

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051520\
 Data File : VN061411.D
 Acq On : 15 May 2020 15:06
 Operator : JC/MD
 Sample : VN0515WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 16 00:22:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	14753	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	85205	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	72652	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	39971	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.38	95	32558	26.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.50%
63) Toluene-d8	10.06	98	106768	31.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.80%

Target Compounds

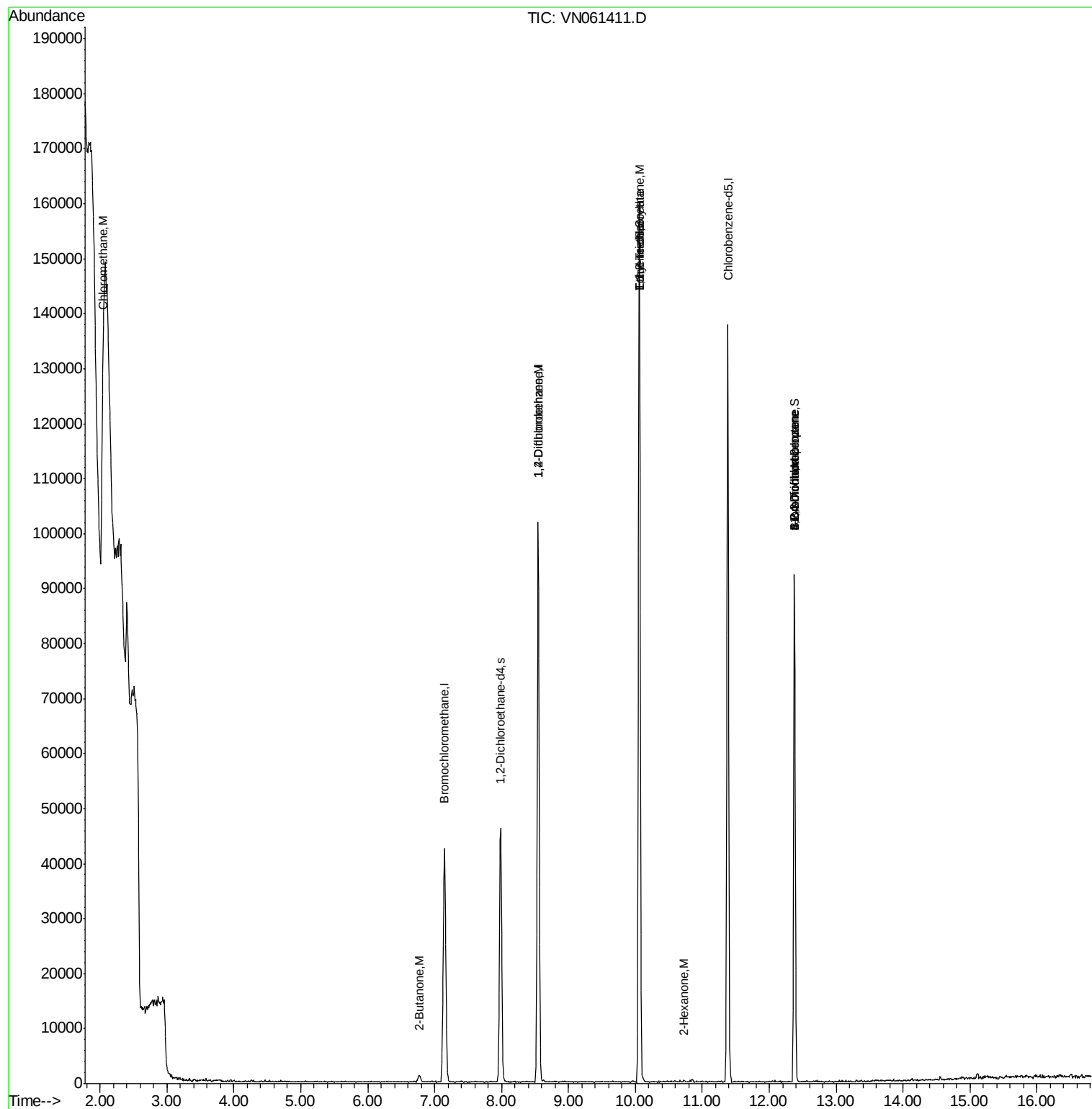
					Ovalue	
3) Chloromethane	2.03	50	648	0.528	ug/l #	42
30) 2-Butanone	6.77	43	145	0.229	ug/l #	57
36) 1,2-Dichloroethane	8.55	62	3274	2.016	ug/l #	77
50) 1,1,2-Trichloroethane	10.07	97	3625	3.650	ug/l #	1
51) Ethyl methacrylate	10.06	69	407	0.238	ug/l #	54
56) Bromoform	12.38	173	265	0.387	ug/l #	1
59) 2-Hexanone	10.73	43	245	0.262	ug/l #	35
72) 1,2,3-Trichloropropane	12.38	75	18836	15.485	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	18836	37.206	ug/l #	10

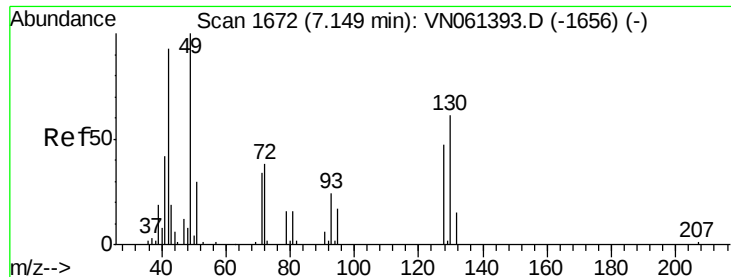
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051520\
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 16 00:22:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061411.D

Acq: 15 May 2020 15:06

Instrument :
MSVOA_N
ClientSampled :

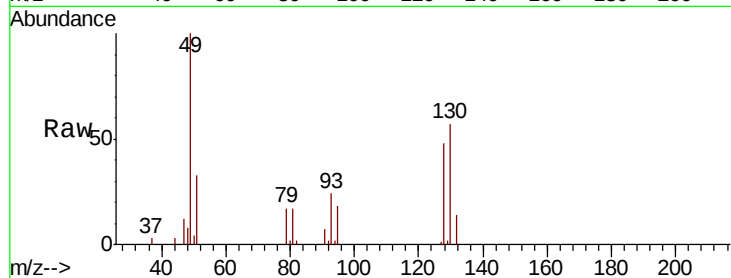
Tot Ion:128 Resp: 14753

Ion Ratio Lower Upper

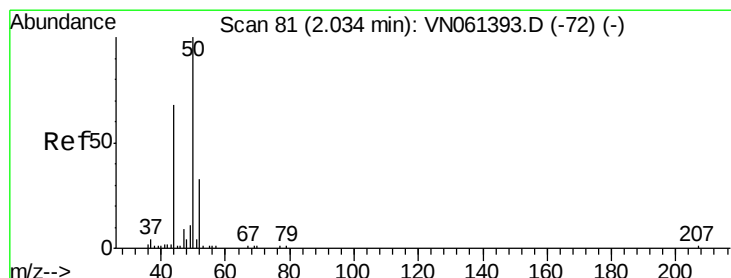
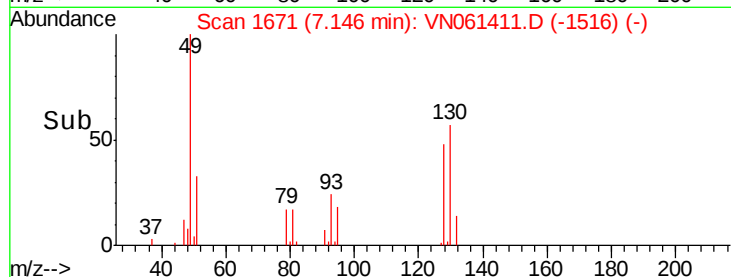
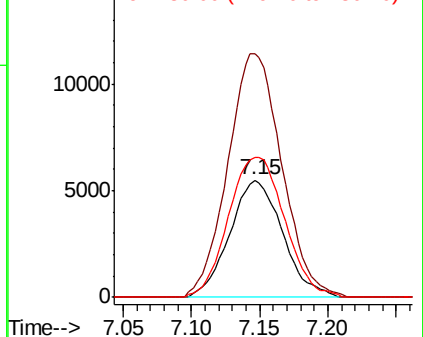
128 100

49 212.9 0.0 453.5

130 127.6 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.528 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061411.D

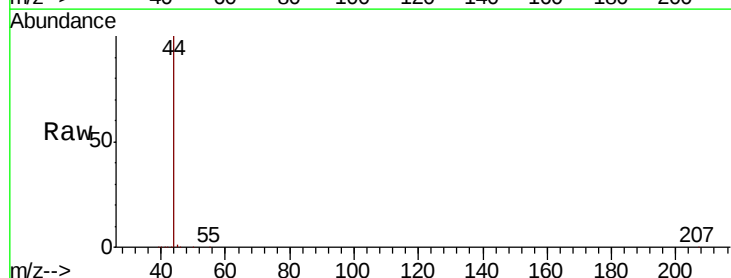
Acq: 15 May 2020 15:06

Tgt Ion: 50 Resp: 648

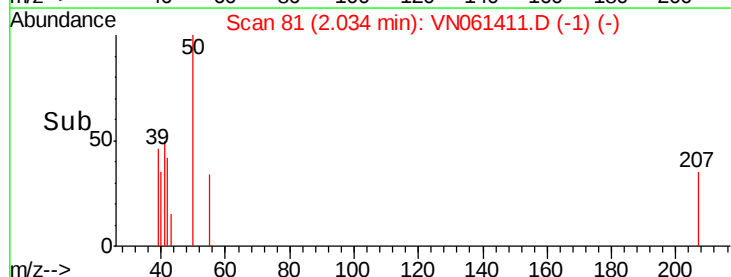
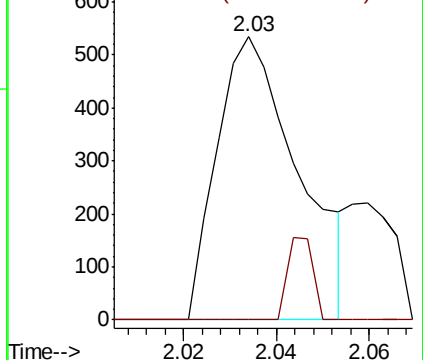
Ion Ratio Lower Upper

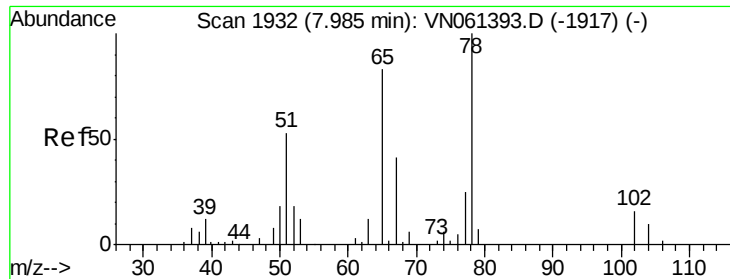
50 100

52 0.0 25.8 38.8#



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN





#27

1,2-Dichloroethane-d4

Concen: 30.254 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061411.D

Acq: 15 May 2020 15:06

Instrument :

MSVOA_N

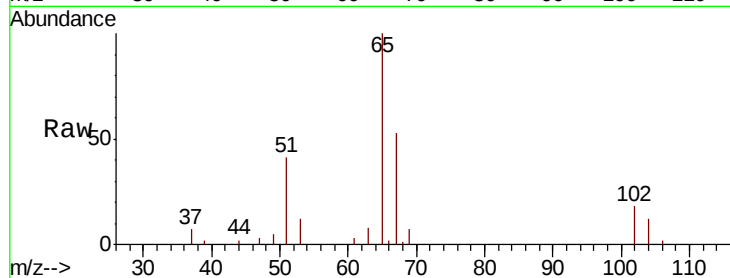
ClientSampleId :

Tot Ion: 65 Resp: 39971

Ion Ratio Lower Upper

65 100

67 52.3 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN061411.D (-1776) (-)

Ion 67.00 (66.70 to 67.70): VN061411.D (-1776) (-)

7.99

15000

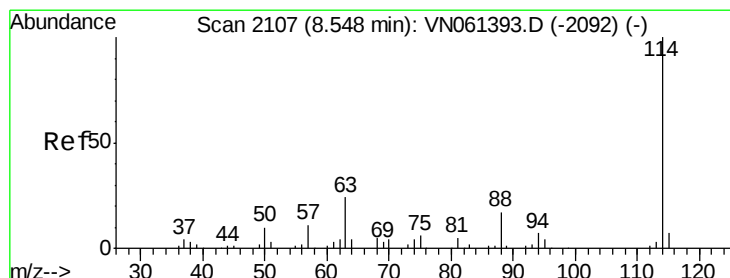
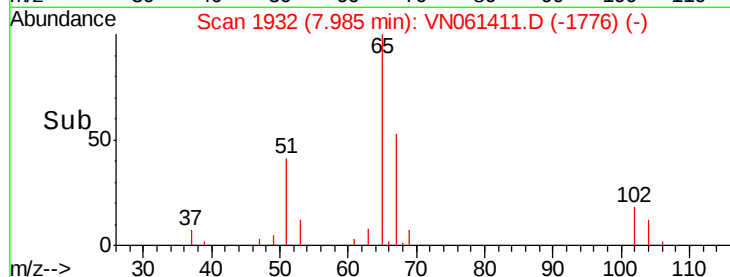
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VN061411.D

Acq: 15 May 2020 15:06

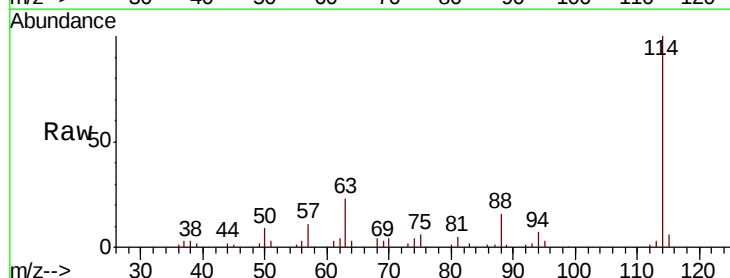
Tgt Ion: 114 Resp: 85205

Ion Ratio Lower Upper

114 100

63 23.6 18.1 27.1

88 16.5 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): VN061411.D (-1951) (-)

Ion 63.00 (62.70 to 63.70): VN061411.D (-1951) (-)

Ion 88.00 (87.70 to 88.70): VN061411.D (-1951) (-)

8.55

50000

40000

30000

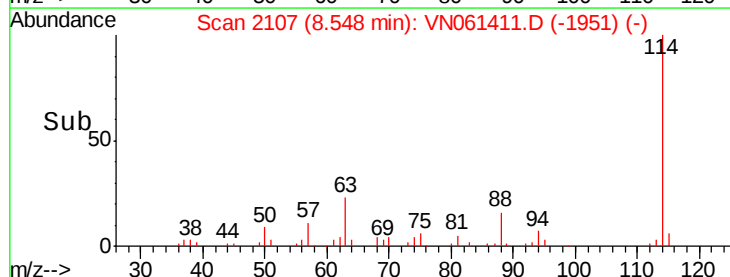
20000

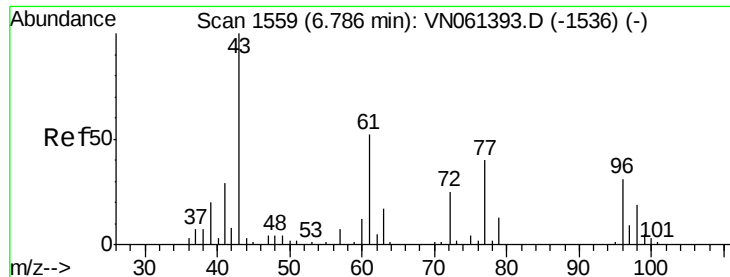
10000

0

Time-->

8.45 8.50 8.55 8.60 8.65

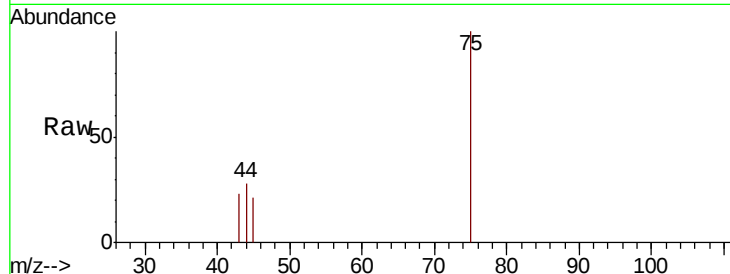




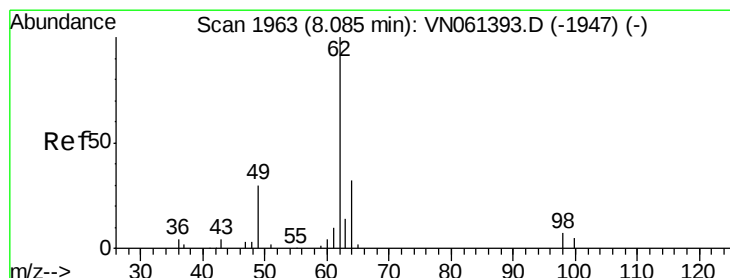
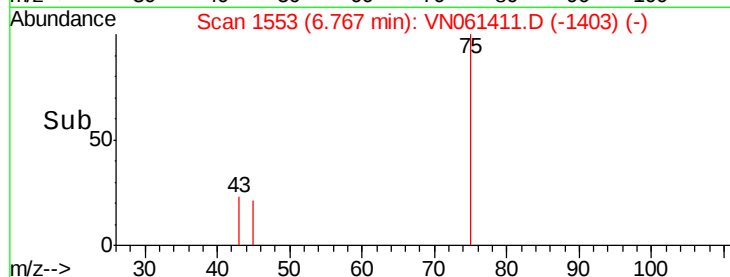
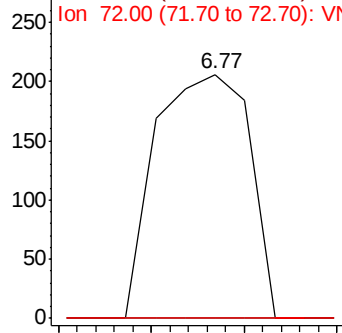
#30
2-Butanone
Concen: 0.229 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VN061411.D
Acq: 15 May 2020 15:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
57 0.0 6.5 9.7#
72 0.0 20.1 30.1#

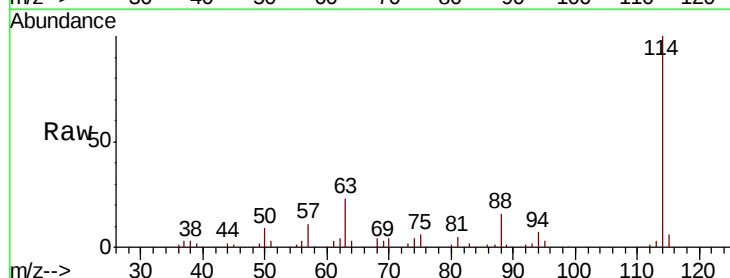


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

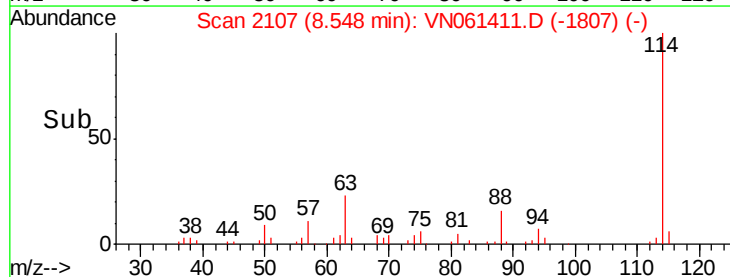
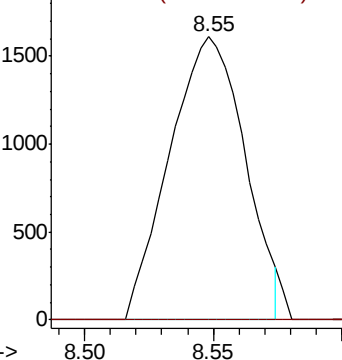


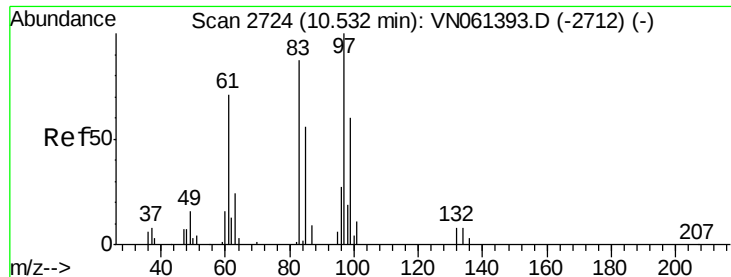
#36
1,2-Dichloroethane
Concen: 2.016 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. 0.46 min
Lab File: VN061411.D
Acq: 15 May 2020 15:06

Tgt Ion: 62 Resp: 3274
Ion Ratio Lower Upper
62 100
98 0.0 6.4 9.6#



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

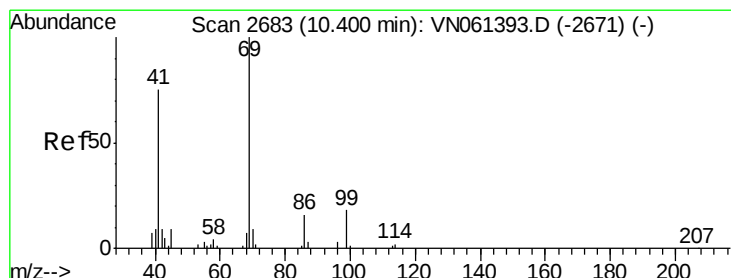
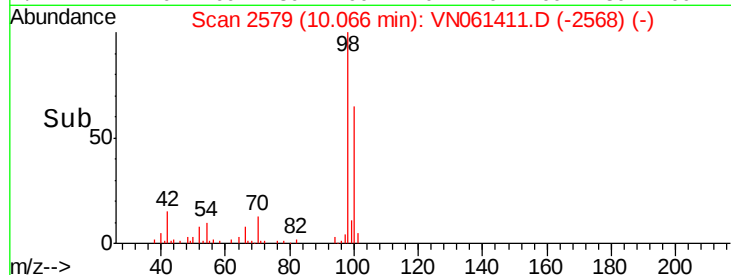
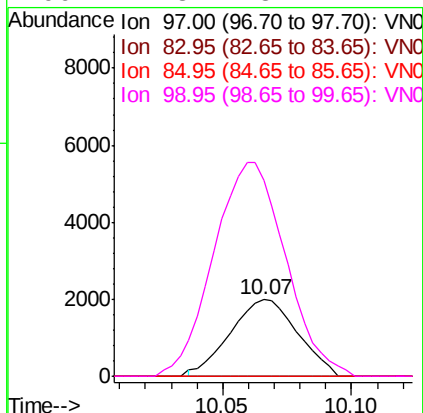
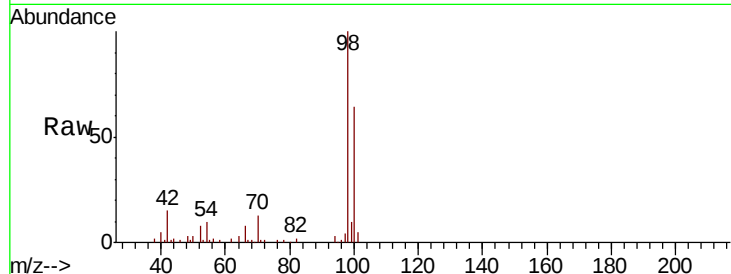




#50
 1,1,2-Trichloroethane
 Concen: 3.650 ug/l
 RT: 10.07 min Scan# 2579
 Delta R.T. -0.47 min
 Lab File: VN061411.D
 Acq: 15 May 2020 15:06

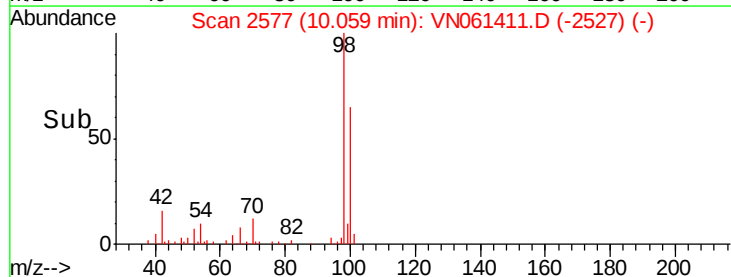
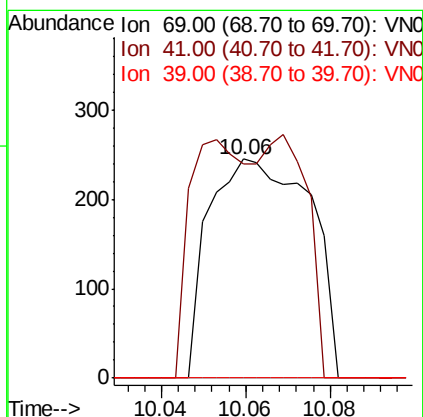
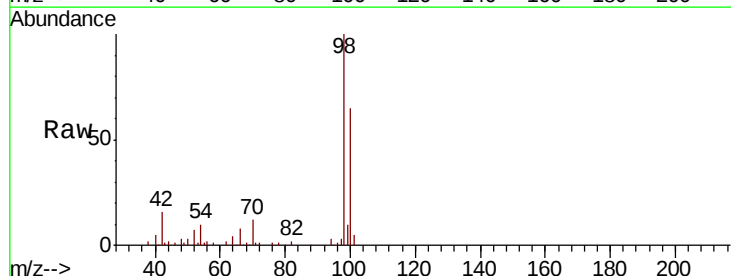
Instrument :
 MSVOA_N
 ClientSampleId :

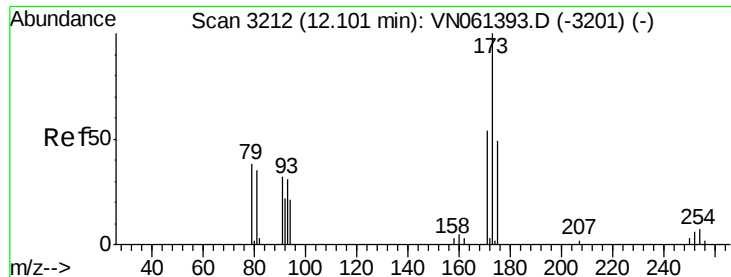
Tot Ion	Ratio	Lower	Upper
97	100		
83	0.0	70.7	106.1#
85	0.0	45.1	67.7#
99	242.3	48.2	72.4#



#51
 Ethyl methacrylate
 Concen: 0.238 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.34 min
 Lab File: VN061411.D
 Acq: 15 May 2020 15:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	97.6	34.7	104.1
39	0.0	20.3	60.8#





#56

Bromoform

Concen: 0.387 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061411.D

Acq: 15 May 2020 15:06

Instrument :

MSVOA_N

ClientSampled :

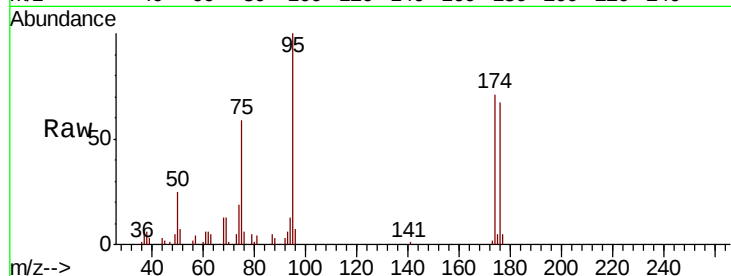
Tot Ion:173 Resp: 265

Ion Ratio Lower Upper

173 100

175 602.6 38.7 58.1#

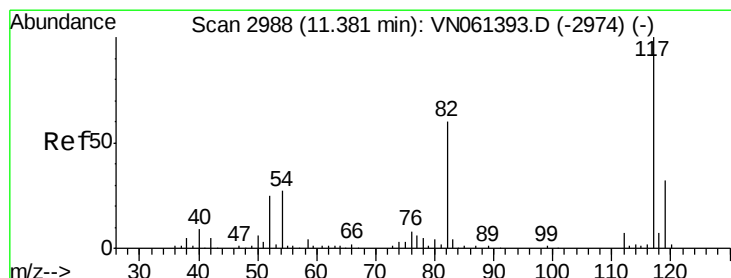
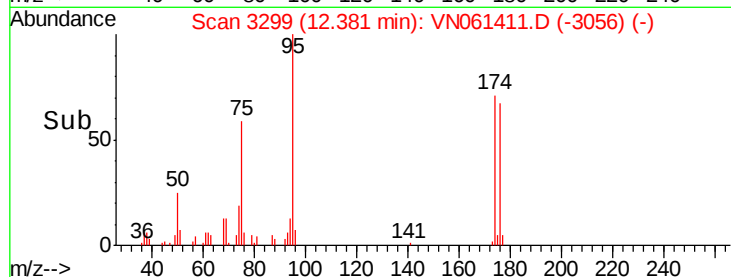
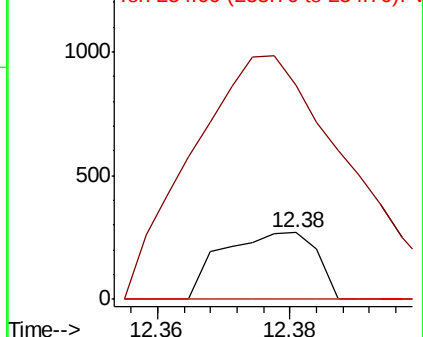
254 0.0 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061411.D

Acq: 15 May 2020 15:06

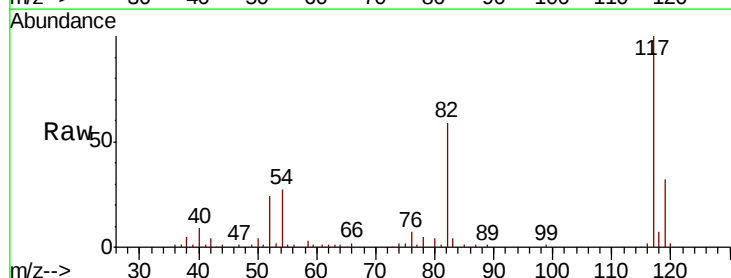
Tgt Ion:117 Resp: 72652

Ion Ratio Lower Upper

117 100

82 61.3 46.9 70.3

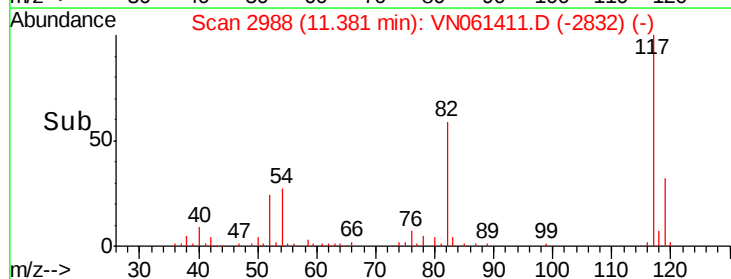
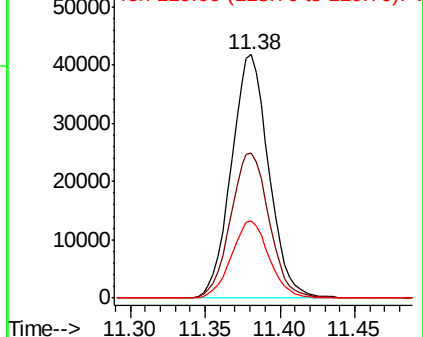
119 31.9 25.8 38.6

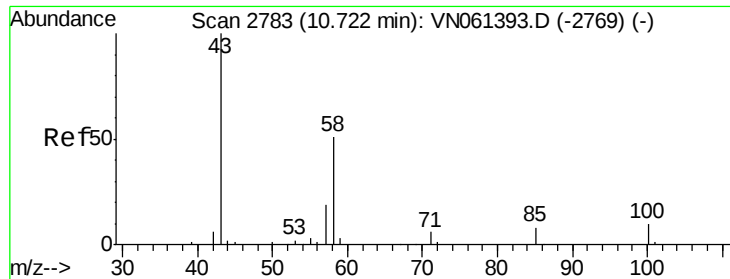


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#59

2-Hexanone

Concen: 0.262 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. 0.01 min

Lab File: VN061411.D

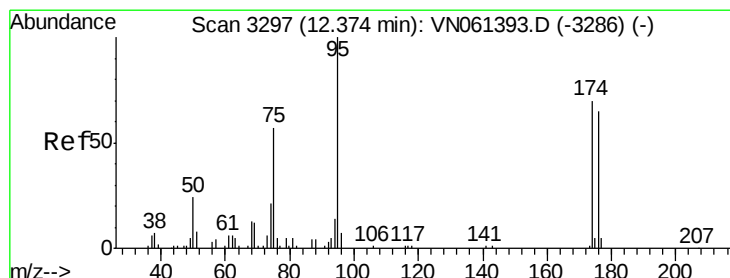
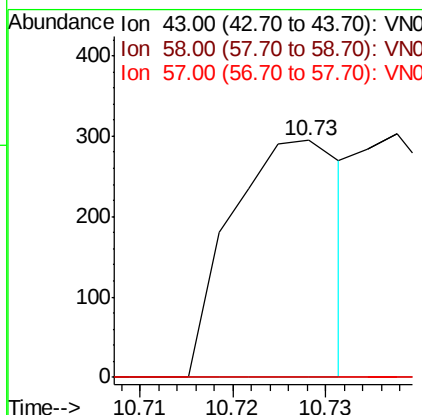
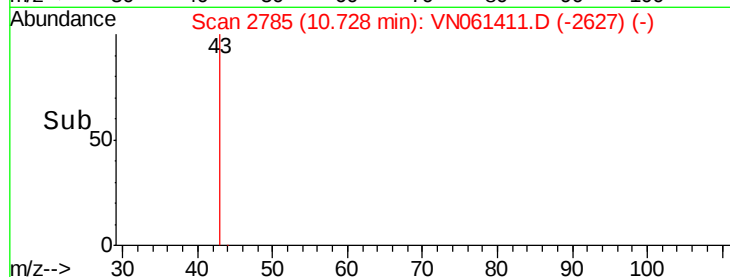
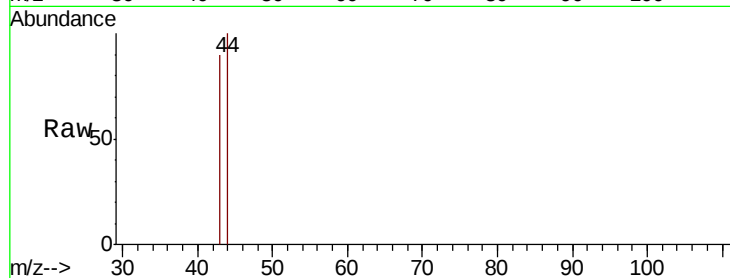
Acq: 15 May 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	245
Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.4	62.0#
57	0.0	14.7	22.1#



#60

4-Bromofluorobenzene

Concen: 26.249 ug/l

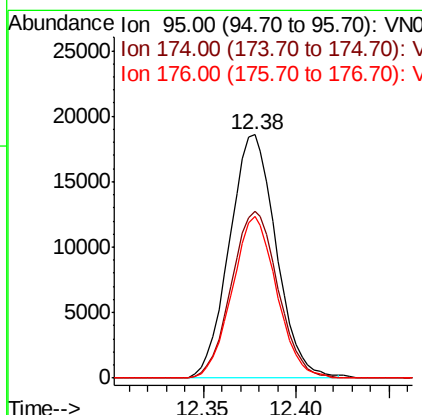
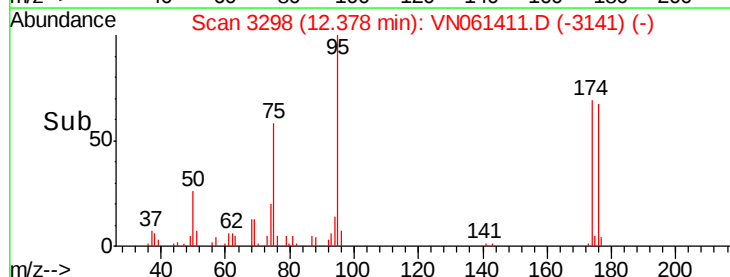
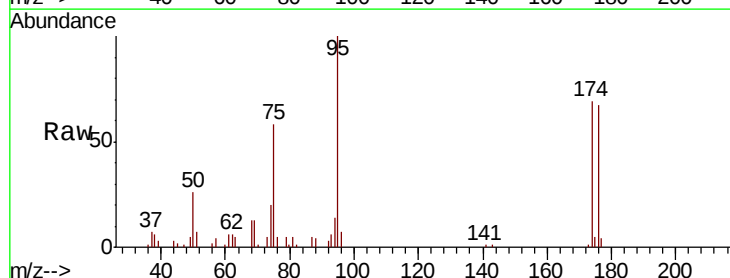
RT: 12.38 min Scan# 3298

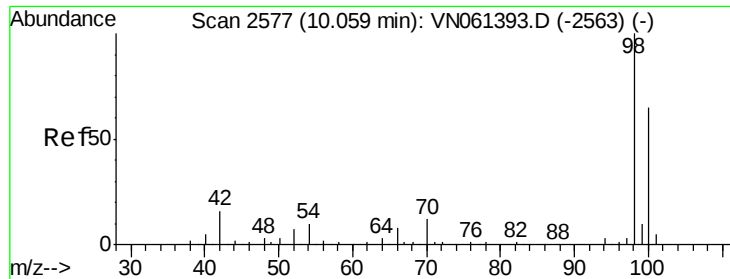
Delta R.T. 0.00 min

Lab File: VN061411.D

Acq: 15 May 2020 15:06

Tgt Ion:	95	Resp:	32558
Ion	Ratio	Lower	Upper
95	100		
174	68.4	59.9	89.9
176	63.2	58.3	87.5





#63

Toluene-d8

Concen: 31.739 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061411.D

Acq: 15 May 2020 15:06

Instrument :

MSVOA_N

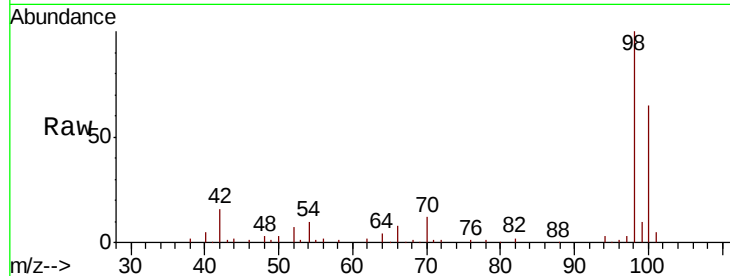
ClientSampleId :

Tot Ion: 98 Resp: 106768

Ion Ratio Lower Upper

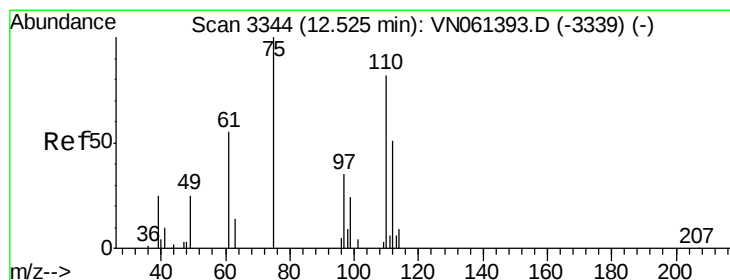
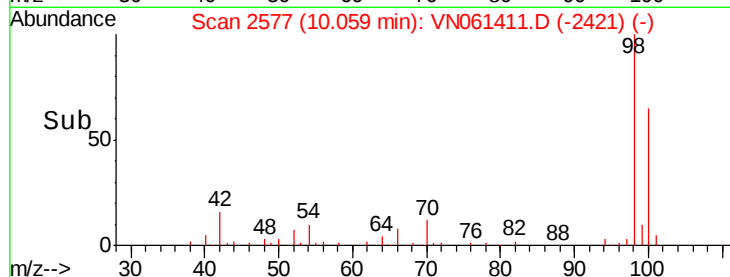
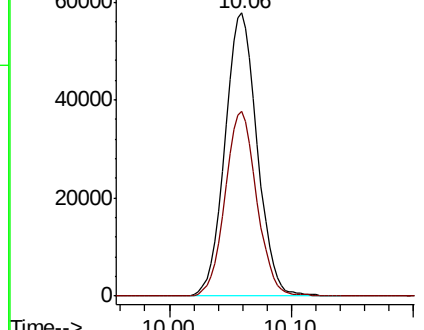
98 100

100 64.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061393.D (-2563) (-)



#72

1,2,3-Trichloropropane

Concen: 15.485 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061411.D

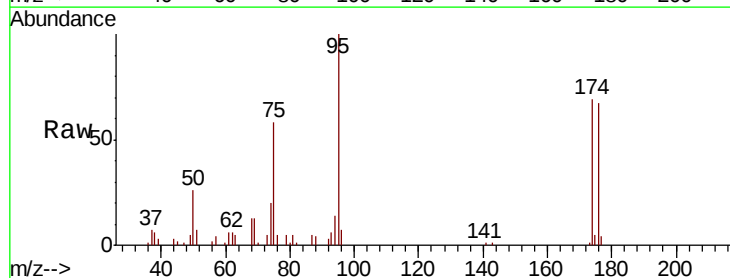
Acq: 15 May 2020 15:06

Tgt Ion: 75 Resp: 18836

Ion Ratio Lower Upper

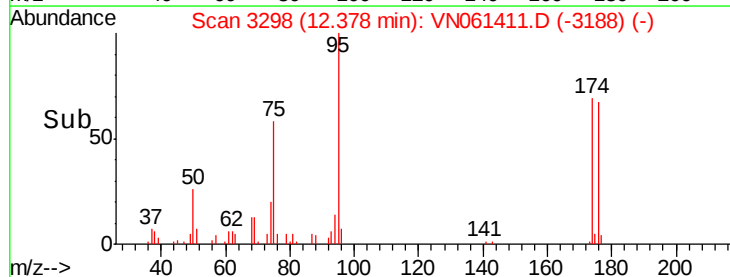
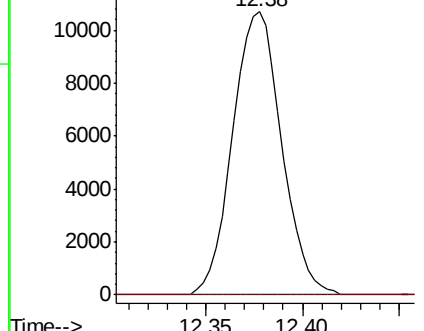
75 100

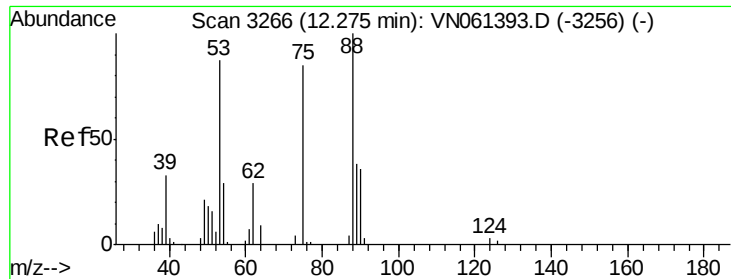
77 0.0 0.0 359.4



Abundance Ion 75.00 (74.70 to 75.70): VN061393.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN061393.D (-3339) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 37.206 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN061411.D
Acq: 15 May 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 18836
Ion Ratio Lower Upper
75 100
53 0.0 50.0 150.0#
89 0.0 20.7 62.1#

