

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\
 Data File : VN062594.D
 Acq On : 22 Jul 2020 14:47
 Operator : JC/MD
 Sample : L3371-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS034-200720

Quant Time: Jul 23 07:16:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	172971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	295392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104194	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	137191	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.12%		
35) Dibromofluoromethane	7.55	113	102007	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.74%		
50) Toluene-d8	10.06	98	394994	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.70%		
62) 4-Bromofluorobenzene	12.38	95	139404	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.24%		

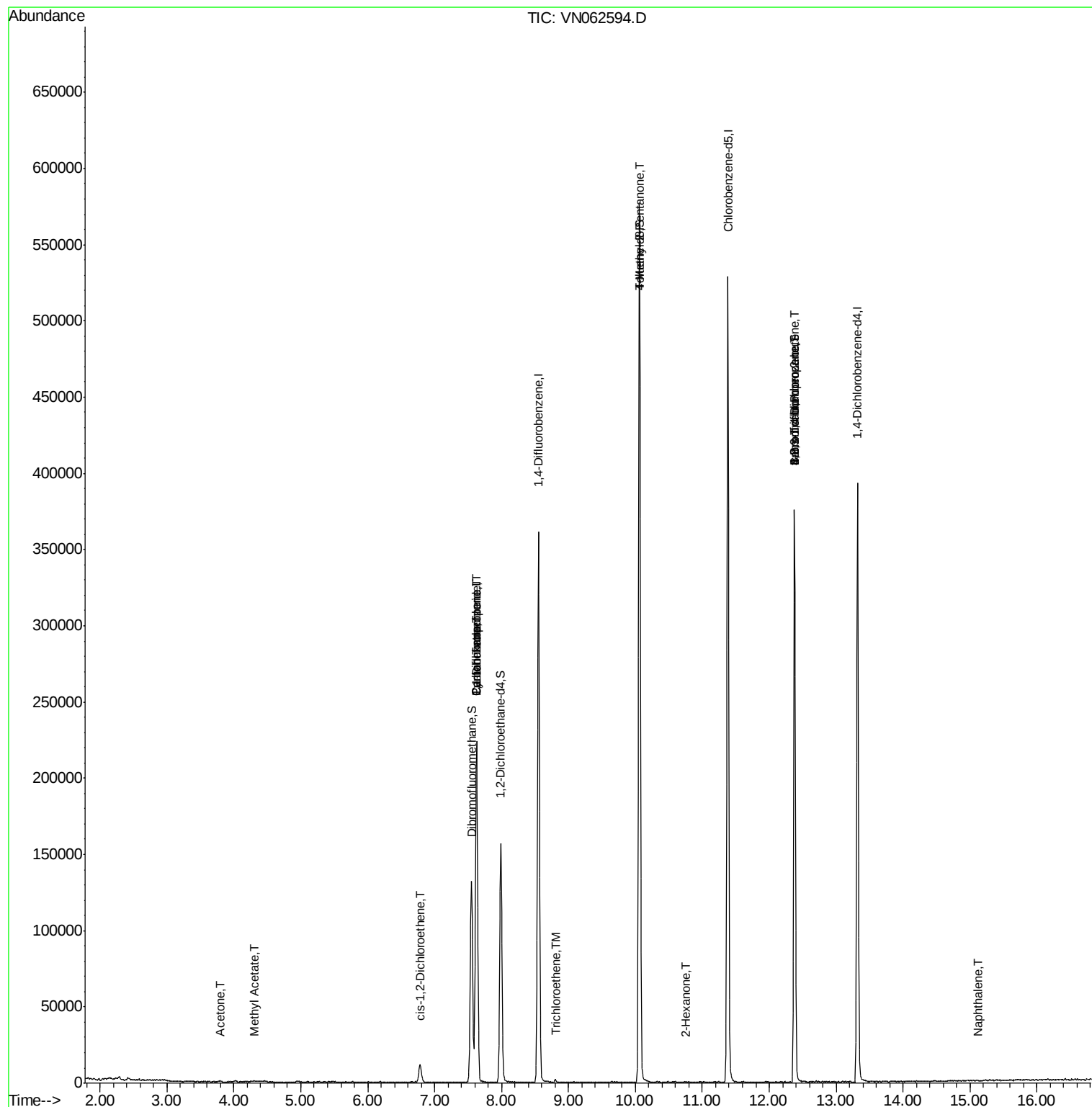
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	1145	1.132	ug/l #	44
18) Methyl Acetate	4.30	43	1016	0.397	ug/l #	56
27) cis-1,2-Dichloroethene	6.78	96	7204	3.071	ug/l	76
31) Cyclohexane	7.62	56	4030	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	14998	4.654	ug/l #	52
38) Carbon Tetrachloride	7.63	117	17690	5.711	ug/l #	17
44) Trichloroethene	8.80	130	490	0.223	ug/l	41
51) 4-Methyl-2-Pentanone	10.06	43	1951	0.582	ug/l #	1
59) 2-Hexanone	10.76	43	121	3.005	ug/l #	26
71) Bromoform	12.38	173	433	0.248	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	72196	27.222	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	72196	75.780	ug/l #	12
95) Naphthalene	15.11	128	187	3.799	ug/l #	69

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

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Quant Time: Jul 23 07:16:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062594.D

Acq: 22 Jul 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

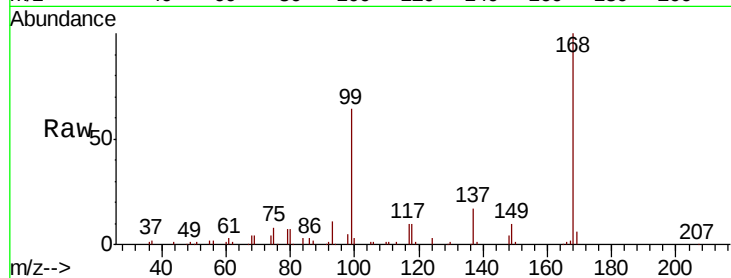
KY038PS034-200720

Tot Ion:168 Resp: 172971

Ion Ratio Lower Upper

168 100

99 63.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062568.D

Ion 98.90 (98.60 to 99.60): VN062568.D

7.63

80000

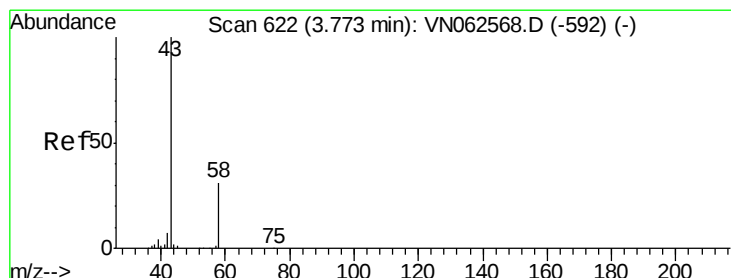
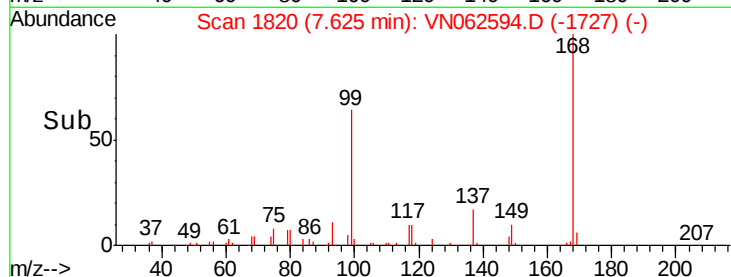
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 1.132 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062594.D

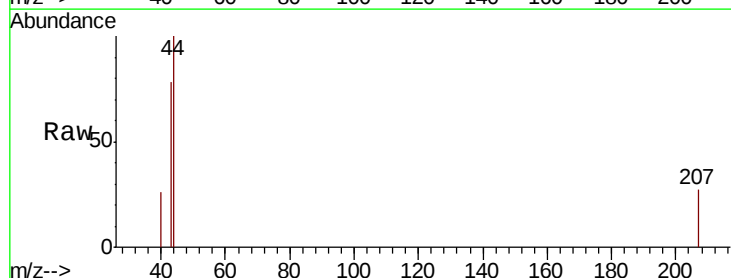
Acq: 22 Jul 2020 14:47

Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D

Ion 58.00 (57.70 to 58.70): VN062568.D

3.78

600

500

400

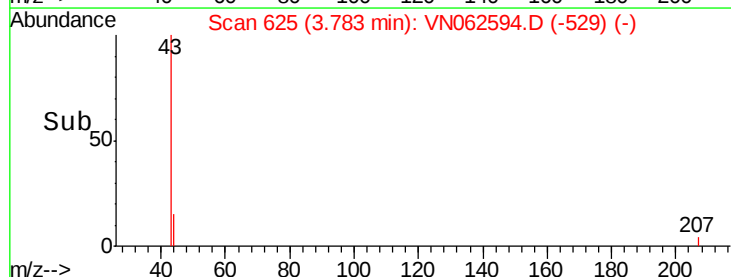
300

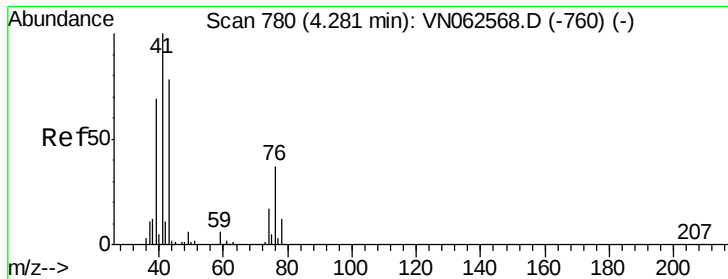
200

100

0

Time--> 3.75 3.80

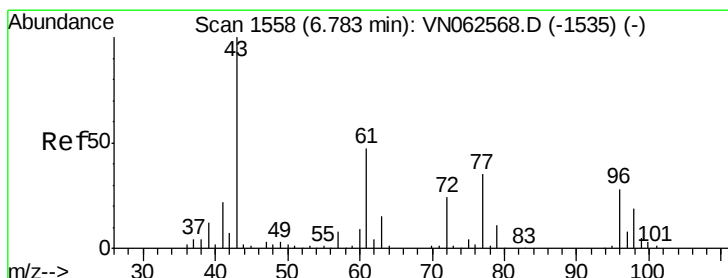
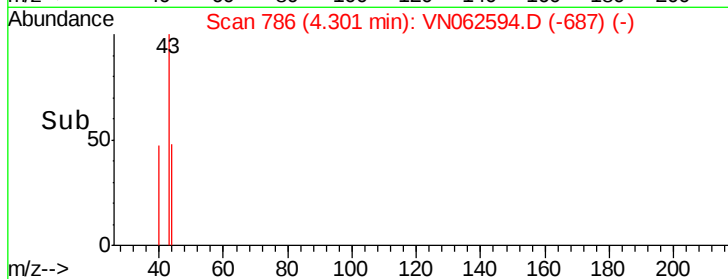
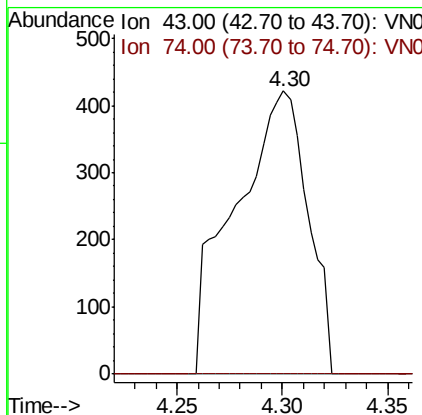
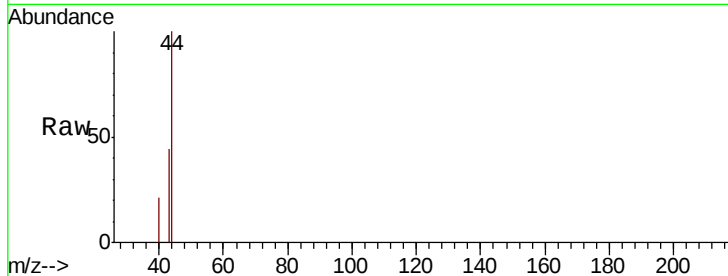




#18
Methvl Acetate
Concen: 0.397 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.02 min
Lab File: VN062594.D
Acq: 22 Jul 2020 14:47

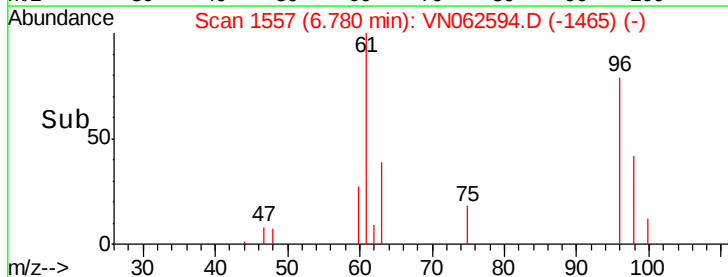
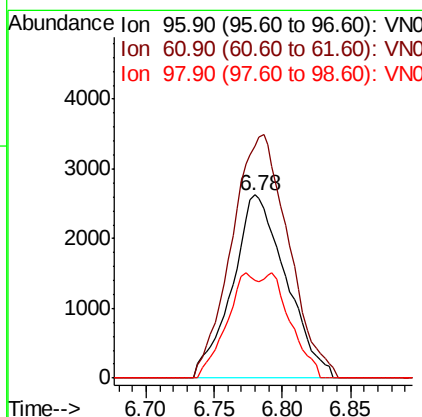
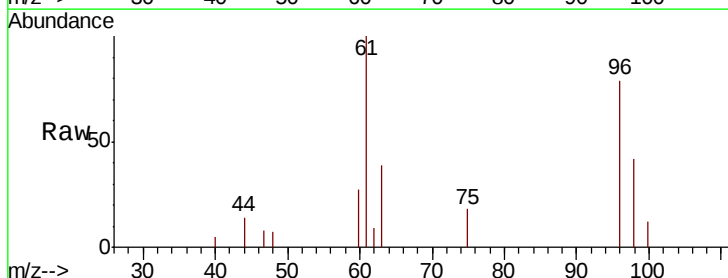
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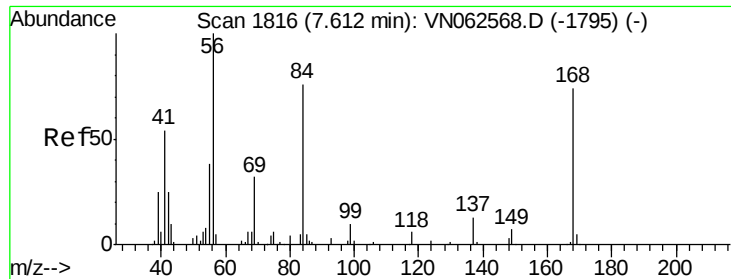
Tot Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#27
cis-1,2-Dichloroethene
Concen: 3.071 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN062594.D
Acq: 22 Jul 2020 14:47

Tgt Ion: 96 Resp: 7204
Ion Ratio Lower Upper
96 100
61 140.3 0.0 332.4
98 34.1 0.0 127.4

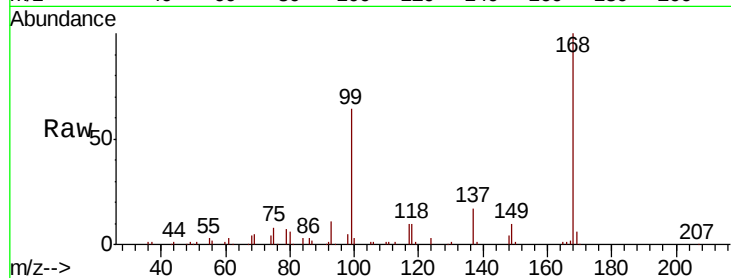




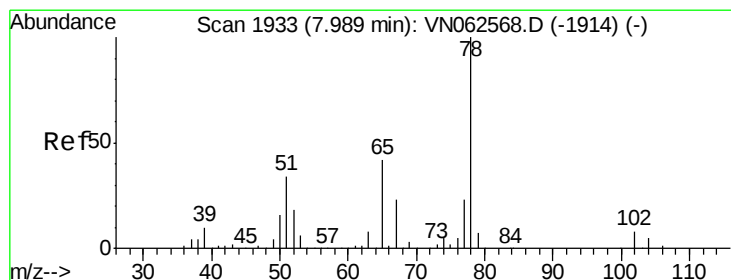
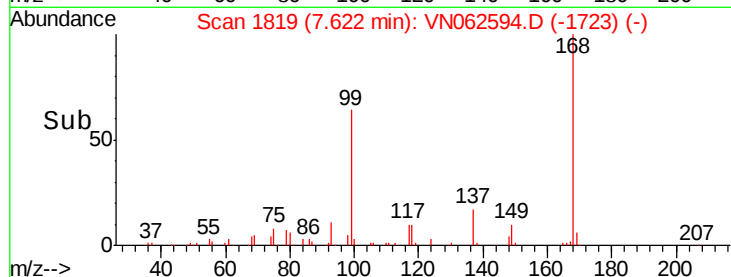
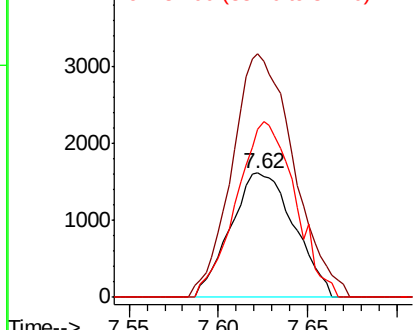
#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062594.D
Acq: 22 Jul 2020 14:47

Instrument :
MSVOA_N
ClientSampleId :
KY038PS034-200720

Tot Ion: 56 Resp: 4030
Ion Ratio Lower Upper
56 100
69 195.9 25.3 37.9#
84 135.1 61.0 91.4#

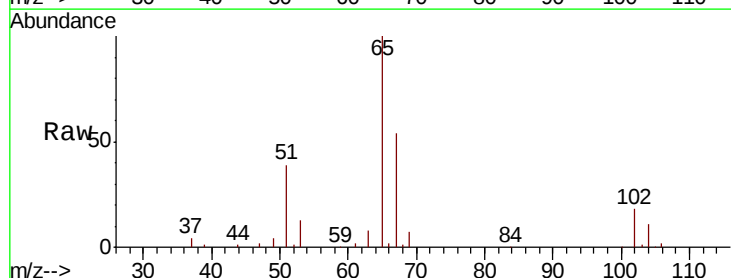


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

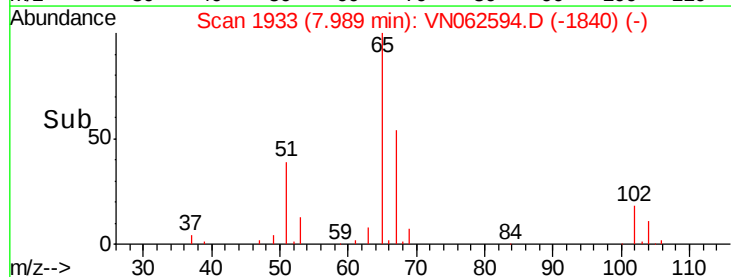
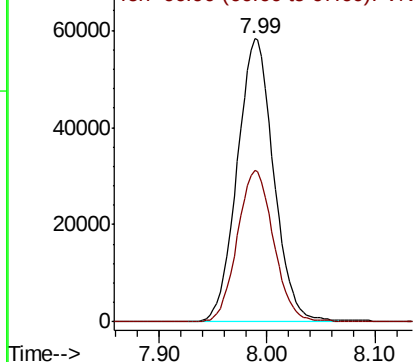


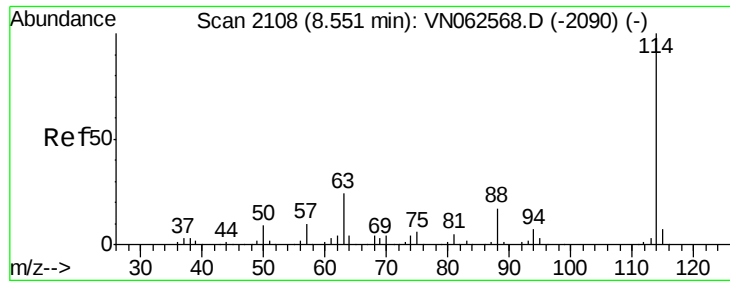
#33
1,2-Dichloroethane-d4
Concen: 51.057 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062594.D
Acq: 22 Jul 2020 14:47

Tgt Ion: 65 Resp: 137191
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0



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

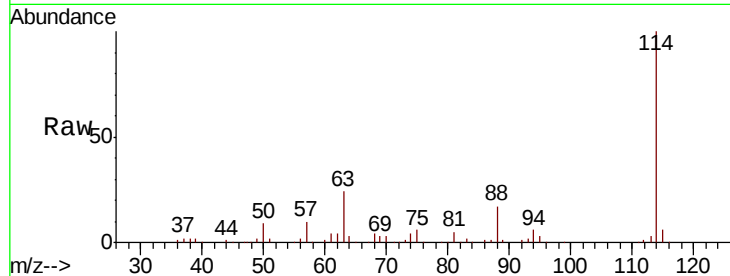




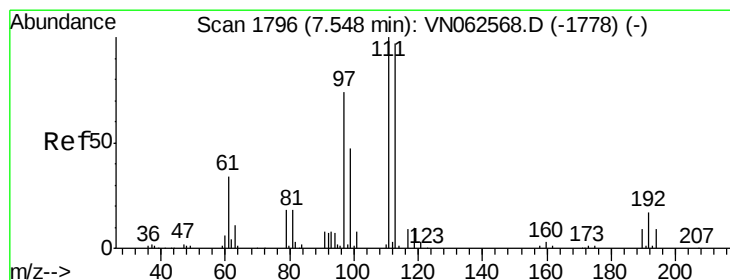
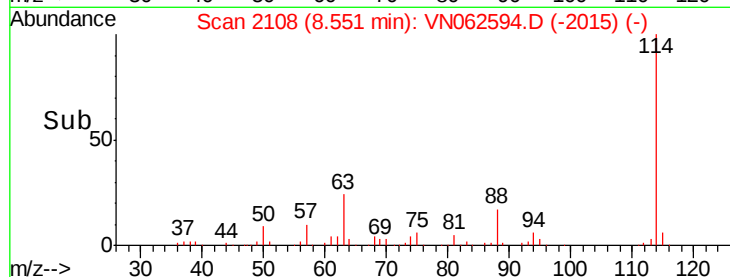
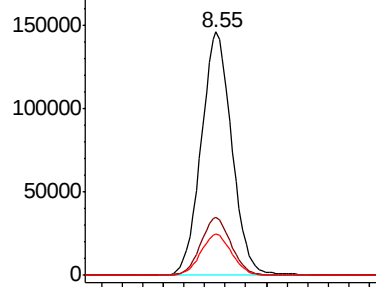
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062594.D
 Acq: 22 Jul 2020 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS034-200720

Tot Ion:114 Resp: 302310
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.4
 88 17.0 0.0 33.8

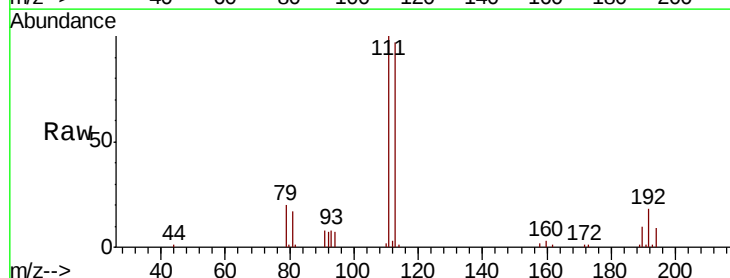


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

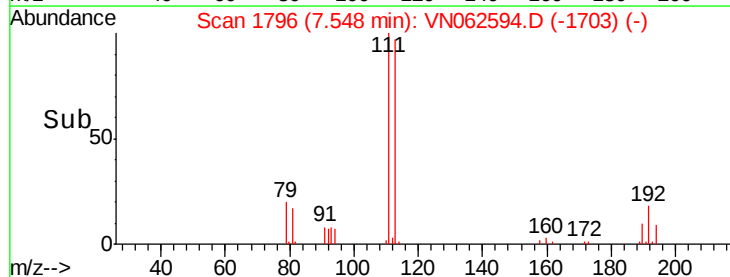
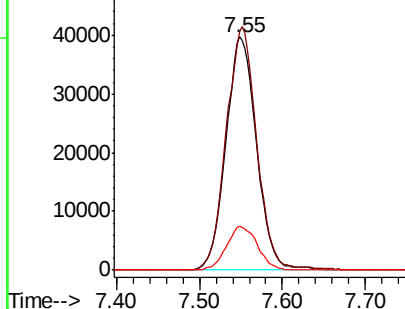


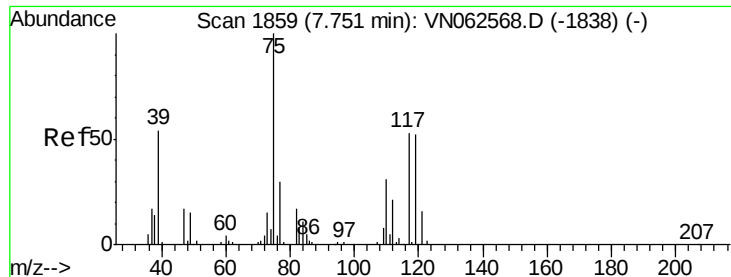
#35
 Dibromofluoromethane
 Concen: 51.370 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062594.D
 Acq: 22 Jul 2020 14:47

Tgt Ion:113 Resp: 102007
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 18.8 14.8 22.2



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

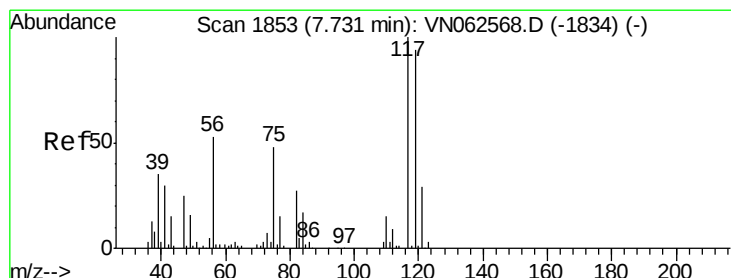
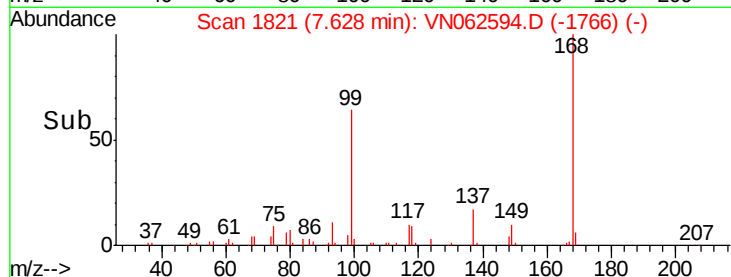
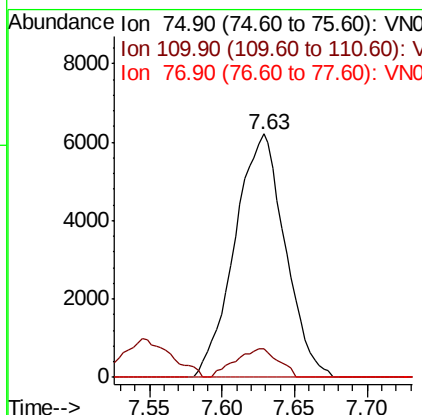
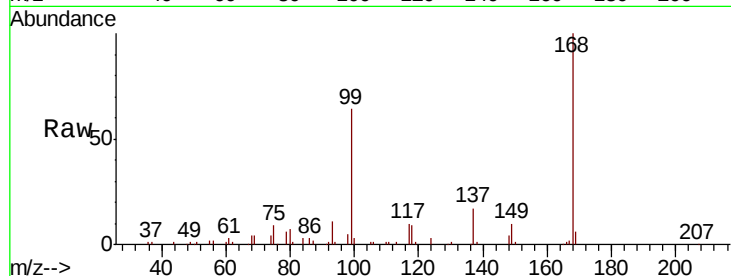




#36
 1,1-Dichloropropene
 Concen: 4.654 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062594.D
 Acq: 22 Jul 2020 14:47

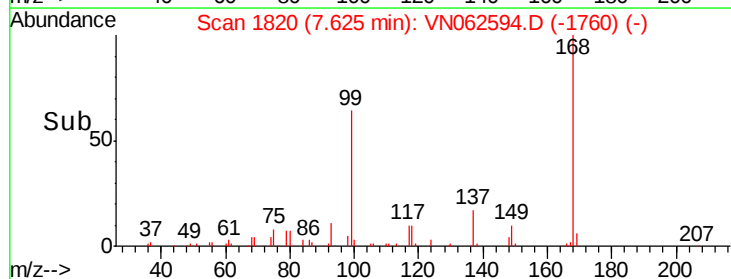
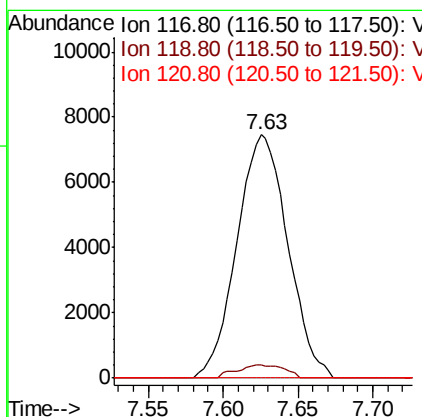
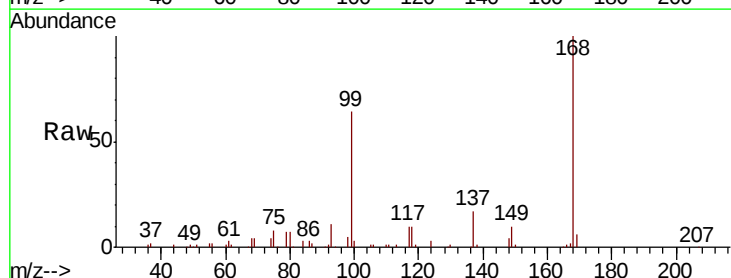
Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS034-200720

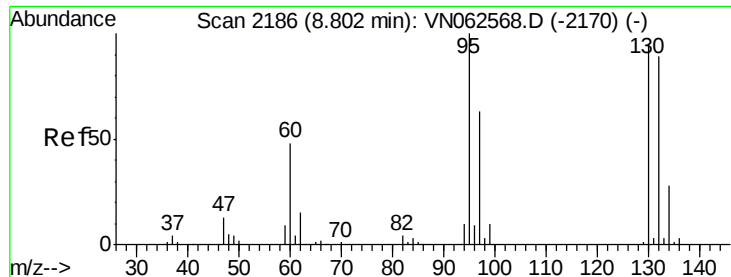
Tot Ion	75	Resp	14998
Ion Ratio	Lower	Upper	
75	100		
110	9.9	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.711 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062594.D
 Acq: 22 Jul 2020 14:47

Tgt Ion	117	Resp	17690
Ion Ratio	Lower	Upper	
117	100		
119	5.3	74.8	112.2#
121	0.0	23.0	34.6#





#44

Trichloroethene

Concen: 0.223 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

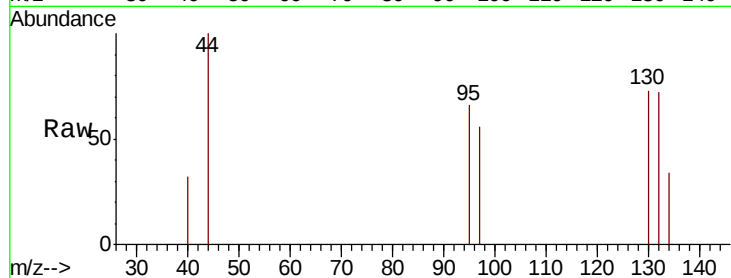
KY038PS034-200720

Tot Ion:130 Resp: 490

Ion Ratio Lower Upper

130 100

95 44.5 0.0 210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062568.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062568.D (-2170) (-)

8.80

400

300

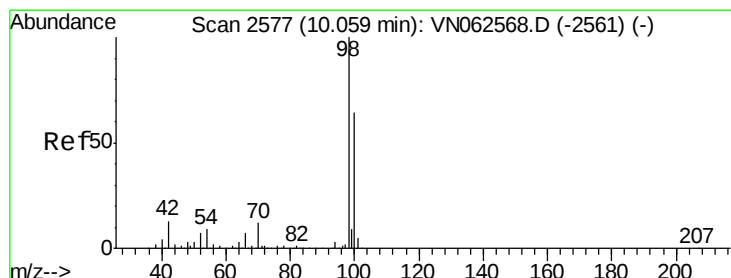
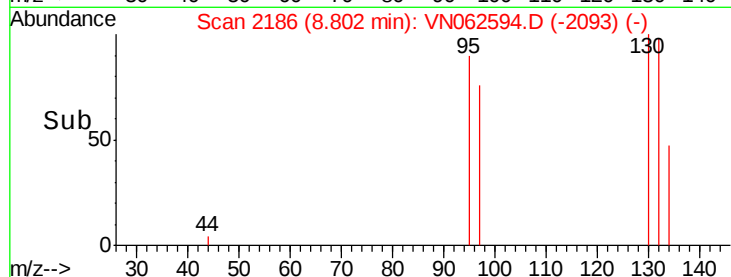
200

100

0

8.78 8.80 8.82

Time-->



#50

Toluene-d8

Concen: 49.854 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062594.D

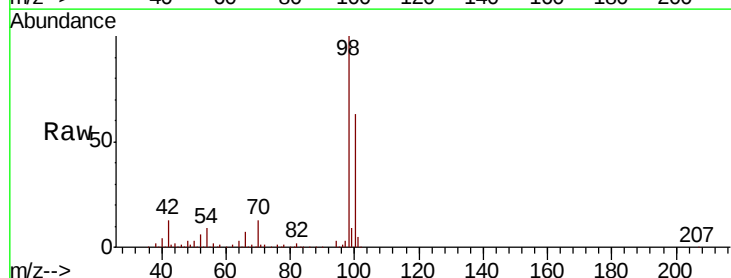
Acq: 22 Jul 2020 14:47

Tgt Ion: 98 Resp: 394994

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062568.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN062568.D (-2561) (-)

250000

200000

150000

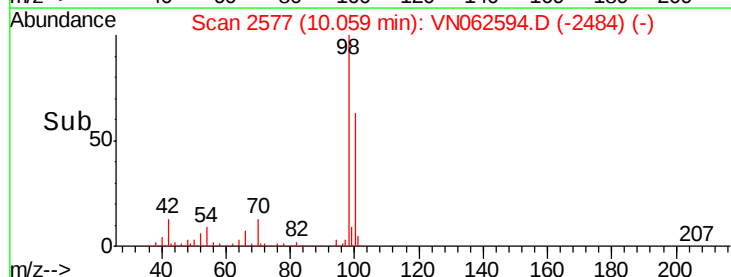
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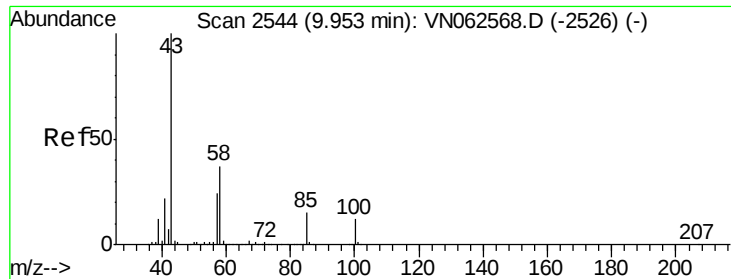
50000

0

10.00 10.06 10.10

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.582 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

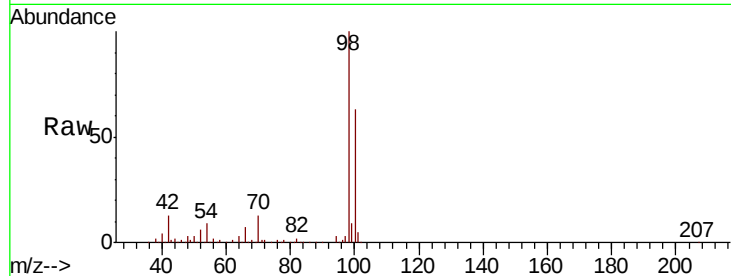
KY038PS034-200720

Tot Ion: 43 Resp: 1951

Ion Ratio Lower Upper

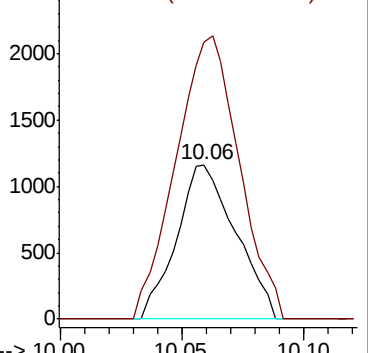
43 100

58 196.4 29.8 44.6#

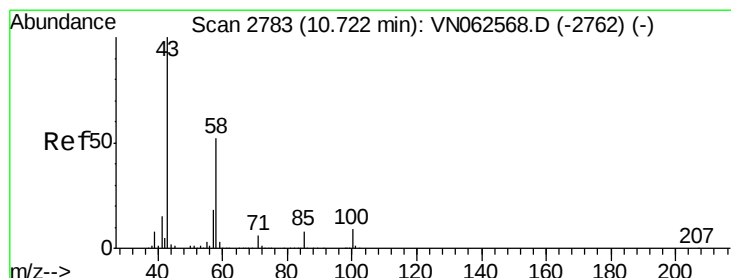
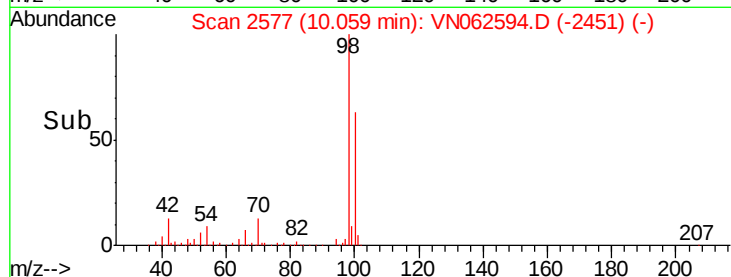


Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)



Time--> 10.00 10.05 10.10



#59

2-Hexanone

Concen: 3.005 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.04 min

Lab File: VN062594.D

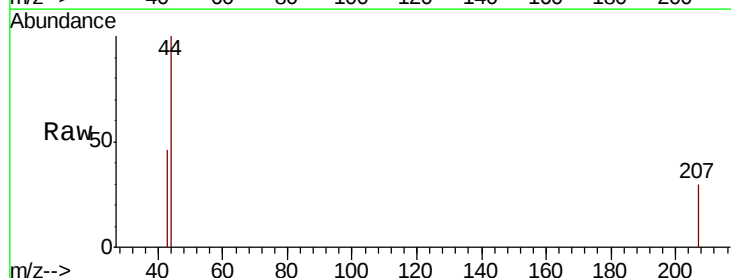
Acq: 22 Jul 2020 14:47

Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

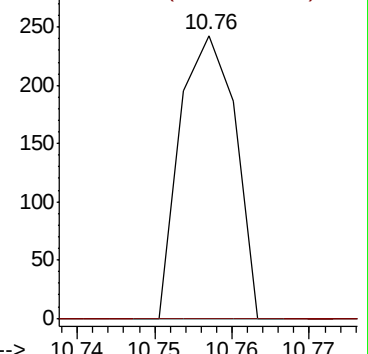
43 100

58 0.0 26.0 78.0#

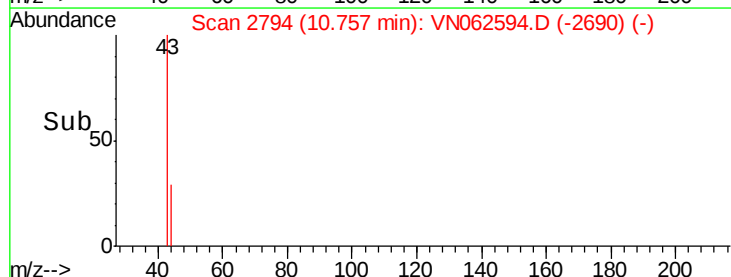


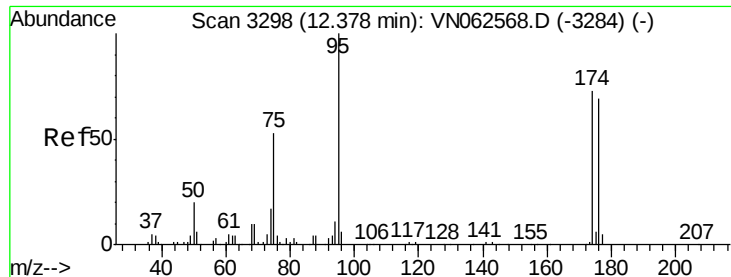
Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2762) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2762) (-)



Time--> 10.74 10.75 10.76 10.77





#62

4-Bromofluorobenzene

Concen: 48.120 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200720

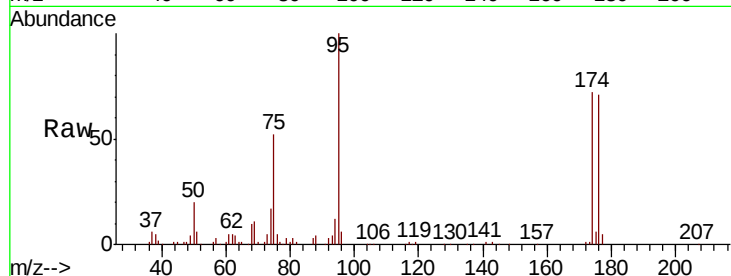
Tot Ion: 95 Resp: 139404

Ion Ratio Lower Upper

95 100

174 72.2 0.0 144.6

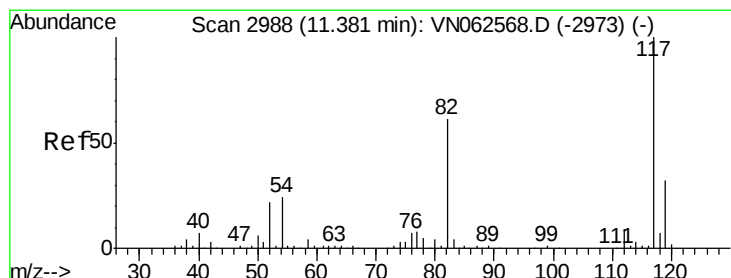
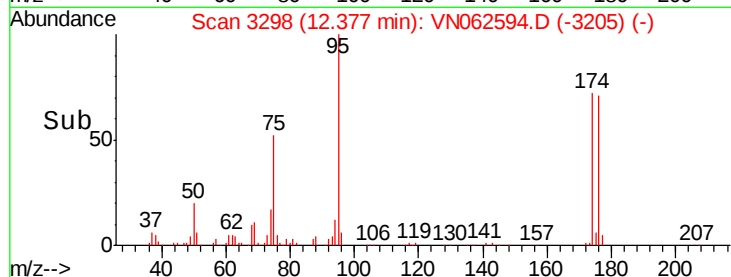
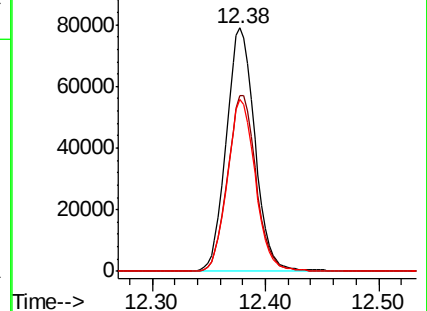
176 69.1 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062568.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062568.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062568.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

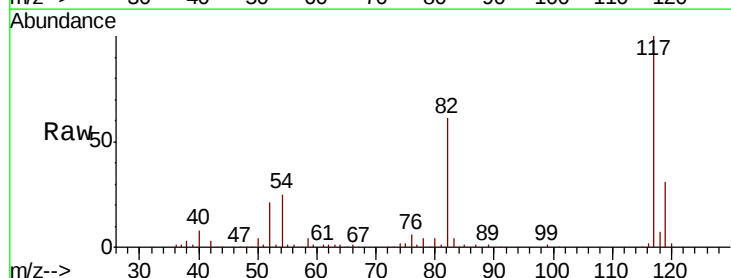
Tgt Ion: 117 Resp: 295392

Ion Ratio Lower Upper

117 100

82 61.3 49.0 73.6

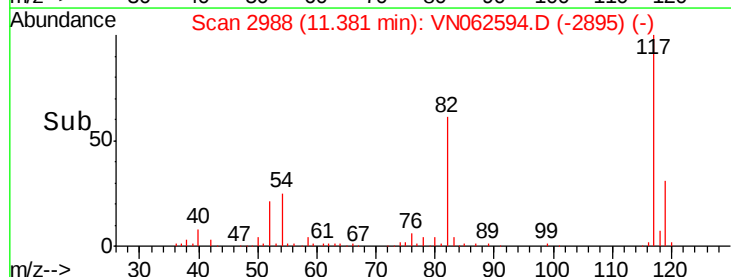
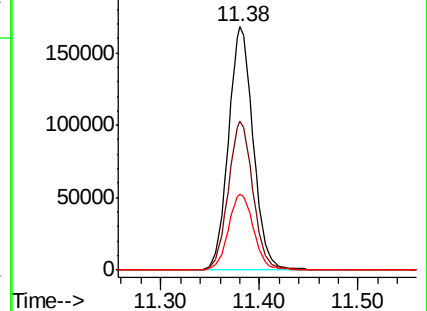
119 30.9 25.4 38.2

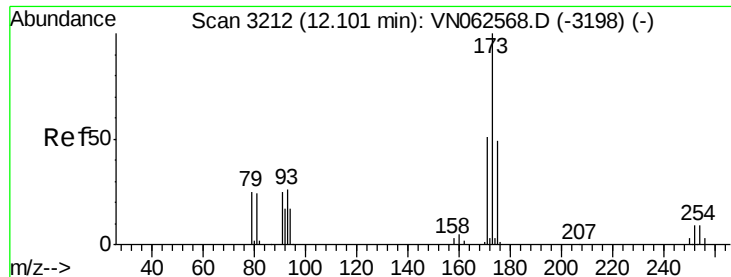


Abundance Ion 116.90 (116.60 to 117.60): VN062568.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062568.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062568.D (-2973) (-)





#71

Bromoform

Concen: 0.248 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200720

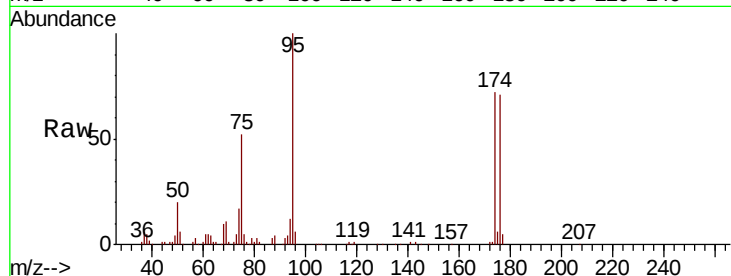
Tot Ion:173 Resp: 433

Ion Ratio Lower Upper

173 100

175 1409.7 24.1 72.2#

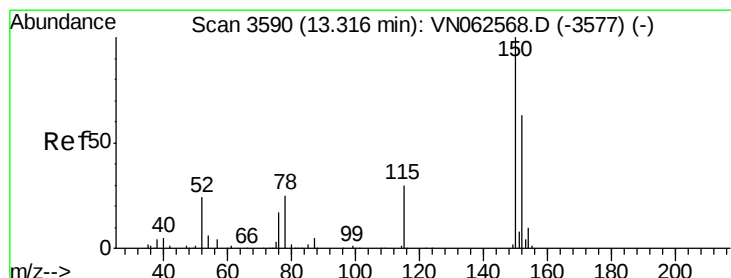
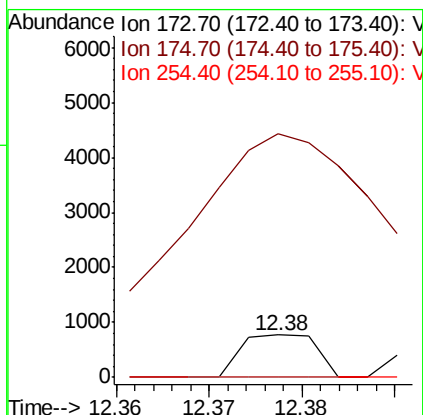
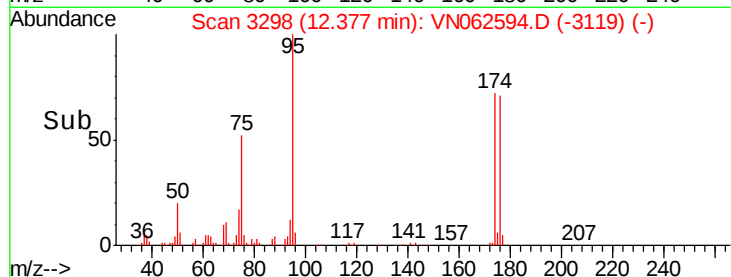
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

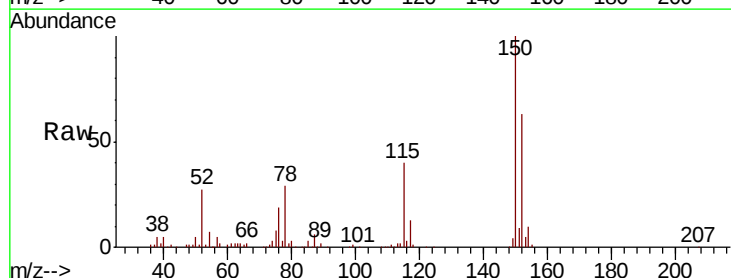
Tgt Ion:152 Resp: 104194

Ion Ratio Lower Upper

152 100

115 63.0 31.8 95.4

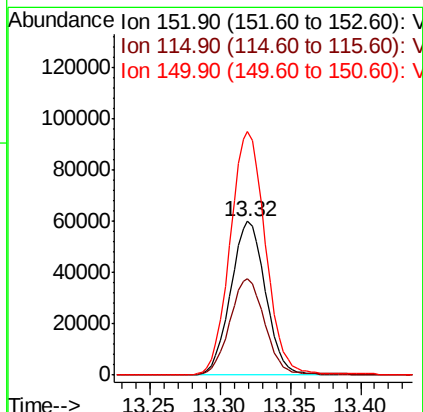
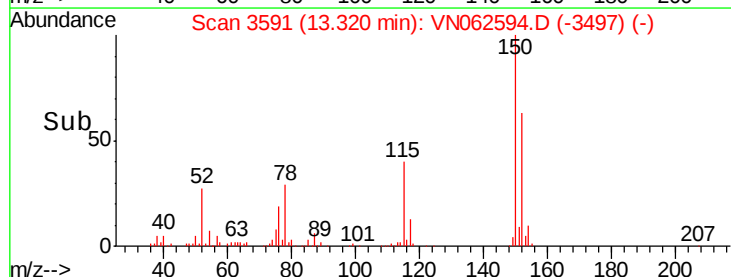
150 161.2 0.0 351.4

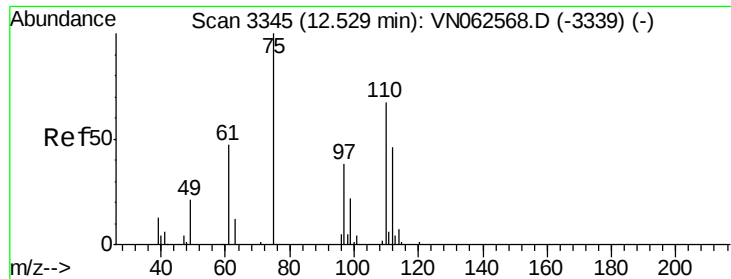


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.222 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

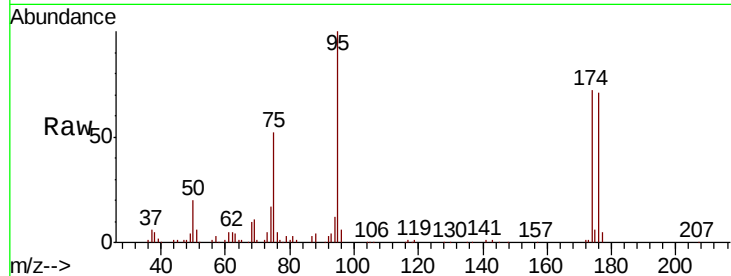
KY038PS034-200720

Tot Ion: 75 Resp: 72196

Ion Ratio Lower Upper

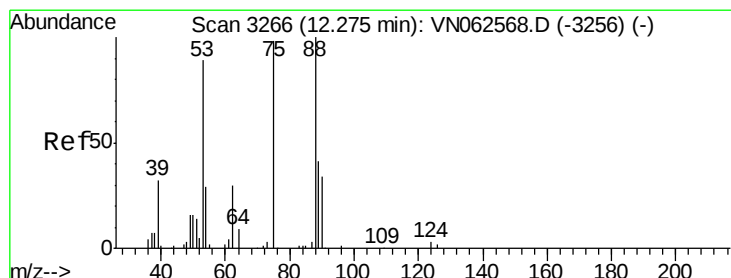
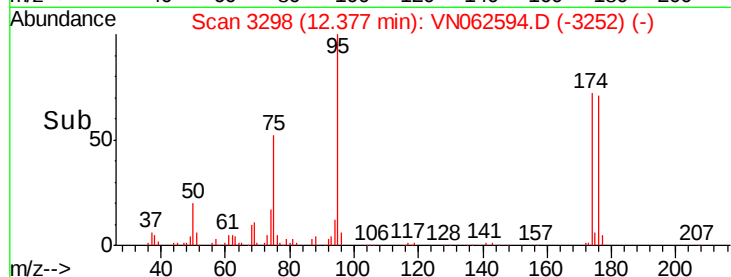
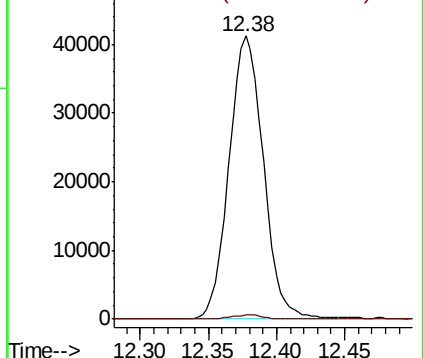
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.780 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062594.D

Acq: 22 Jul 2020 14:47

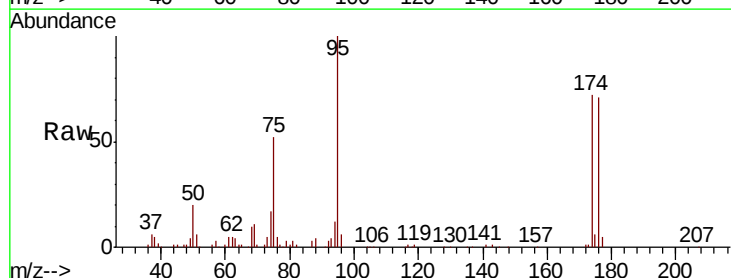
Tgt Ion: 75 Resp: 72196

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

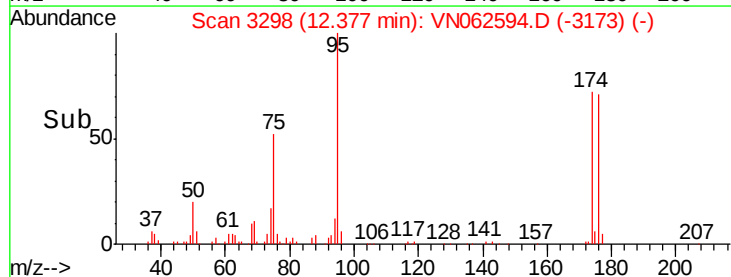
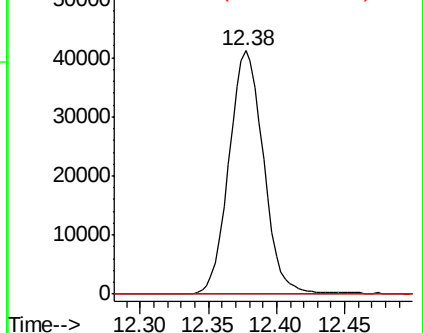
89 0.0 34.5 51.7#

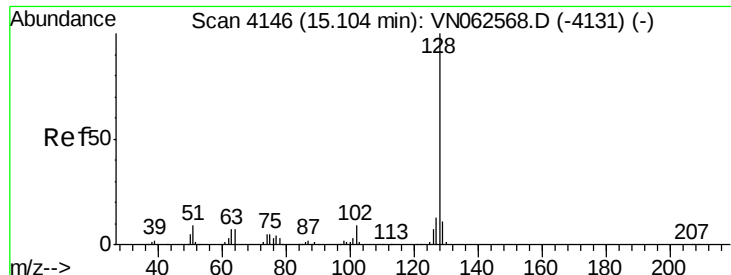


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.799 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062594.D

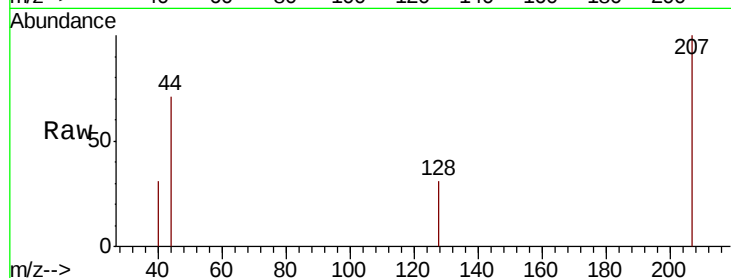
Acq: 22 Jul 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200720



Tot Ion:128 Resp: 187

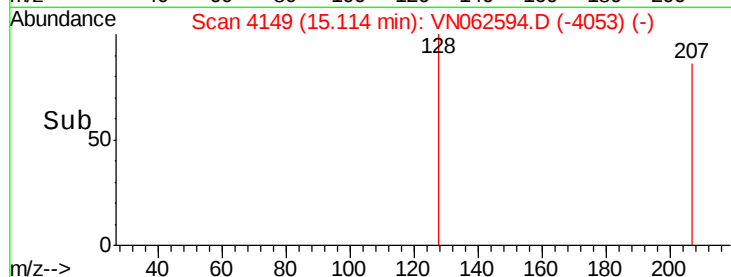
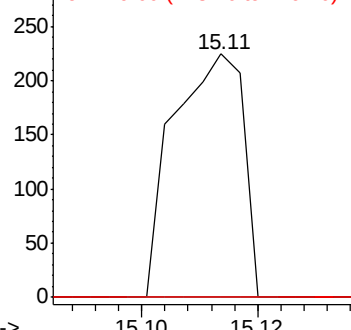
Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->