

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063594.D
 Acq On : 23 Sep 2020 17:18
 Operator : JC/MD
 Sample : L4116-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS034-200922

Quant Time: Sep 24 02:36:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	206807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	387012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	391540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	164353	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	176577	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	7.55	113	127296	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
50) Toluene-d8	10.06	98	496177	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.38	95	197456	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

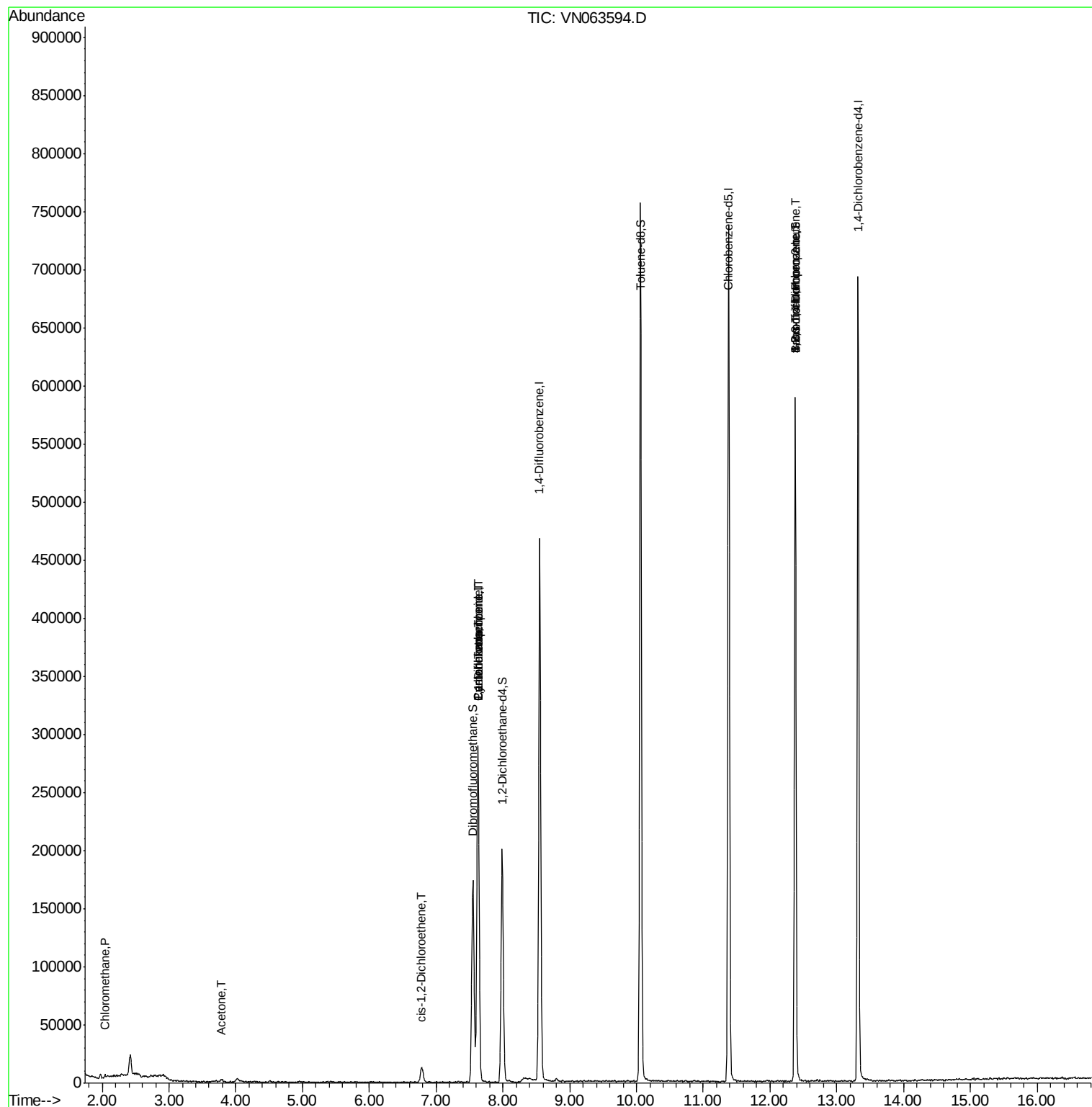
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1965	0.634	ug/l	96
16) Acetone	3.78	43	2008	1.775	ug/l #	47
27) cis-1,2-Dichloroethene	6.78	96	7463	2.550	ug/l	86
31) Cyclohexane	7.62	56	6018	1.238	ug/l #	42
36) 1,1-Dichloropropene	7.63	75	20828	5.052	ug/l #	52
38) Carbon Tetrachloride	7.62	117	23202	5.513	ug/l #	17
71) Bromoform	12.38	173	1439	0.634	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	109644	26.953	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	109644	73.895	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

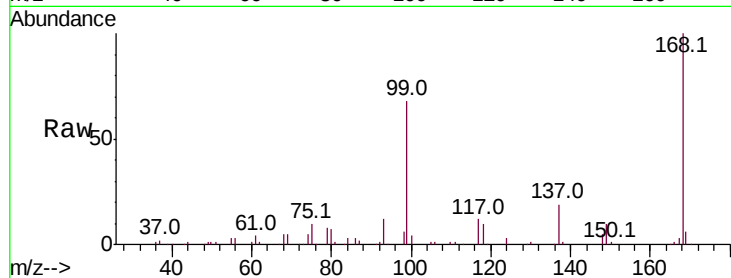
KY038PS034-200922

Tot Ion:168 Resp: 206807

Ion Ratio Lower Upper

168 100

99 68.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63

80000

60000

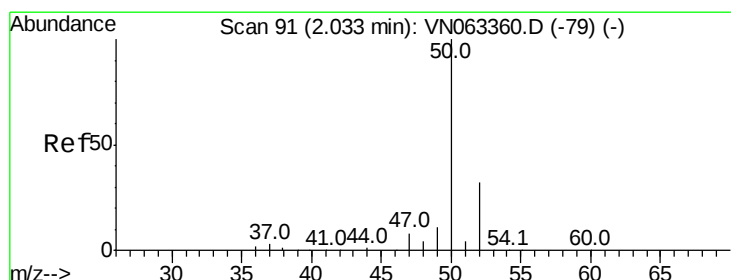
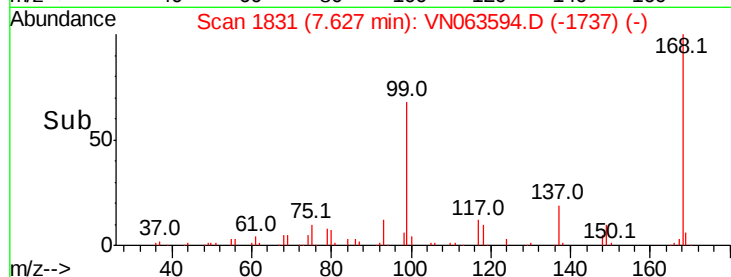
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.634 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063594.D

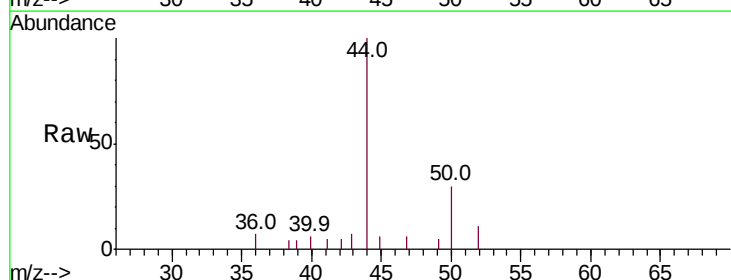
Acq: 23 Sep 2020 17:18

Tgt Ion: 50 Resp: 1965

Ion Ratio Lower Upper

50 100

52 34.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN063360.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063360.D (-79) (-)

2.04

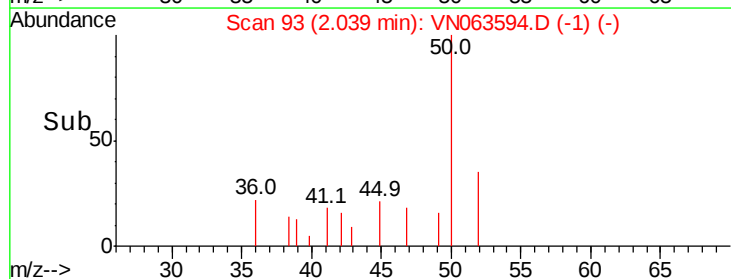
1000

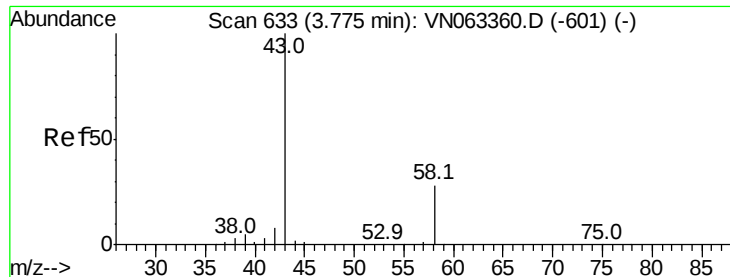
500

0

2.00 2.05

Time-->





#16

Acetone

Concen: 1.775 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

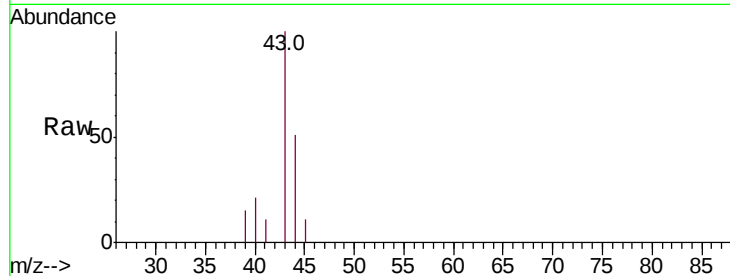
KY038PS034-200922

Tot Ion: 43 Resp: 2008

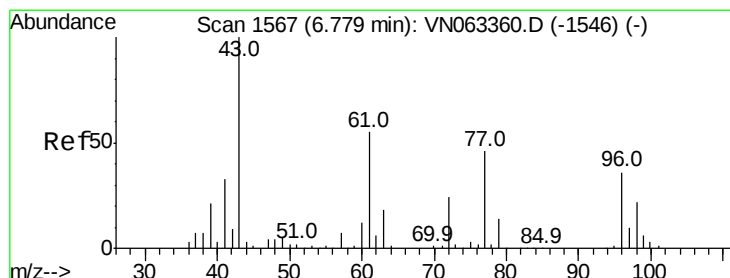
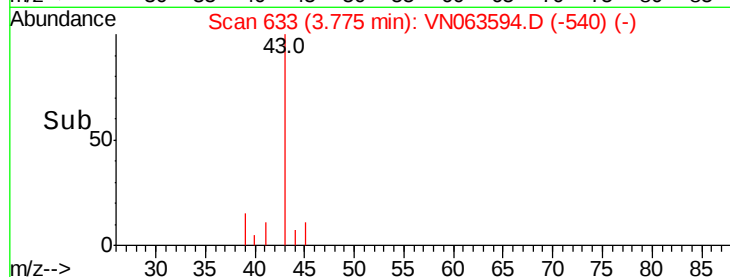
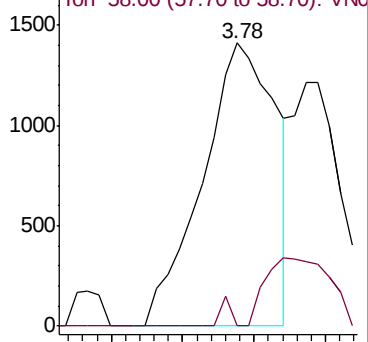
Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)



#27

cis-1,2-Dichloroethene

Concen: 2.550 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

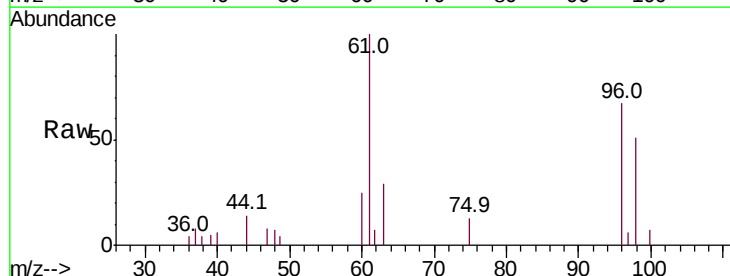
Tgt Ion: 96 Resp: 7463

Ion Ratio Lower Upper

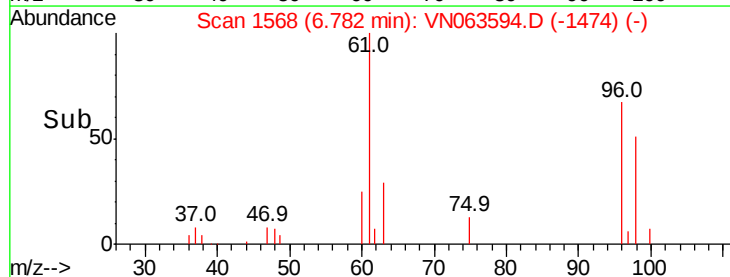
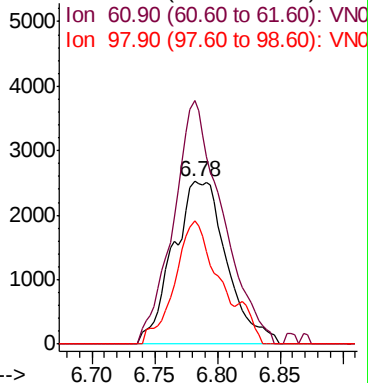
96 100

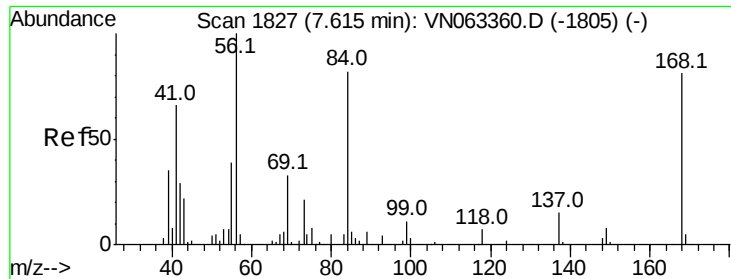
61 137.5 0.0 319.6

98 59.0 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN063360.D (-1546) (-)

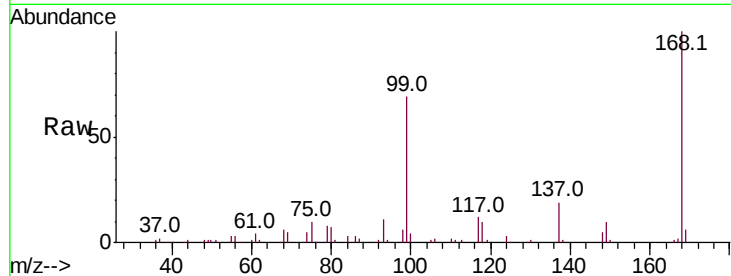




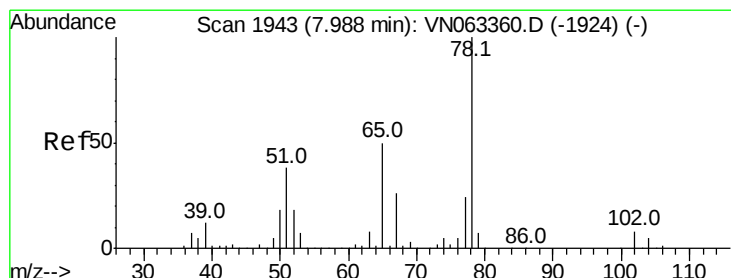
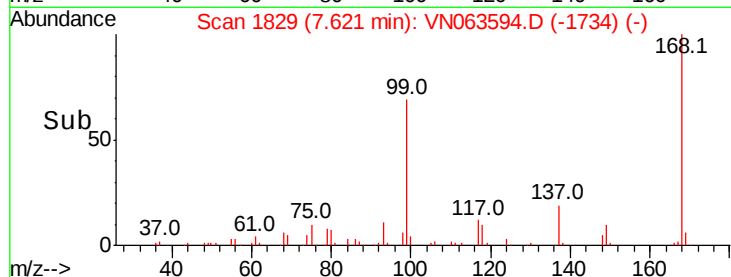
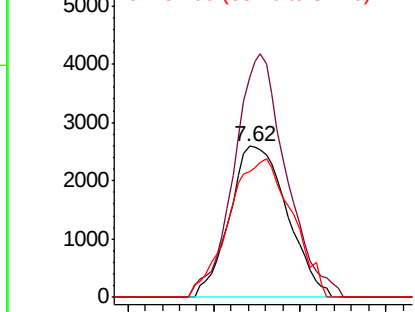
#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063594.D
Acq: 23 Sep 2020 17:18

Instrument :
MSVOA_N
ClientSampleId :
KY038PS034-200922

Tot Ion: 56 Resp: 6018
Ion Ratio Lower Upper
56 100
69 145.5 26.1 39.1#
84 83.2 65.4 98.2

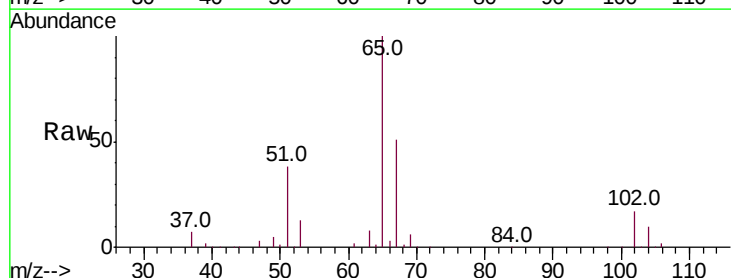


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

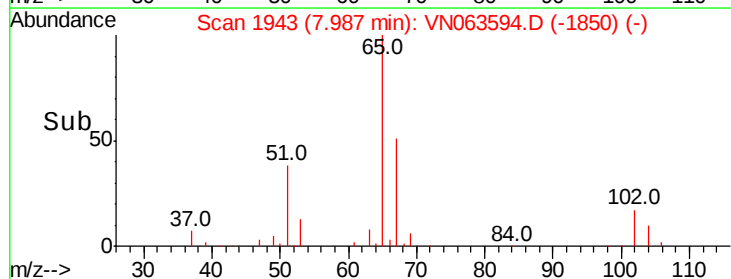
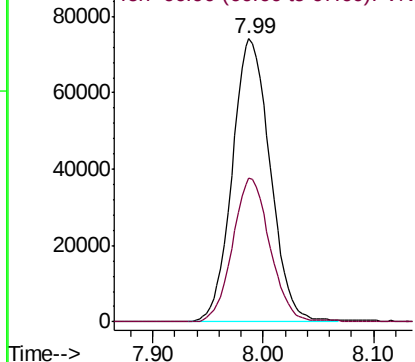


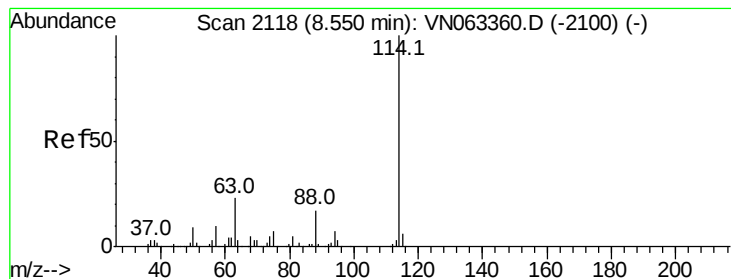
#33
1,2-Dichloroethane-d4
Concen: 50.158 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063594.D
Acq: 23 Sep 2020 17:18

Tgt Ion: 65 Resp: 176577
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200922

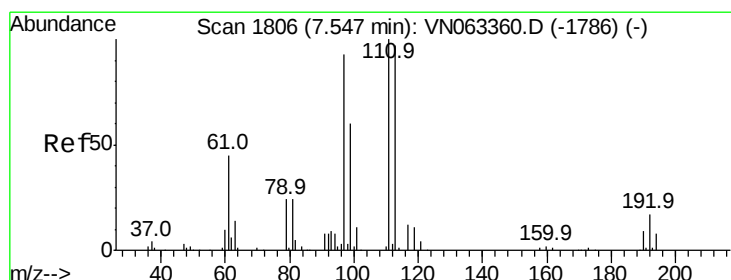
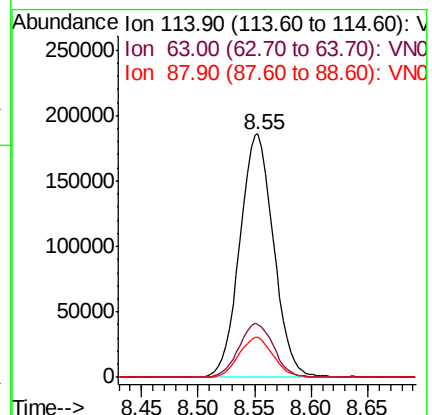
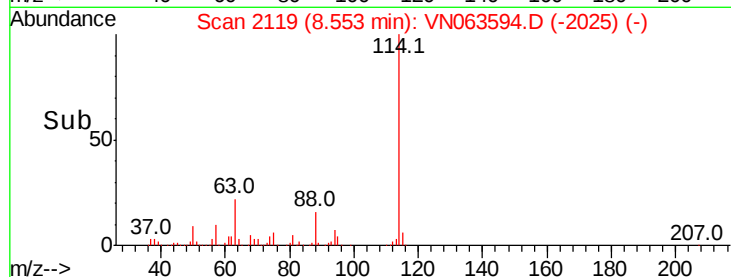
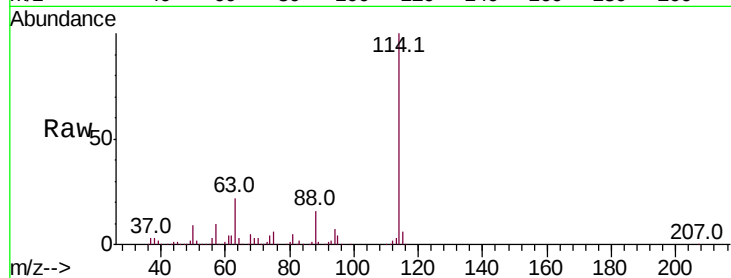
Tot Ion:114 Resp: 387012

Ion Ratio Lower Upper

114 100

63 22.0 0.0 46.4

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.513 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

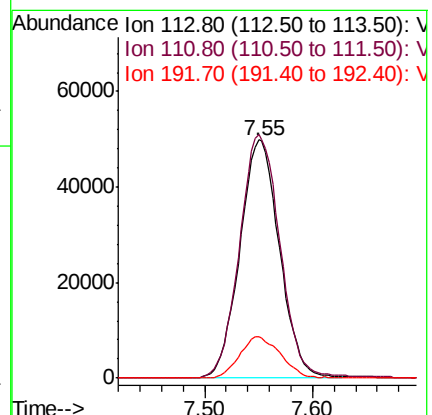
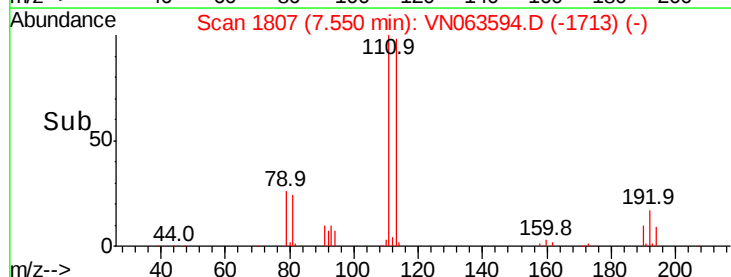
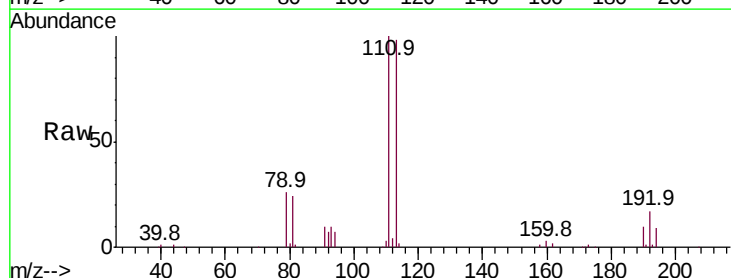
Tgt Ion:113 Resp: 127296

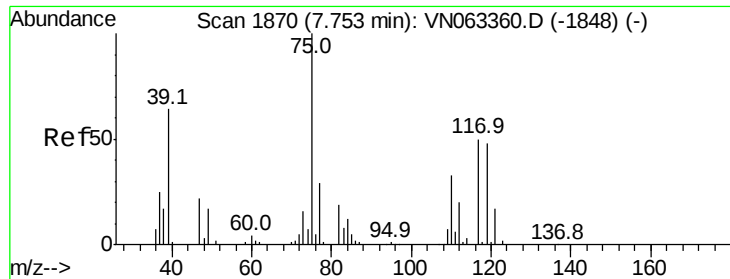
Ion Ratio Lower Upper

113 100

111 104.9 82.9 124.3

192 17.9 13.9 20.9





#36

1,1-Dichloropropene

Concen: 5.052 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200922

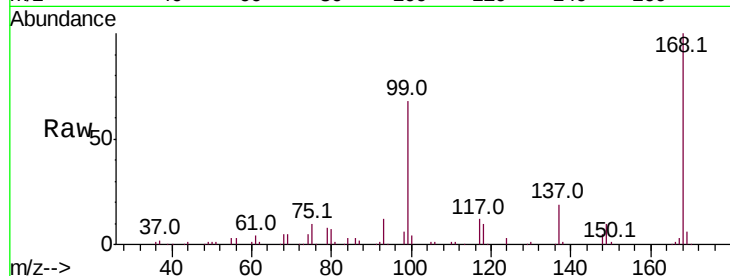
Tot Ion: 75 Resp: 20828

Ion Ratio Lower Upper

75 100

110 9.8 16.5 49.5#

77 0.0 24.6 36.8#



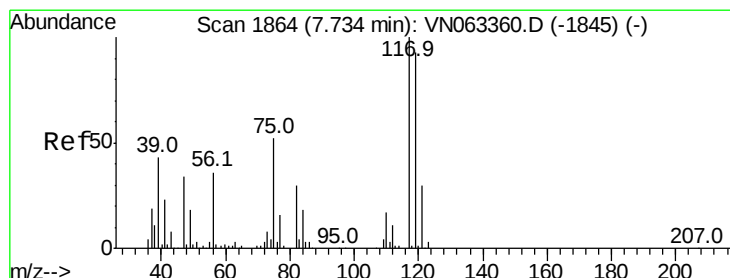
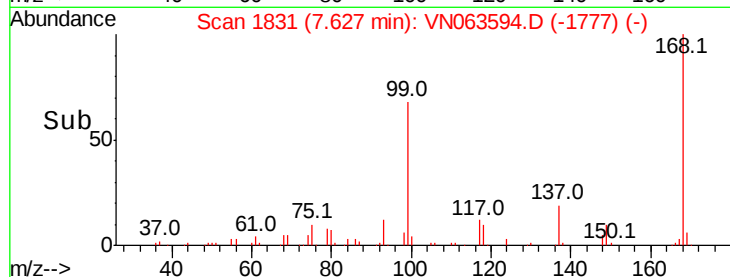
Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)

7.63

Time-->



#38

Carbon Tetrachloride

Concen: 5.513 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

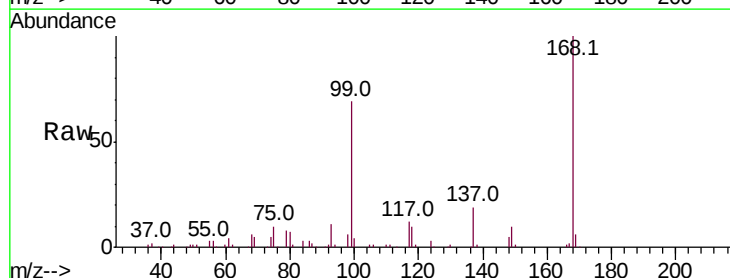
Tgt Ion: 117 Resp: 23202

Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

121 0.0 24.1 36.1#



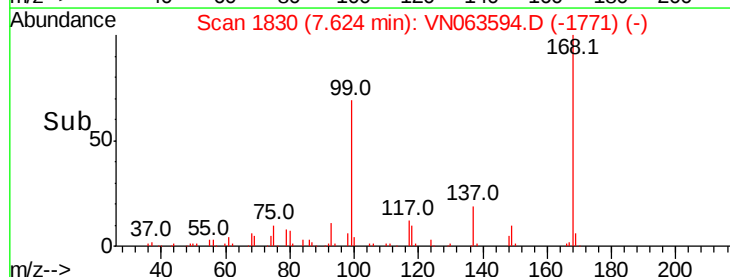
Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

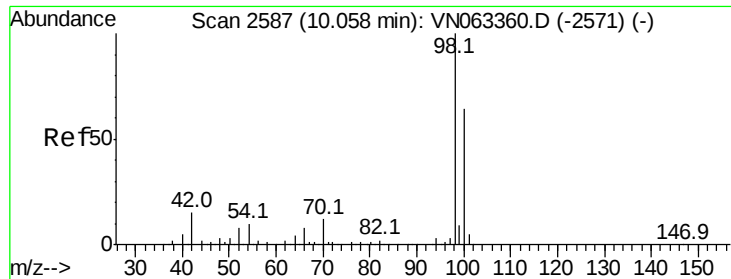
Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)

7.62

Time-->





#50

Toluene-d8

Concen: 49.252 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

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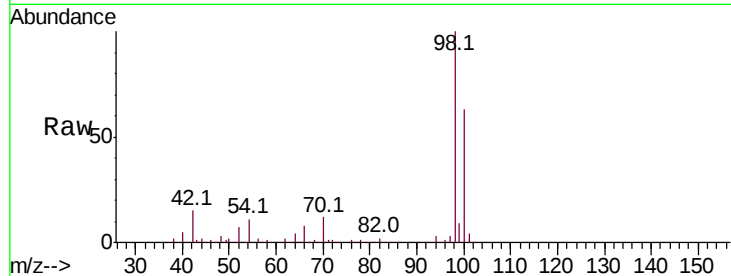
KY038PS034-200922

Tot Ion: 98 Resp: 496177

Ion Ratio Lower Upper

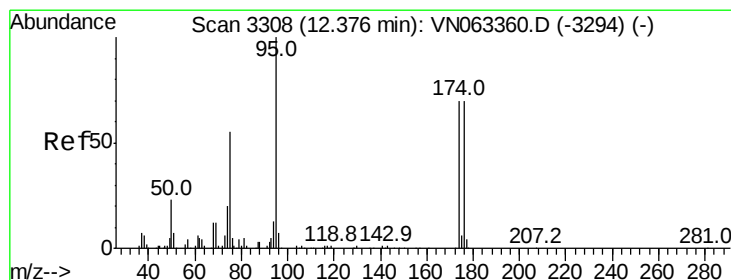
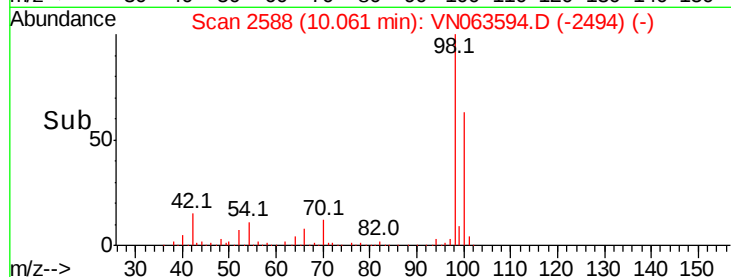
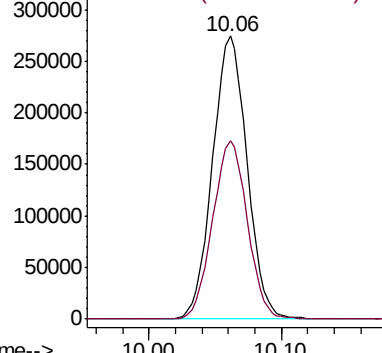
98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 53.467 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

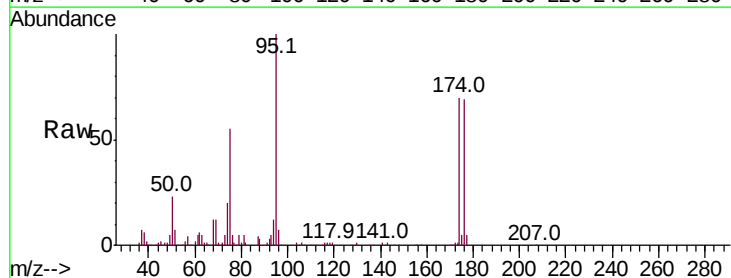
Tgt Ion: 95 Resp: 197456

Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.8

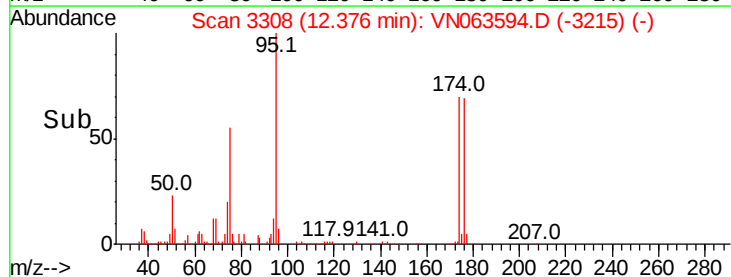
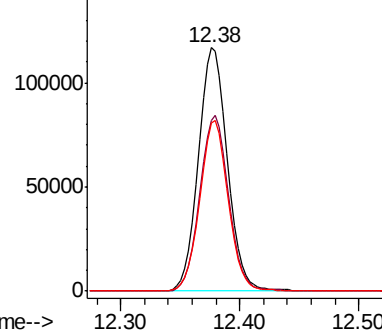
176 68.6 0.0 137.6

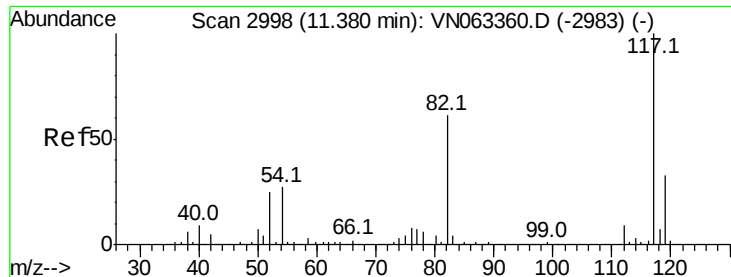


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN

Ion 175.80 (175.50 to 176.50): VN

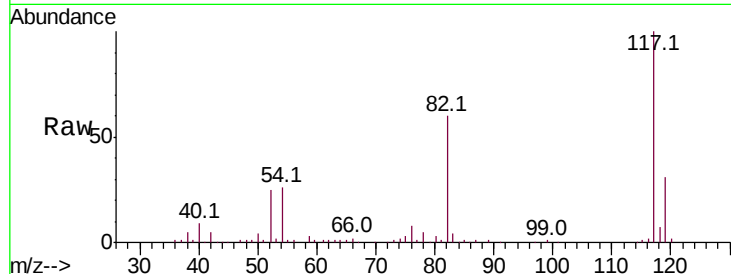




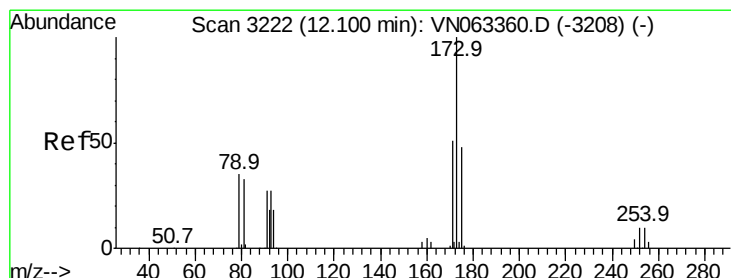
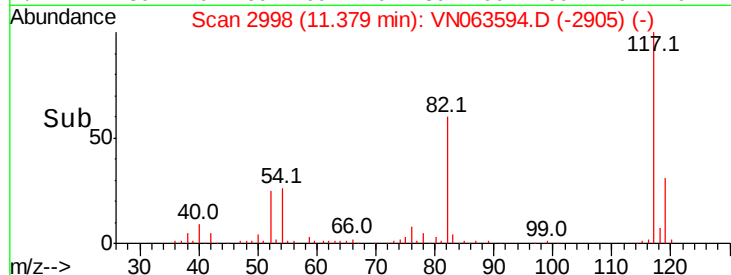
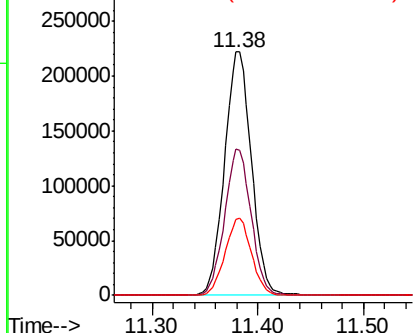
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063594.D
Acq: 23 Sep 2020 17:18

Instrument :
MSVOA_N
ClientSampleId :
KY038PS034-200922

Tot Ion:117 Resp: 391540
Ion Ratio Lower Upper
117 100
82 60.3 49.2 73.8
119 31.1 26.2 39.4

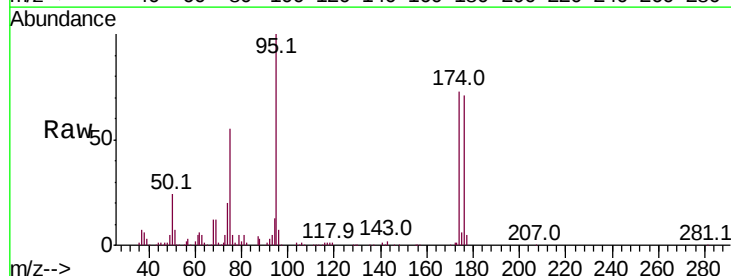


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

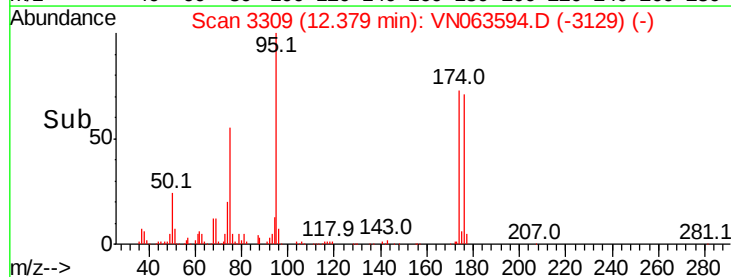
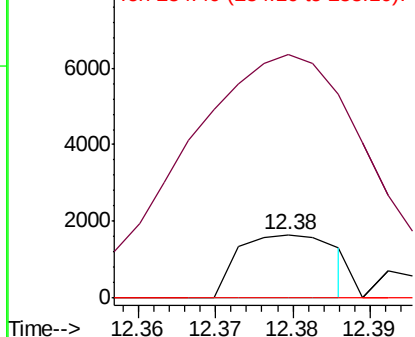


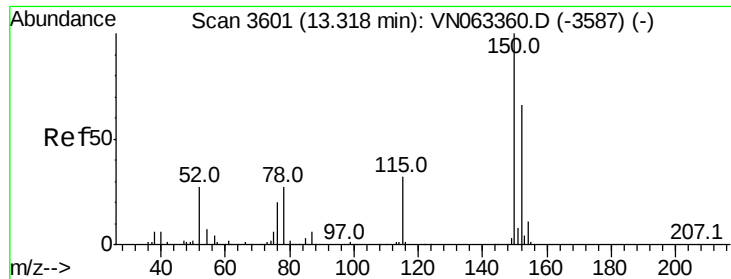
#71
Bromoform
Concen: 0.634 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063594.D
Acq: 23 Sep 2020 17:18

Tgt Ion:173 Resp: 1439
Ion Ratio Lower Upper
173 100
175 613.0 24.0 72.0#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200922

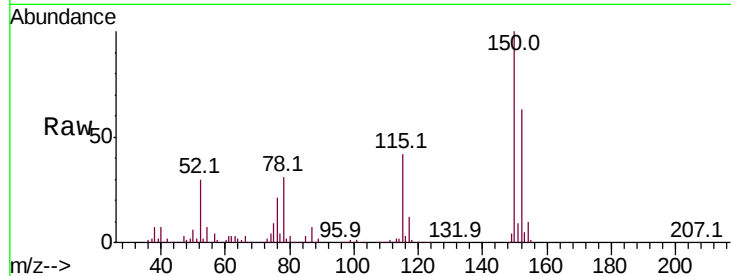
Tot Ion:152 Resp: 164353

Ion Ratio Lower Upper

152 100

115 63.6 32.2 96.6

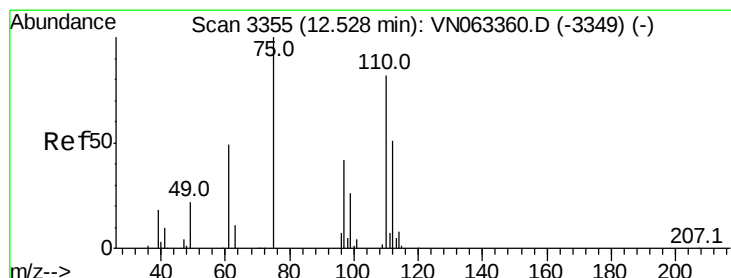
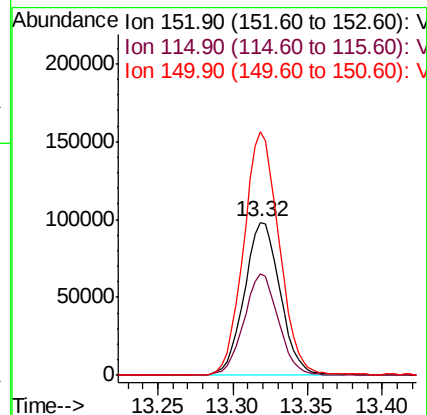
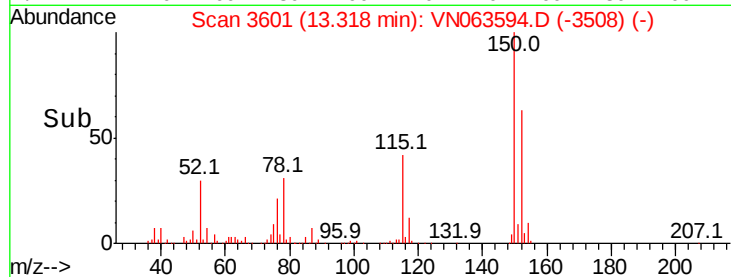
150 157.0 0.0 343.4



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: 26.953 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063594.D

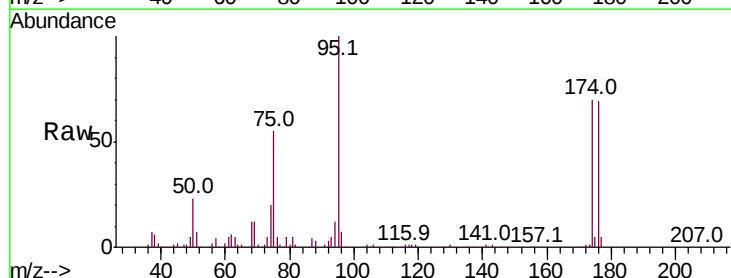
Acq: 23 Sep 2020 17:18

Tgt Ion: 75 Resp: 109644

Ion Ratio Lower Upper

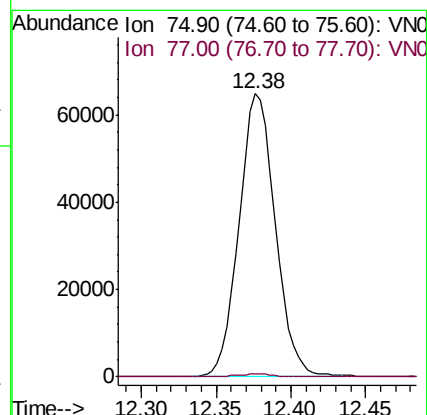
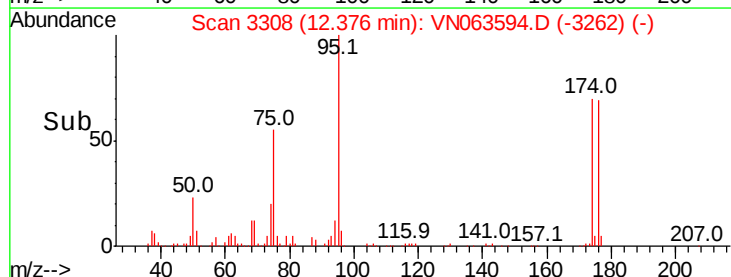
75 100

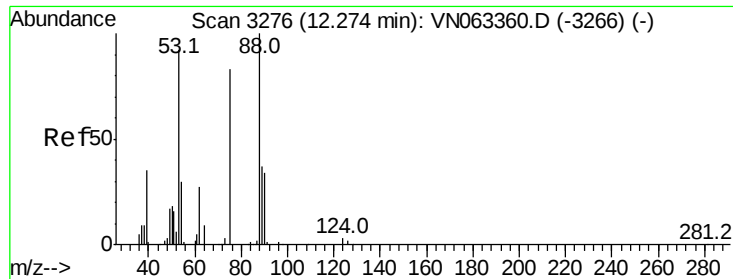
77 1.1 0.0 0.0#



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: 73.895 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063594.D

Acq: 23 Sep 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200922

Tot Ion: 75 Resp: 109644

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

