

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057449.D
 Acq On : 22 Aug 2019 22:32
 Operator : JC/SP
 Sample : K4403-31
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(2.5)

Quant Time: Aug 23 05:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	450955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	778201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	656652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	162611	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	369656	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	7.57	113	252833	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.09	98	1000963	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	279505	41.50	ug/l	0.00
Spiked Amount			Recovery	=	83.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1601	0.211	ug/l	94
5) Bromomethane	2.56	94	3870	0.679	ug/l #	68
8) Diethyl Ether	3.39	74	1082	Below Cal		76
9) 1,1,2-Trichlorotrifluoroet	3.65	101	202	Below Cal #		10
11) Tert butyl alcohol	4.78	59	677	0.687	ug/l #	25
13) Acrolein	3.56	56	271	0.313	ug/l #	13
16) Acetone	3.80	43	10449	2.868	ug/l	91
17) Carbon Disulfide	4.02	76	3038	0.207	ug/l #	71
18) Methyl Acetate	4.30	43	10345	0.369	ug/l #	91
20) Methylene Chloride	4.52	84	10764	1.921	ug/l #	90
31) Cyclohexane	7.65	56	14594	1.310	ug/l #	17
36) 1,1-Dichloropropene	7.65	75	44231	5.562	ug/l #	50
38) Carbon Tetrachloride	7.65	117	47750	6.045	ug/l #	17
43) Isopropyl Acetate	8.16	43	113859	7.903	ug/l	99
46) Dibromomethane	9.22	93	70	Below Cal #		36
48) Methyl methacrylate	9.26	41	165021	24.087	ug/l #	48
49) 1,4-Dioxane	9.21	88	78	0.880	ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	6887	0.858	ug/l #	81
54) cis-1,3-Dichloropropene	9.90	75	45537	4.403	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	6693	0.691	ug/l #	46
58) 2-Chloroethyl Vinyl ether	9.69	63	98	17.102	ug/l #	52
59) 2-Hexanone	10.76	43	107914	19.595	ug/l #	55
71) Bromoform	12.41	173	2527	0.734	ug/l #	1
73) Isopropylbenzene	12.25	105	799	Below Cal #		50
74) N-amyl acetate	12.03	43	4826	Below Cal #		57
75) 1,1,2,2-Tetrachloroethane	12.50	83	259	Below Cal #		55
76) 1,2,3-Trichloropropane	12.40	75	161745	44.529	ug/l #	100
77) Bromobenzene	12.53	156	64	Below Cal #		20
78) n-propylbenzene	12.59	91	1722	Below Cal #		67
79) 2-Chlorotoluene	12.67	91	374	Below Cal		94
80) 1,3,5-Trimethylbenzene	12.74	105	1490	Below Cal		90
81) trans-1,4-Dichloro-2-buten	12.40	75	161745	114.212	ug/l #	9
82) 4-Chlorotoluene	12.78	91	1321	Below Cal		83
83) tert-Butylbenzene	12.99	119	733	Below Cal #		77

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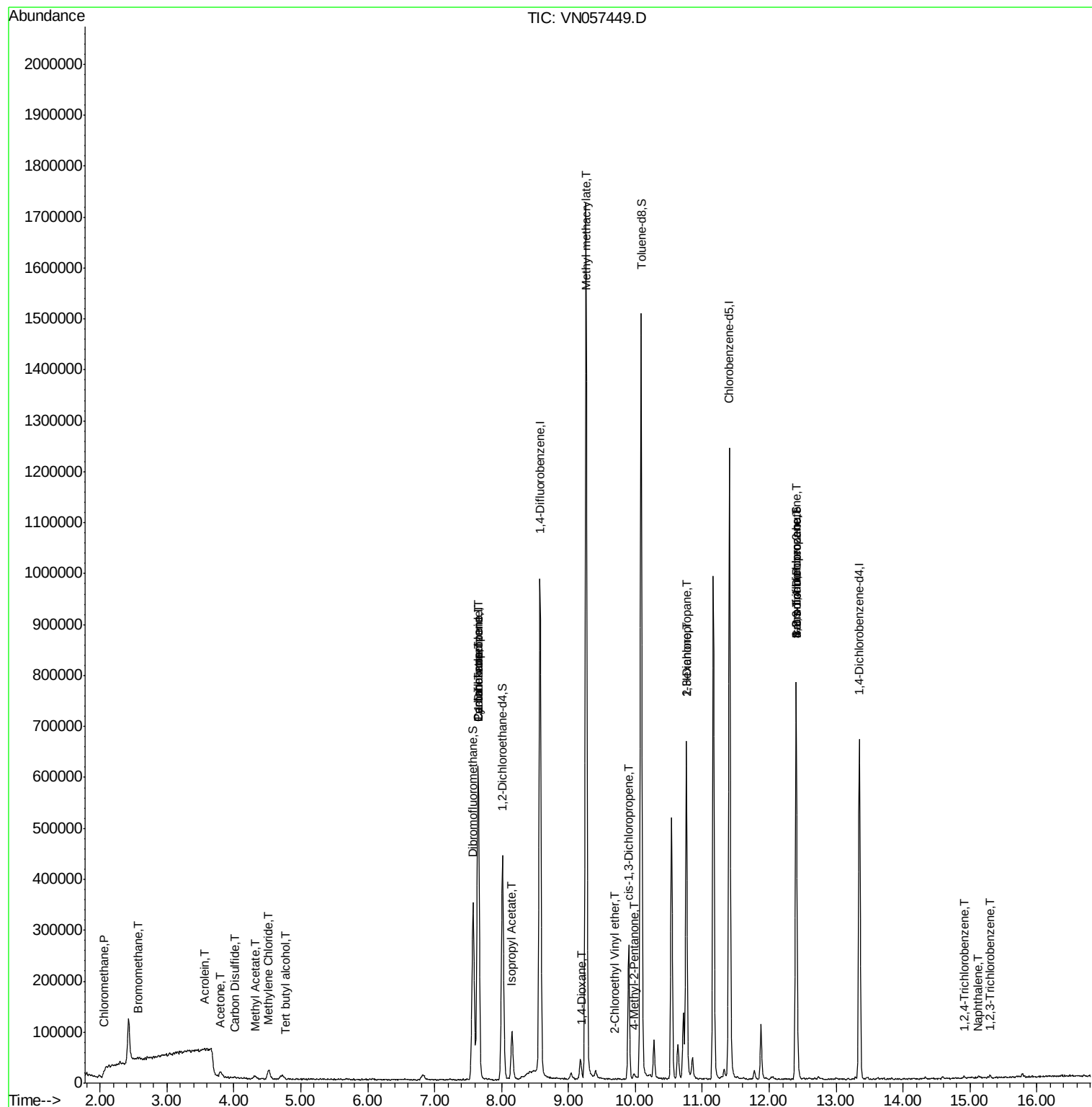
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.18	105	1295	Below Cal		91
90) Hexachloroethane	13.87	117	86	Below Cal	#	17
92) 1,2-Dibromo-3-Chloropropan	14.29	75	207	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.91	180	1039	5.829 ug/l	#	79
94) Hexachlorobutadiene	15.01	225	149	Below Cal	#	57
95) Naphthalene	15.13	128	2168	4.645 ug/l	#	92
96) 1,2,3-Trichlorobenzene	15.30	180	970	5.545 ug/l		87

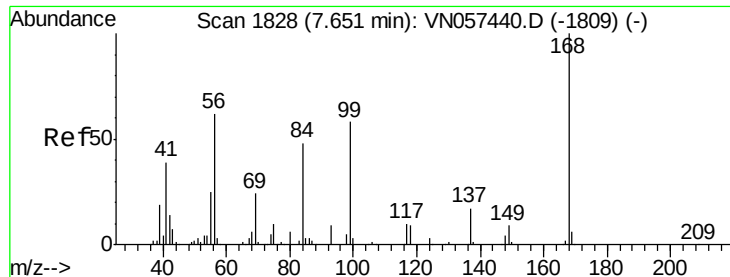
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampleId :

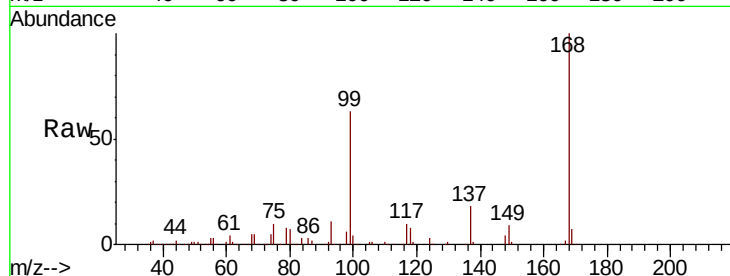
T1-G-(2.5)

Tgt Ion:168 Resp: 450955

Ion Ratio Lower Upper

168 100

99 63.2 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

200000

150000

100000

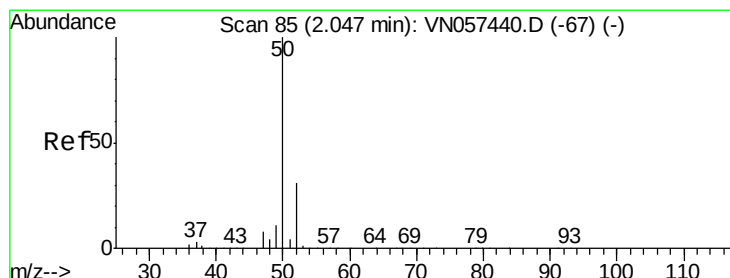
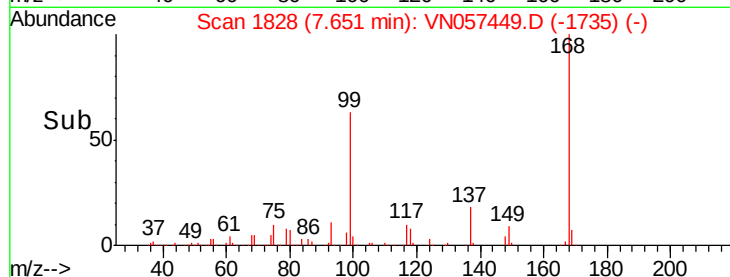
50000

0

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.211 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057449.D

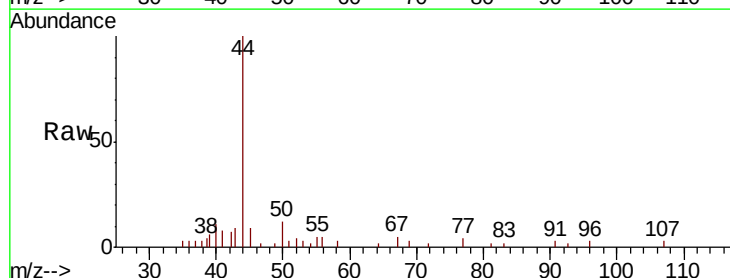
Acq: 22 Aug 2019 22:32

Tgt Ion: 50 Resp: 1601

Ion Ratio Lower Upper

50 100

52 35.0 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN057440.D (-67) (-)

Ion 51.90 (51.60 to 52.60): VN057440.D (-67) (-)

2.05

1000

800

600

400

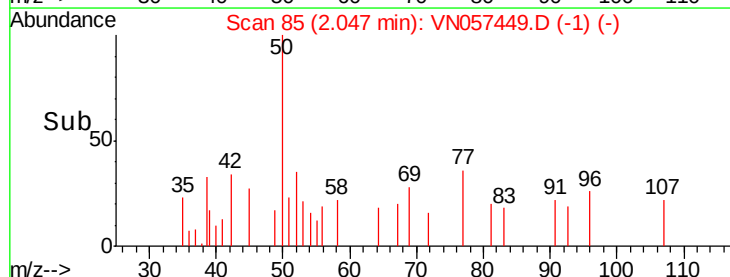
200

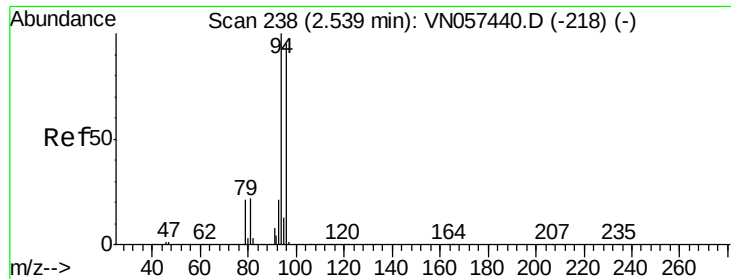
0

2.00

2.05

Time-->





#5

Bromomethane

Concen: 0.679 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

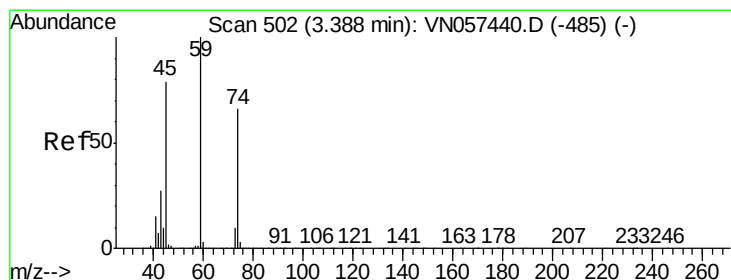
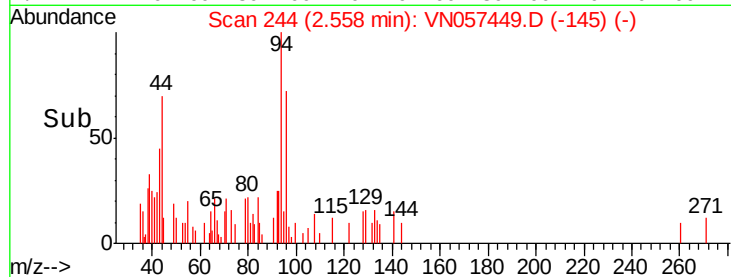
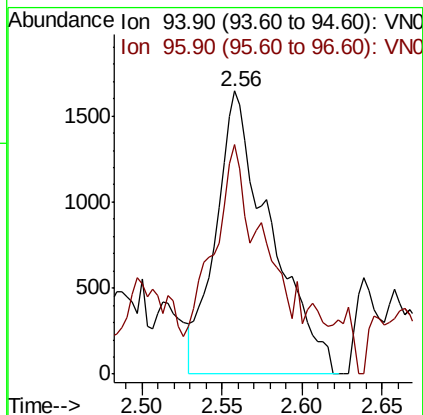
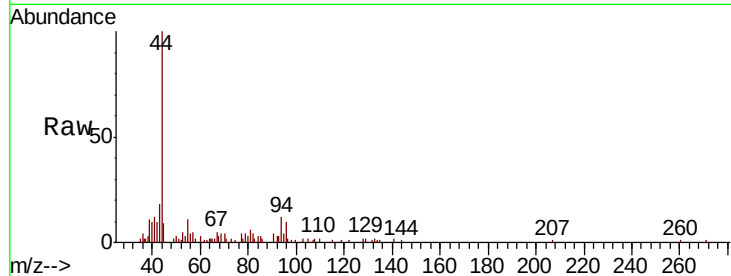
T1-G-(2.5)

Tgt Ion: 94 Resp: 3870

Ion Ratio Lower Upper

94 100

96 64.4 76.2 114.4#



#8

Diethyl Ether

Concen: Below Cal

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN057449.D

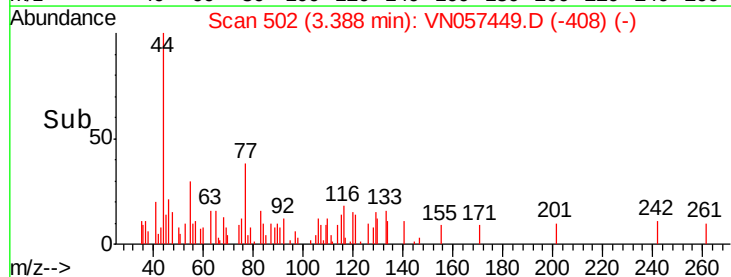
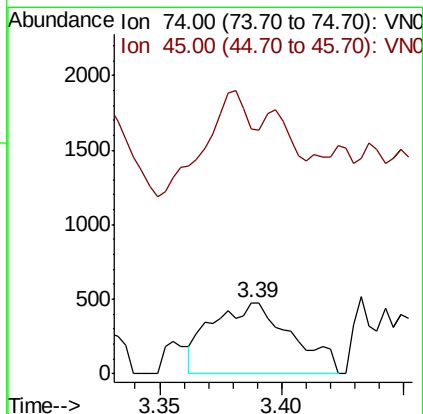
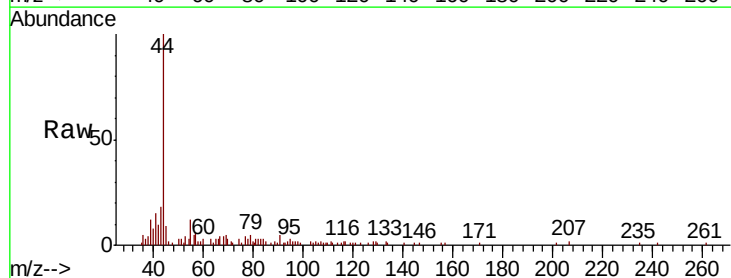
Acq: 22 Aug 2019 22:32

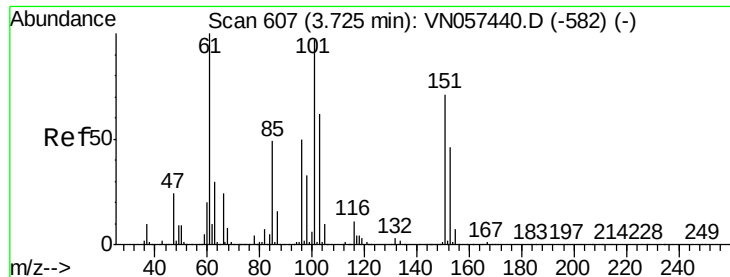
Tgt Ion: 74 Resp: 1082

Ion Ratio Lower Upper

74 100

45 89.3 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.65 min Scan# 585

Delta R.T. -0.07 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(2.5)

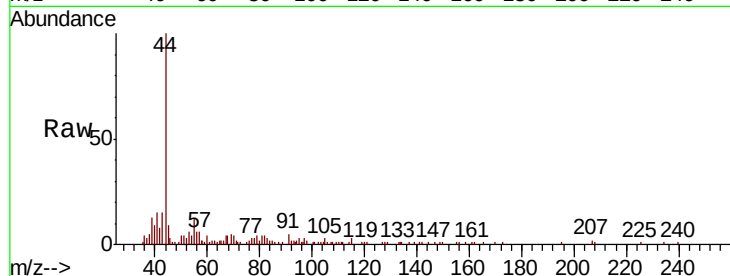
Tgt Ion:101 Resp: 202

Ion Ratio Lower Upper

101 100

85 115.8 40.0 60.0#

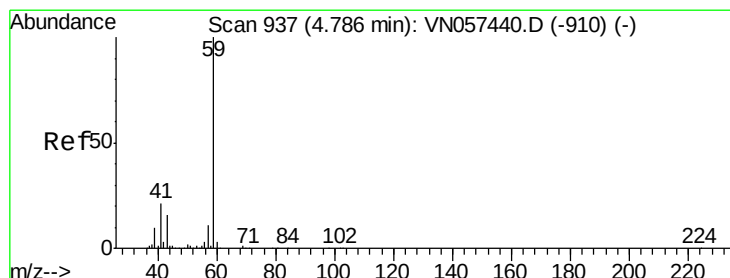
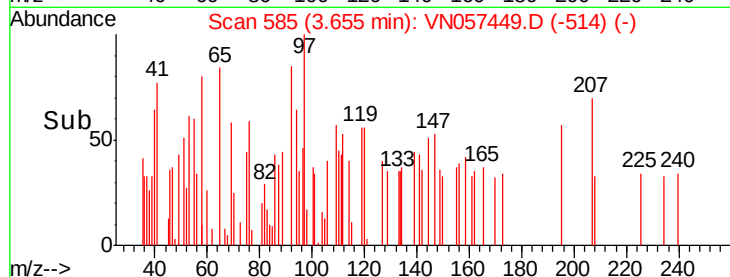
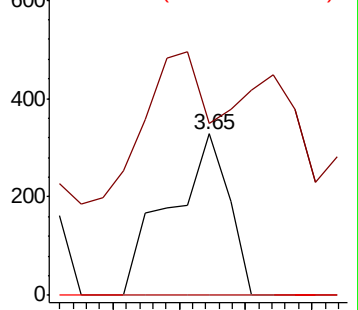
151 0.0 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.687 ug/l

RT: 4.78 min Scan# 936

Delta R.T. -0.00 min

Lab File: VN057449.D

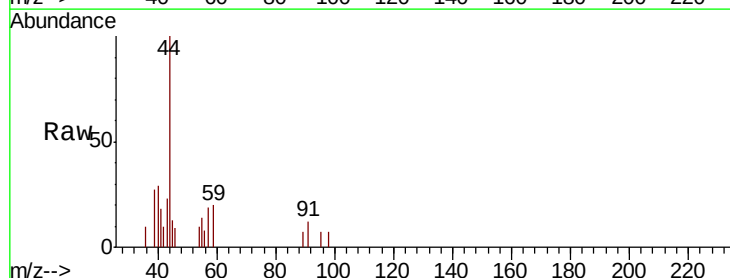
Acq: 22 Aug 2019 22:32

Tgt Ion: 59 Resp: 677

Ion Ratio Lower Upper

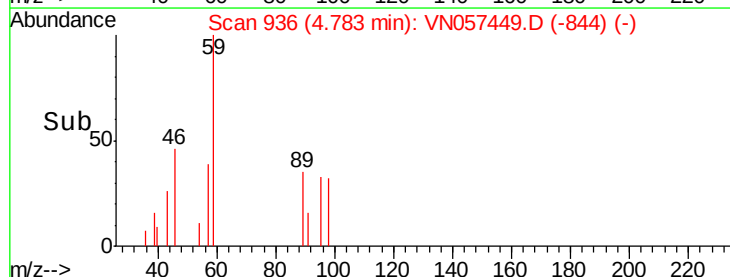
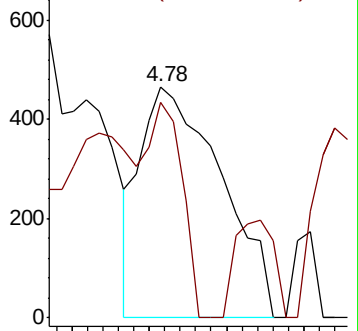
59 100

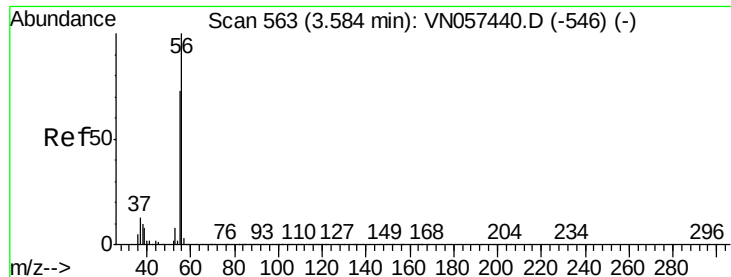
57 40.2 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.313 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.02 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampleId :

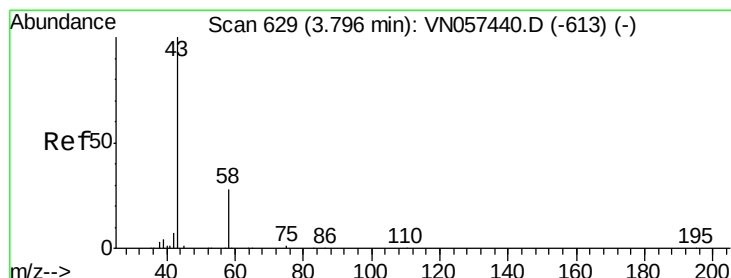
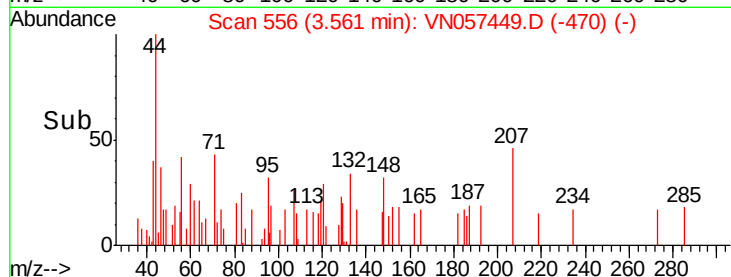
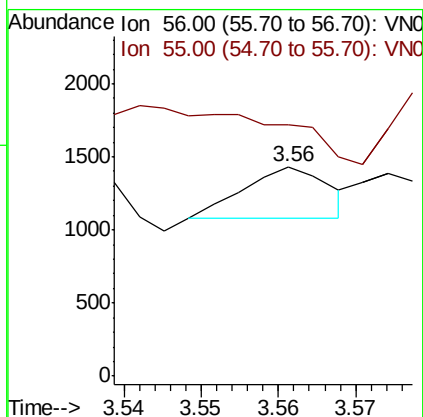
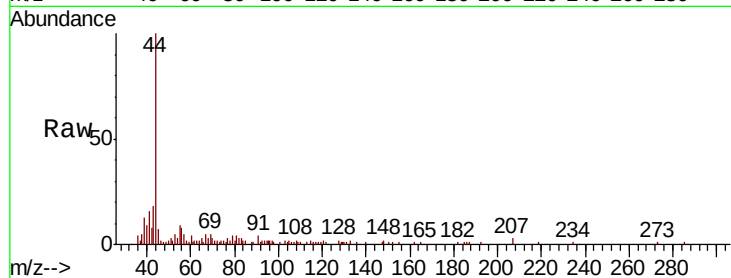
T1-G-(2.5)

Tgt Ion: 56 Resp: 271

Ion Ratio Lower Upper

56 100

55 0.0 59.0 88.4#



#16

Acetone

Concen: 2.868 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057449.D

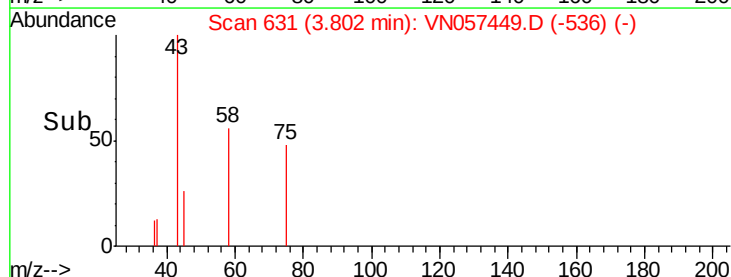
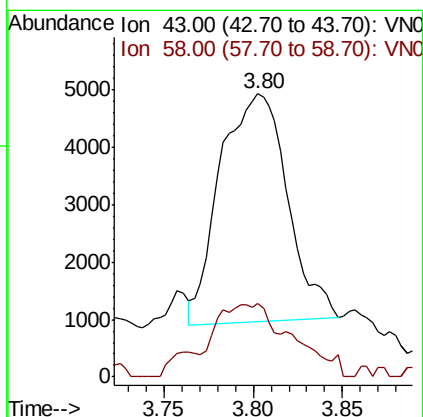
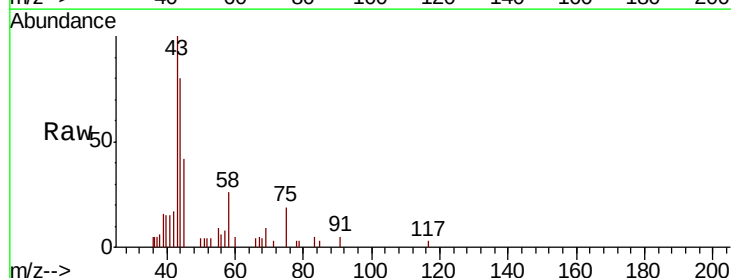
Acq: 22 Aug 2019 22:32

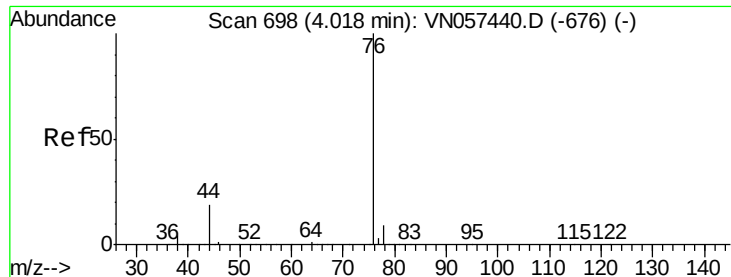
Tgt Ion: 43 Resp: 10449

Ion Ratio Lower Upper

43 100

58 22.9 22.1 33.1





#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.01 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampleId :

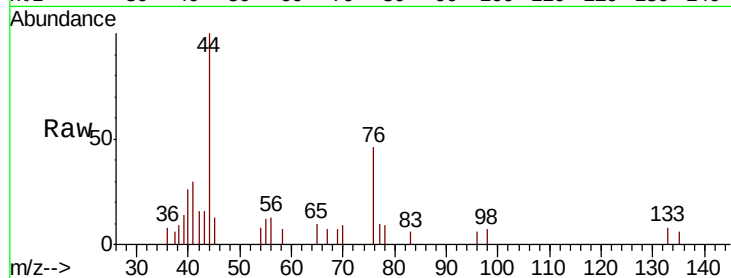
T1-G-(2.5)

Tgt Ion: 76 Resp: 3038

Ion Ratio Lower Upper

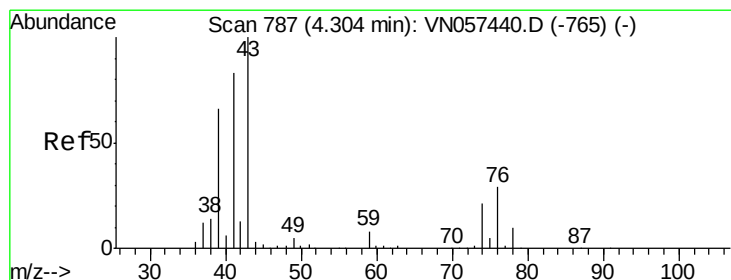
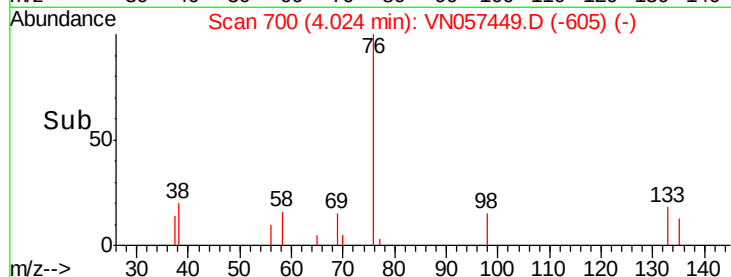
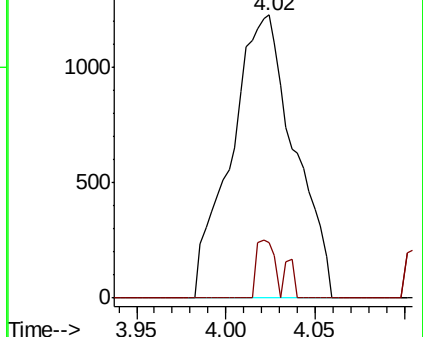
76 100

78 19.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.369 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057449.D

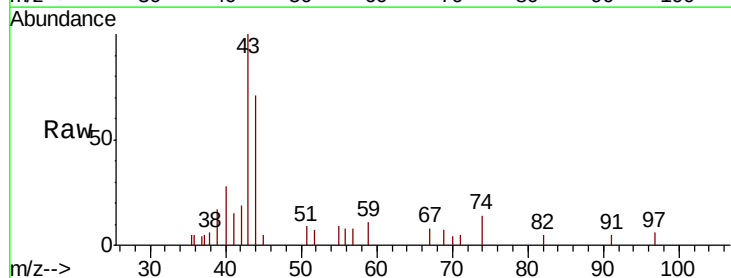
Acq: 22 Aug 2019 22:32

Tgt Ion: 43 Resp: 10345

Ion Ratio Lower Upper

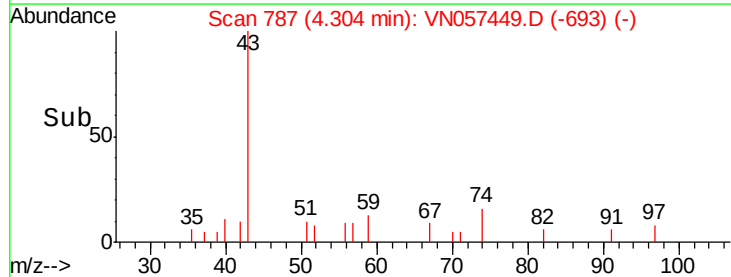
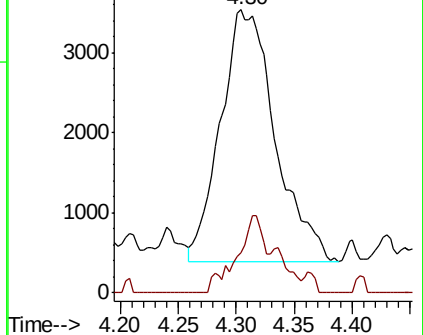
43 100

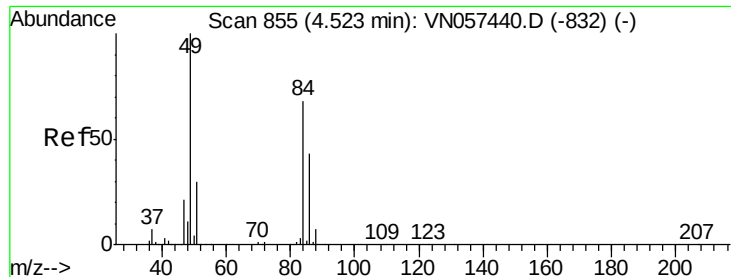
74 15.8 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: 1.921 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

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ClientSampleId :

T1-G-(2.5)

Tgt Ion: 84 Resp: 10764

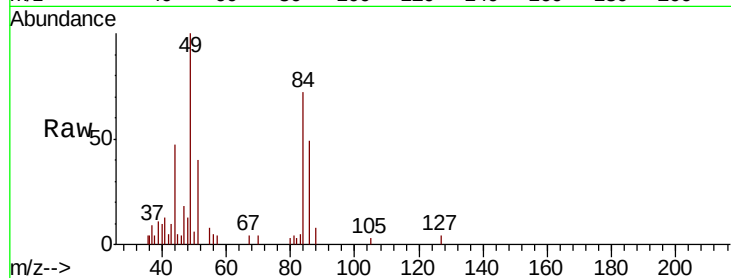
Ion Ratio Lower Upper

84 100

49 135.0 117.0 175.4

51 56.1 35.5 53.3#

86 68.5 49.8 74.8

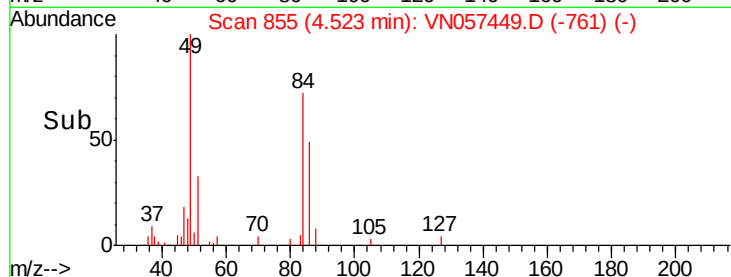
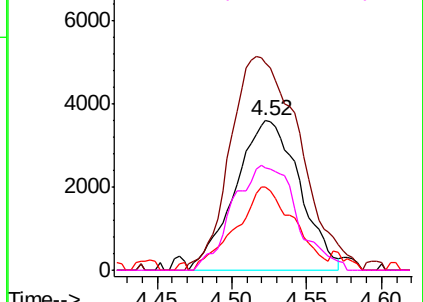


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

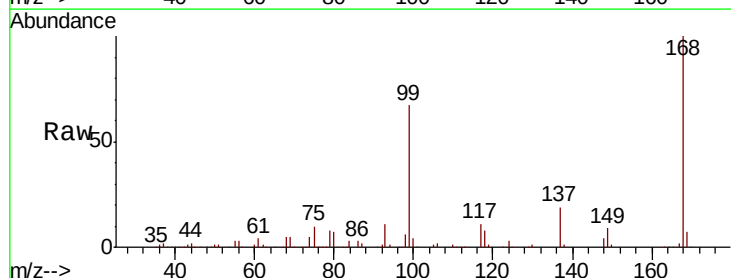
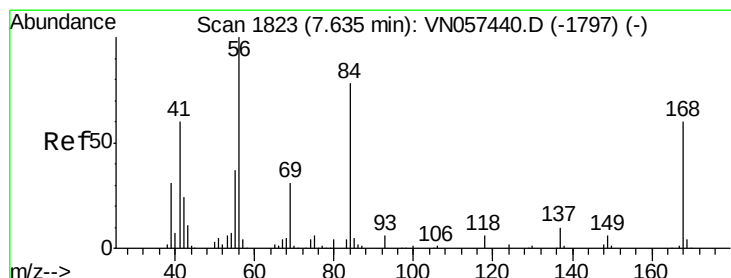
Tgt Ion: 56 Resp: 14594

Ion Ratio Lower Upper

56 100

69 163.3 25.0 37.6#

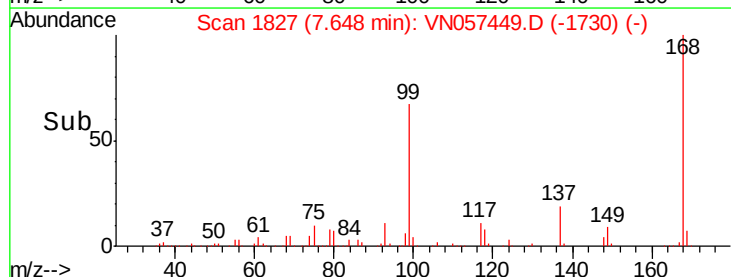
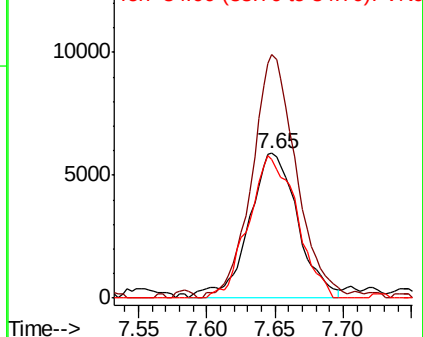
84 95.9 62.5 93.7#

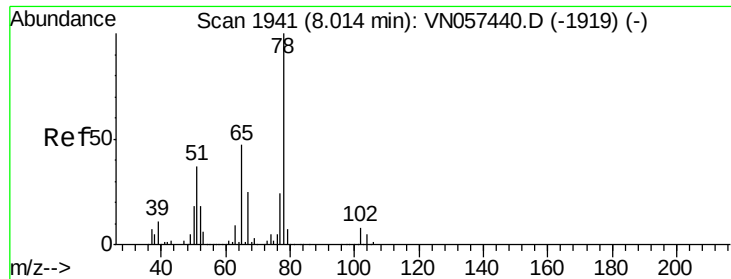


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

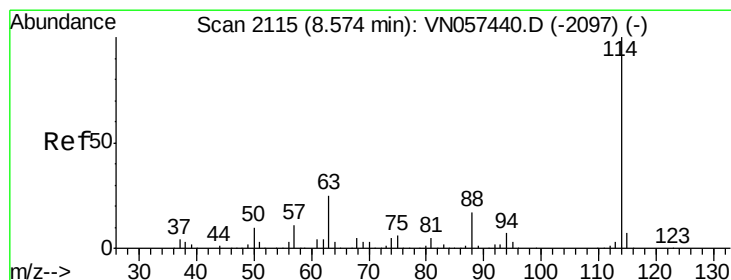
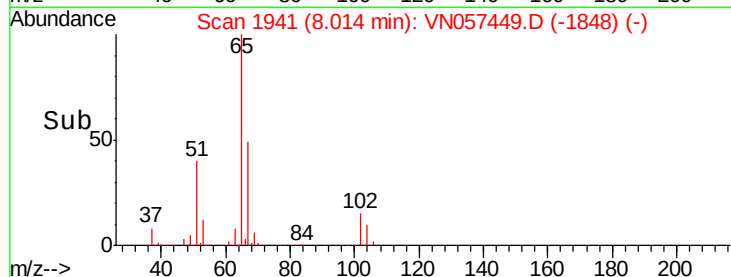
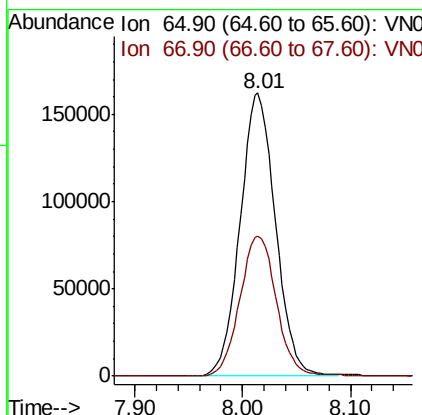
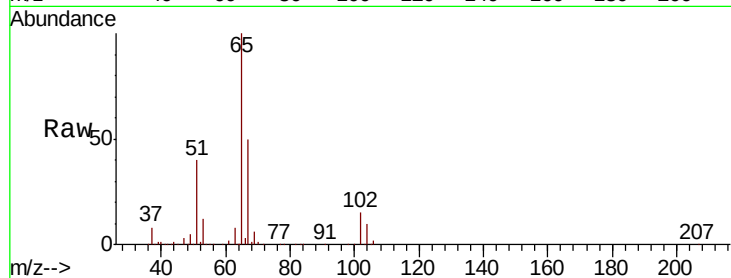




#33
 1,2-Dichloroethane-d4
 Concen: 46.598 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057449.D
 Acq: 22 Aug 2019 22:32

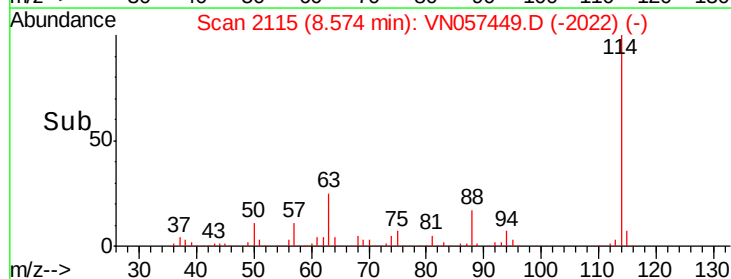
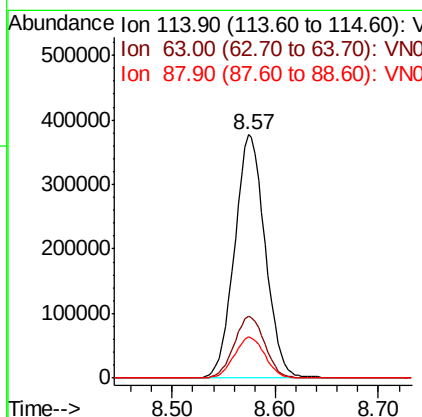
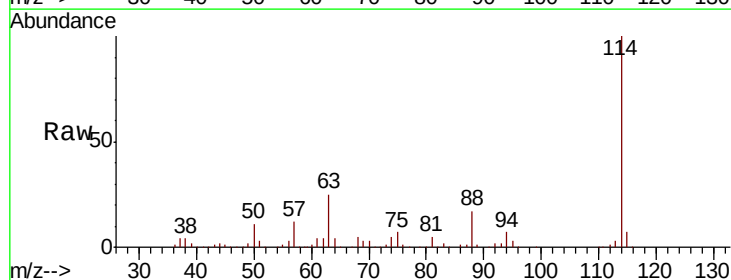
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(2.5)

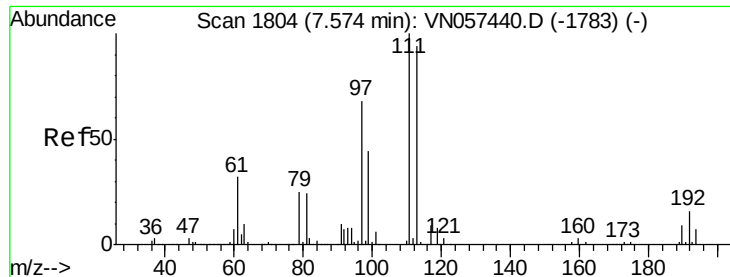
Tgt Ion: 65 Resp: 369656
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057449.D
 Acq: 22 Aug 2019 22:32

Tgt Ion: 114 Resp: 778201
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 50.2
 88 16.8 0.0 34.6





#35

Dibromofluoromethane

Concen: 48.100 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

T1-G-(2.5)

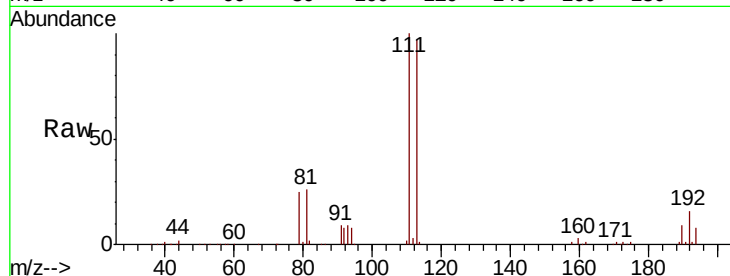
Tgt Ion:113 Resp: 252833

Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

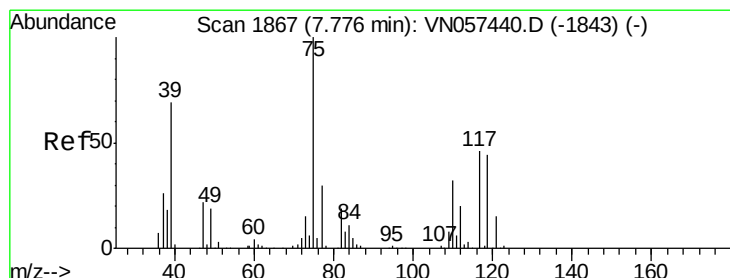
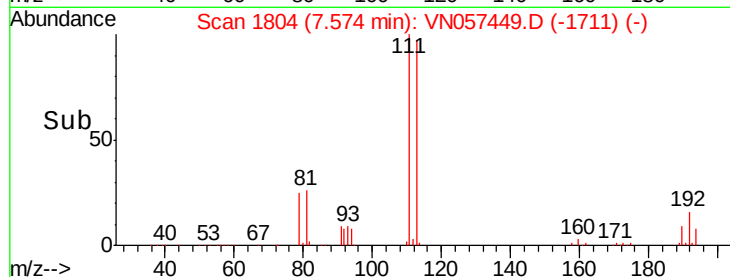
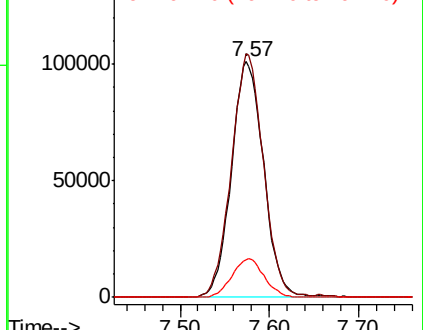
192 16.4 13.5 20.3



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: 5.562 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

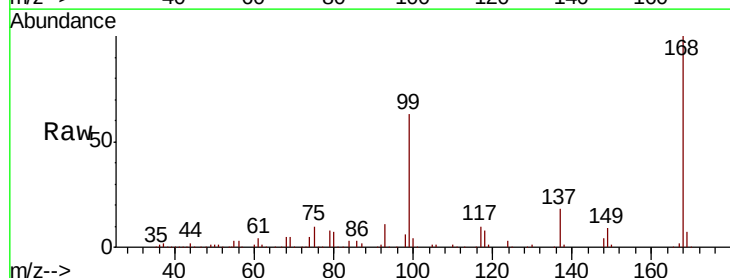
Tgt Ion: 75 Resp: 44231

Ion Ratio Lower Upper

75 100

110 7.0 16.1 48.3#

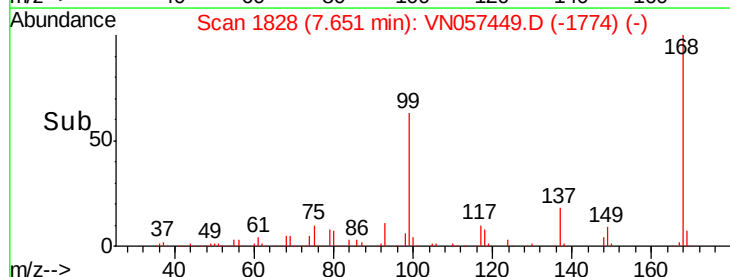
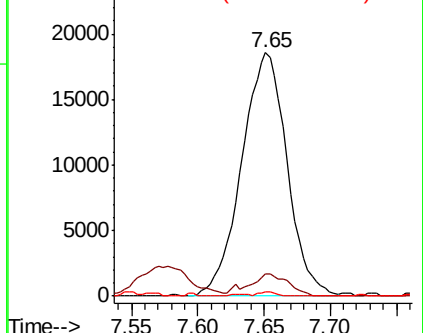
77 0.6 24.8 37.2#

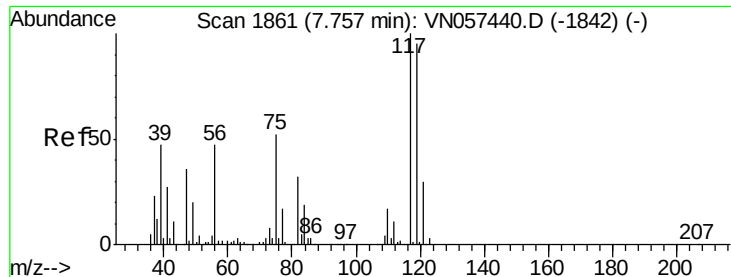


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

T1-G-(2.5)

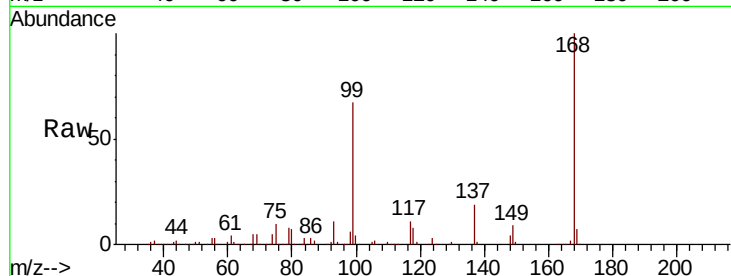
Tgt Ion:117 Resp: 47750

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

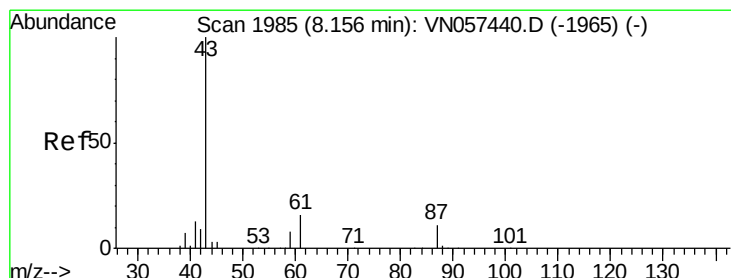
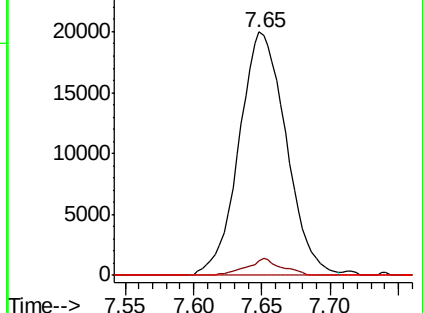
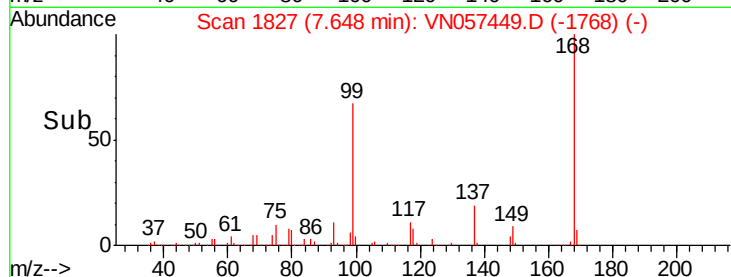
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 7.903 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

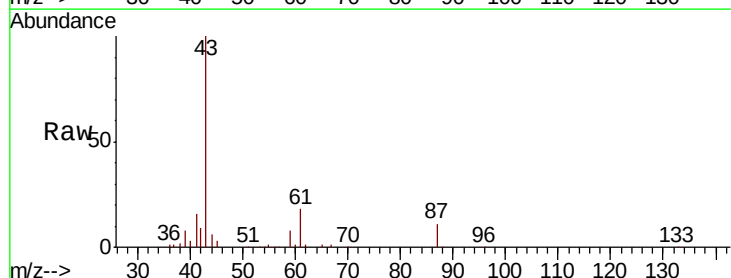
Tgt Ion: 43 Resp: 113859

Ion Ratio Lower Upper

43 100

61 18.5 14.5 21.7

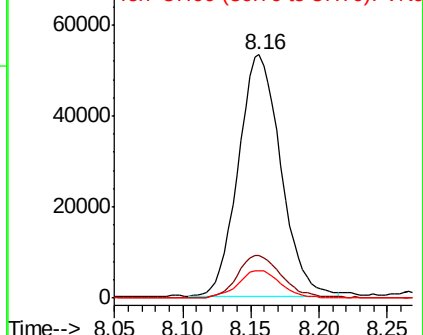
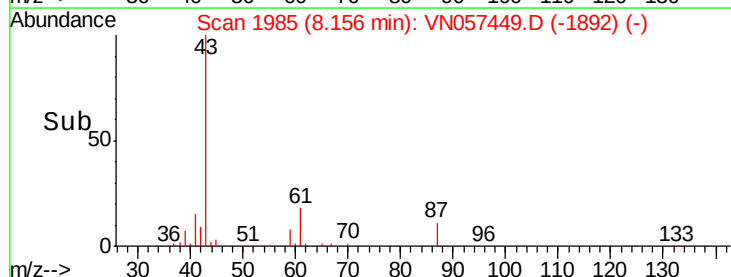
87 11.5 8.6 12.8

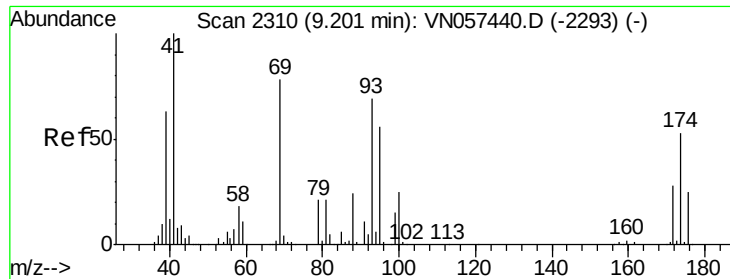


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

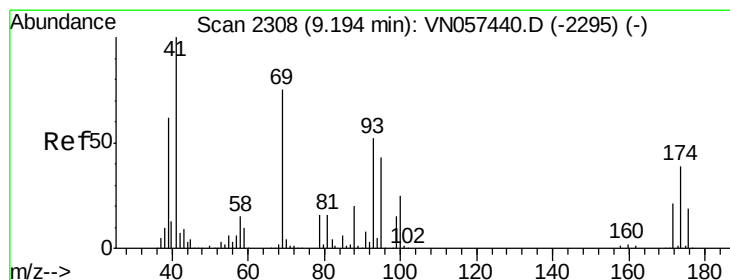
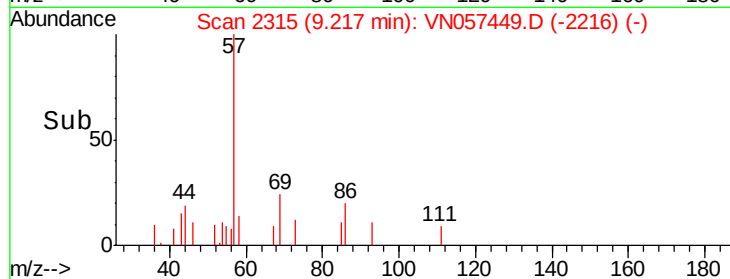
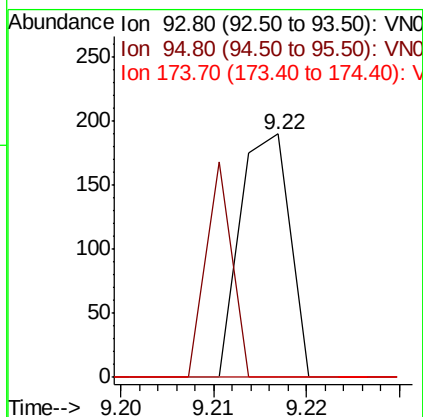
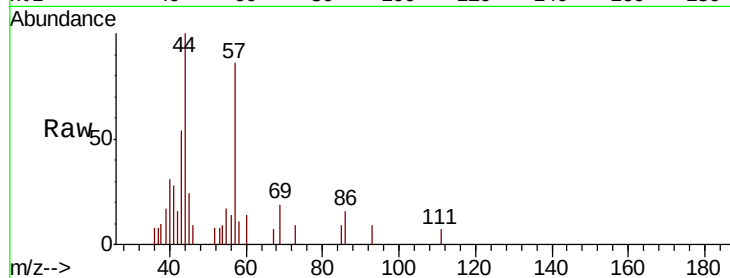




#46
 Dibromomethane
 Concen: Below Cal
 RT: 9.22 min Scan# 2315
 Delta R.T. 0.02 min
 Lab File: VN057449.D
 Acq: 22 Aug 2019 22:32

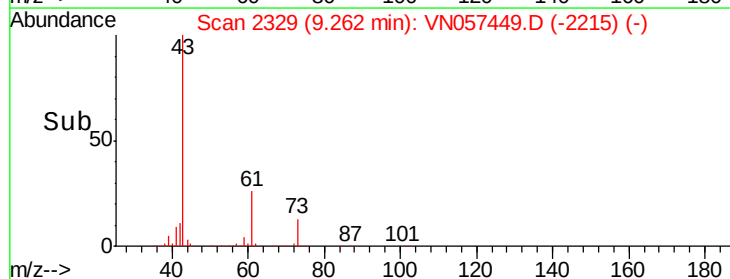
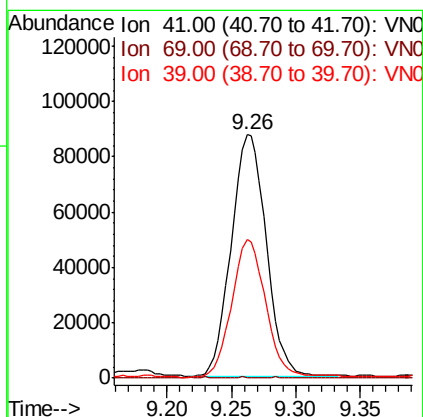
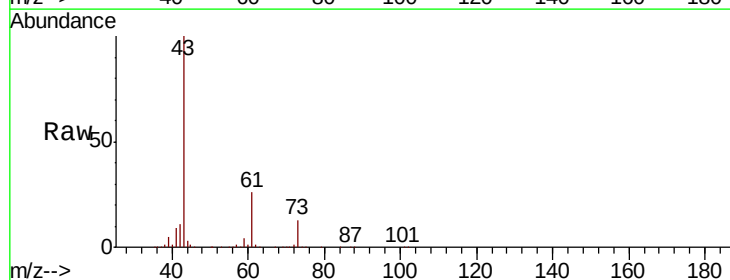
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(2.5)

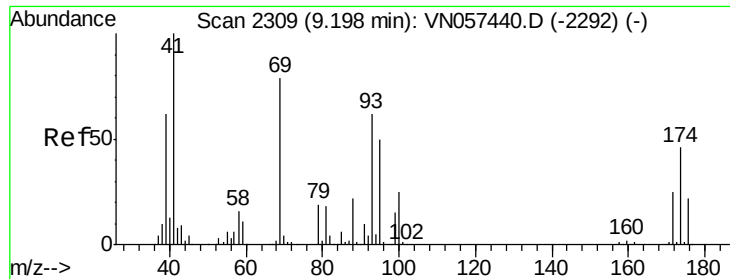
Tgt Ion: 93 Resp: 70
 Ion Ratio Lower Upper
 93 100
 95 45.7 64.7 97.1#
 174 0.0 62.3 93.5#



#48
 Methyl methacrylate
 Concen: 24.087 ug/l
 RT: 9.26 min Scan# 2329
 Delta R.T. 0.07 min
 Lab File: VN057449.D
 Acq: 22 Aug 2019 22:32

Tgt Ion: 41 Resp: 165021
 Ion Ratio Lower Upper
 41 100
 69 0.3 59.3 88.9#
 39 54.9 50.6 75.8

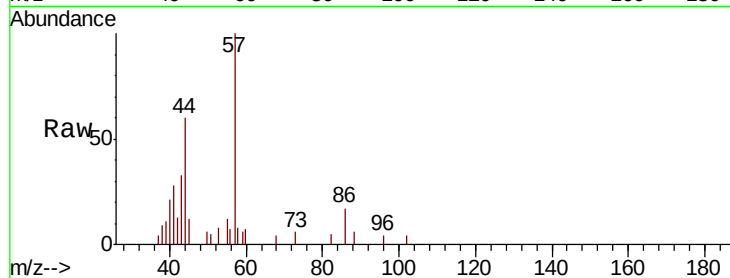




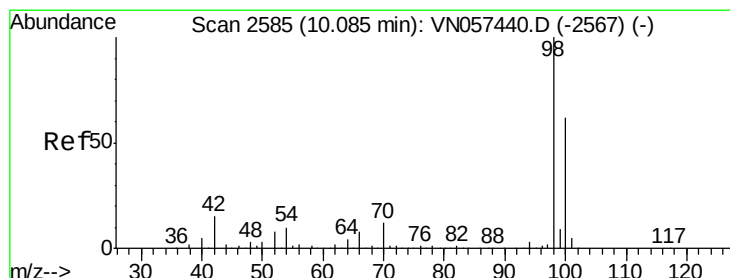
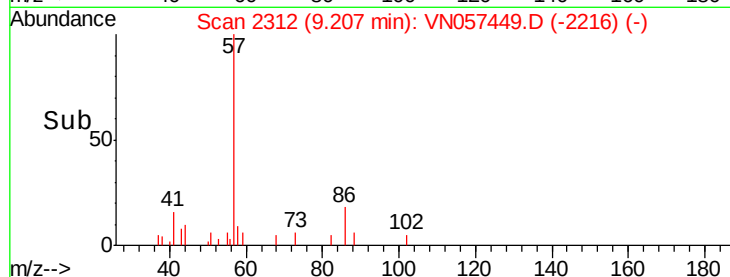
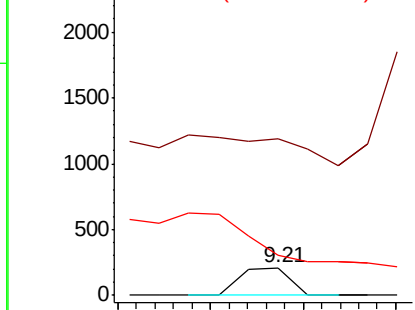
#49
1,4-Dioxane
Concen: 0.880 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

Instrument :
MSVOA_N
ClientSampleId :
T1-G-(2.5)

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 0.0 64.5 96.7#

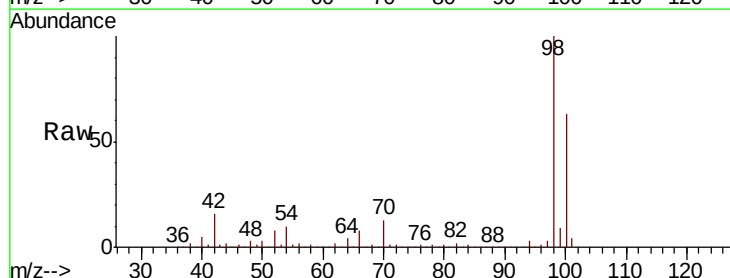


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

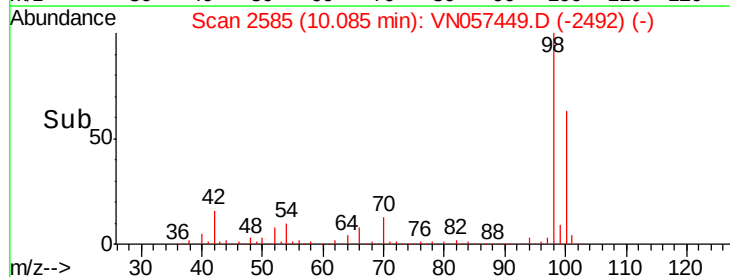
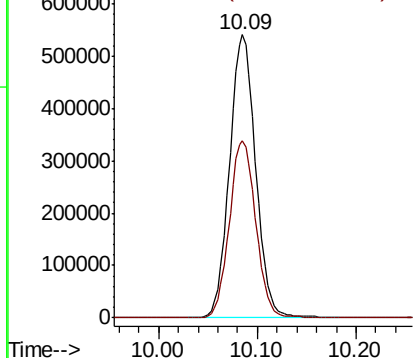


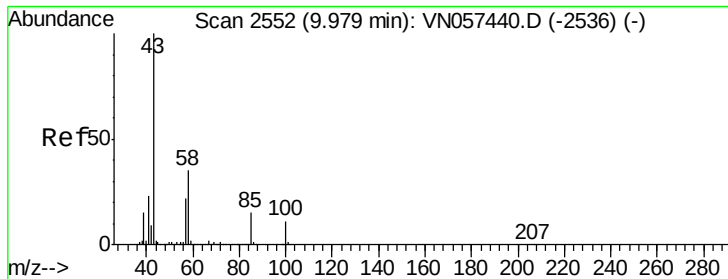
#50
Toluene-d8
Concen: 50.361 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

Tgt Ion: 98 Resp: 1000963
Ion Ratio Lower Upper
98 100
100 63.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.858 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

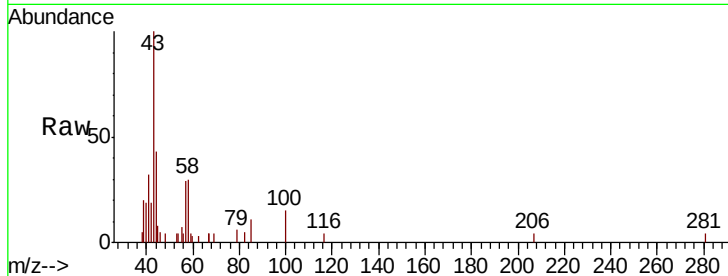
T1-G-(2.5)

Tgt Ion: 43 Resp: 6887

Ion Ratio Lower Upper

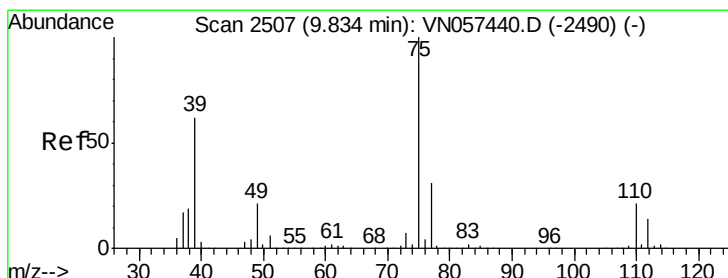
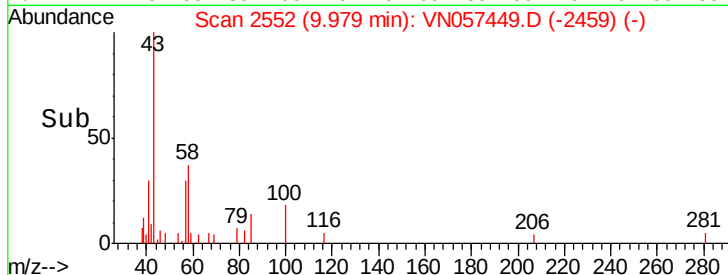
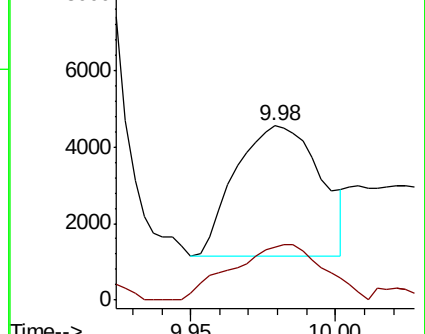
43 100

58 46.0 27.9 41.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.403 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

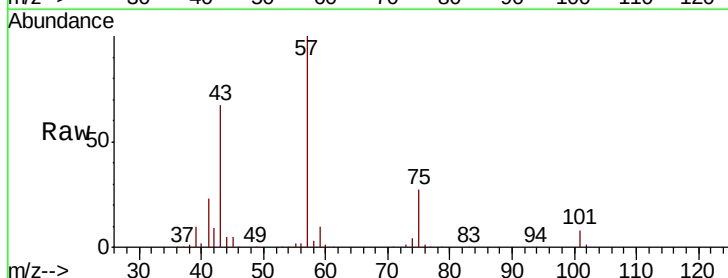
Tgt Ion: 75 Resp: 45537

Ion Ratio Lower Upper

75 100

77 0.9 25.0 37.6#

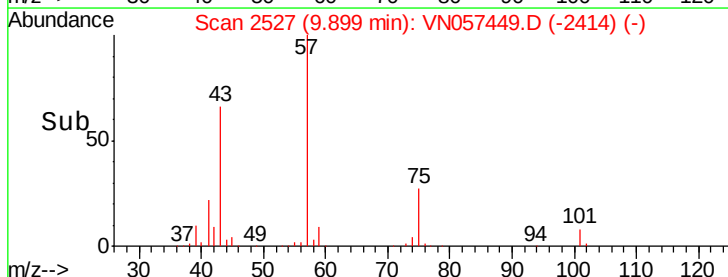
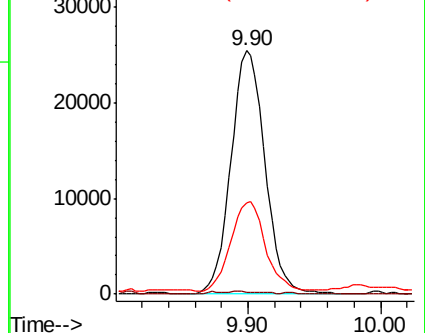
39 35.6 49.2 73.8#

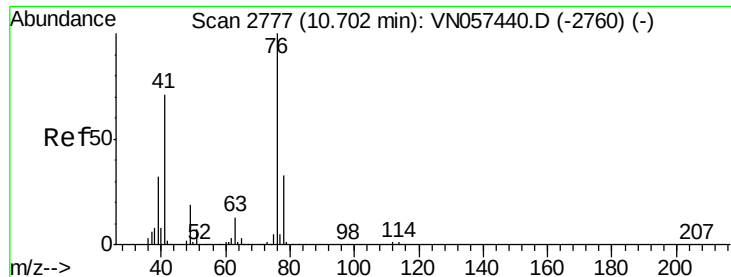


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.691 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

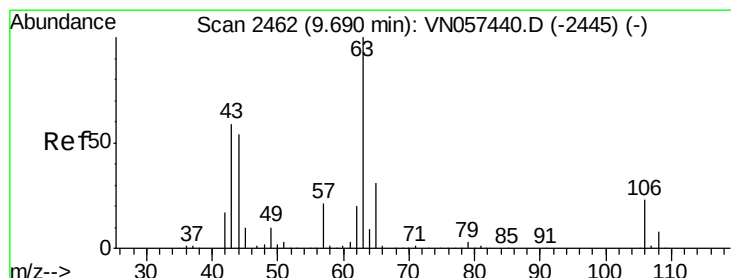
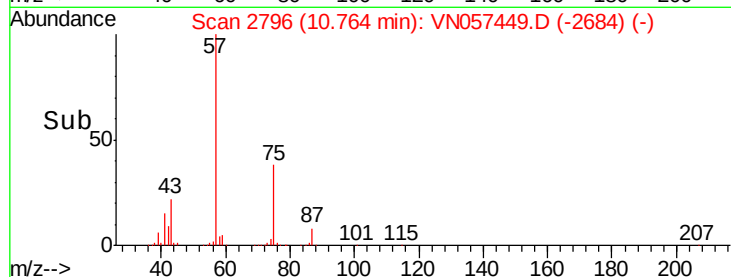
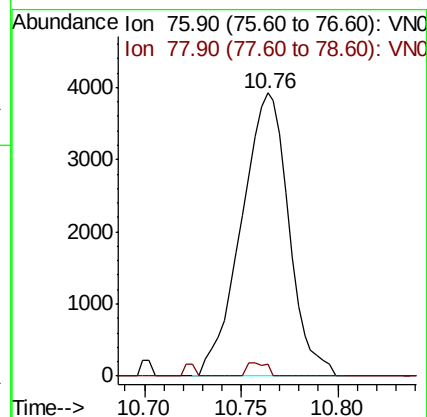
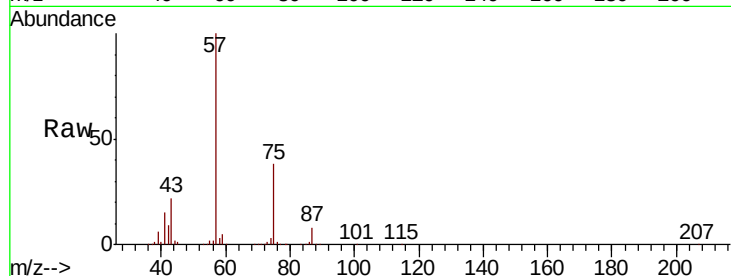
T1-G-(2.5)

Tgt Ion: 76 Resp: 6693

Ion Ratio Lower Upper

76 100

78 2.0 25.5 38.3#



#58

2-Chloroethyl Vinyl ether

Concen: 17.102 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057449.D

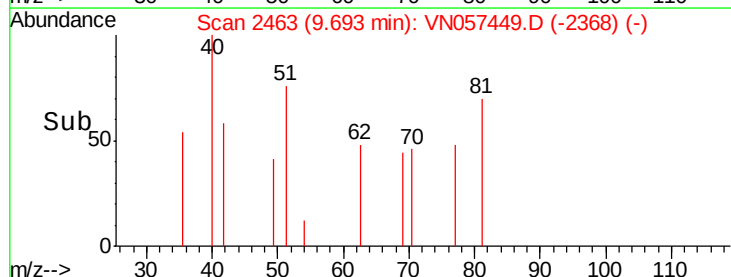
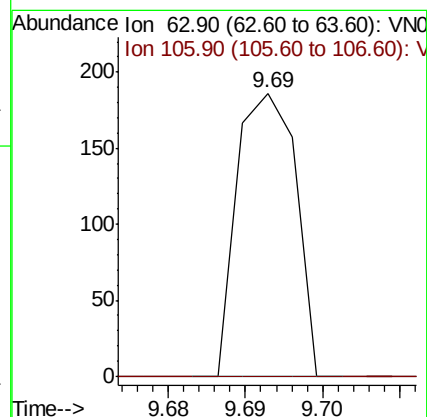
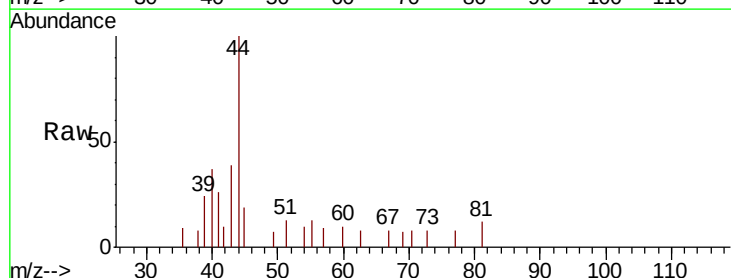
Acq: 22 Aug 2019 22:32

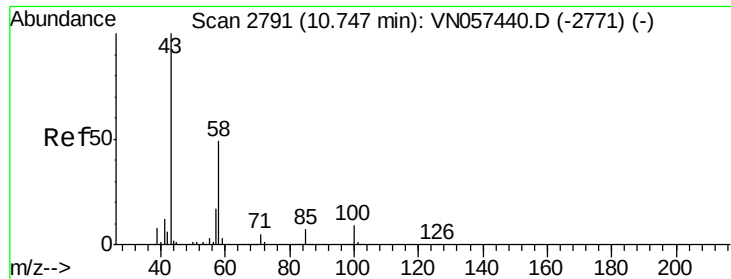
Tgt Ion: 63 Resp: 98

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#

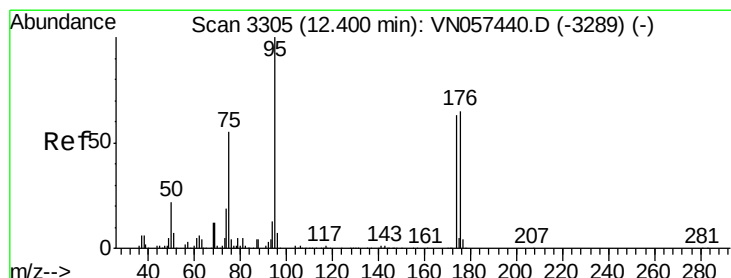
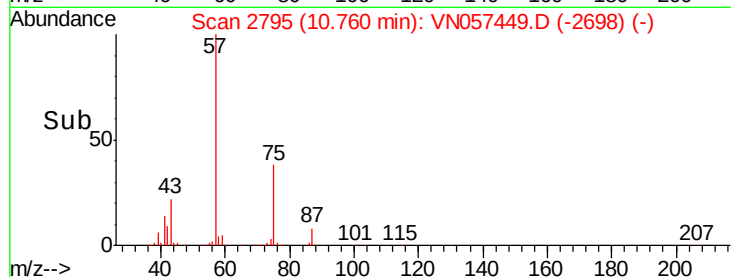
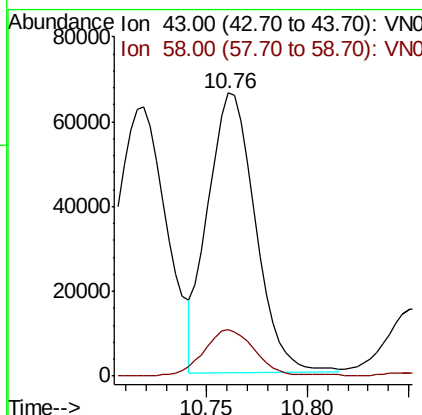
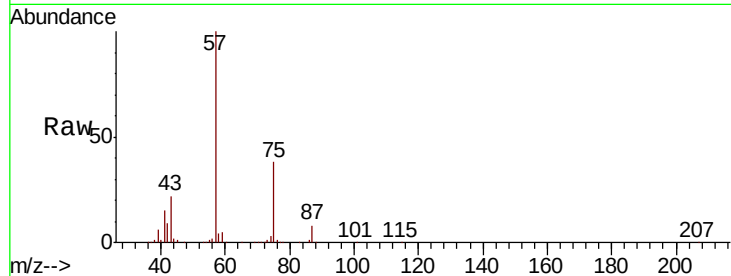




#59
2-Hexanone
Concen: 19.595 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

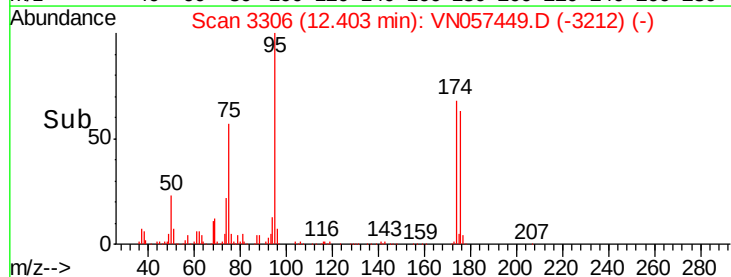
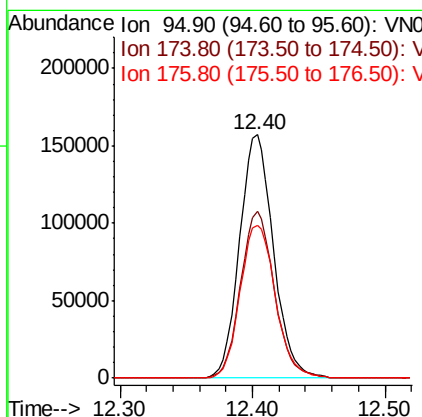
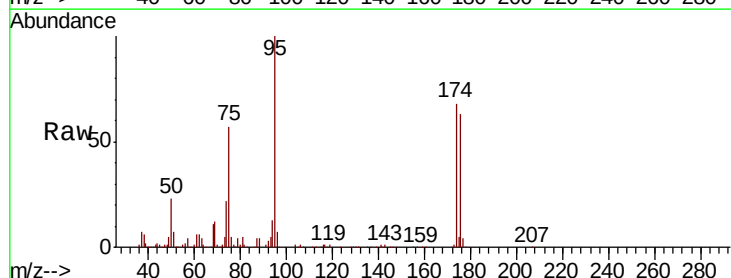
Instrument :
MSVOA_N
ClientSampleId :
T1-G-(2.5)

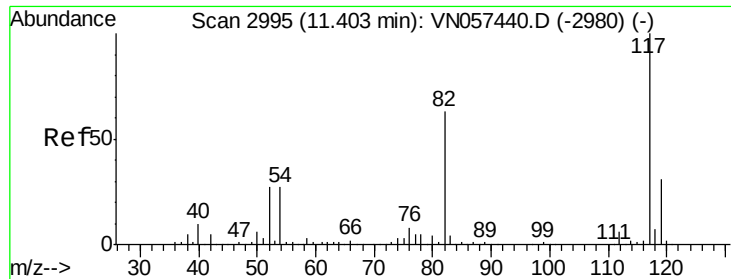
Tgt Ion: 43 Resp: 107914
Ion Ratio Lower Upper
43 100
58 18.3 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 41.497 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

Tgt Ion: 95 Resp: 279505
Ion Ratio Lower Upper
95 100
174 68.3 0.0 133.0
176 65.4 0.0 130.8

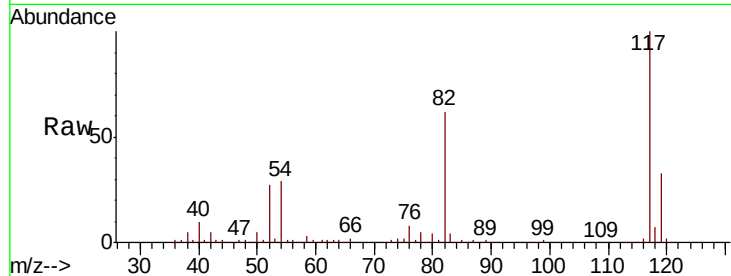




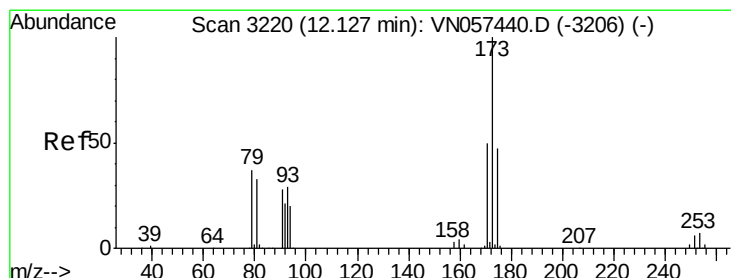
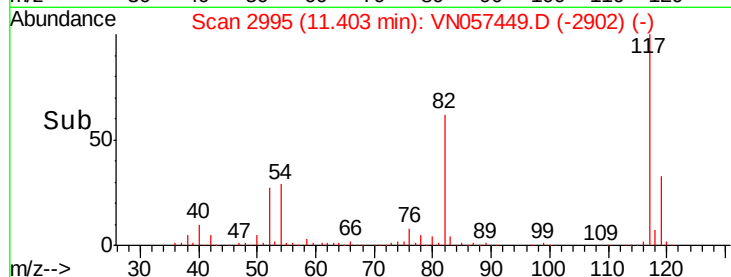
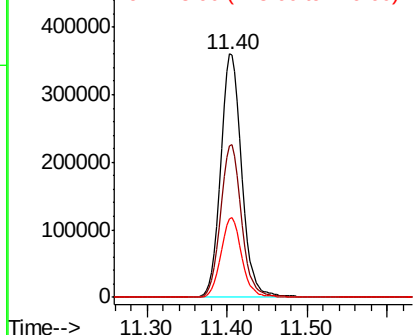
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

Instrument :
MSVOA_N
ClientSampled :
T1-G-(2.5)

Tgt Ion:117 Resp: 656652
Ion Ratio Lower Upper
117 100
82 62.0 50.6 75.8
119 32.5 24.6 36.8

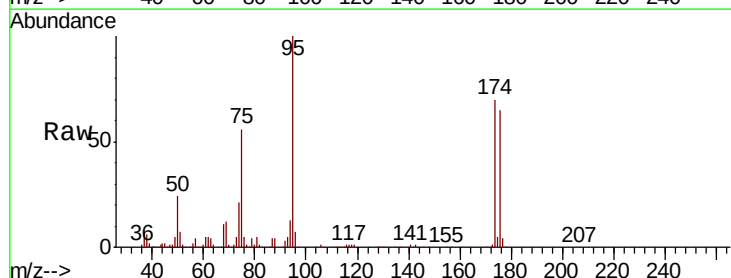


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

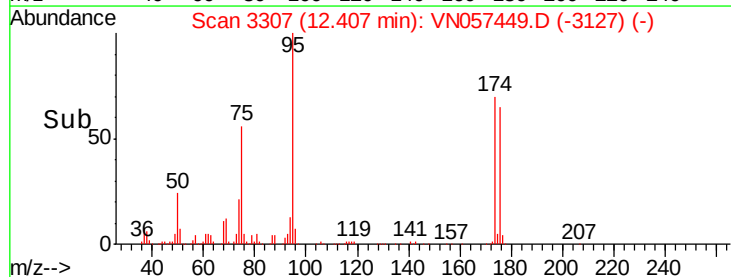
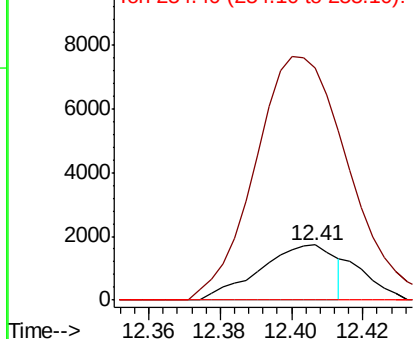


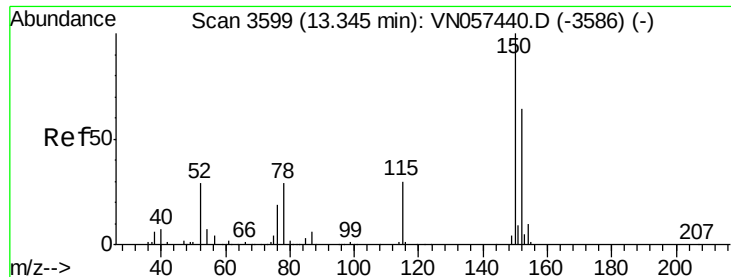
#71
Bromoform
Concen: 0.734 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

Tgt Ion:173 Resp: 2527
Ion Ratio Lower Upper
173 100
175 452.4 23.9 71.8#
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(2.5)

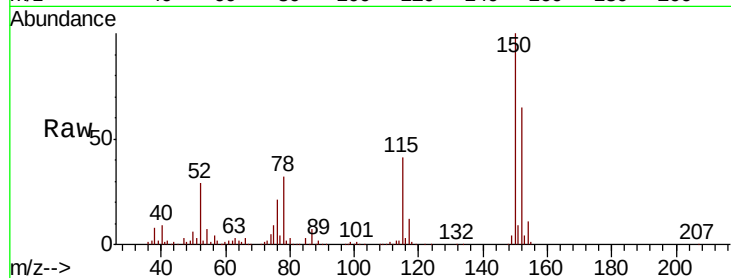
Tgt Ion:152 Resp: 162611

Ion Ratio Lower Upper

152 100

115 64.9 32.0 96.0

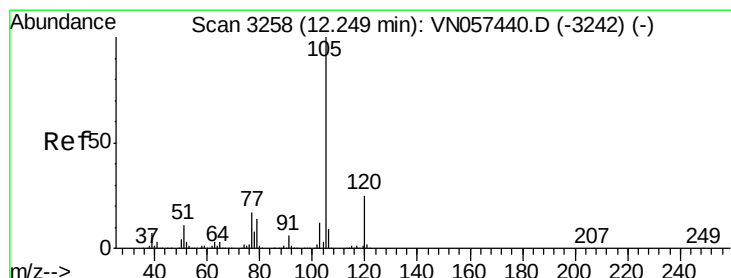
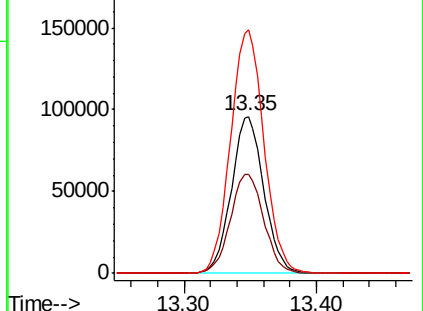
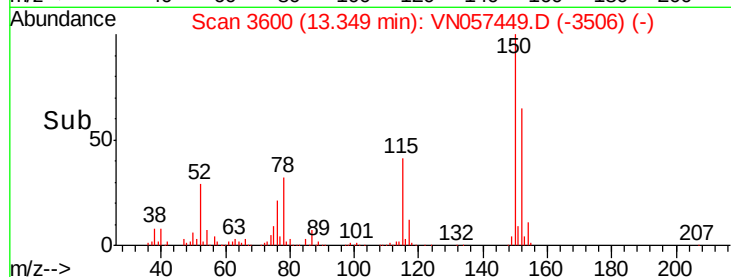
150 159.7 0.0 346.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057449.D

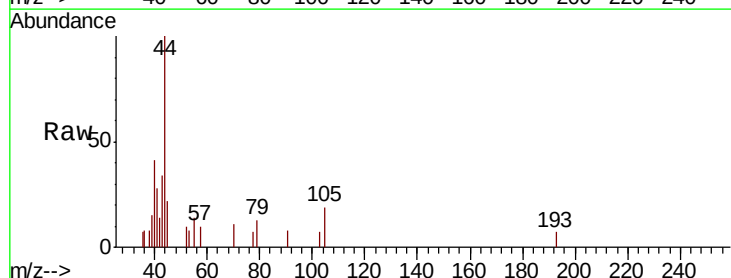
Acq: 22 Aug 2019 22:32

Tgt Ion:105 Resp: 799

Ion Ratio Lower Upper

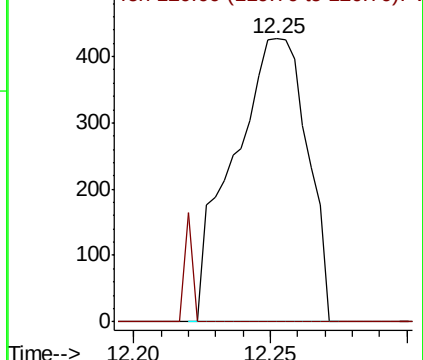
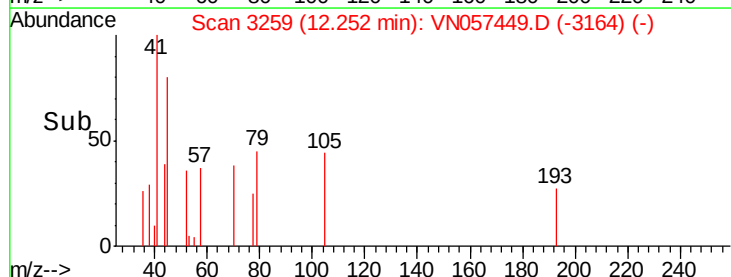
105 100

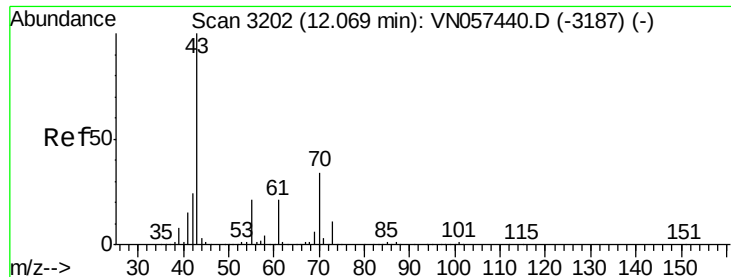
120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: Below Cal

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(2.5)

Tgt Ion: 43 Resp: 4826

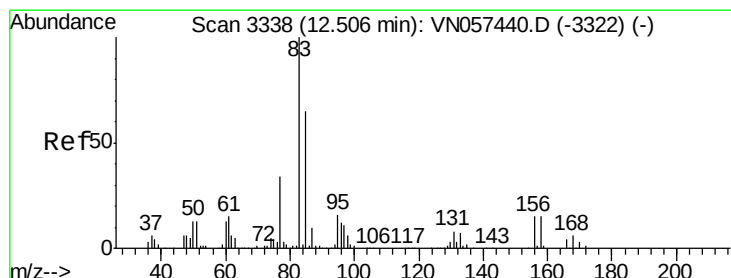
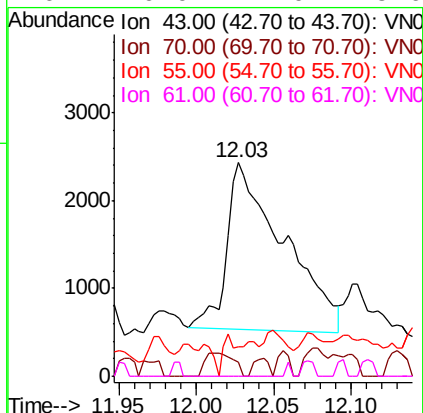
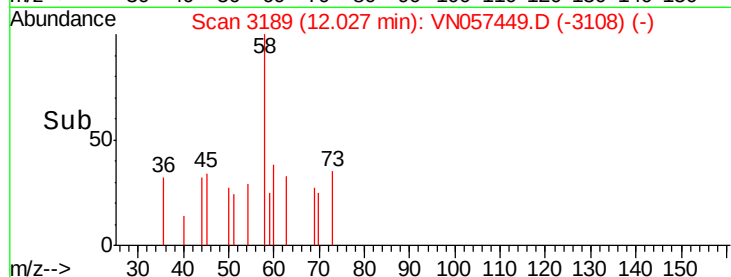
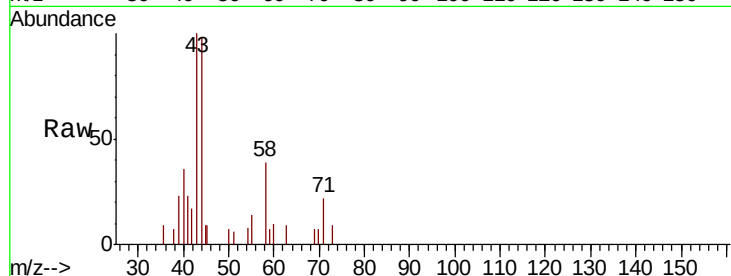
Ion Ratio Lower Upper

43 100

70 7.0 27.8 41.6#

55 5.9 17.0 25.4#

61 0.0 17.0 25.6#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

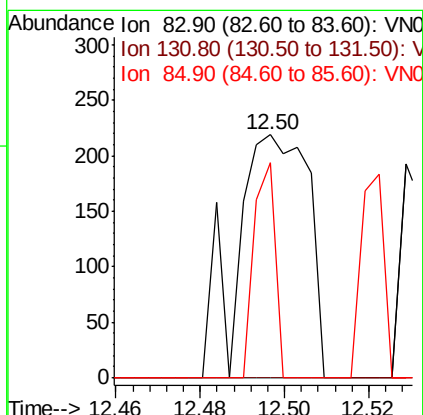
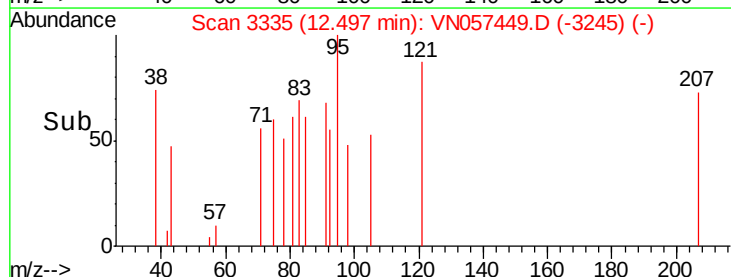
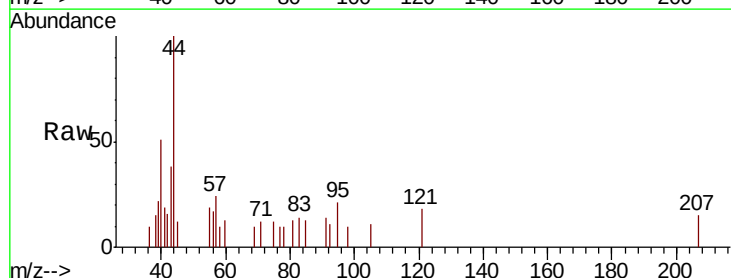
Tgt Ion: 83 Resp: 259

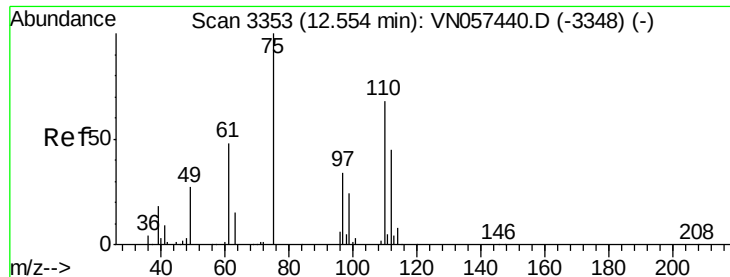
Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 26.6 32.3 96.8#

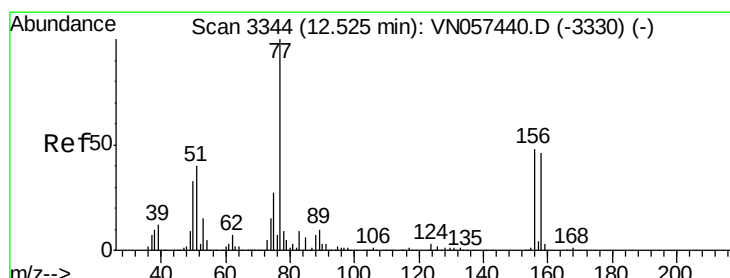
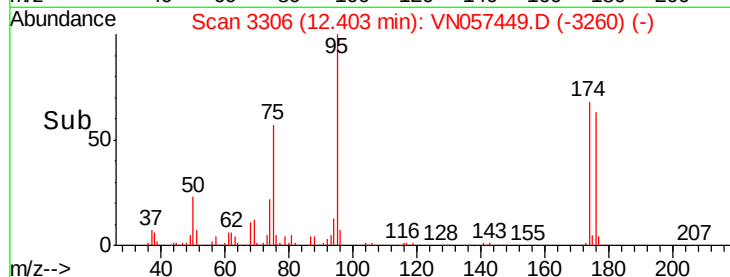
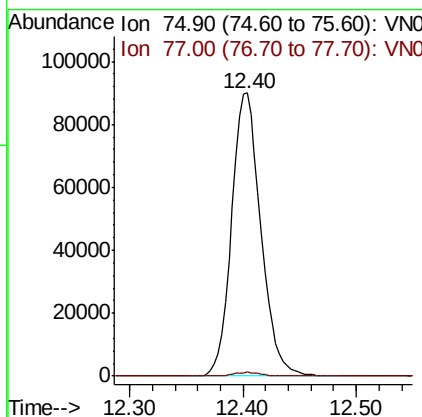
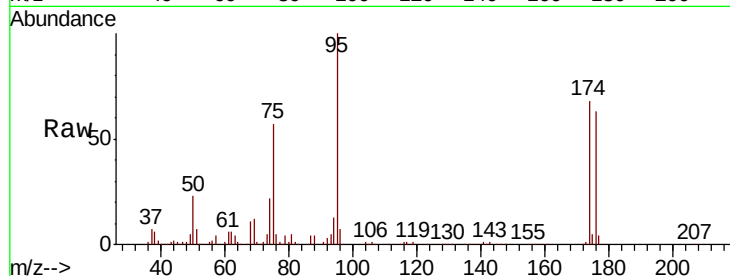




#76
 1,2,3-Trichloropropane
 Concen: 44.529 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057449.D
 Acq: 22 Aug 2019 22:32

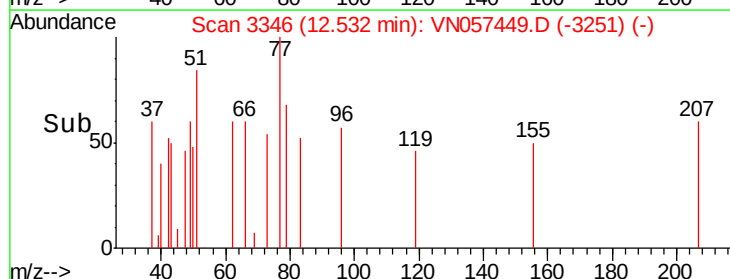
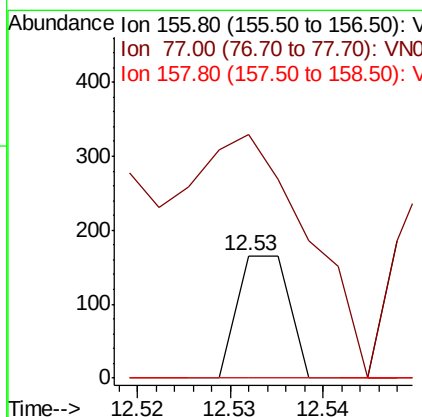
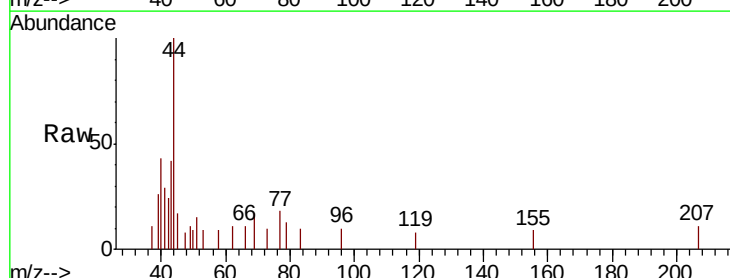
Instrument :
 MSVOA_N
 ClientSampled :
 T1-G-(2.5)

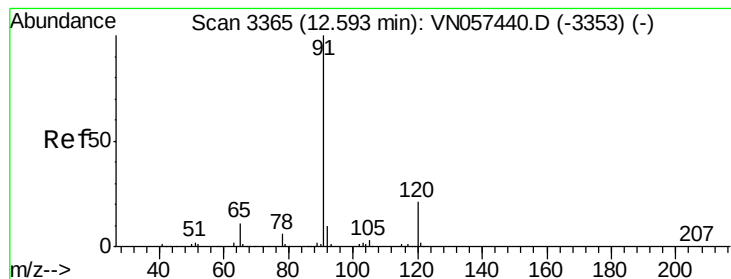
Tgt Ion: 75 Resp: 161745
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.01 min
 Lab File: VN057449.D
 Acq: 22 Aug 2019 22:32

Tgt Ion: 156 Resp: 64
 Ion Ratio Lower Upper
 156 100
 77 375.0 124.4 373.3#
 158 0.0 48.3 144.8#





#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

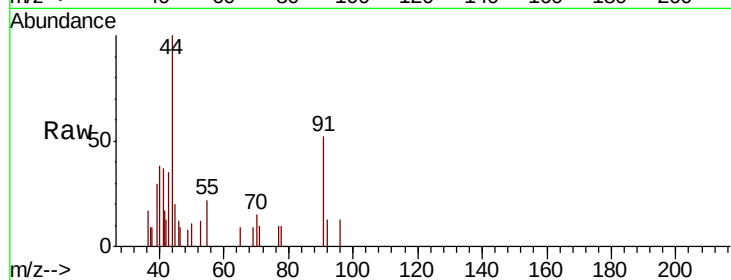
T1-G-(2.5)

Tgt Ion: 91 Resp: 1722

Ion Ratio Lower Upper

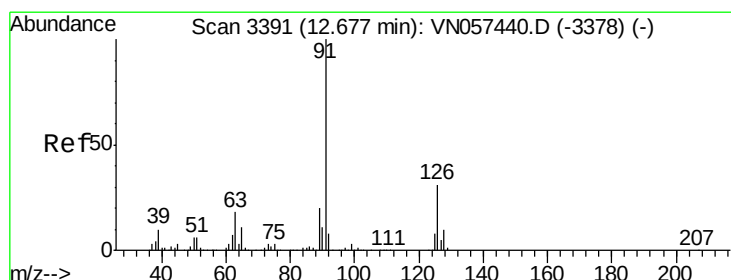
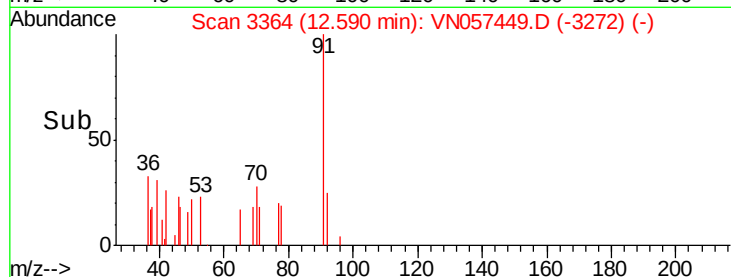
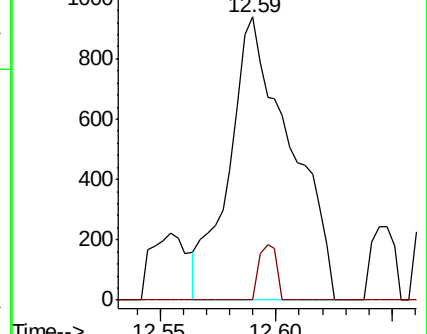
91 100

120 5.7 10.7 32.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VN057449.D

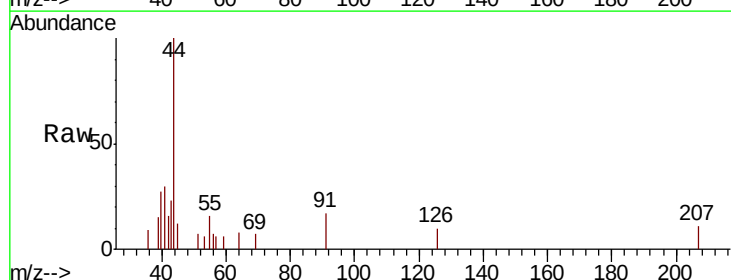
Acq: 22 Aug 2019 22:32

Tgt Ion: 91 Resp: 374

Ion Ratio Lower Upper

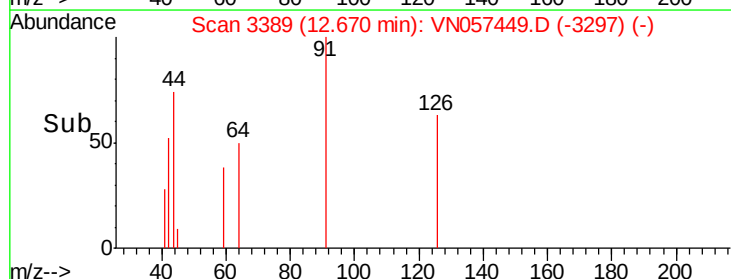
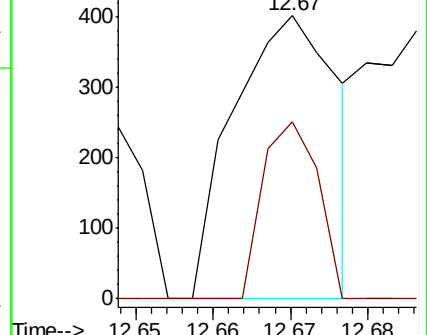
91 100

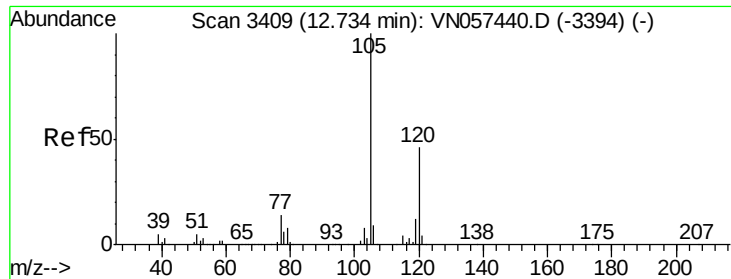
126 33.7 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

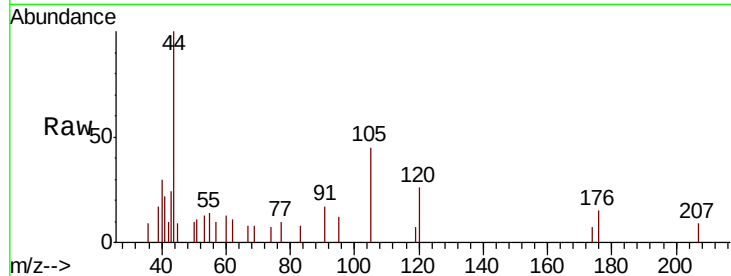
T1-G-(2.5)

Tgt Ion: 105 Resp: 1490

Ion Ratio Lower Upper

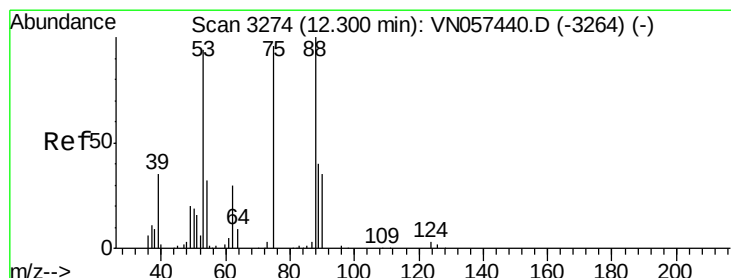
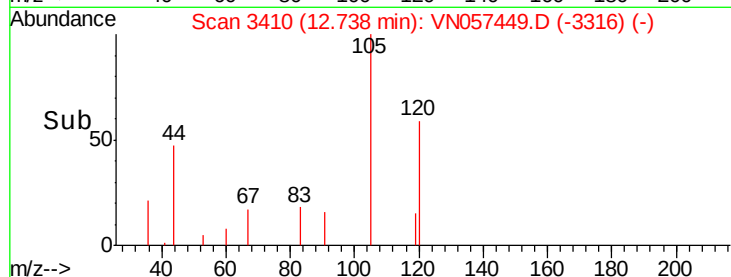
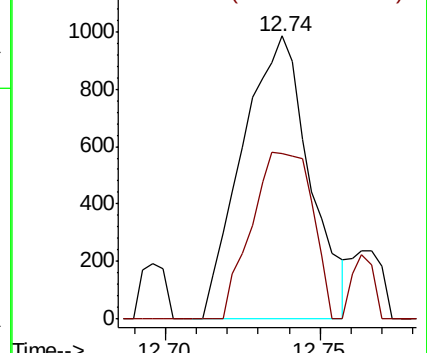
105 100

120 53.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 114.212 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

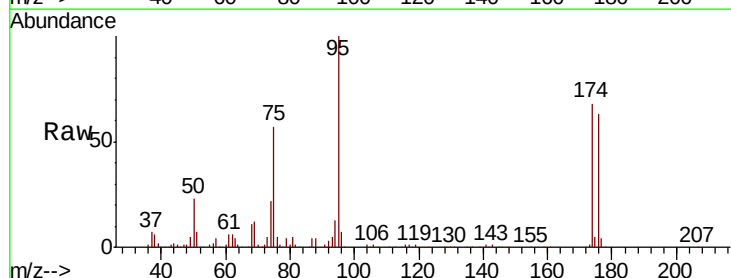
Tgt Ion: 75 Resp: 161745

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

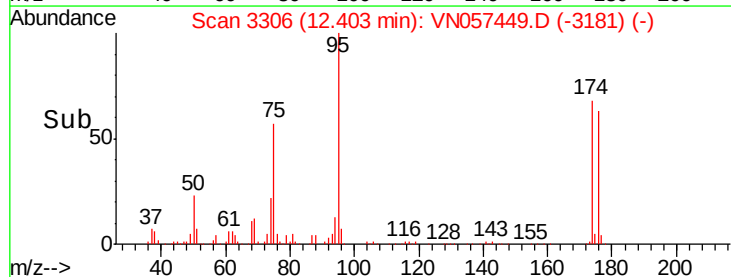
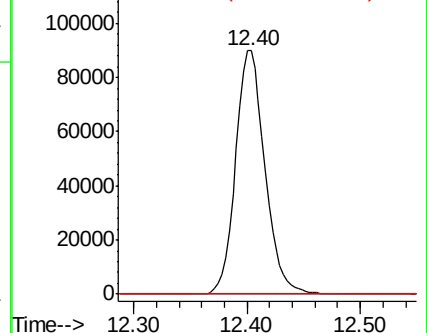
89 0.0 35.8 53.8#

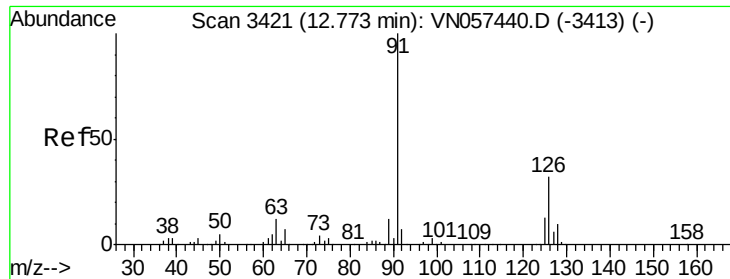


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

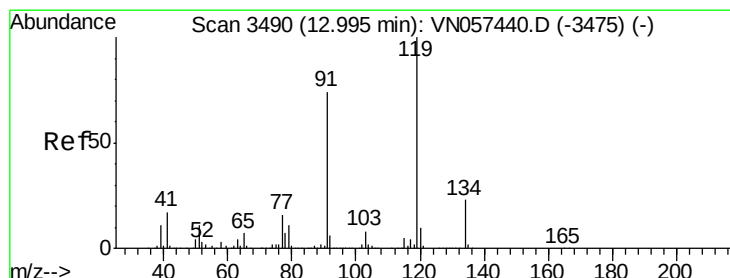
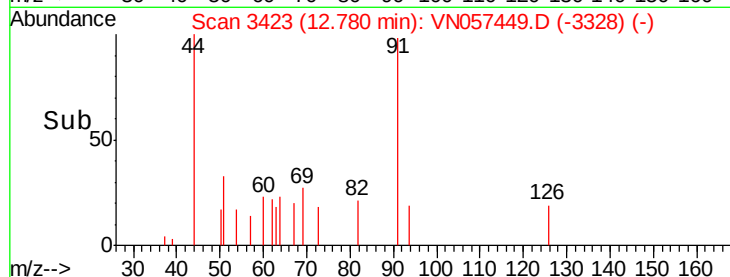
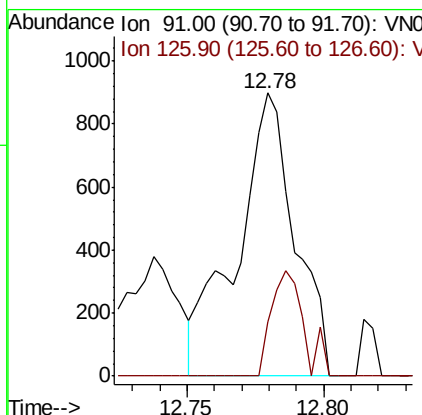
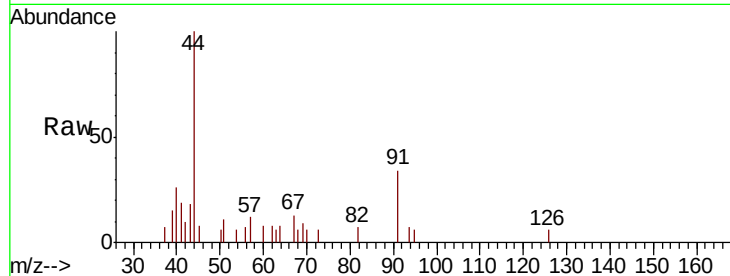




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.78 min Scan# 3423
Delta R.T. 0.01 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

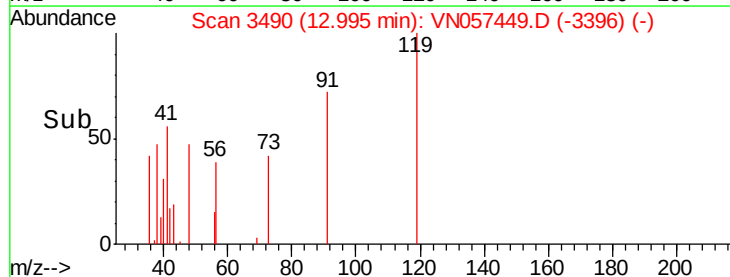
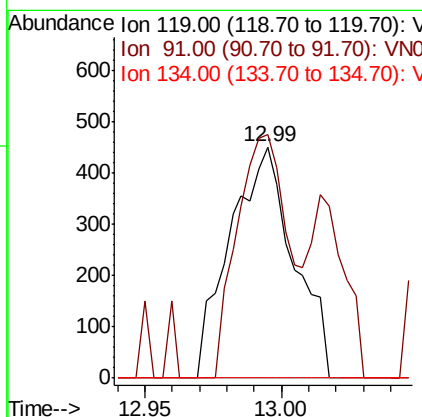
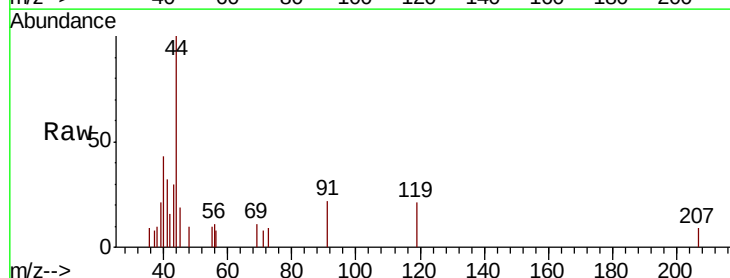
Instrument :
MSVOA_N
ClientSampled :
T1-G-(2.5)

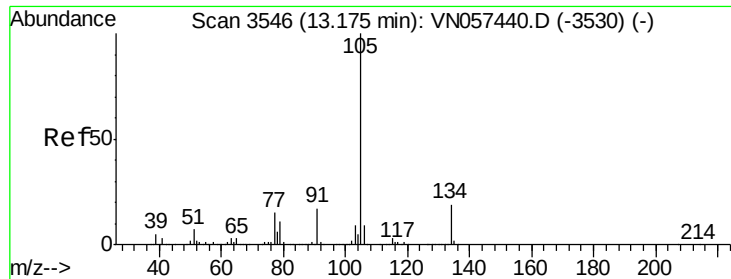
Tgt Ion: 91 Resp: 1321
Ion Ratio Lower Upper
91 100
126 20.7 15.0 45.0



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057449.D
Acq: 22 Aug 2019 22:32

Tgt Ion: 119 Resp: 733
Ion Ratio Lower Upper
119 100
91 85.7 37.0 111.0
134 0.0 12.2 36.6





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.18 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

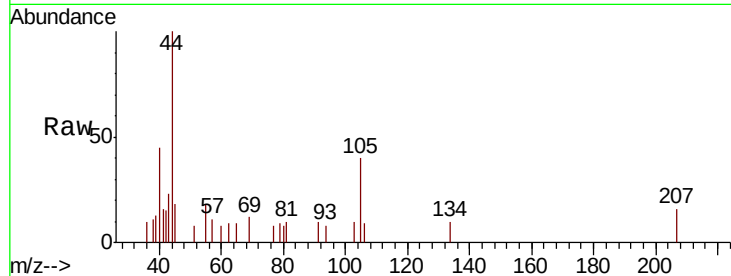
T1-G-(2.5)

Tgt Ion:105 Resp: 1295

Ion Ratio Lower Upper

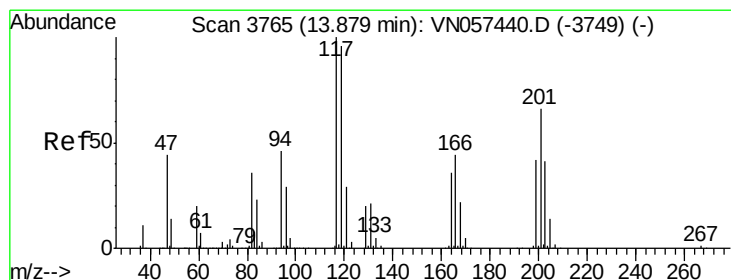
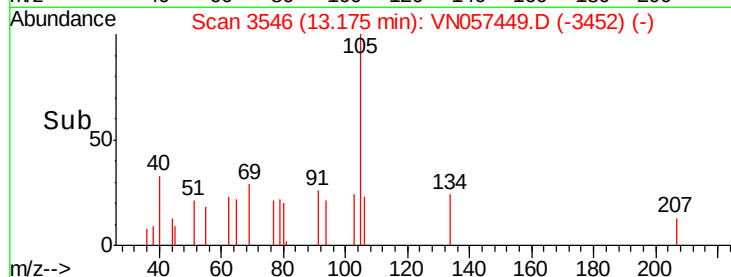
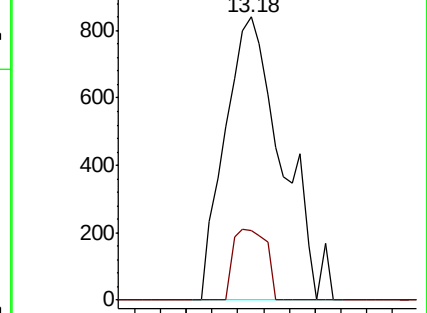
105 100

134 14.4 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3761

Delta R.T. -0.01 min

Lab File: VN057449.D

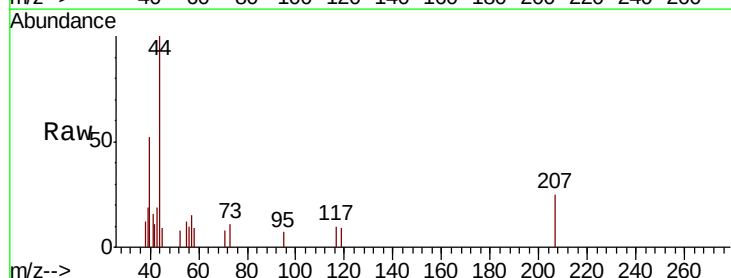
Acq: 22 Aug 2019 22:32

Tgt Ion:117 Resp: 86

Ion Ratio Lower Upper

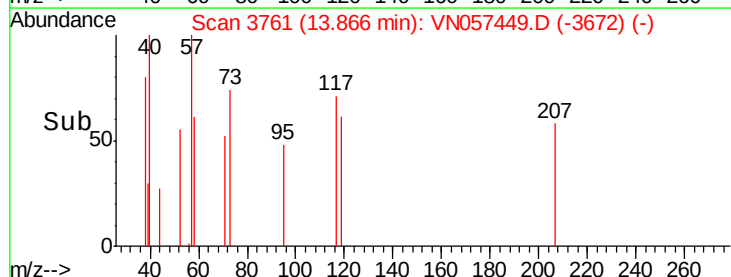
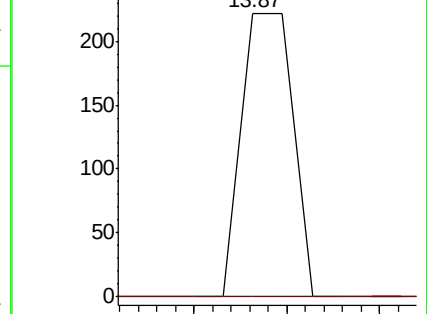
117 100

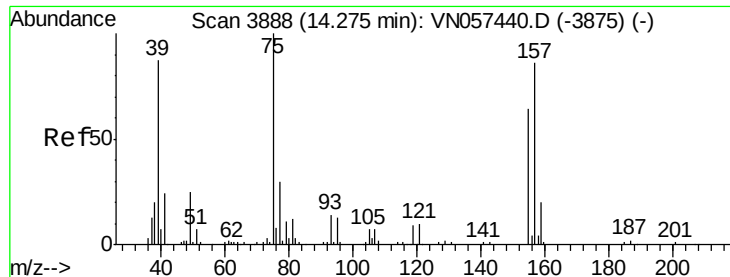
201 0.0 33.1 99.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampleId :

T1-G-(2.5)

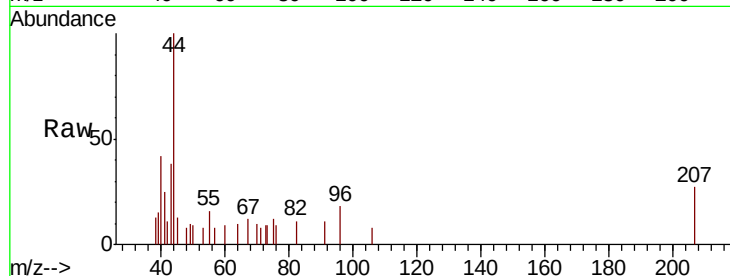
Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

157 0.0 43.3 129.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

300

250

200

150

100

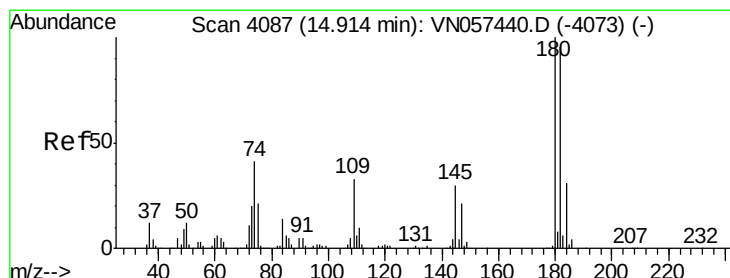
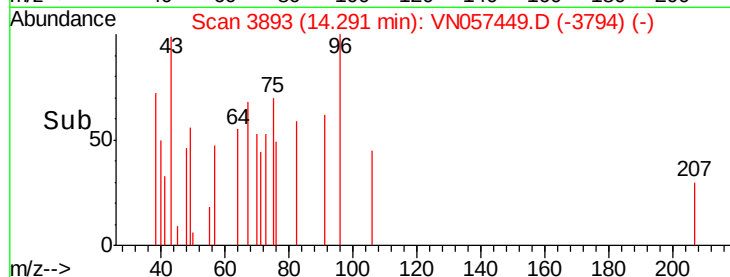
50

0

14.28

14.30

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.829 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

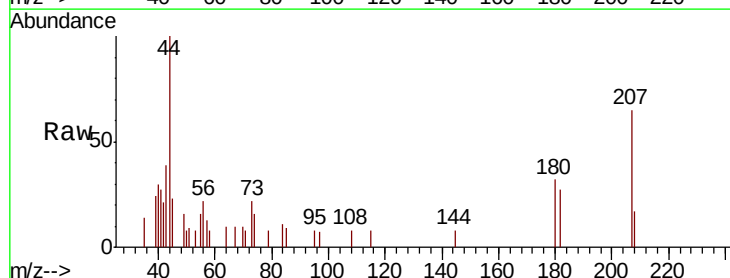
Tgt Ion: 180 Resp: 1039

Ion Ratio Lower Upper

180 100

182 80.9 46.7 140.1

145 5.8 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

800

600

400

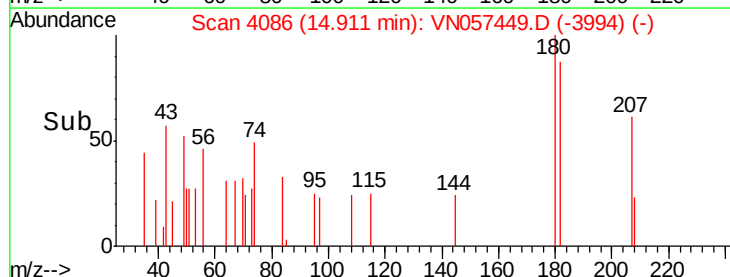
200

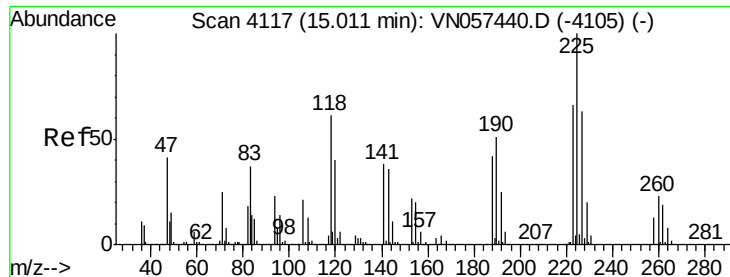
0

14.90

14.95

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

Instrument :

MSVOA_N

ClientSampled :

T1-G-(2.5)

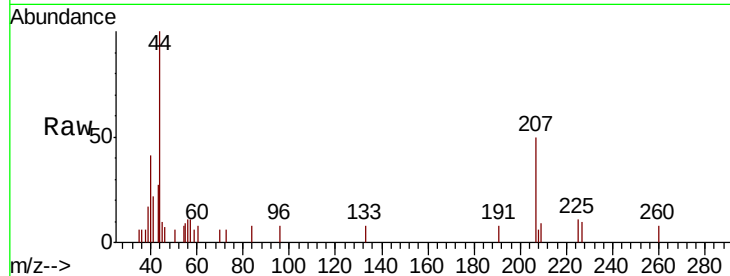
Tgt Ion:225 Resp: 149

Ion Ratio Lower Upper

225 100

223 20.1 32.0 96.2#

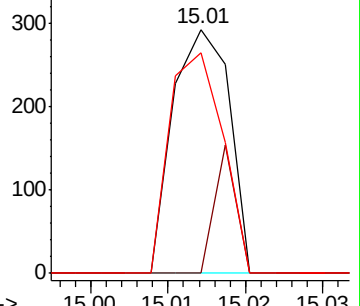
227 85.2 31.5 94.5



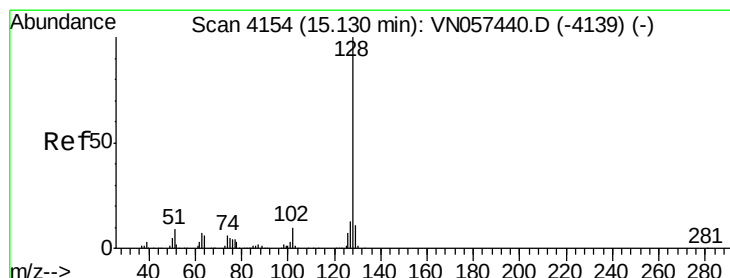
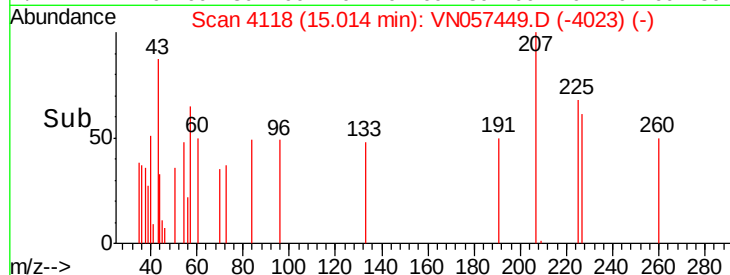
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 4.645 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057449.D

Acq: 22 Aug 2019 22:32

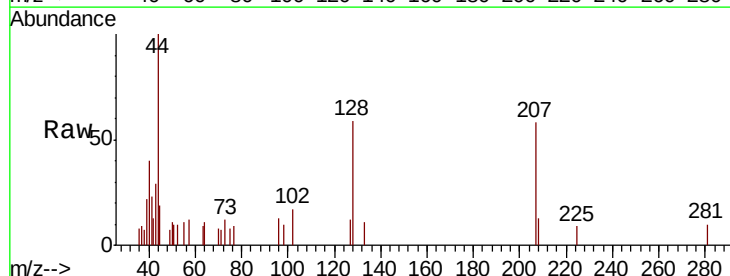
Tgt Ion:128 Resp: 2168

Ion Ratio Lower Upper

128 100

127 11.0 10.5 15.7

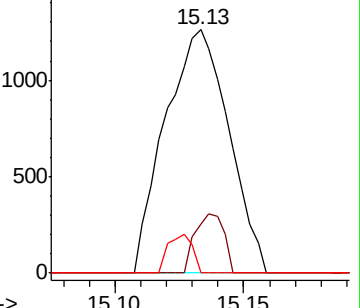
129 6.1 8.6 13.0#



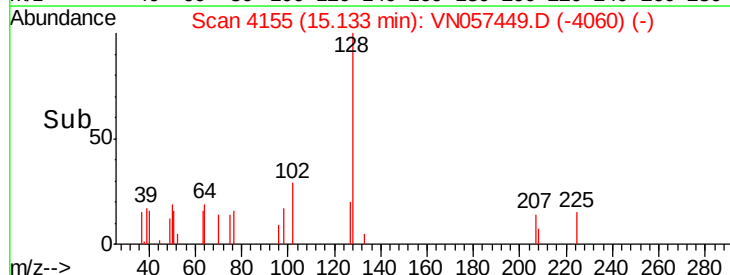
Abundance Ion 128.00 (127.70 to 128.70): V

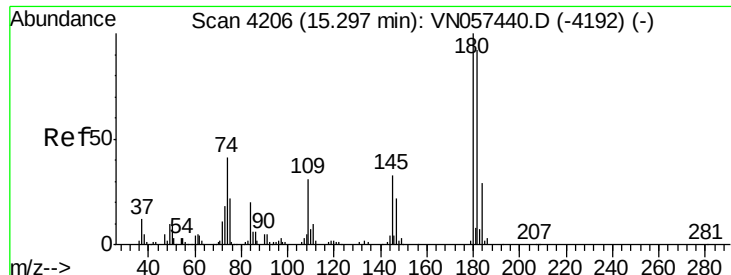
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 5.545 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057449.D
 Acq: 22 Aug 2019 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-G-(2.5)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.5	46.7	140.1
145	39.3	16.8	50.3

