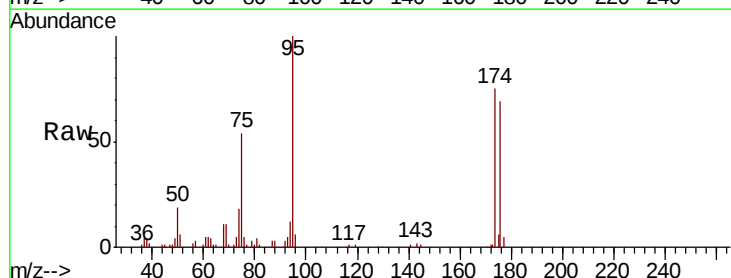
Instrument :
MSVOA_N
ClientSampleId :
S39-0215

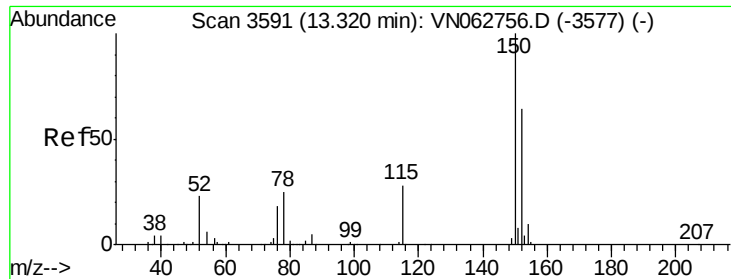
Tot Ion:117 Resp: 220004
Ion Ratio Lower Upper
117 100
82 60.4 49.0 73.4
119 32.6 26.2 39.2



#71
Bromoform
Concen: 0.491 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.27 min
Lab File: VN062913.D
Acq: 13 Aug 2020 16:03

Tgt Ion:173 Resp: 742
Ion Ratio Lower Upper
173 100
175 719.8 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062913.D

Acq: 13 Aug 2020 16:03

Instrument :

MSVOA_N

ClientSampled :

S39-0215

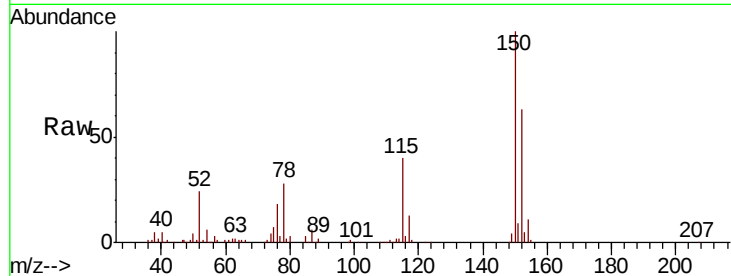
Tot Ion:152 Resp: 81519

Ion Ratio Lower Upper

152 100

115 63.5 31.6 94.8

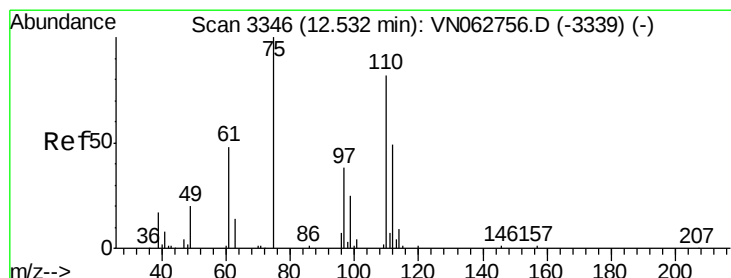
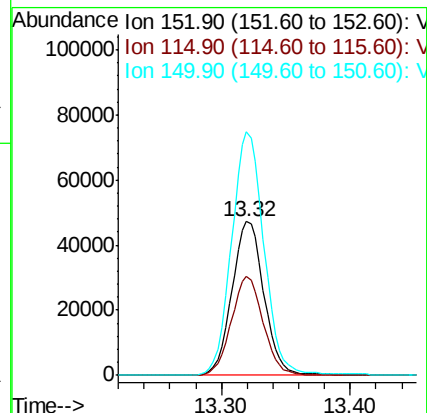
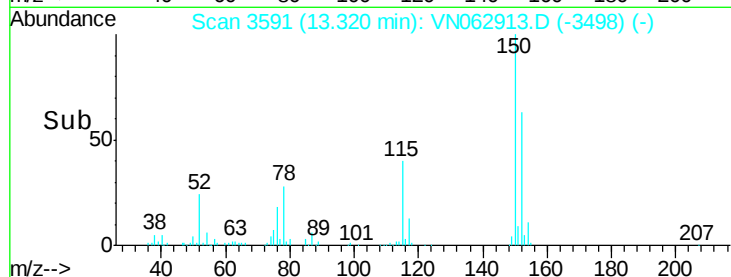
150 159.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.954 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062913.D

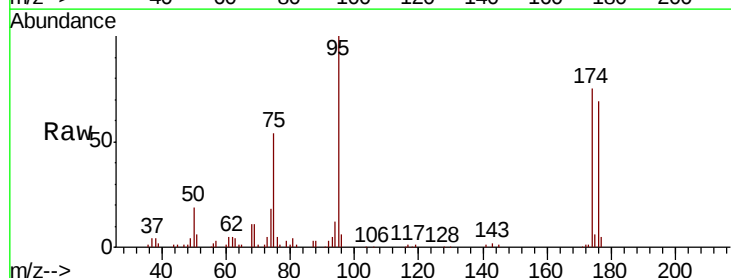
Acq: 13 Aug 2020 16:03

Tgt Ion: 75 Resp: 57060

Ion Ratio Lower Upper

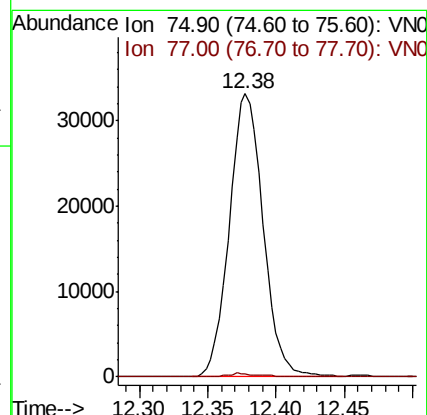
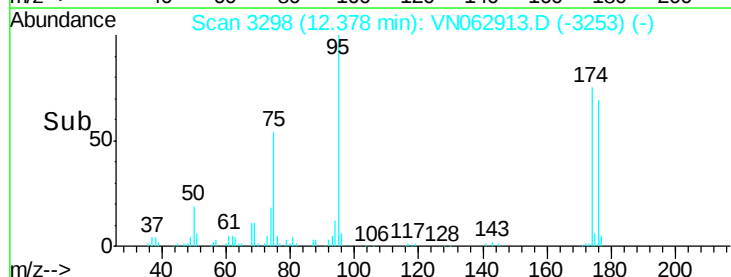
75 100

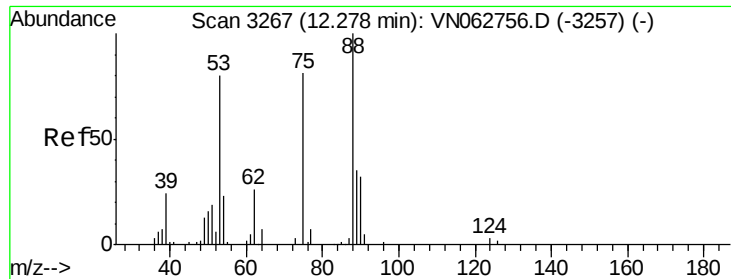
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.231 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062913.D

Acq: 13 Aug 2020 16:03

Instrument :

MSVOA_N

ClientSampleId :

S39-0215

Tot Ion: 75 Resp: 57060

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

