

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062426.D
 Acq On : 8 Jul 2020 23:58
 Operator : JC/MD
 Sample : L3215-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Jul 09 02:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	179293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	321034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	308338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	141865	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.55	113	102853	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	10.06	98	413088	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.38	95	146941	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

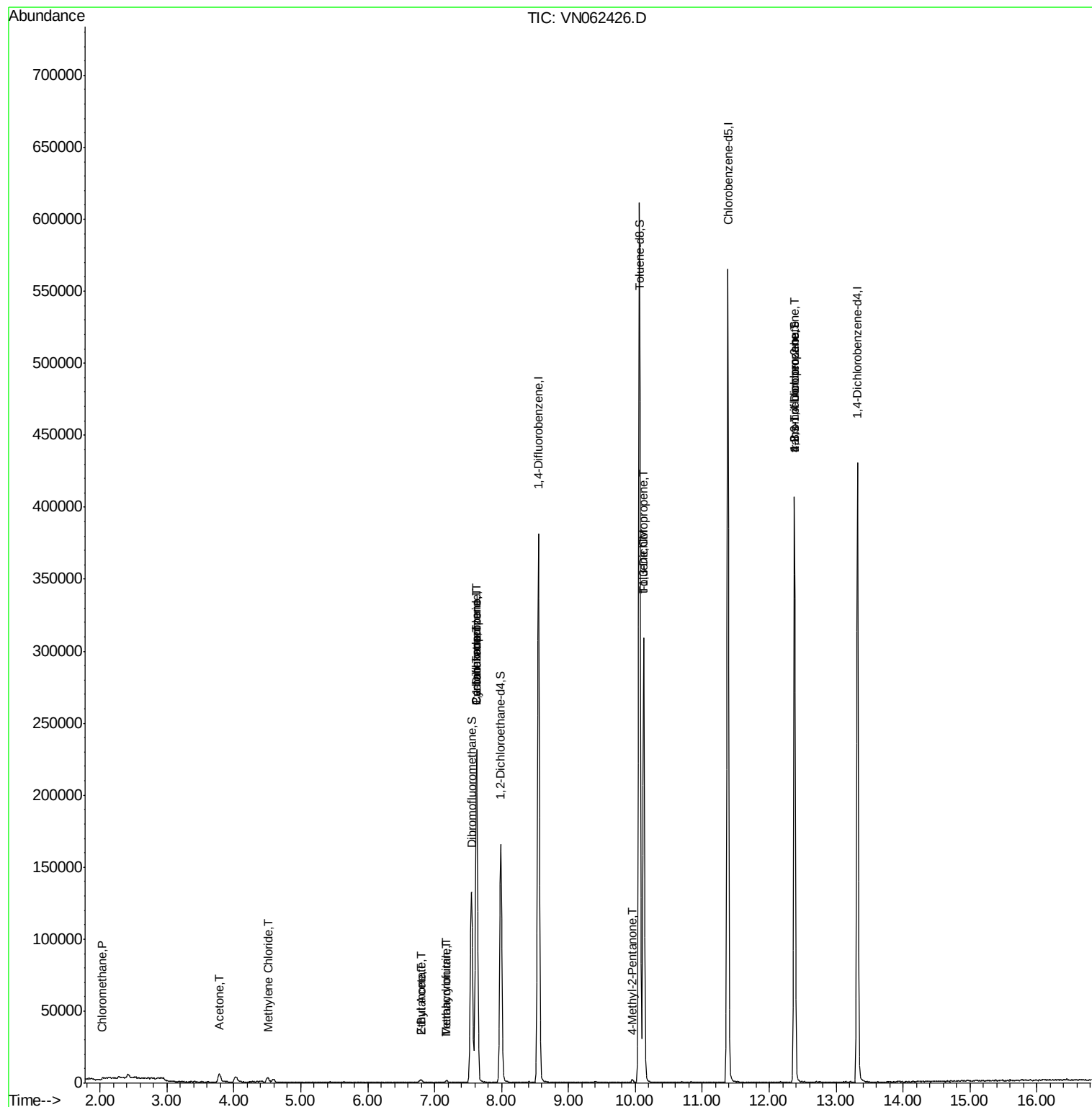
						Qvalue
3) Chloromethane	2.03	50	949	0.324	ug/l	96
16) Acetone	3.78	43	10481	8.952	ug/l	100
20) Methylene Chloride	4.51	84	2642	1.055	ug/l	91
25) 2-Butanone	6.81	43	2380	1.392	ug/l	99
29) Tetrahydrofuran	7.17	42	1510	1.312	ug/l #	55
31) Cyclohexane	7.63	56	4393	1.049	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15764	4.874	ug/l #	50
37) Ethyl Acetate	6.81	43	2380	0.629	ug/l #	70
38) Carbon Tetrachloride	7.63	117	18607	6.399	ug/l #	17
41) Methacrylonitrile	7.17	41	743	0.470	ug/l #	22
51) 4-Methyl-2-Pentanone	9.96	43	1796	0.503	ug/l	91
52) Toluene	10.13	92	128811	23.394	ug/l	100
53) t-1,3-Dichloropropene	10.13	75	1523	0.407	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	78375	28.980	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78375	77.568	ug/l #	10
95) Naphthalene	15.11	128	500	Below Cal	#	70

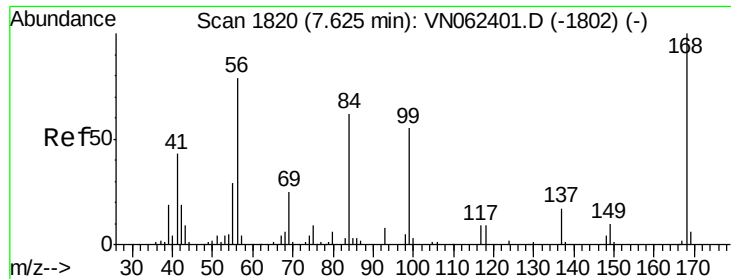
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

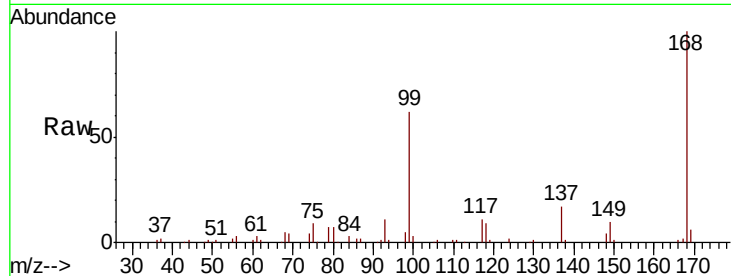
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Tot Ion:168 Resp: 179293

Ion Ratio Lower Upper

168 100

99 62.0 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

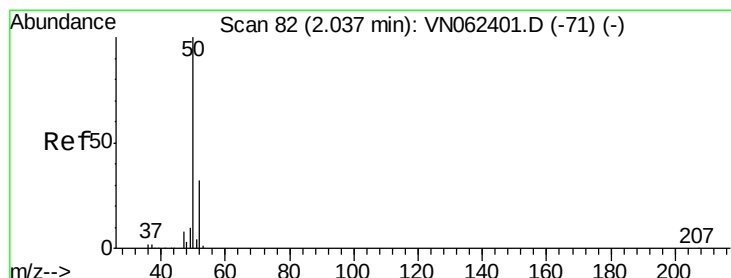
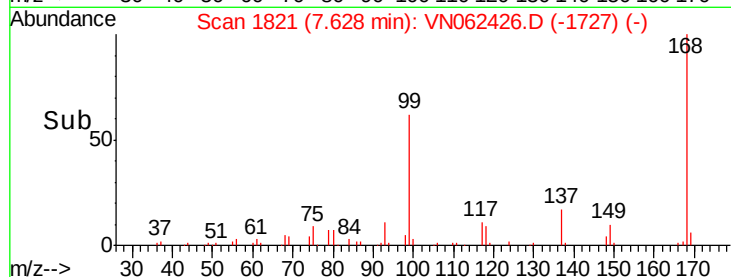
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.324 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062426.D

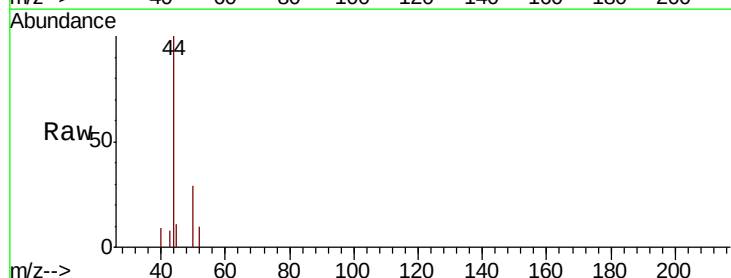
Acq: 8 Jul 2020 23:58

Tgt Ion: 50 Resp: 949

Ion Ratio Lower Upper

50 100

52 34.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

800

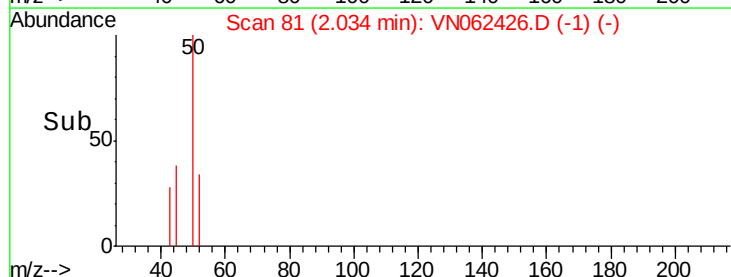
600

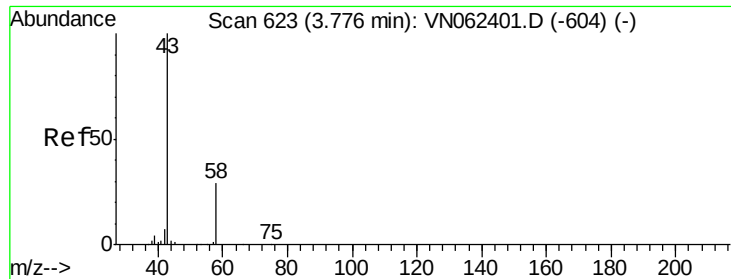
400

200

0

Time--> 2.00 2.02 2.04 2.06

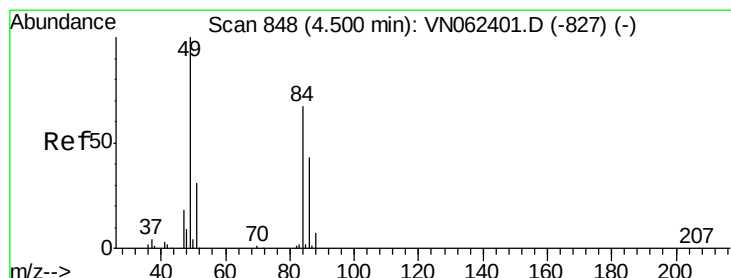
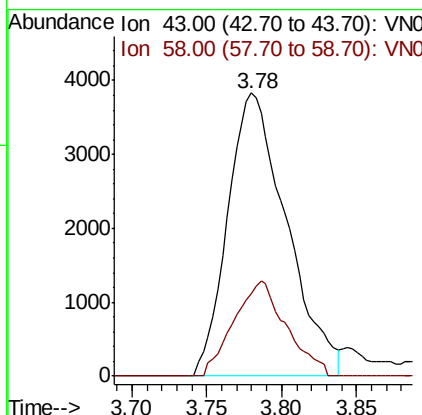
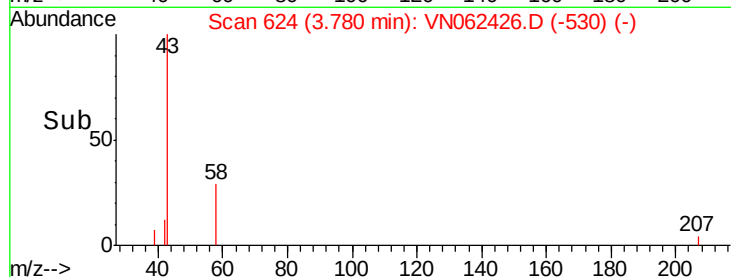
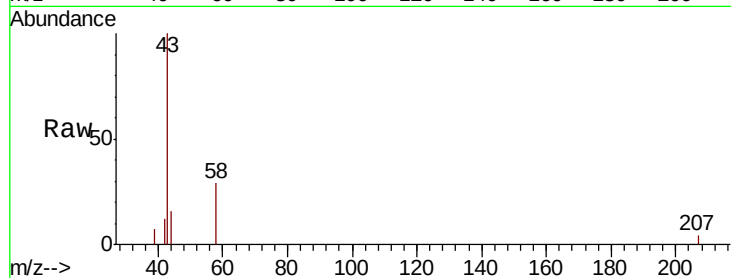




#16
Acetone
Concen: 8.952 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN062426.D
Acq: 8 Jul 2020 23:58

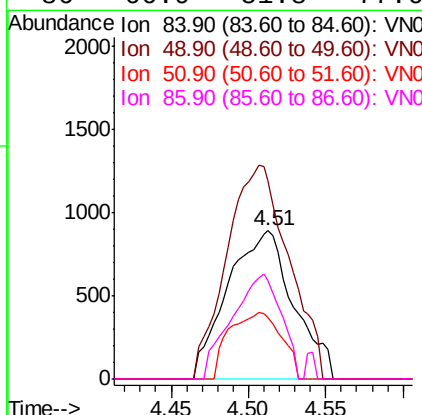
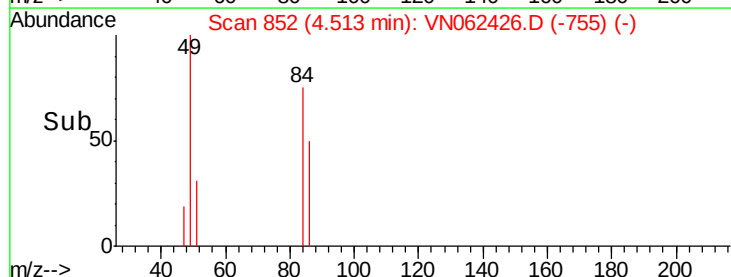
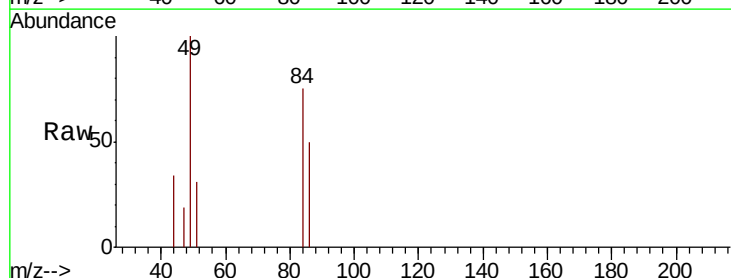
Instrument :
MSVOA_N
ClientSampled :
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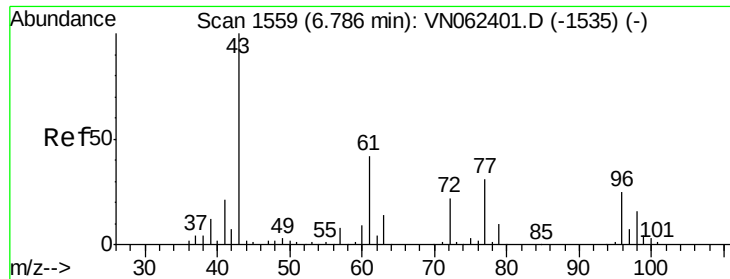
Tot Ion: 43 Resp: 10481
Ion Ratio Lower Upper
43 100
58 29.2 23.5 35.3



#20
Methylene Chloride
Concen: 1.055 ug/l
RT: 4.51 min Scan# 852
Delta R.T. 0.01 min
Lab File: VN062426.D
Acq: 8 Jul 2020 23:58

Tgt Ion: 84 Resp: 2642
Ion Ratio Lower Upper
84 100
49 133.6 120.0 180.0
51 41.8 37.0 55.6
86 66.9 51.8 77.6





#25

2-Butanone

Concen: 1.392 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.02 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

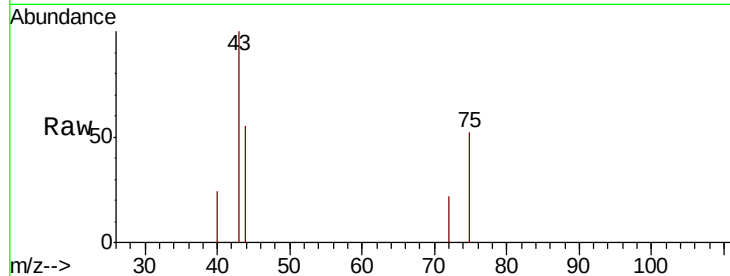
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Tot Ion: 43 Resp: 2380

Ion Ratio Lower Upper

43 100

72 21.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

800

600

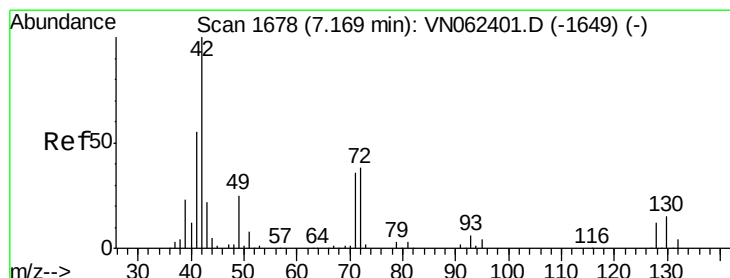
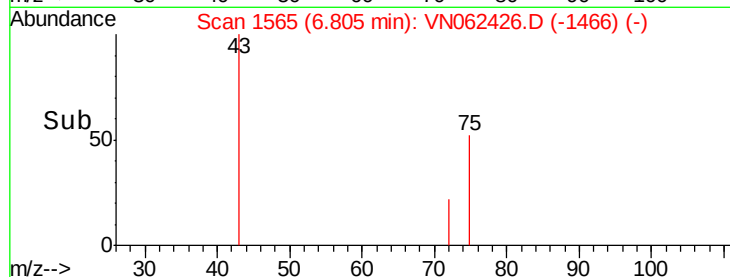
400

200

0

6.75 6.80 6.85

Time-->



#29

Tetrahydrofuran

Concen: 1.312 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

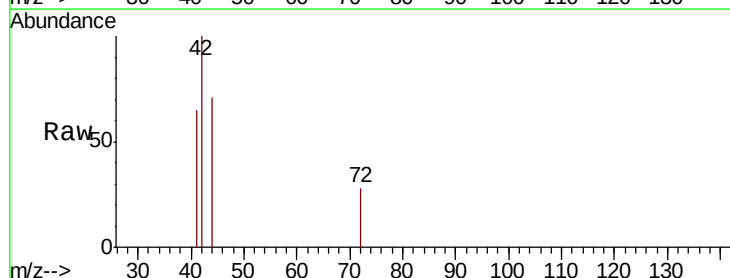
Tgt Ion: 42 Resp: 1510

Ion Ratio Lower Upper

42 100

72 14.6 29.1 43.7#

71 4.1 28.1 42.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

800

600

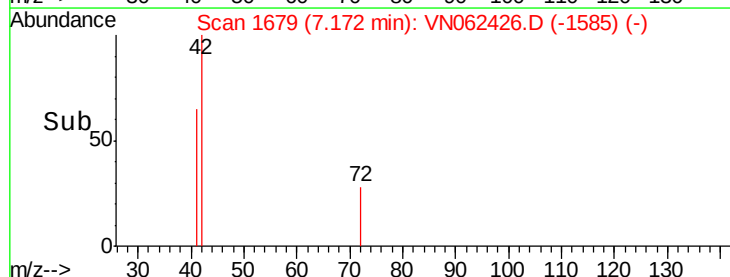
400

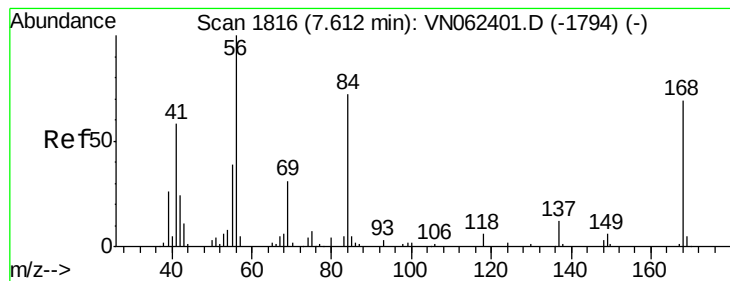
200

0

7.15 7.20

Time-->





#31

Cyclohexane

Concen: 1.049 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

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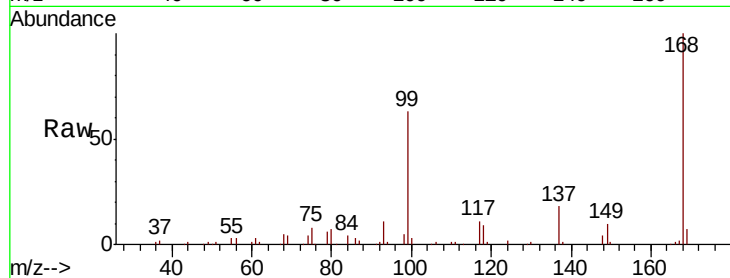
Tot Ion: 56 Resp: 4393

Ion Ratio Lower Upper

56 100

69 156.5 24.5 36.7#

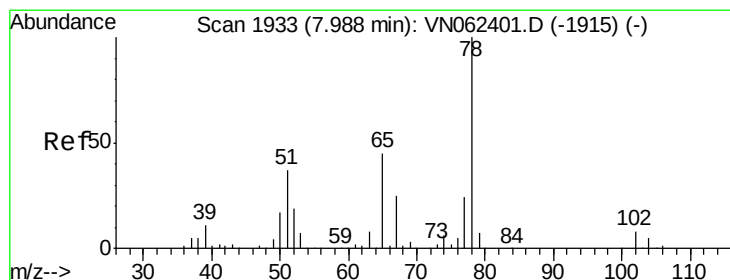
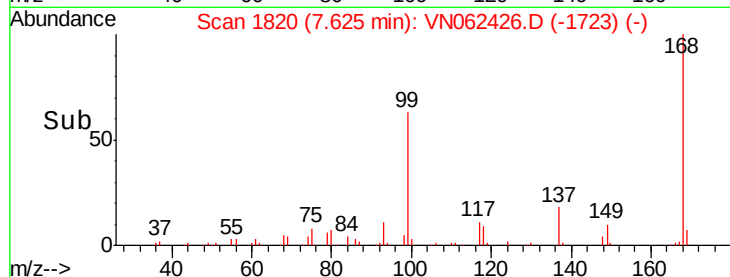
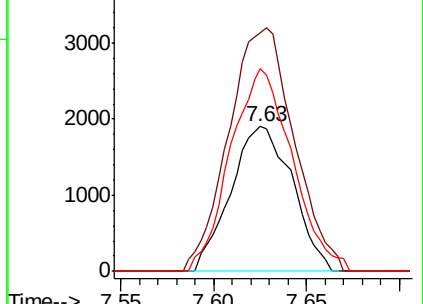
84 140.4 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN062401.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062401.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062401.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.442 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062426.D

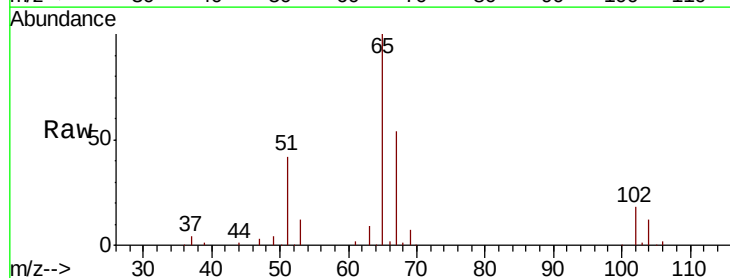
Acq: 8 Jul 2020 23:58

Tgt Ion: 65 Resp: 141865

Ion Ratio Lower Upper

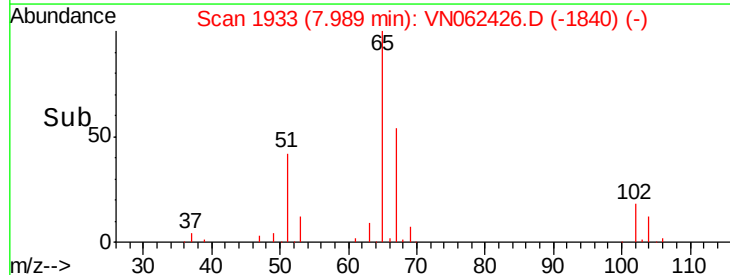
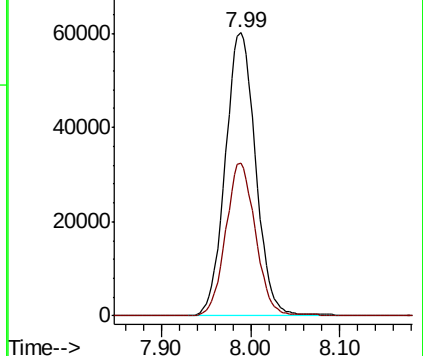
65 100

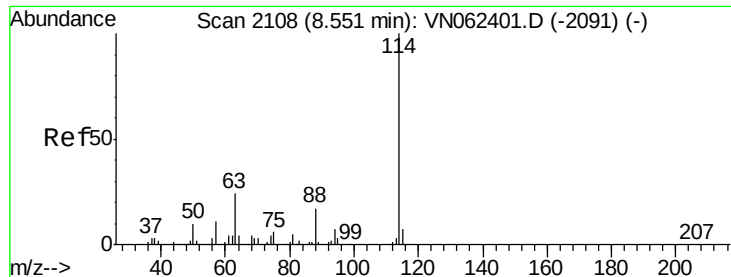
67 52.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062401.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062401.D (-1915) (-)

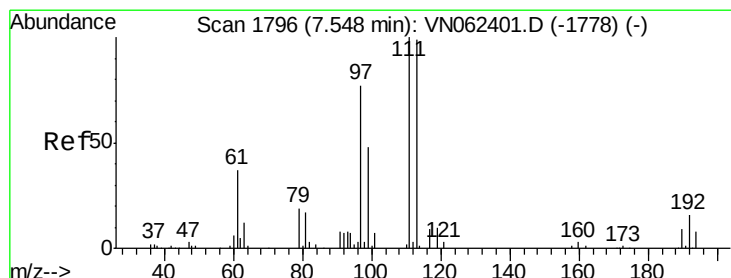
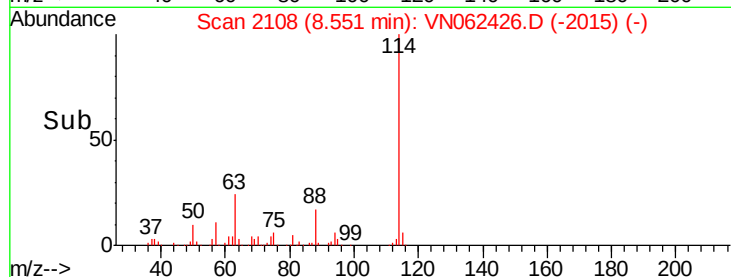
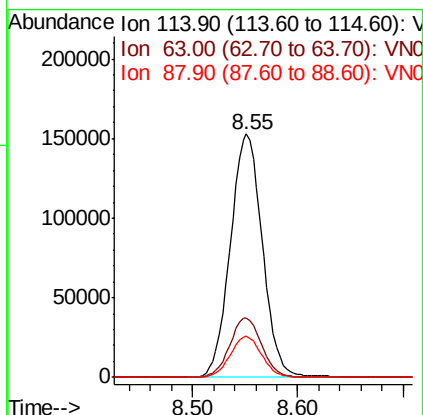
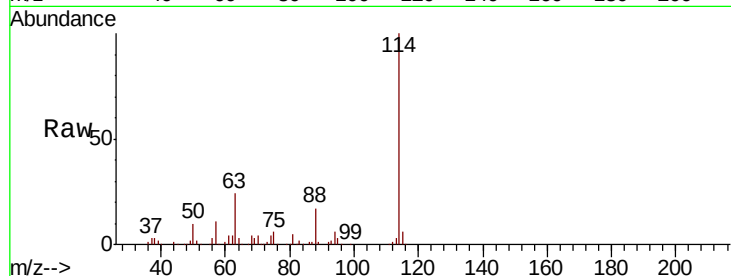




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062426.D
 Acq: 8 Jul 2020 23:58

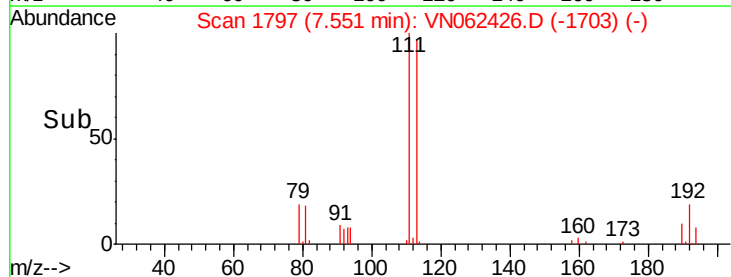
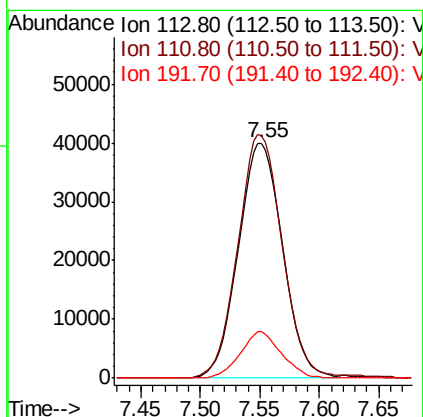
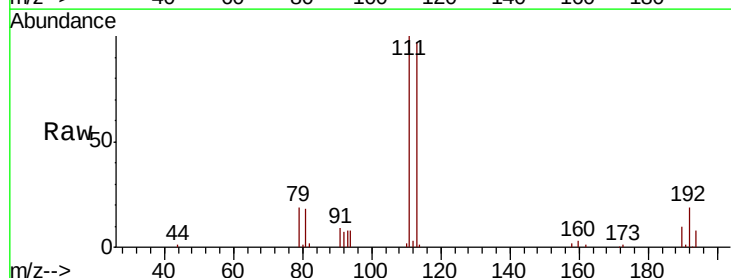
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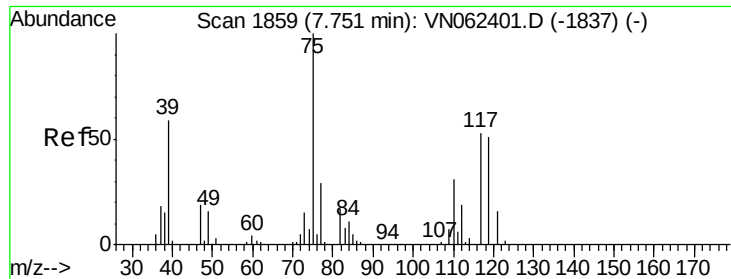
Tot Ion:114 Resp: 321034
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.4
 88 16.9 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 51.830 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062426.D
 Acq: 8 Jul 2020 23:58

Tgt Ion:113 Resp: 102853
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.1 124.7
 192 18.3 14.1 21.1

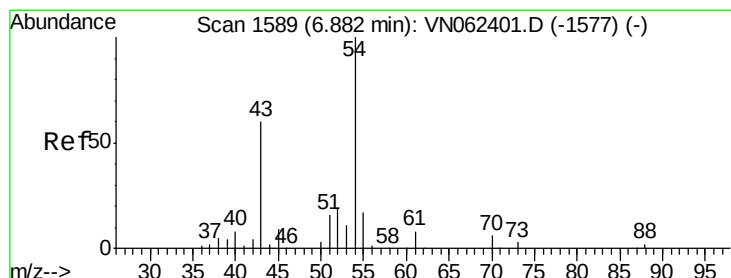
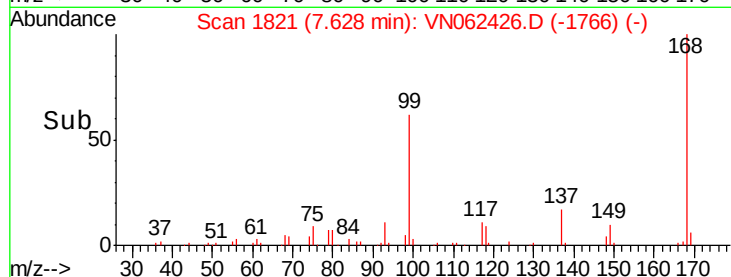
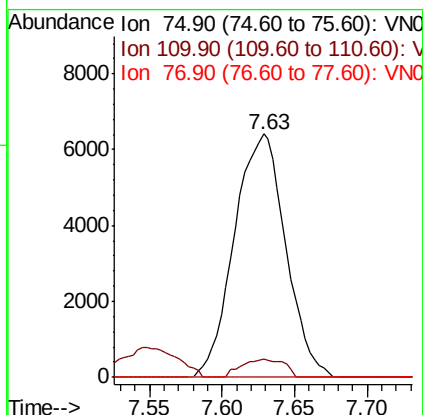
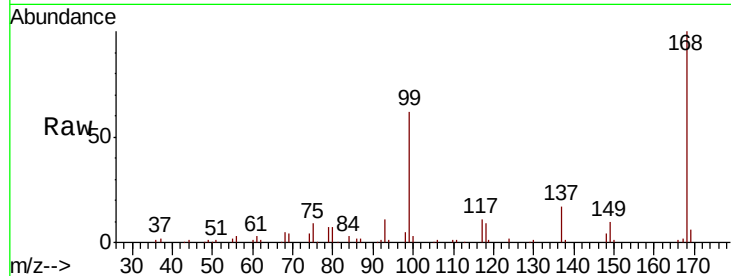




#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062426.D
 Acq: 8 Jul 2020 23:58

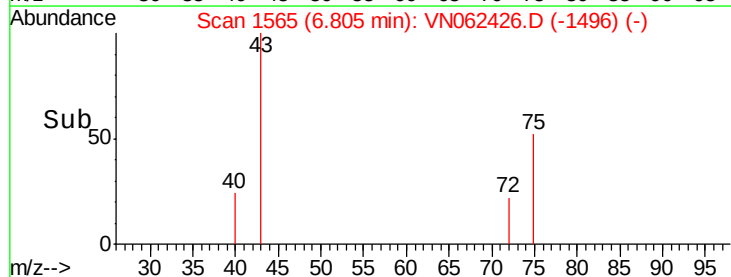
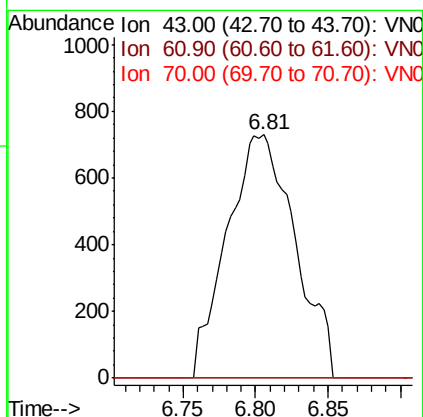
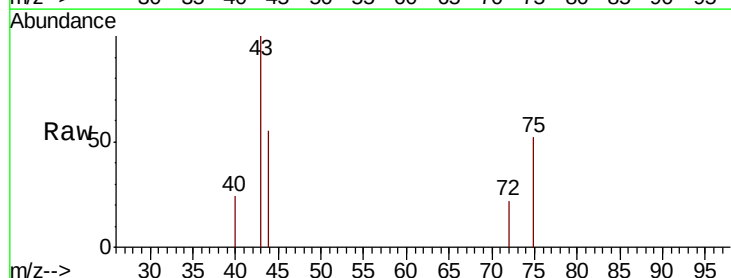
Instrument :
 MSVOA_N
 ClientSampled :
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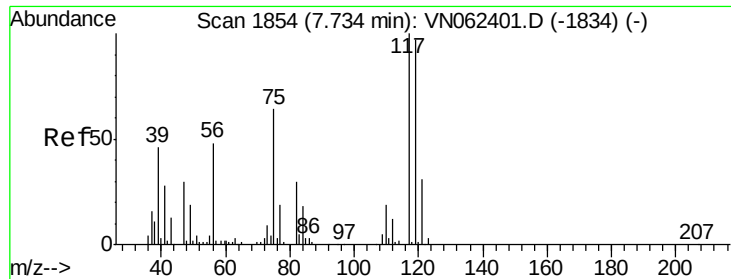
Tot Ion: 75 Resp: 15764
 Ion Ratio Lower Upper
 75 100
 110 6.2 15.4 46.2#
 77 0.0 24.1 36.1#



#37
 Ethyl Acetate
 Concen: 0.629 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.08 min
 Lab File: VN062426.D
 Acq: 8 Jul 2020 23:58

Tgt Ion: 43 Resp: 2380
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 6.399 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

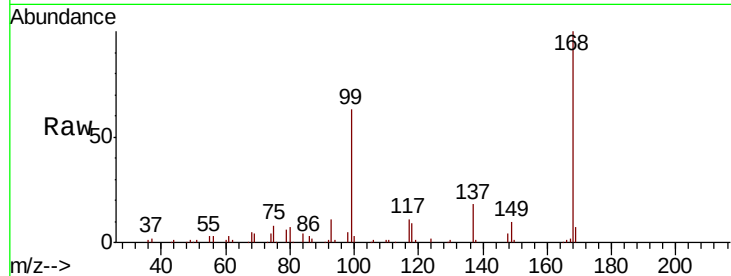
Tot Ion:117 Resp: 18607

Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

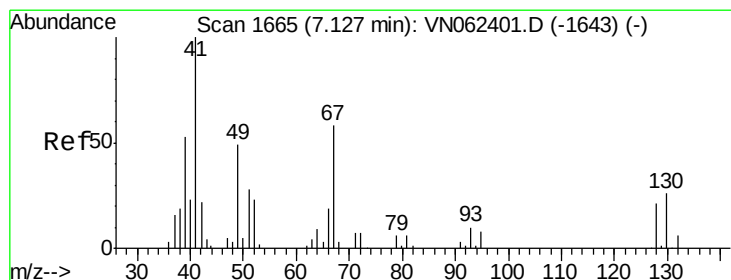
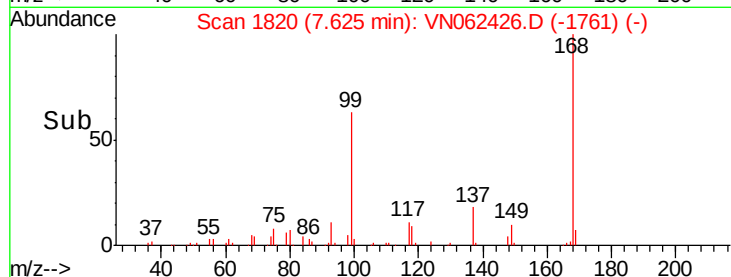
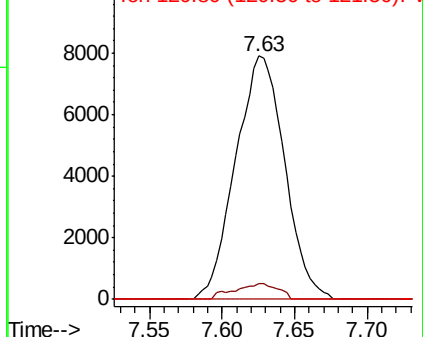
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.470 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.05 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Tgt Ion: 41 Resp: 743

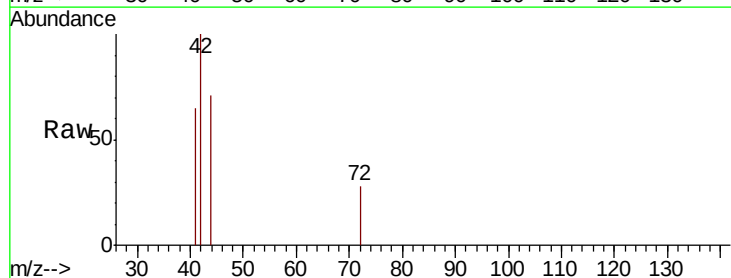
Ion Ratio Lower Upper

41 100

39 7.9 50.2 75.2#

67 0.0 64.2 96.2#

52 0.0 28.0 42.0#

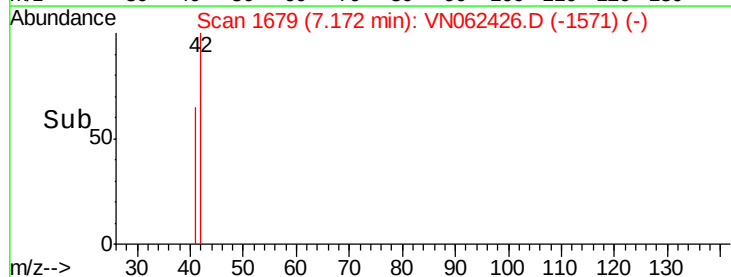
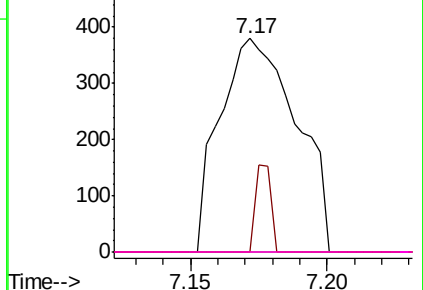


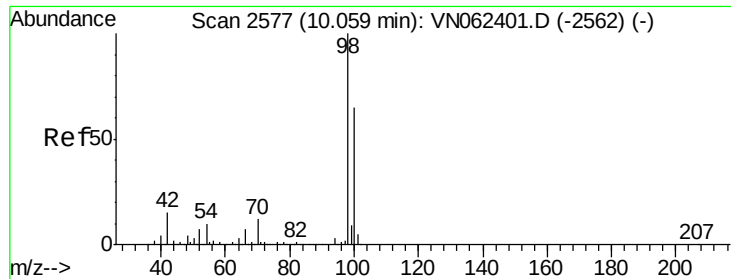
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

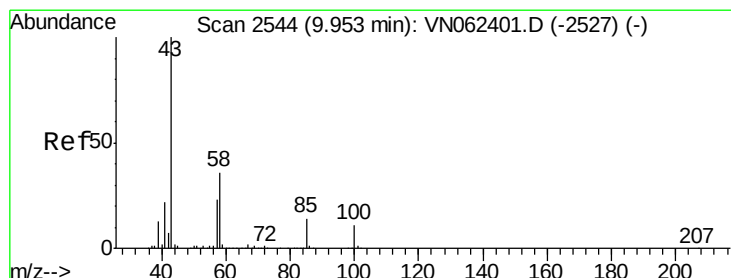
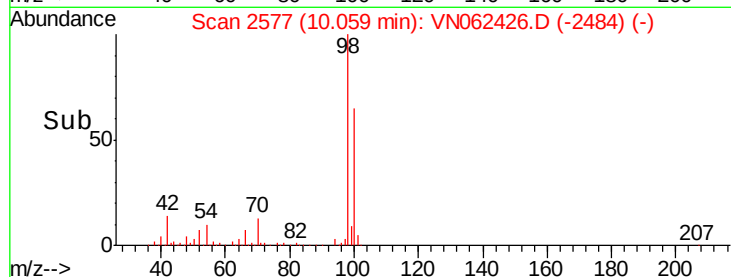
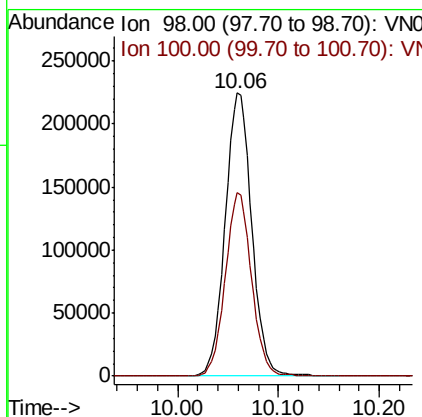
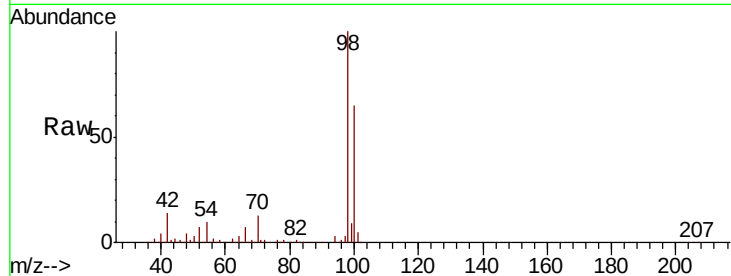




#50
Toluene-d8
Concen: 52.731 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062426.D
Acq: 8 Jul 2020 23:58

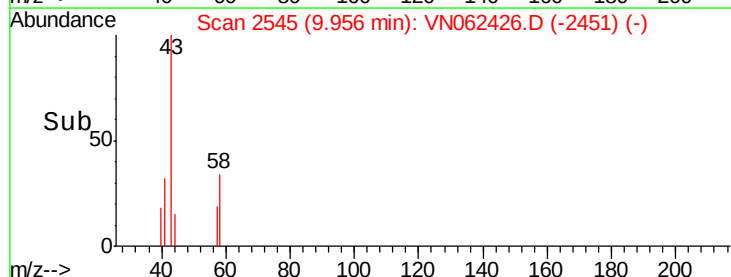
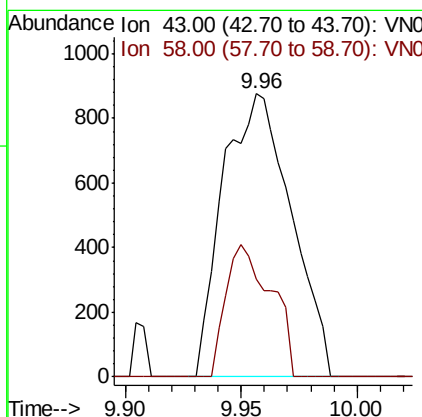
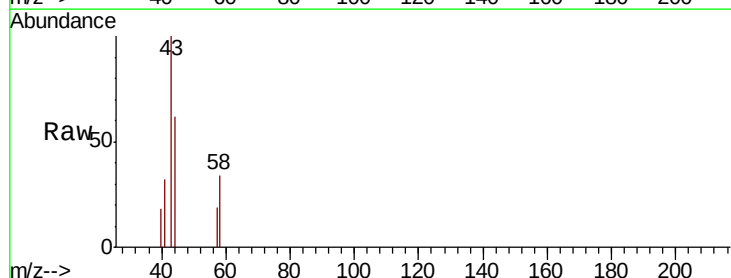
Instrument :
MSVOA_N
ClientSampled :
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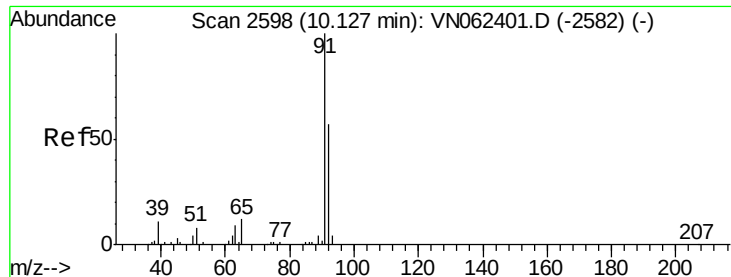
Tot Ion: 98 Resp: 413088
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.503 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062426.D
Acq: 8 Jul 2020 23:58

Tgt Ion: 43 Resp: 1796
Ion Ratio Lower Upper
43 100
58 30.8 29.0 43.6





#52

Toluene

Concen: 23.394 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

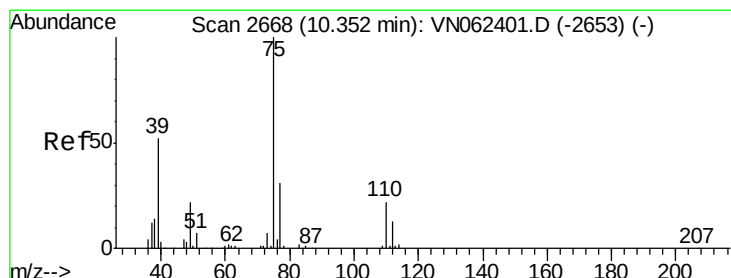
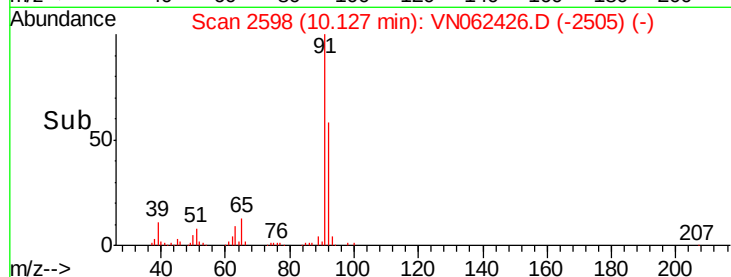
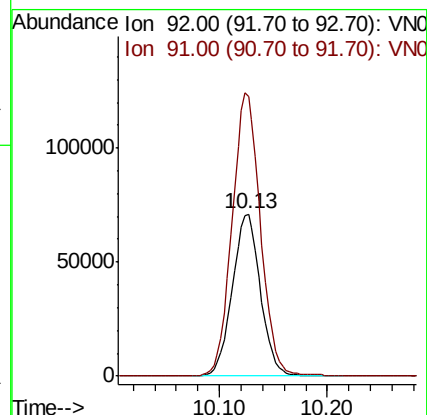
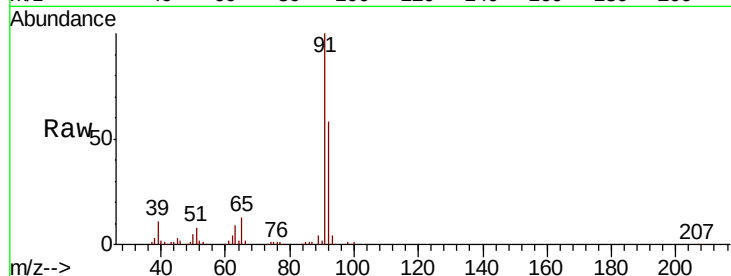
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Tot Ion: 92 Resp: 128811

Ion Ratio Lower Upper

92 100

91 176.5 141.0 211.6



#53

t-1,3-Dichloropropene

Concen: 0.407 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.22 min

Lab File: VN062426.D

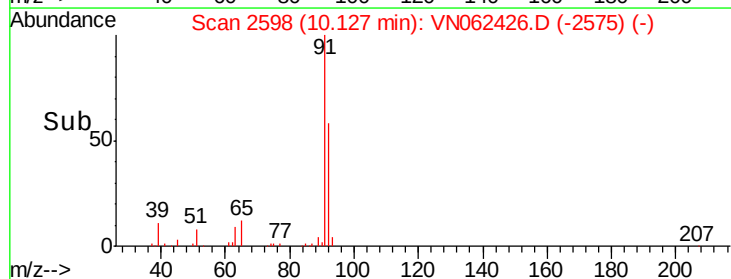
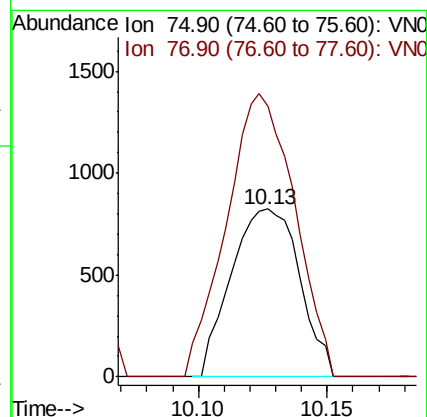
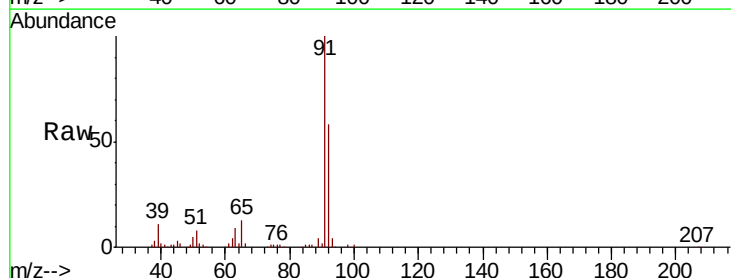
Acq: 8 Jul 2020 23:58

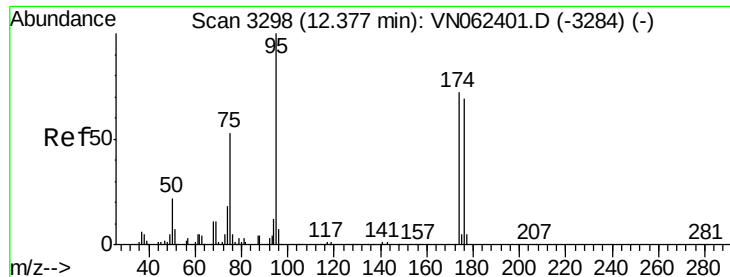
Tgt Ion: 75 Resp: 1523

Ion Ratio Lower Upper

75 100

77 161.1 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 51.328 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampleId :

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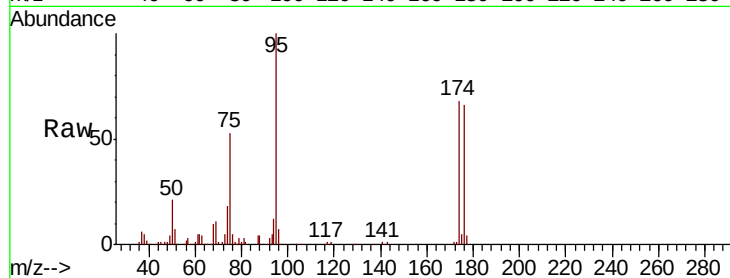
Tot Ion: 95 Resp: 146941

Ion Ratio Lower Upper

95 100

174 70.4 0.0 141.6

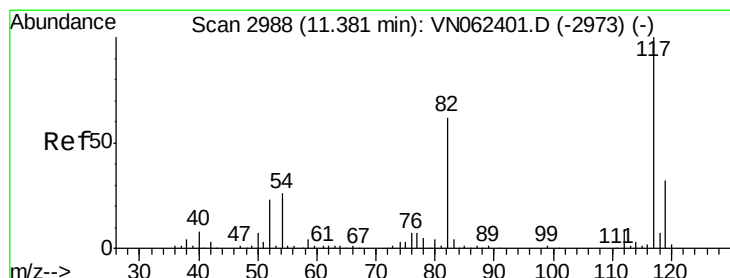
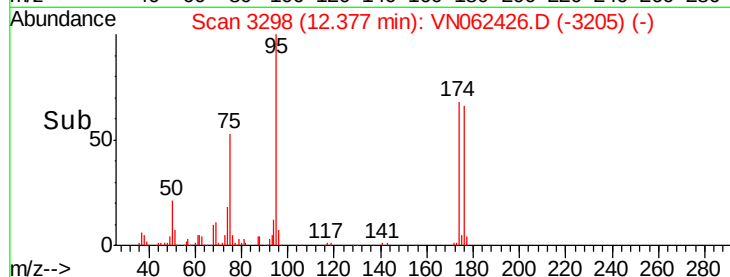
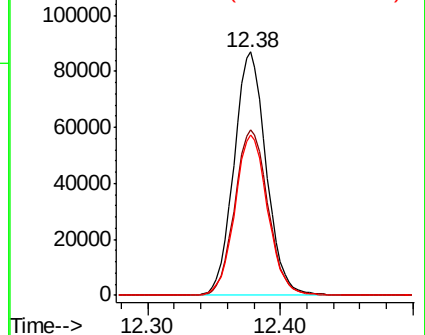
176 67.3 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062426.D (-2895) (-)

Ion 173.80 (173.50 to 174.50): VN062426.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN062426.D (-2895) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

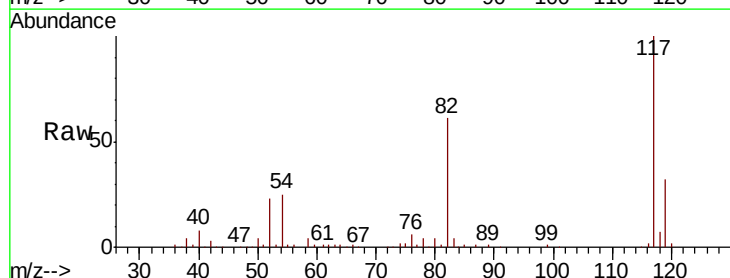
Tgt Ion: 117 Resp: 308338

Ion Ratio Lower Upper

117 100

82 60.5 49.6 74.4

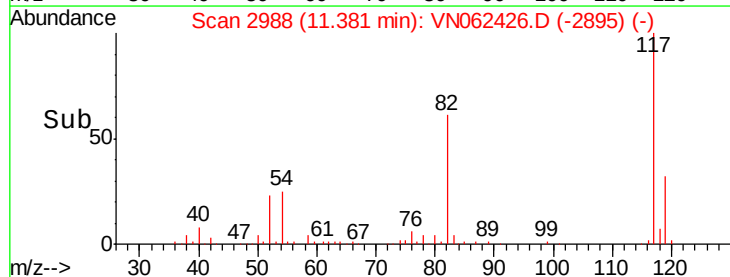
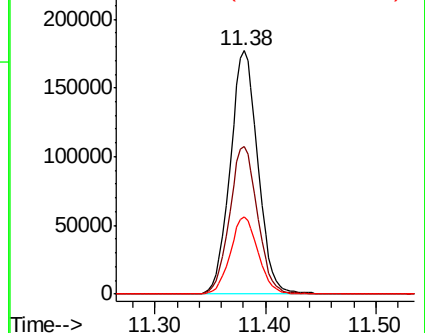
119 31.8 25.4 38.0

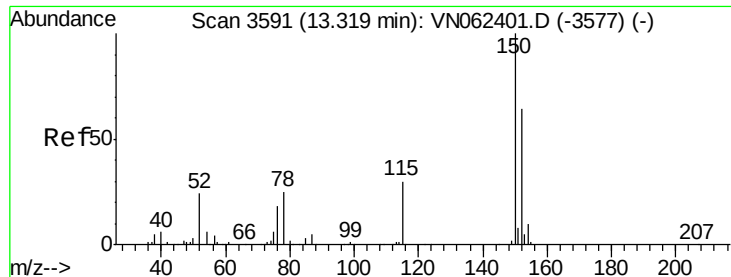


Abundance Ion 116.90 (116.60 to 117.60): VN062426.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062426.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062426.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

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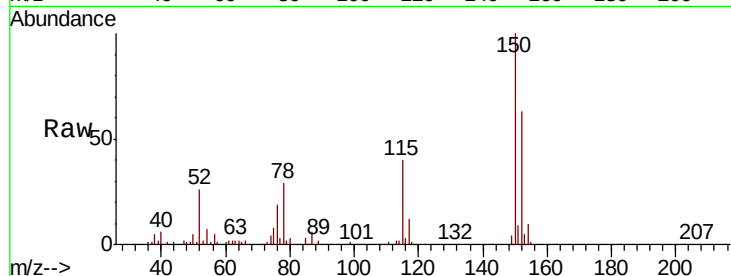
Tot Ion:152 Resp: 110221

Ion Ratio Lower Upper

152 100

115 62.9 31.4 94.2

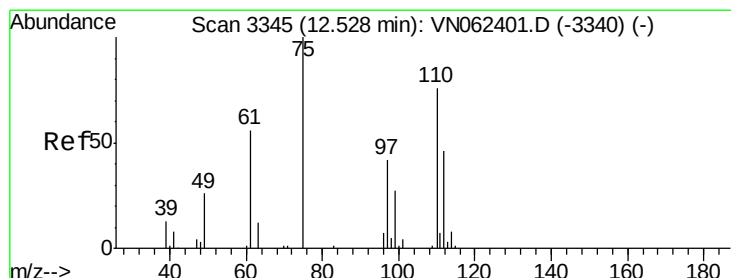
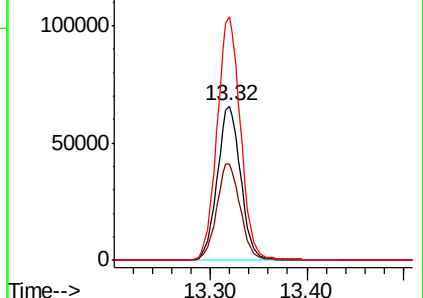
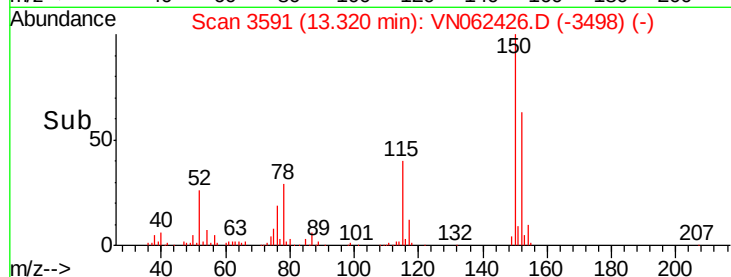
150 158.4 0.0 347.4



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: 28.980 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062426.D

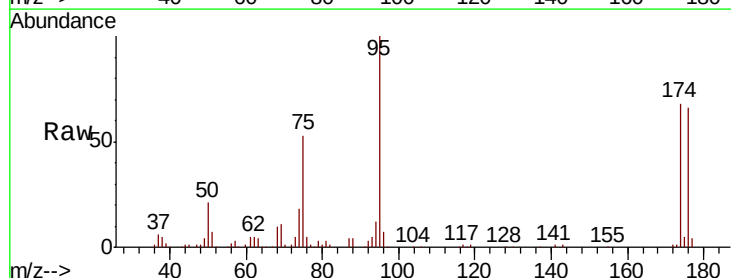
Acq: 8 Jul 2020 23:58

Tgt Ion: 75 Resp: 78375

Ion Ratio Lower Upper

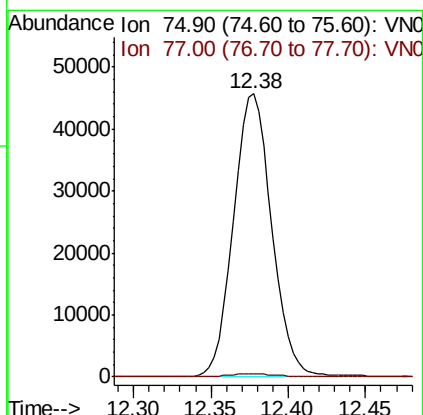
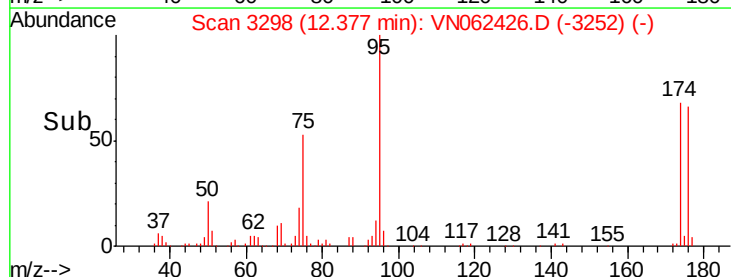
75 100

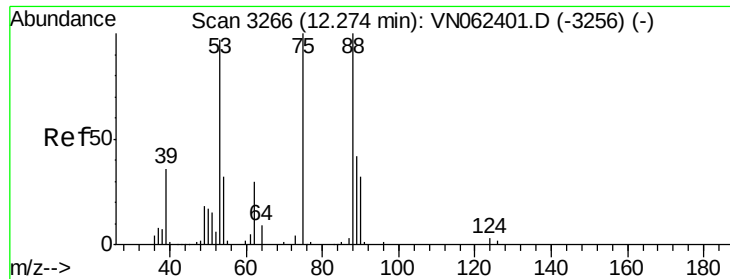
77 1.3 0.0 0.0#



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: 77.568 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

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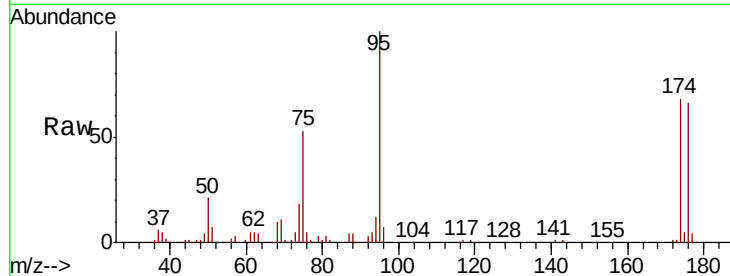
Tot Ion: 75 Resp: 78375

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

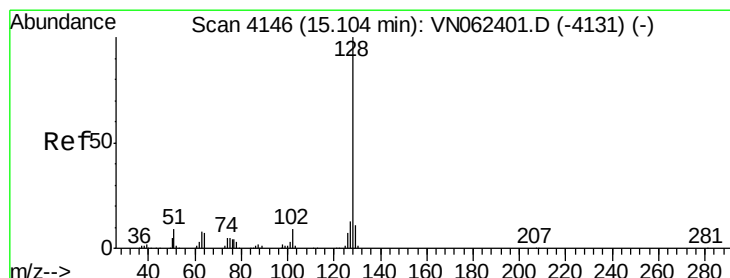
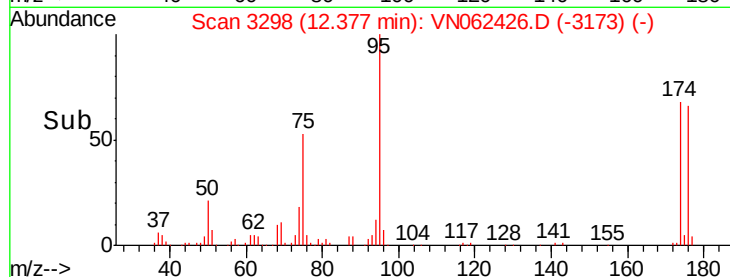
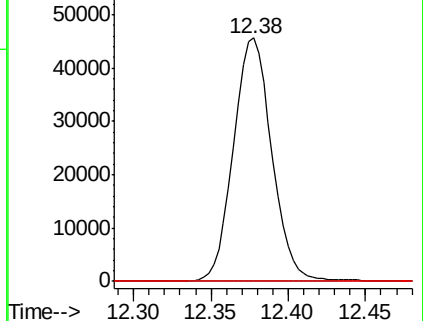
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062401.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062401.D (-3256) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062426.D

Acq: 8 Jul 2020 23:58

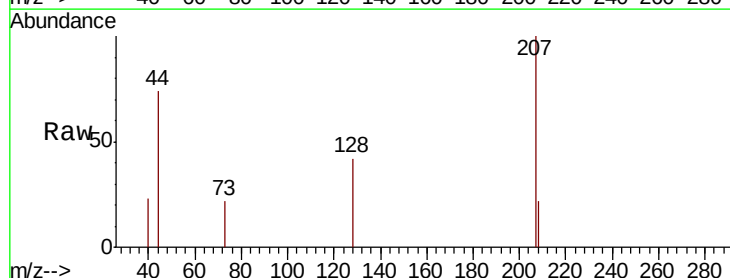
Tgt Ion: 128 Resp: 500

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN062401.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN062401.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN062401.D (-4131) (-)

