

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061506.D
 Acq On : 20 May 2020 17:27
 Operator : JC/MD
 Sample : L2671-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS052MW128-200514

Quant Time: May 21 01:12:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	281815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	491656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208762	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	186733	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
35) Dibromofluoromethane	7.55	113	148012	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
50) Toluene-d8	10.06	98	628455	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.37	95	235086	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	

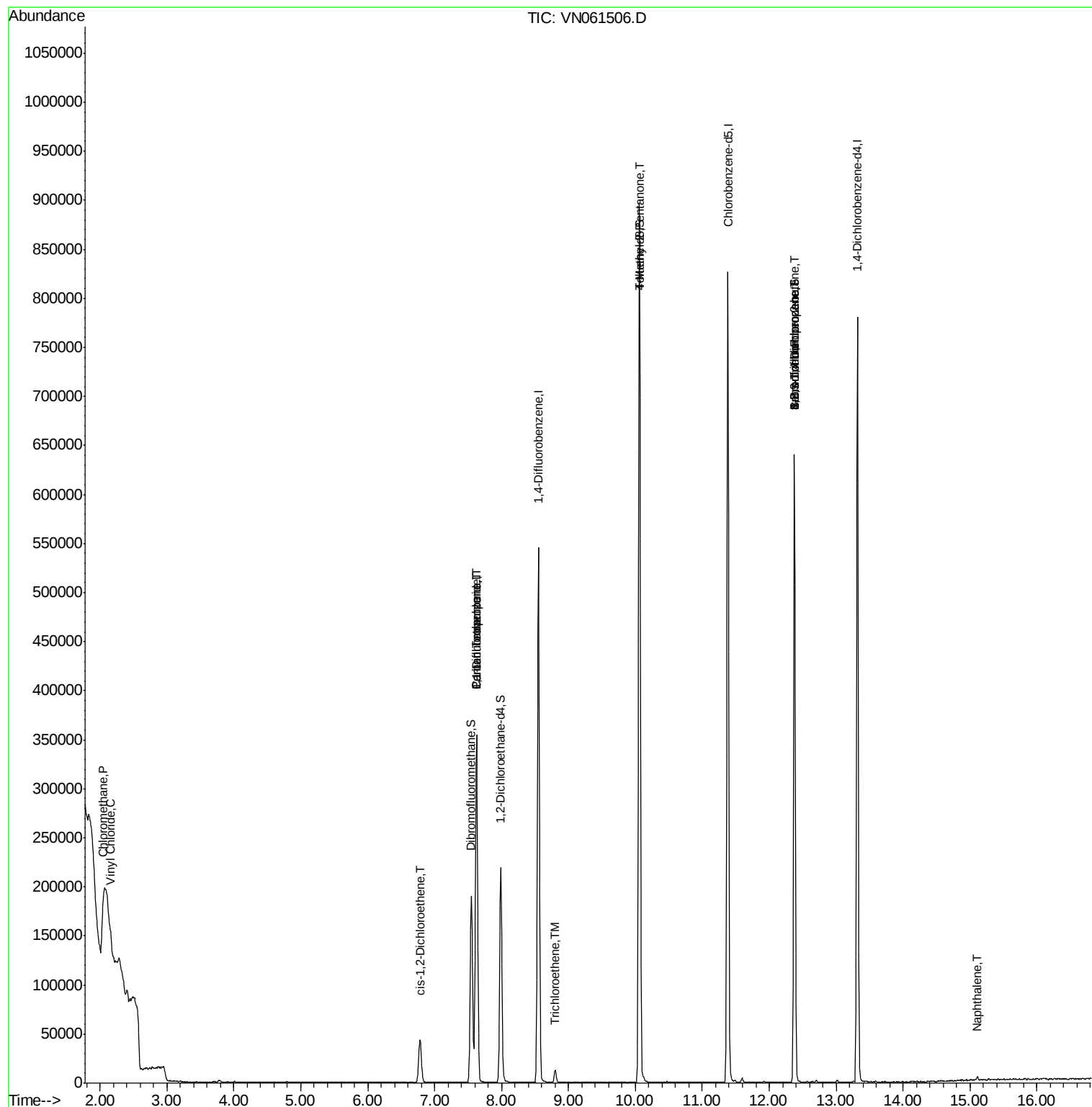
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1492	0.390	ug/l #	88
4) Vinyl Chloride	2.16	62	3731	0.682	ug/l	90
5) Bromomethane	2.55	94	513	Below Cal	#	51
16) Acetone	3.78	43	3909	Below Cal		100
17) Carbon Disulfide	4.01	76	749	Below Cal	#	75
18) Methyl Acetate	4.22	43	66	Below Cal	#	49
27) cis-1,2-Dichloroethene	6.78	96	30839	7.838	ug/l	82
31) Cyclohexane	7.63	56	6019	Below Cal	#	1
36) 1,1-Dichloropropene	7.62	75	22953	4.835	ug/l #	50
38) Carbon Tetrachloride	7.62	117	29659	6.785	ug/l #	16
44) Trichloroethene	8.80	130	5065	1.351	ug/l	88
51) 4-Methyl-2-Pentanone	10.06	43	2555	0.625	ug/l #	1
71) Bromoform	12.38	173	1741	2.618	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	119557	26.690	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119557	70.802	ug/l #	12
95) Naphthalene	15.11	128	3570	0.324	ug/l #	94

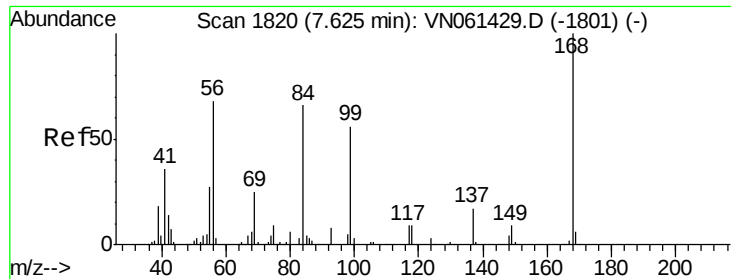
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 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: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

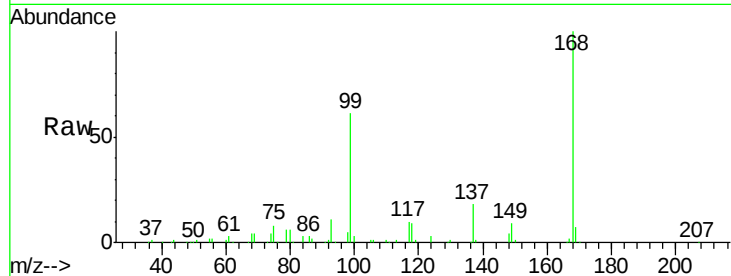
SS052MW128-200514

Tot Ion:168 Resp: 281815

Ion Ratio Lower Upper

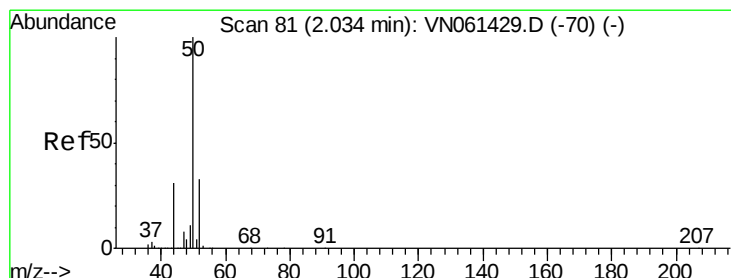
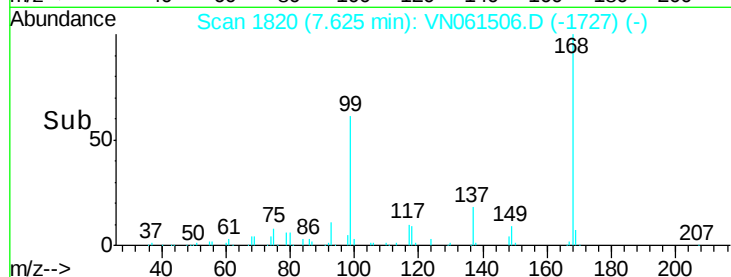
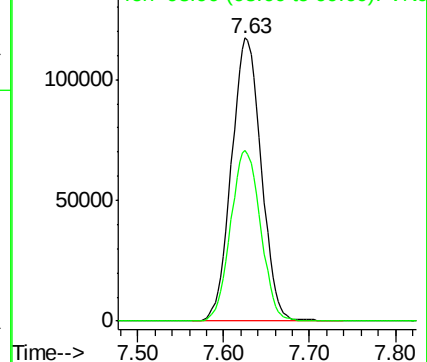
168 100

99 60.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.390 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061506.D

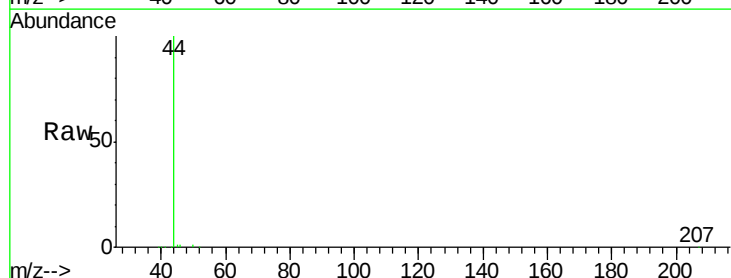
Acq: 20 May 2020 17:27

Tgt Ion: 50 Resp: 1492

Ion Ratio Lower Upper

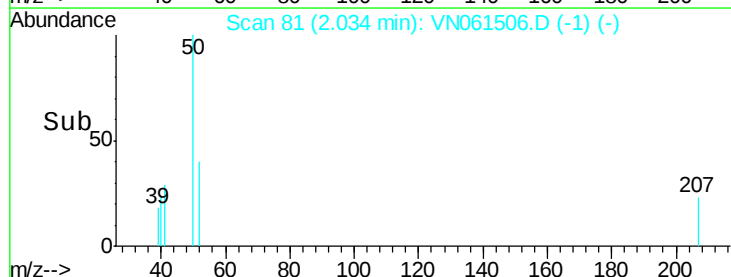
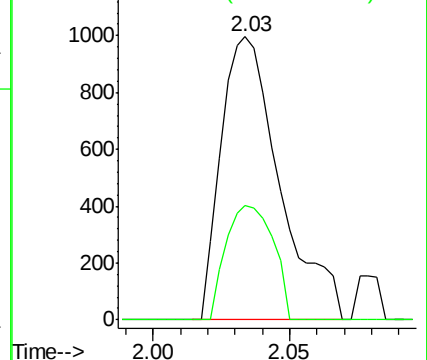
50 100

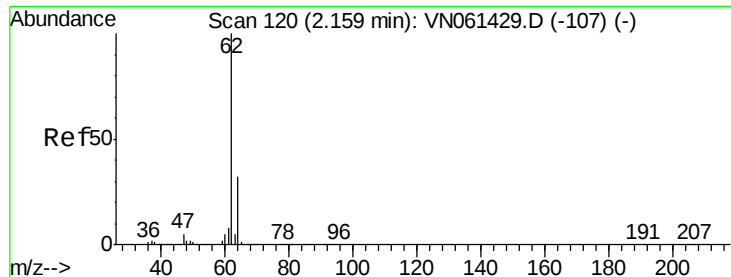
52 40.3 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 0.682 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

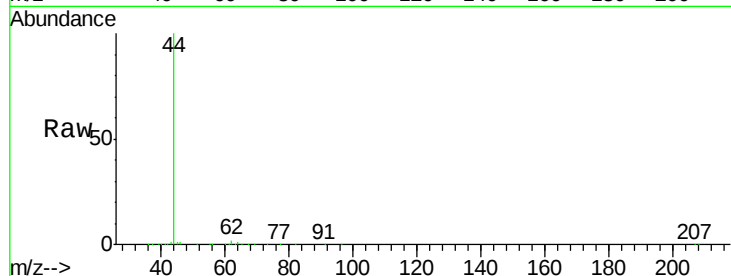
SS052MW128-200514

Tot Ion: 62 Resp: 3731

Ion Ratio Lower Upper

62 100

64 37.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

2500

2000

1500

1000

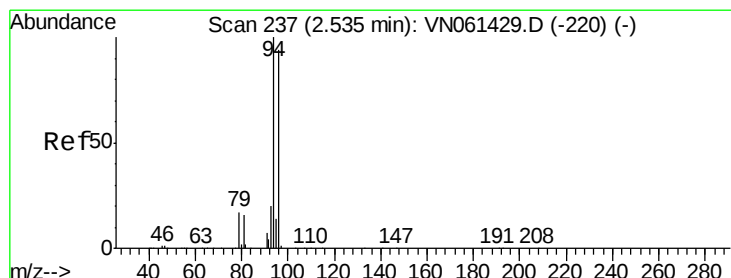
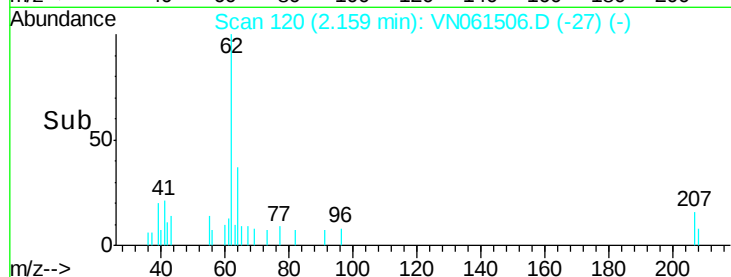
500

0

2.15

2.20

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061506.D

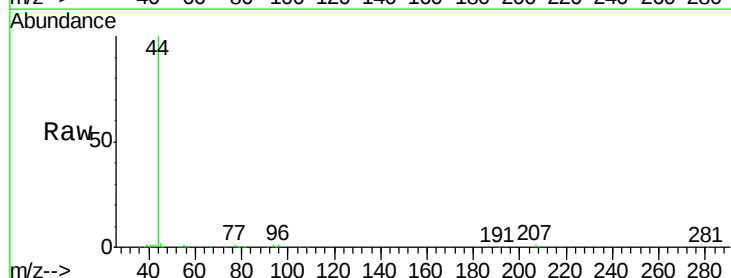
Acq: 20 May 2020 17:27

Tgt Ion: 94 Resp: 513

Ion Ratio Lower Upper

94 100

96 46.2 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

500

400

300

200

100

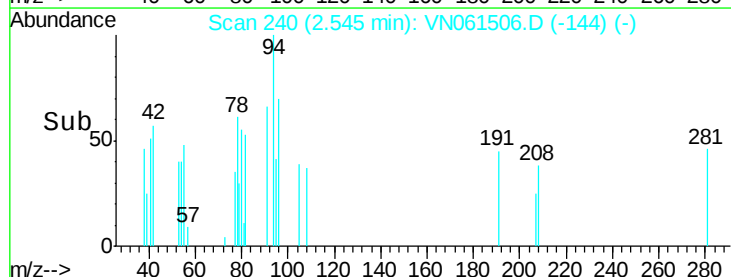
0

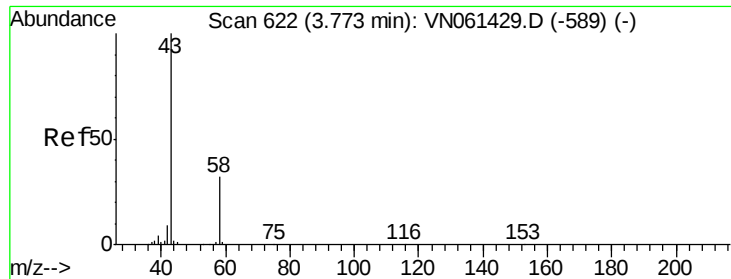
2.52

2.54

2.56

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

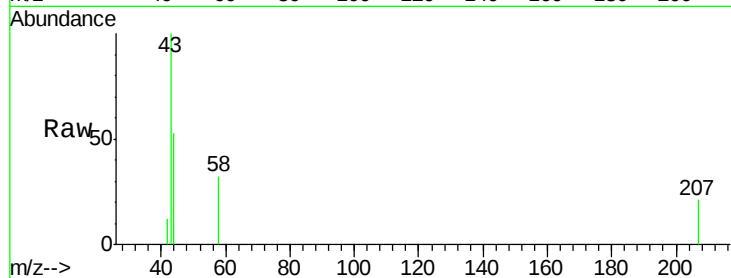
SS052MW128-200514

Tot Ion: 43 Resp: 3909

Ion Ratio Lower Upper

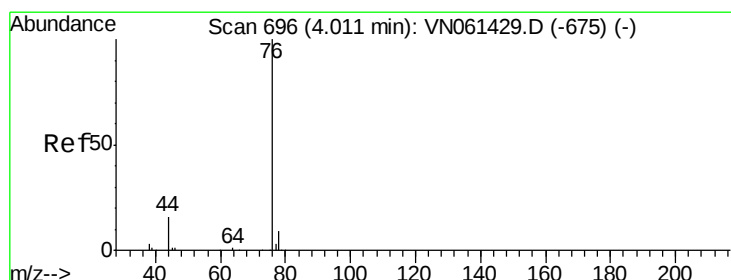
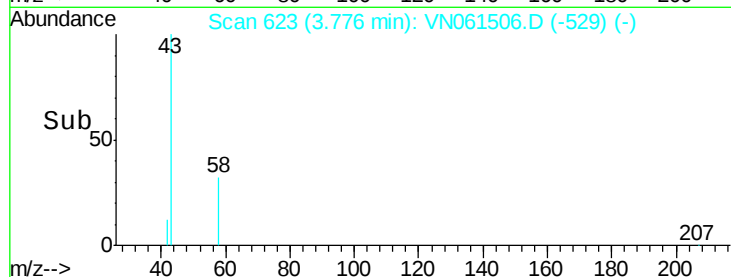
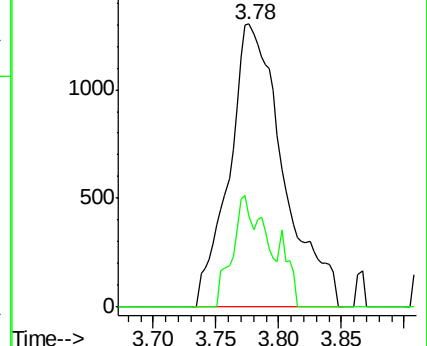
43 100

58 32.1 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 697

Delta R.T. 0.00 min

Lab File: VN061506.D

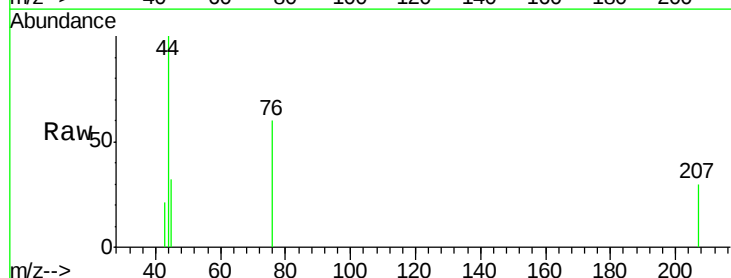
Acq: 20 May 2020 17:27

Tgt Ion: 76 Resp: 749

Ion Ratio Lower Upper

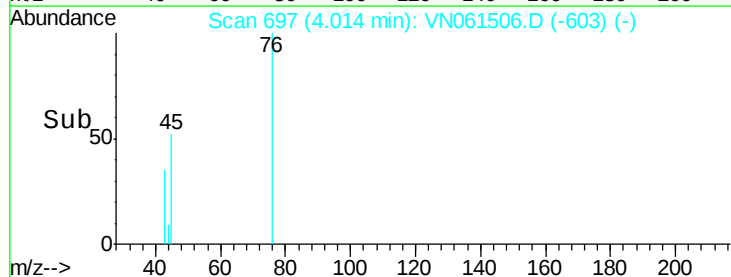
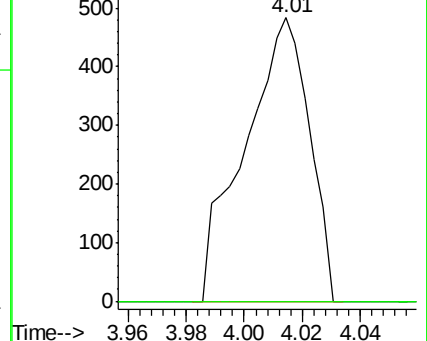
76 100

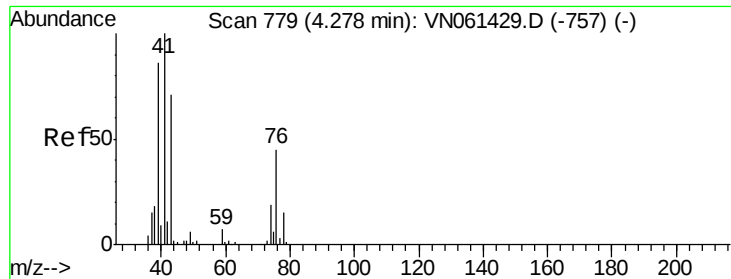
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

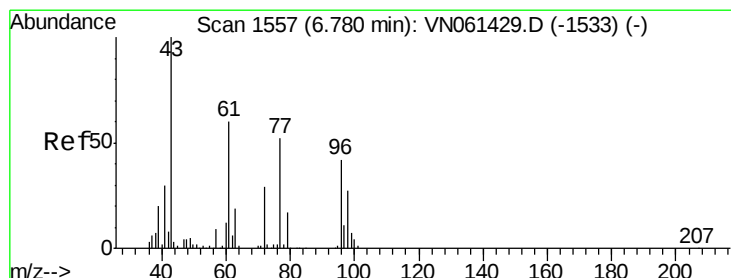
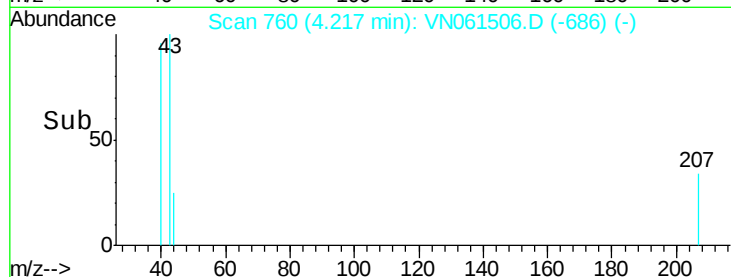
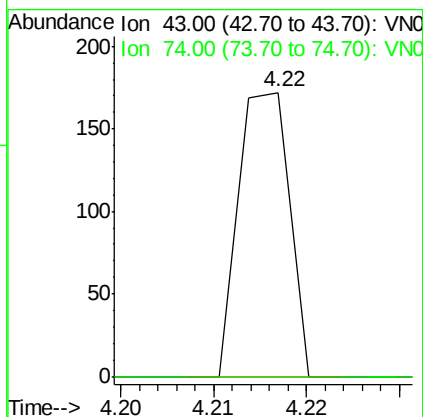
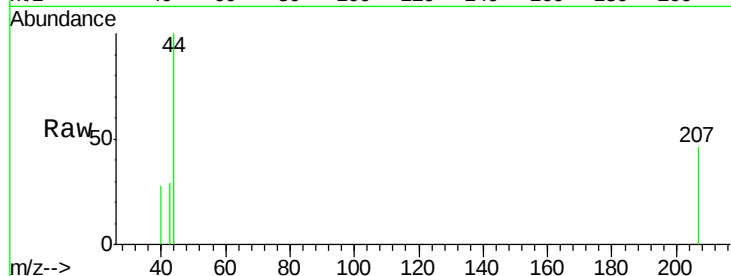




#18
Methvl Acetate
Concen: Below Cal
RT: 4.22 min Scan# 760
Delta R.T. -0.06 min
Lab File: VN061506.D
Acq: 20 May 2020 17:27

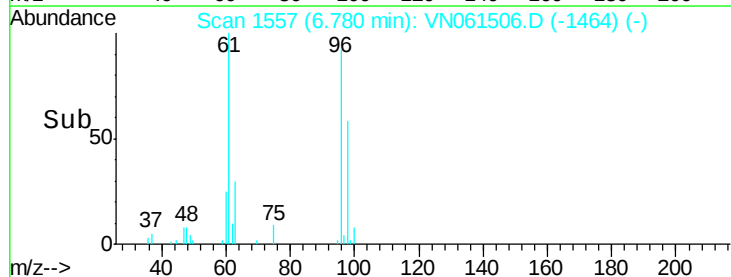
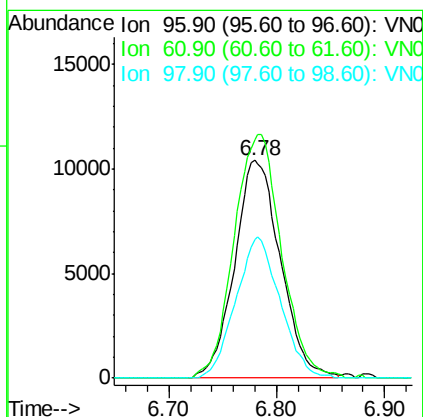
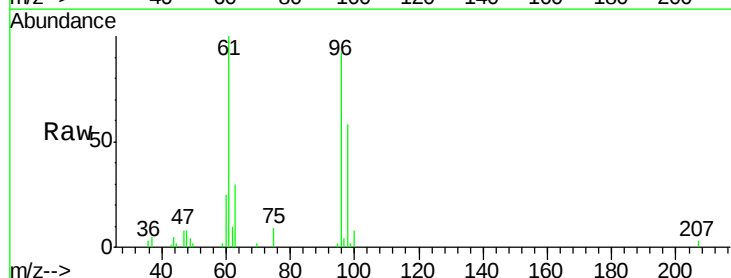
Instrument :
MSVOA_N
ClientSampleId :
SS052MW128-200514

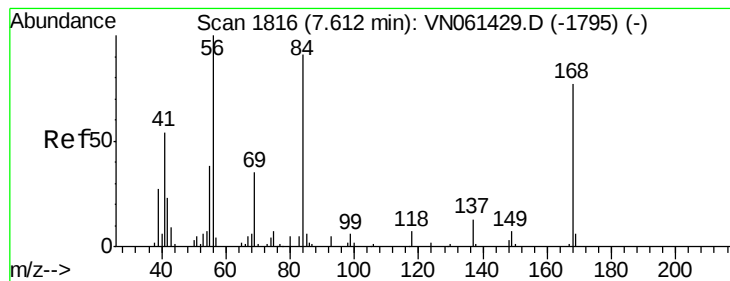
Tot Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#27
cis-1,2-Dichloroethene
Concen: 7.838 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN061506.D
Acq: 20 May 2020 17:27

Tgt Ion: 96 Resp: 30839
Ion Ratio Lower Upper
96 100
61 115.5 0.0 294.2
98 62.6 0.0 128.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

SS052MW128-200514

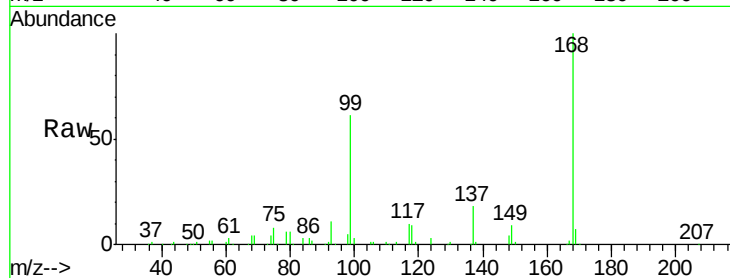
Tot Ion: 56 Resp: 6019

Ion Ratio Lower Upper

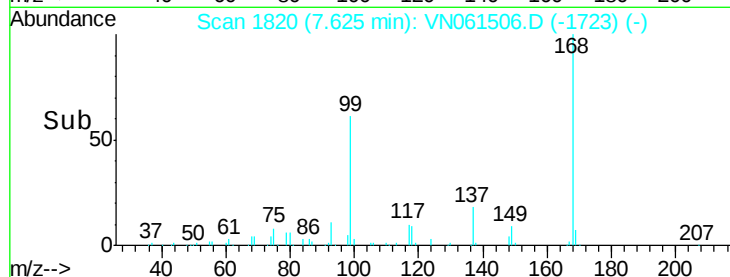
56 100

69 191.6 27.8 41.6#

84 131.0 72.7 109.1#



Abundance Ion 56.00 (55.70 to 56.70): VN061506.D (-1723) (-)

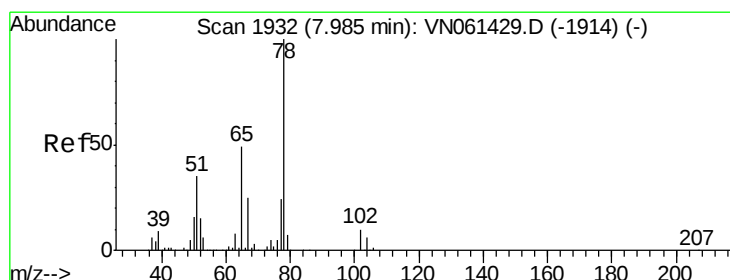


Ion 69.00 (68.70 to 69.70): VN061506.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061506.D (-1723) (-)

Time-->

7.55 7.60 7.65



#33

1,2-Dichloroethane-d4

Concen: 44.397 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061506.D

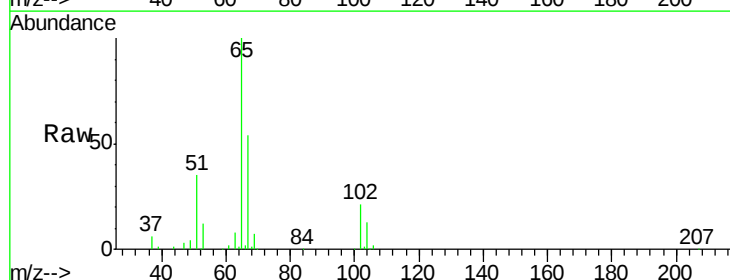
Acq: 20 May 2020 17:27

Tgt Ion: 65 Resp: 186733

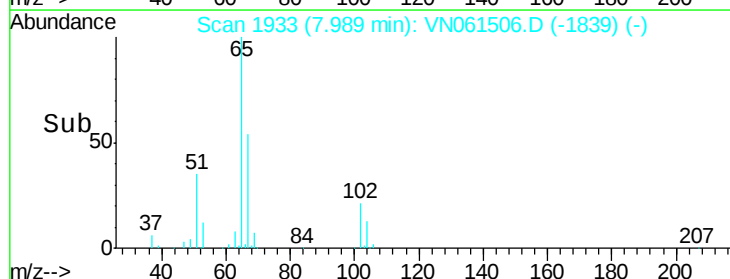
Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.4



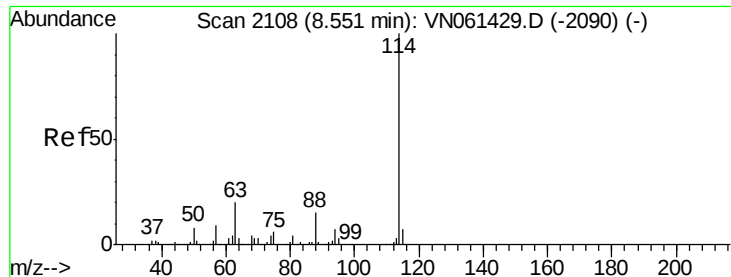
Abundance Ion 64.90 (64.60 to 65.60): VN061506.D (-1839) (-)



Ion 66.90 (66.60 to 67.60): VN061506.D (-1839) (-)

Time-->

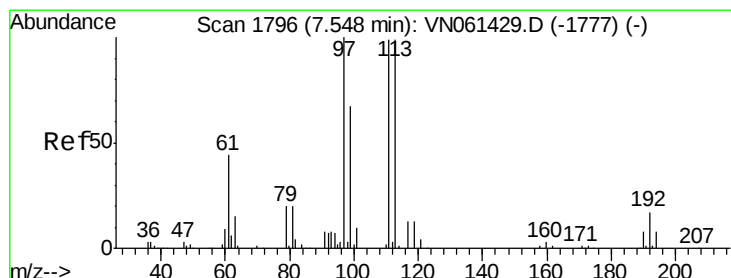
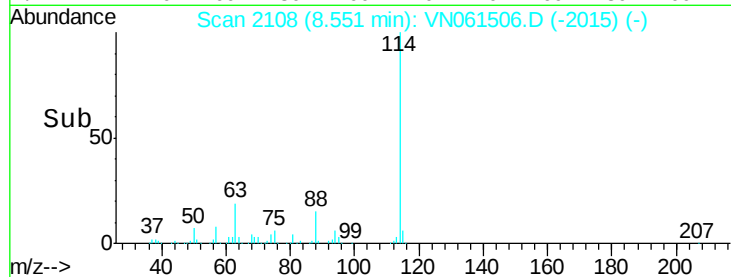
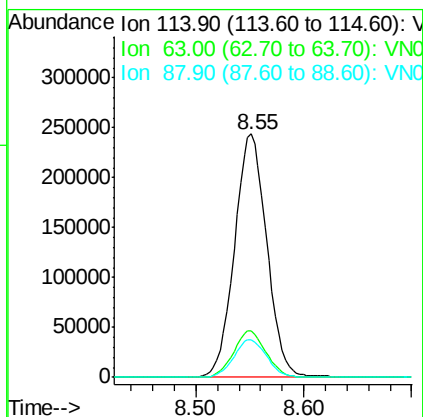
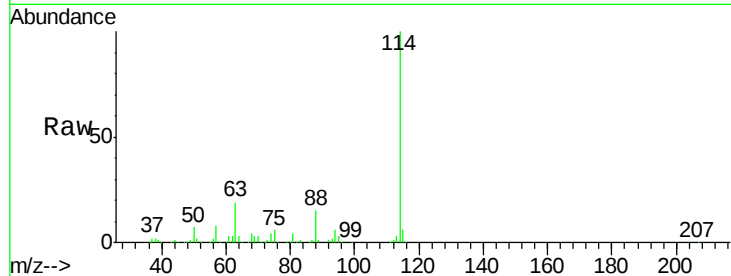
7.90 8.00 8.10



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061506.D
 Acq: 20 May 2020 17:27

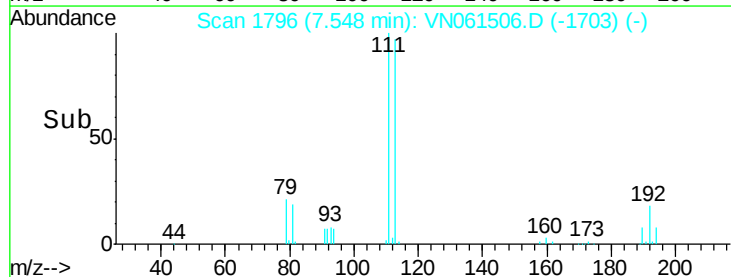
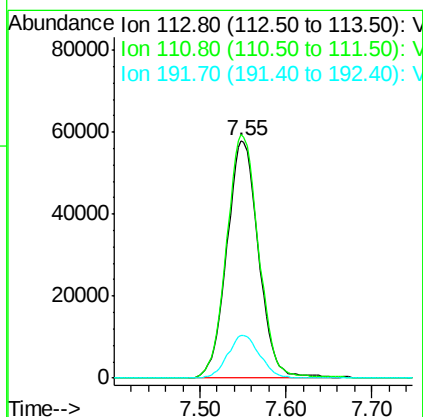
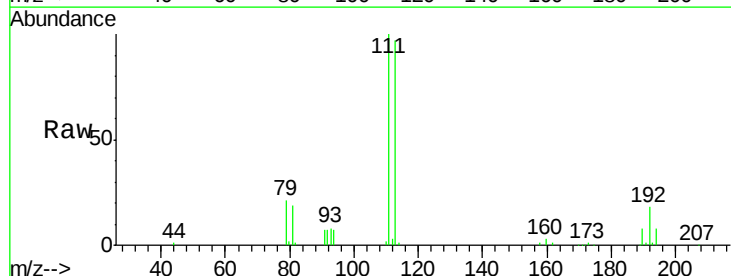
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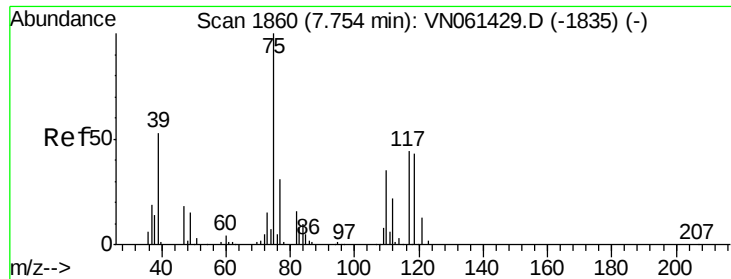
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.8
88	15.4	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 55.650 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061506.D
 Acq: 20 May 2020 17:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.6	121.0
192	18.1	13.2	19.8





#36

1,1-Dichloropropene

Concen: 4.835 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

SS052MW128-200514

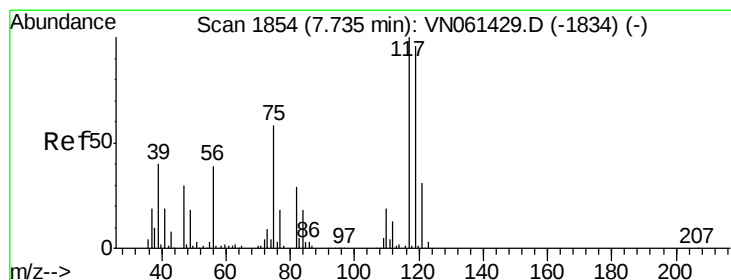
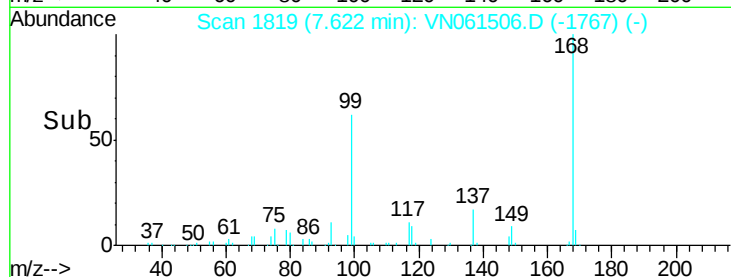
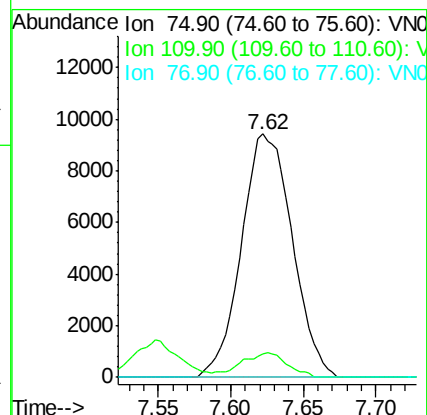
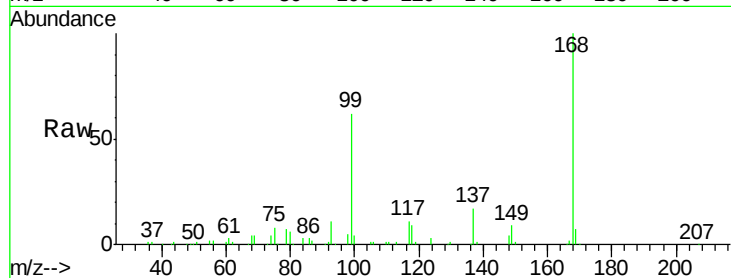
Tot Ion: 75 Resp: 22953

Ion Ratio Lower Upper

75 100

110 8.9 17.3 51.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.785 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

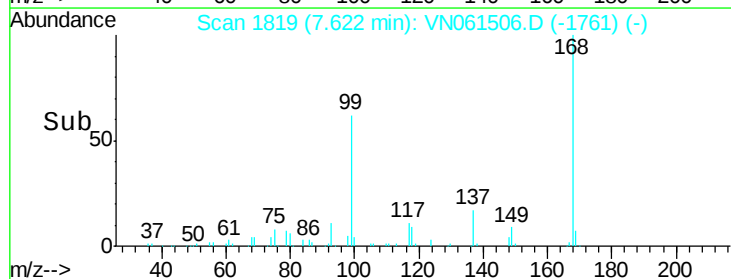
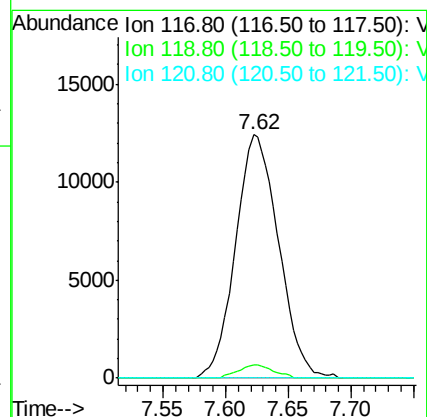
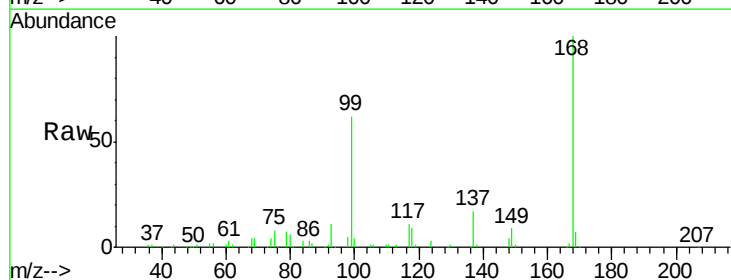
Tgt Ion: 117 Resp: 29659

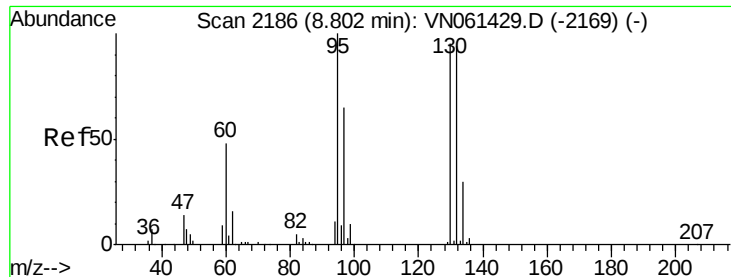
Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.6#

121 0.0 24.7 37.1#

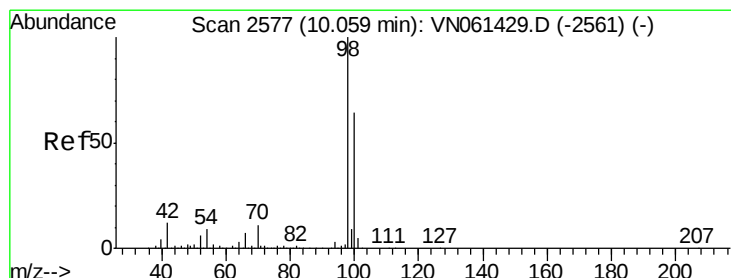
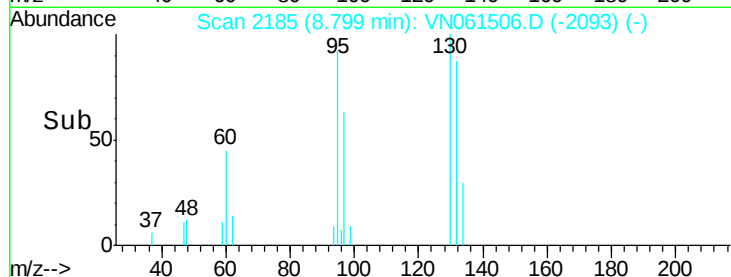
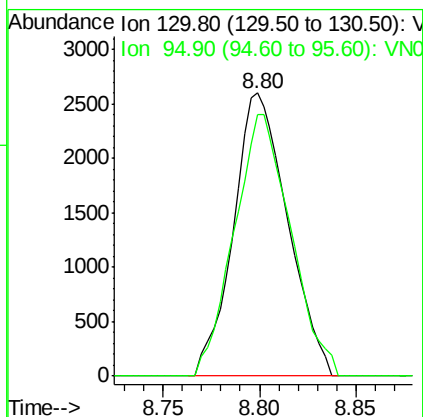
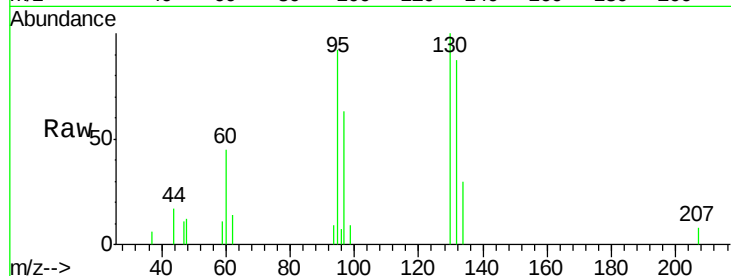




#44
 Trichloroethene
 Concen: 1.351 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061506.D
 Acq: 20 May 2020 17:27

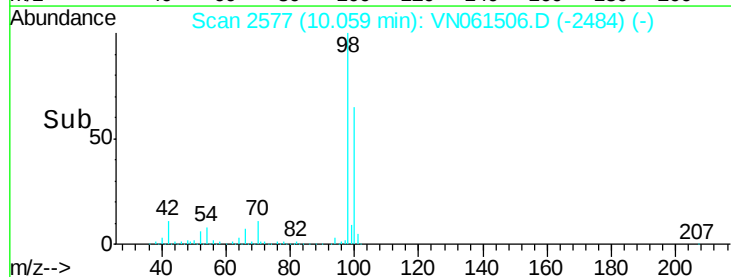
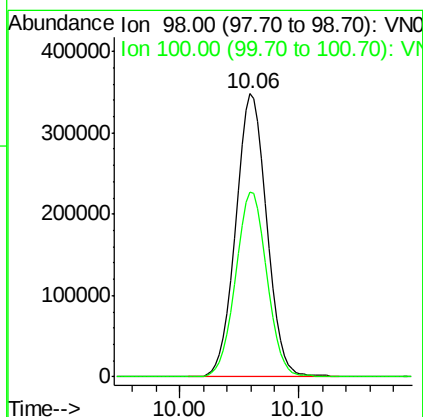
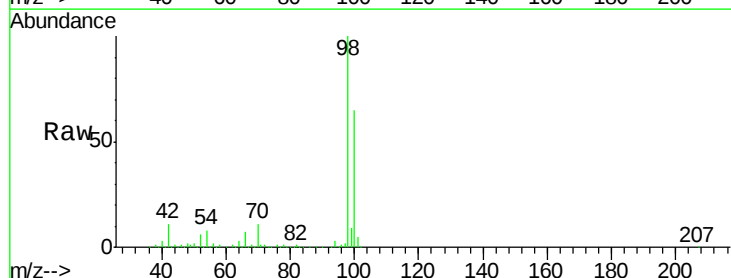
Instrument :
 MSVOA_N
 ClientSampleId :
 SS052MW128-200514

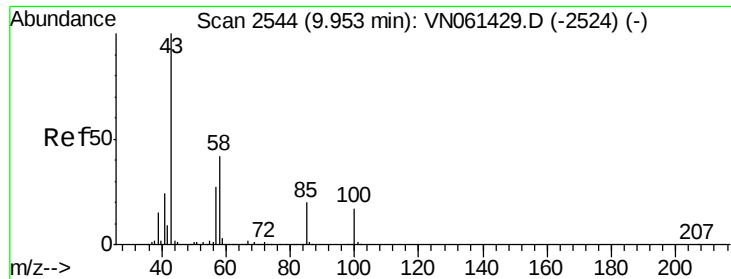
Tot Ion:130 Resp: 5065
 Ion Ratio Lower Upper
 130 100
 95 92.4 0.0 209.8



#50
 Toluene-d8
 Concen: 50.943 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061506.D
 Acq: 20 May 2020 17:27

Tgt Ion: 98 Resp: 628455
 Ion Ratio Lower Upper
 98 100
 100 66.1 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 0.625 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

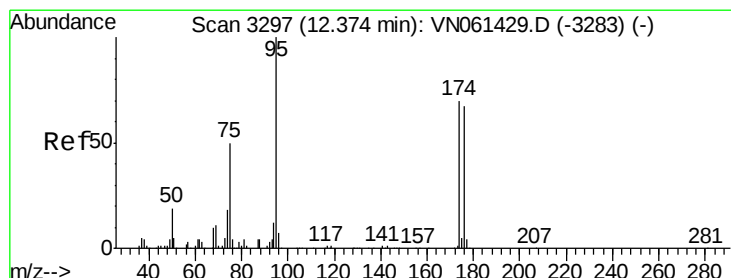
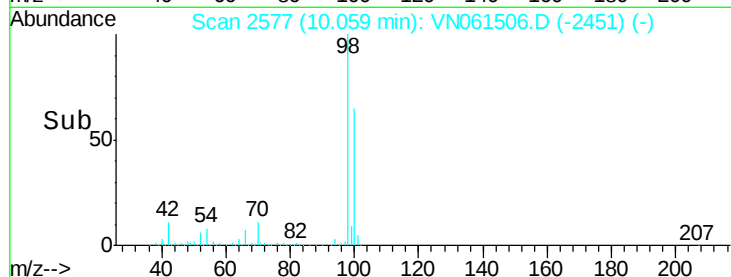
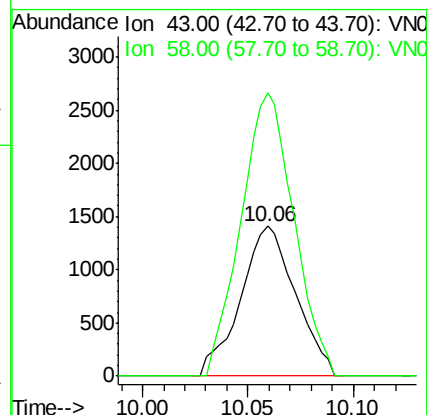
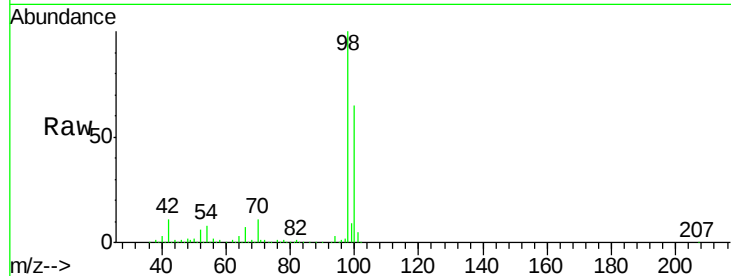
SS052MW128-200514

Tot Ion: 43 Resp: 2555

Ion Ratio Lower Upper

43 100

58 182.0 33.4 50.2#



#62

4-Bromofluorobenzene

Concen: 51.006 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

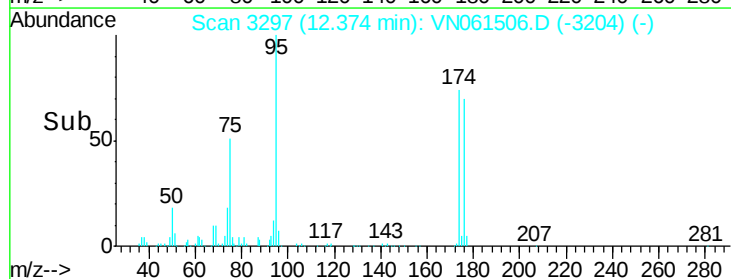
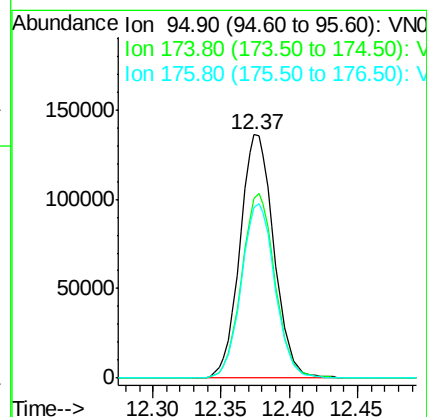
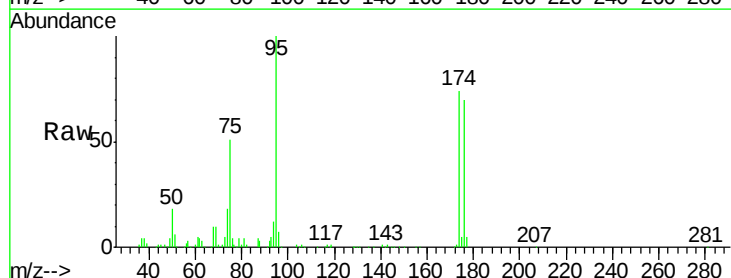
Tgt Ion: 95 Resp: 235086

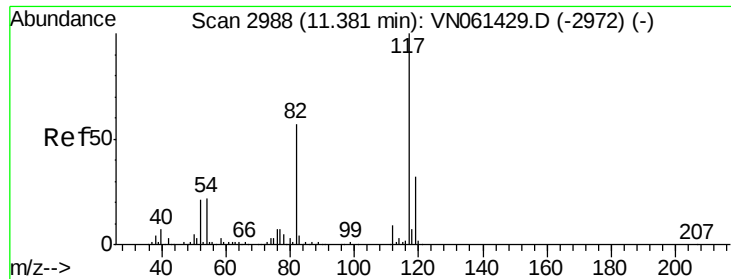
Ion Ratio Lower Upper

95 100

174 74.4 0.0 141.2

176 70.8 0.0 137.6

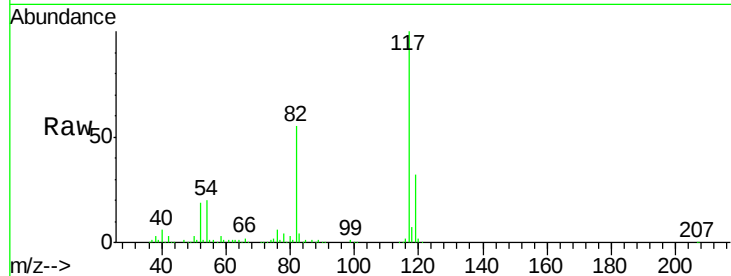




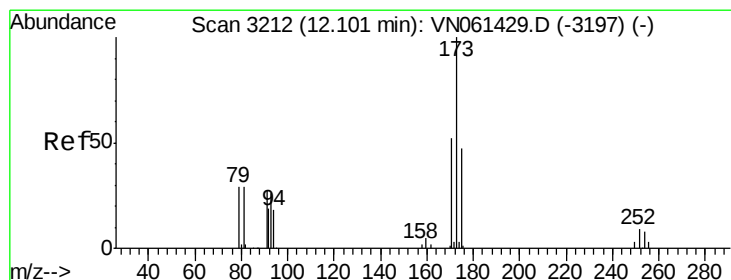
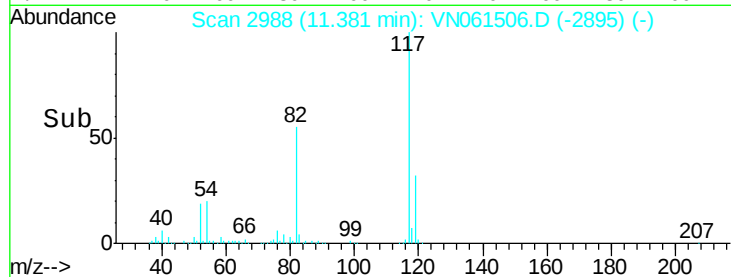
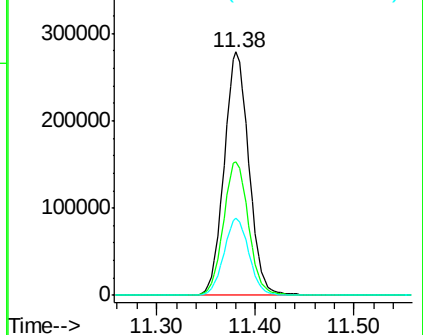
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061506.D
Acq: 20 May 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
SS052MW128-200514

Tot Ion:117 Resp: 491656
Ion Ratio Lower Upper
117 100
82 55.1 45.2 67.8
119 31.6 25.3 37.9

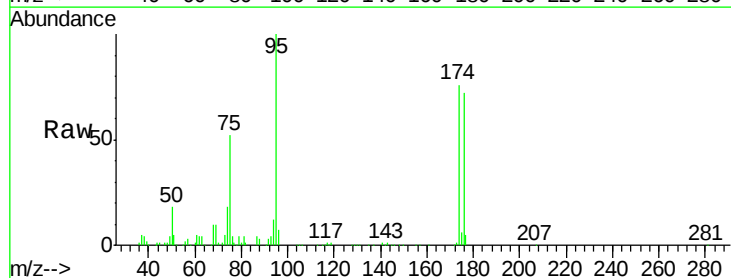


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

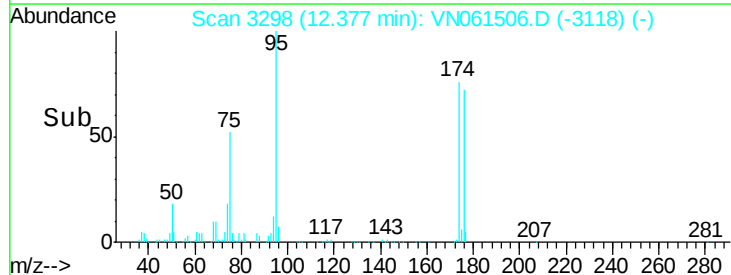
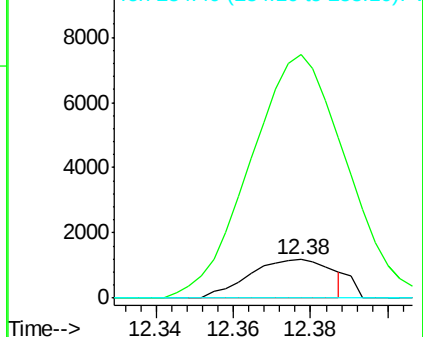


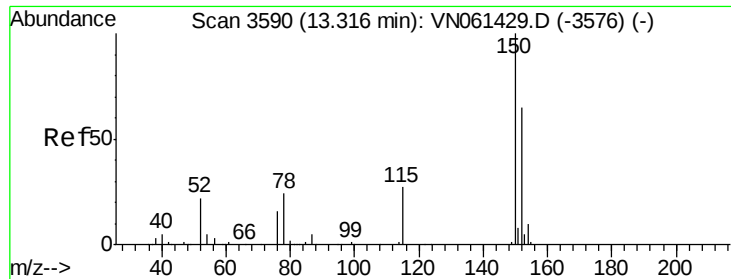
#71
Bromoform
Concen: 2.618 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061506.D
Acq: 20 May 2020 17:27

Tgt Ion:173 Resp: 1741
Ion Ratio Lower Upper
173 100
175 624.0 23.9 71.8#
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: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

SS052MW128-200514

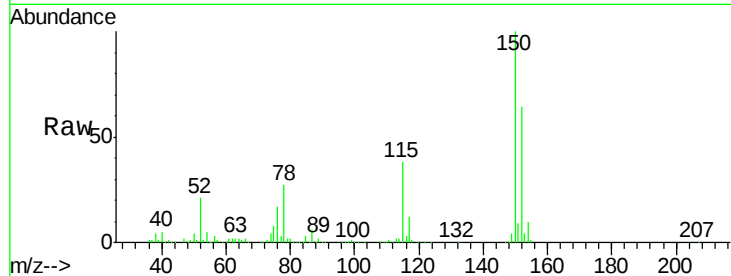
Tot Ion:152 Resp: 208762

Ion Ratio Lower Upper

152 100

115 61.0 30.9 92.5

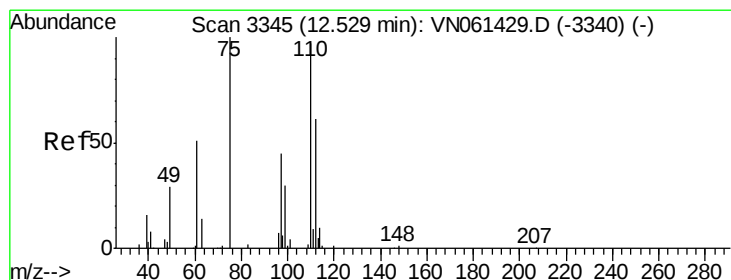
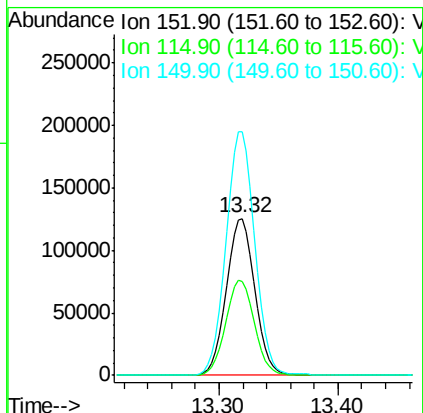
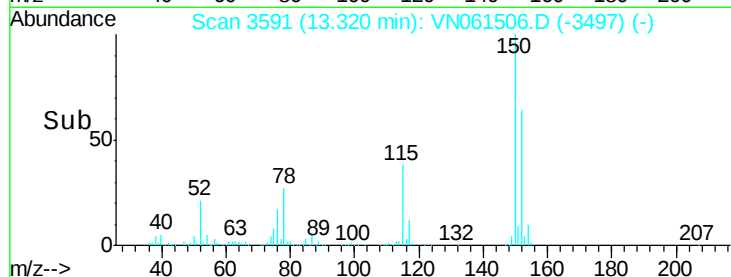
150 156.8 0.0 349.2



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: 26.690 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061506.D

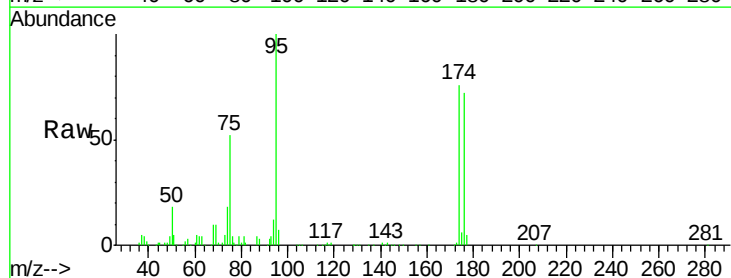
Acq: 20 May 2020 17:27

Tgt Ion: 75 Resp: 119557

Ion Ratio Lower Upper

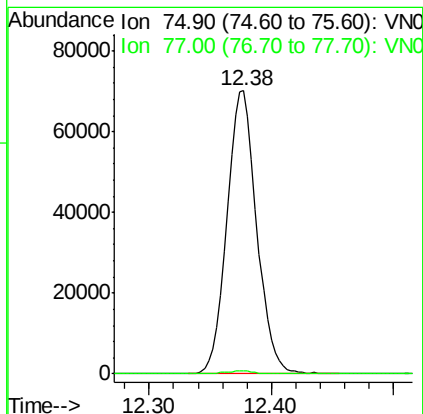
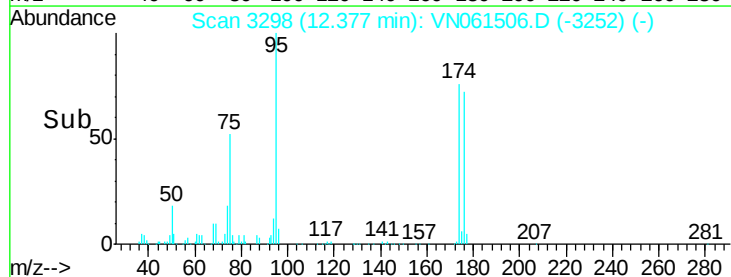
75 100

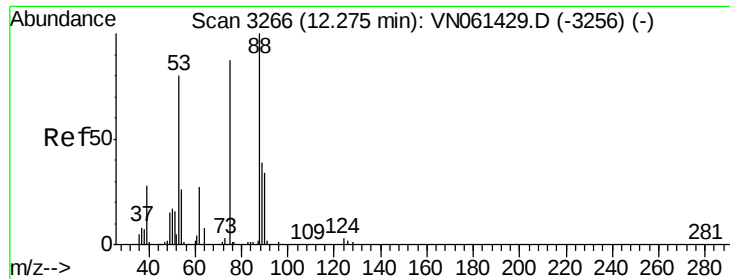
77 1.0 0.0 0.0#



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: 70.802 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

SS052MW128-200514

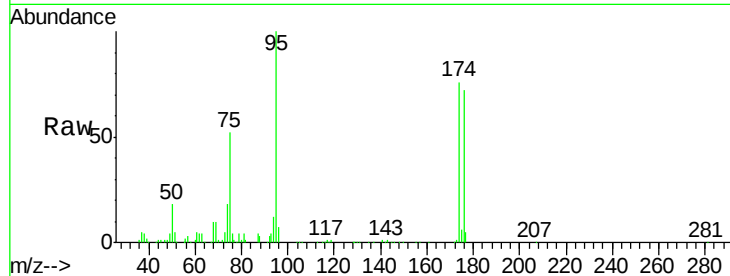
Tot Ion: 75 Resp: 119557

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

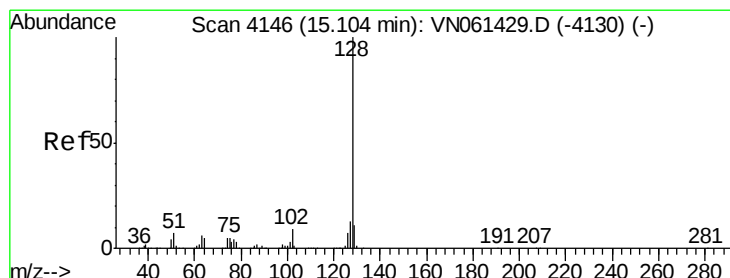
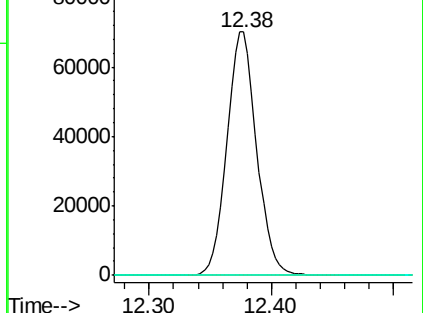
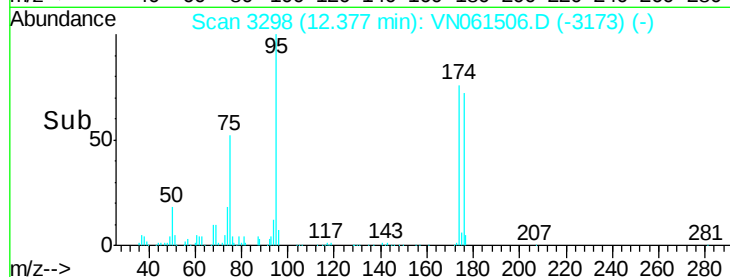
89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061506.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061506.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061506.D (-3173) (-)



#95

Naphthalene

Concen: 0.324 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN061506.D

Acq: 20 May 2020 17:27

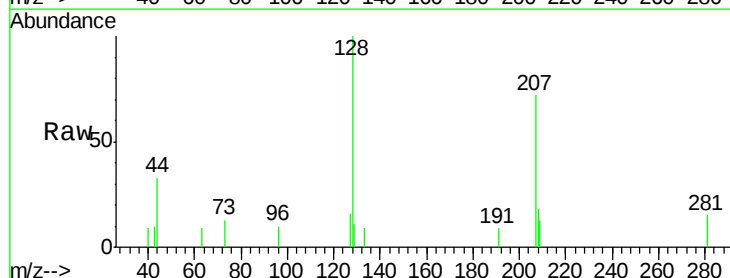
Tgt Ion: 128 Resp: 3570

Ion Ratio Lower Upper

128 100

127 9.5 10.1 15.1#

129 9.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN061506.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN061506.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN061506.D (-4053) (-)

