

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
 Data File : VN057480.D
 Acq On : 23 Aug 2019 18:45
 Operator : JC/SP
 Sample : K4472-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(2.5)

Quant Time: Aug 26 05:12:26 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	407487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	707036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	577522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	138784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	338307	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	7.58	113	228473	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	10.08	98	885810	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	243433	39.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.56%	

Target Compounds

					Qvalue
5) Bromomethane	2.56	94	1517	0.294 ug/l	88
8) Diethyl Ether	3.32	74	263	Below Cal	63
9) 1,1,2-Trichlorotrifluoroet	3.72	101	232	Below Cal #	50
11) Tert butyl alcohol	4.79	59	276	0.310 ug/l #	64
13) Acrolein	3.58	56	381	0.487 ug/l #	66
16) Acetone	3.80	43	30752	9.342 ug/l	96
18) Methyl Acetate	4.31	43	6621	Below Cal #	77
20) Methylene Chloride	4.53	84	15296	3.064 ug/l	95
25) 2-Butanone	6.84	43	877	0.245 ug/l #	53
31) Cyclohexane	7.65	56	12775	1.269 ug/l #	20
36) 1,1-Dichloropropene	7.65	75	41364	5.725 ug/l #	51
38) Carbon Tetrachloride	7.65	117	45315	6.314 ug/l #	15
43) Isopropyl Acetate	8.16	43	82016	6.266 ug/l	99
46) Dibromomethane	9.24	93	30	Below Cal #	1
48) Methyl methacrylate	9.17	41	3244	0.521 ug/l #	15
49) 1,4-Dioxane	9.21	88	58	0.721 ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7581	1.039 ug/l	90
52) Toluene	10.15	92	2651	0.212 ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	33812	3.599 ug/l #	67
57) 1,3-Dichloropropane	10.76	76	4918	0.559 ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.65	63	71	17.094 ug/l #	52
59) 2-Hexanone	10.76	43	71449	14.279 ug/l #	53
71) Bromoform	12.41	173	2242	0.741 ug/l #	1
73) Isopropylbenzene	12.41	105	384	Below Cal	83
74) N-amyl acetate	12.04	43	2067	Below Cal #	51
75) 1,1,2,2-Tetrachloroethane	12.50	83	79	Below Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	137650	44.390 ug/l #	100
77) Bromobenzene	12.52	156	114	Below Cal #	27
78) n-propylbenzene	12.60	91	871	Below Cal	95
79) 2-Chlorotoluene	12.40	91	321	Below Cal	82
80) 1,3,5-Trimethylbenzene	12.73	105	1365	Below Cal	88
81) trans-1,4-Dichloro-2-buten	12.40	75	137650	113.876 ug/l #	9
82) 4-Chlorotoluene	12.77	91	289	Below Cal #	45
83) tert-Butylbenzene	12.98	119	200	Below Cal #	1

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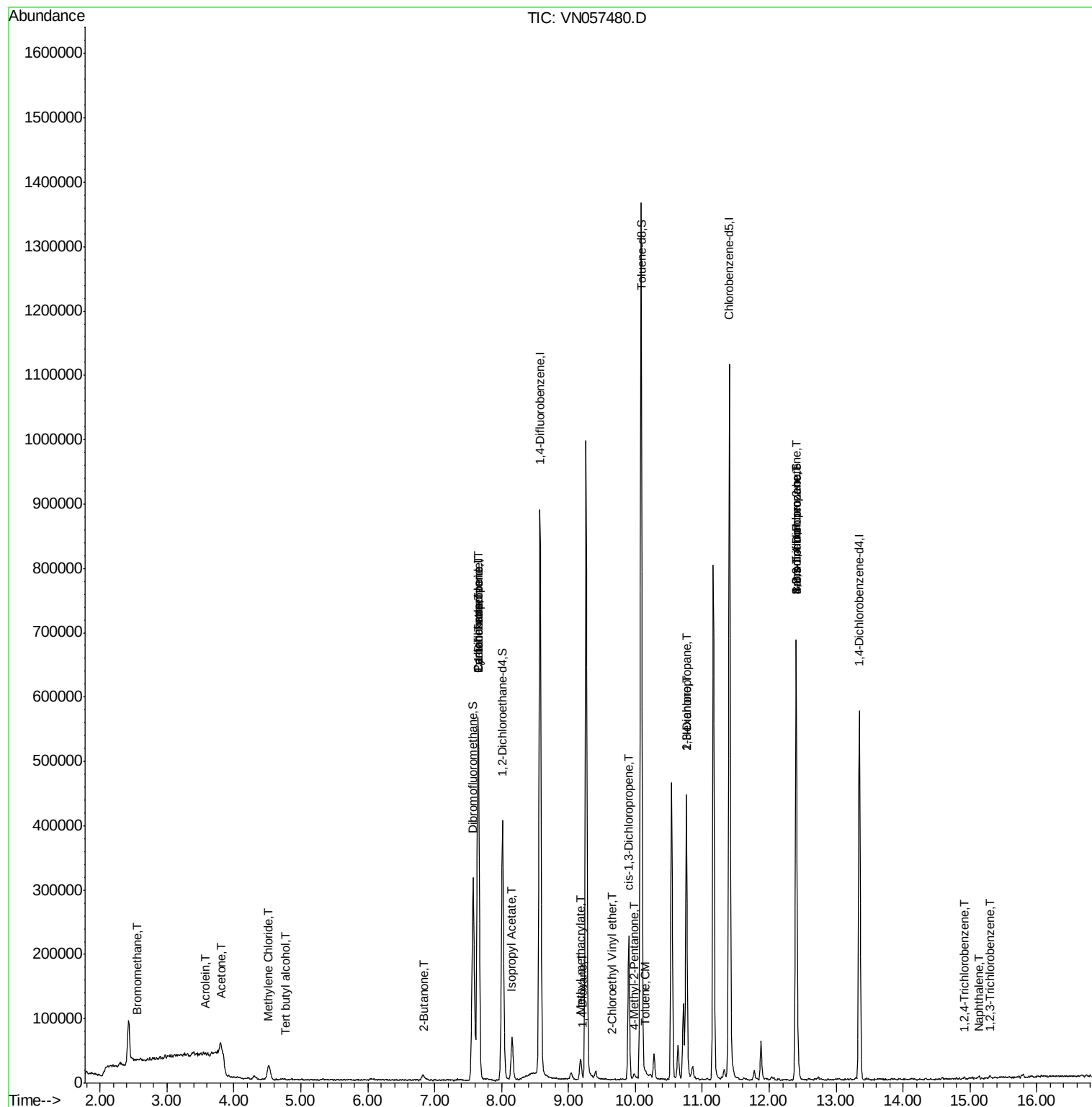
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	803	Below Cal	#	67
90) Hexachloroethane	13.83	117	30	Below Cal	#	17
92) 1,2-Dibromo-3-Chloropropan	14.29	75	30	Below Cal	#	57
93) 1,2,4-Trichlorobenzene	14.92	180	583	5.672 ug/l		82
94) Hexachlorobutadiene	15.00	225	63	Below Cal	#	18
95) Naphthalene	15.13	128	2377	4.733 ug/l	#	86
96) 1,2,3-Trichlorobenzene	15.30	180	690	5.473 ug/l	#	43

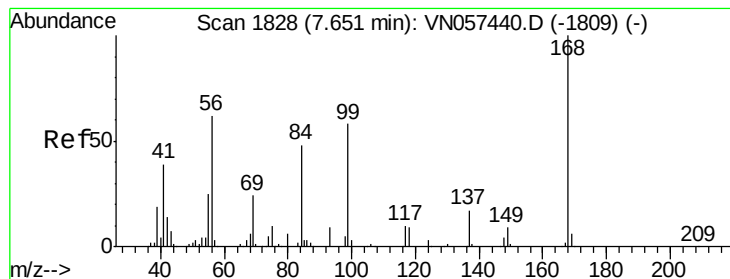
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
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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: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

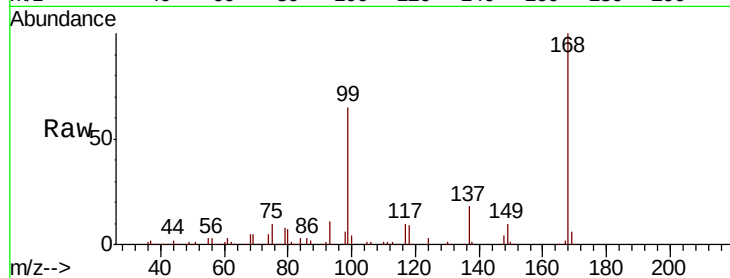
T1-S2(2.5)

Tgt Ion:168 Resp: 407487

Ion Ratio Lower Upper

168 100

99 65.5 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

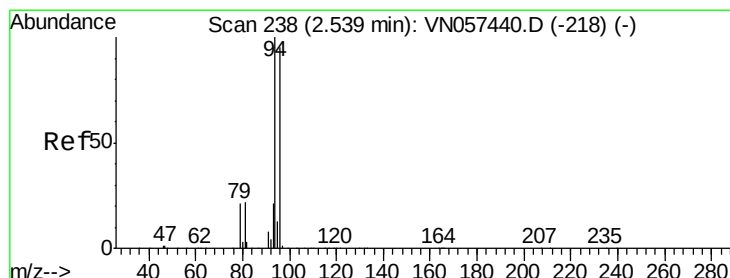
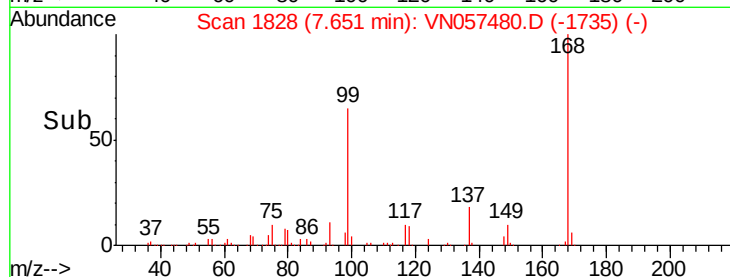
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.294 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.03 min

Lab File: VN057480.D

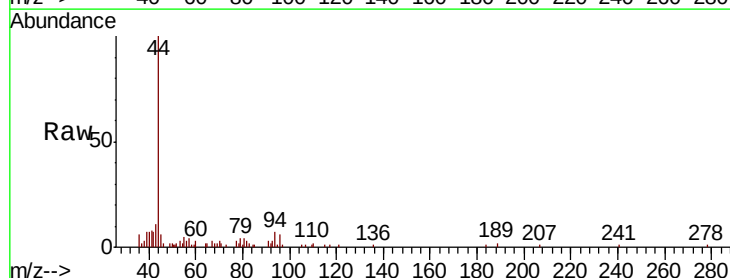
Acq: 23 Aug 2019 18:45

Tgt Ion: 94 Resp: 1517

Ion Ratio Lower Upper

94 100

96 84.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN057480.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN057480.D (-145) (-)

2.56

1200

1000

800

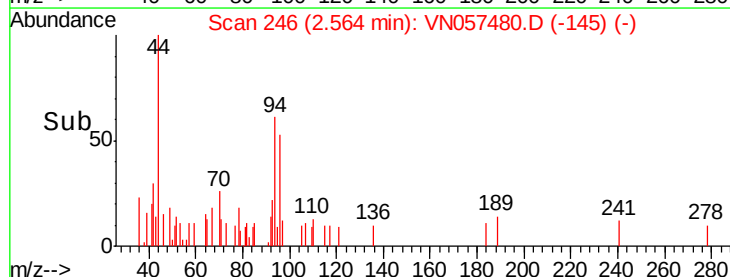
600

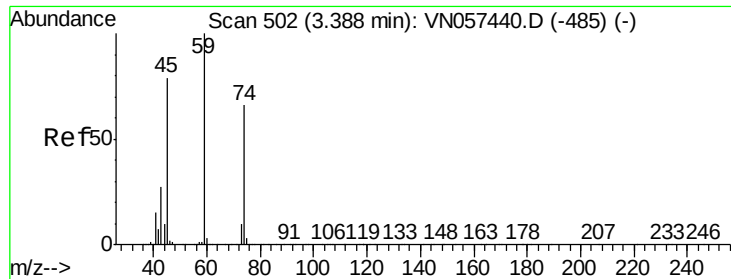
400

200

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.32 min Scan# 481

Delta R.T. -0.07 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

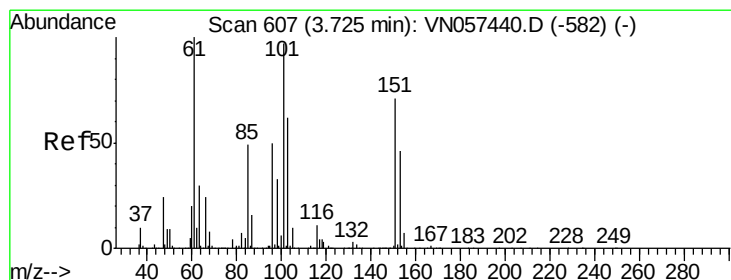
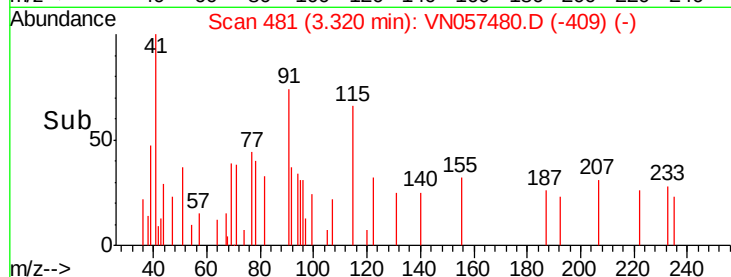
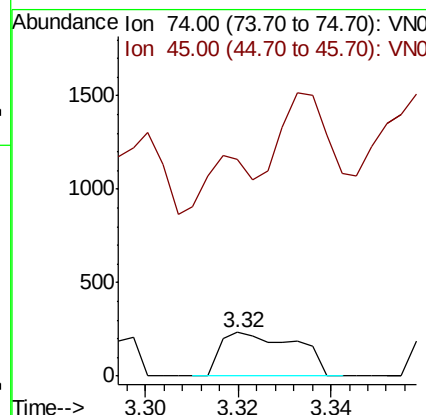
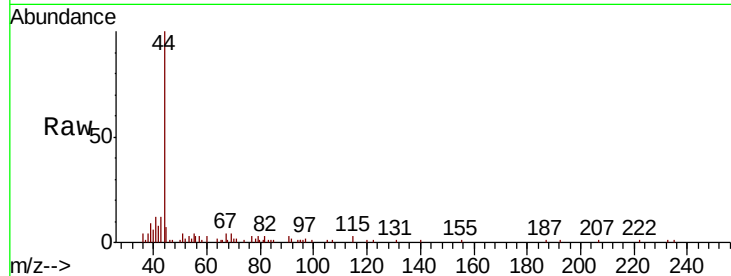
T1-S2(2.5)

Tgt Ion: 74 Resp: 263

Ion Ratio Lower Upper

74 100

45 75.3 57.9 173.6



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

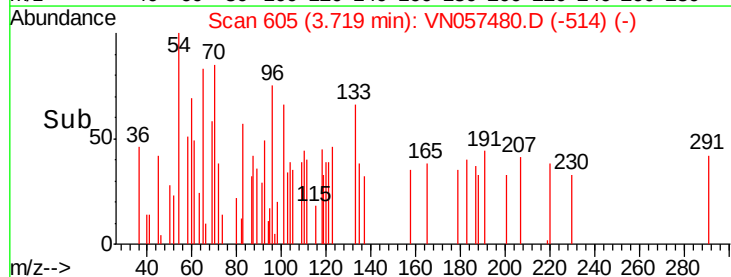
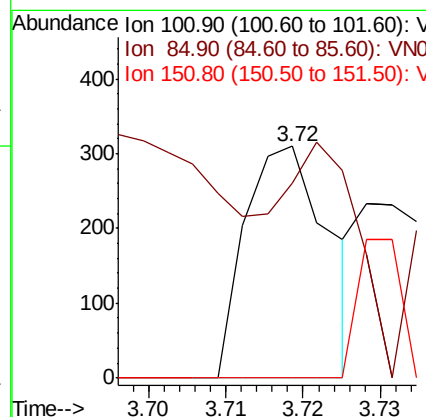
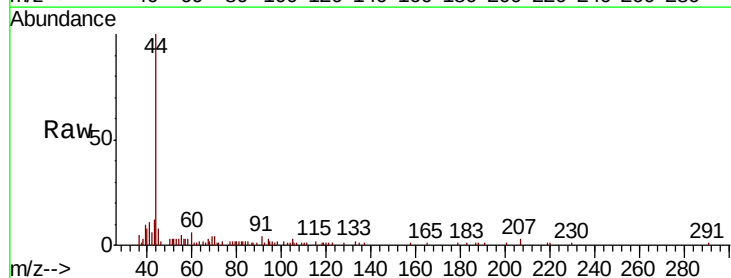
Tgt Ion: 101 Resp: 232

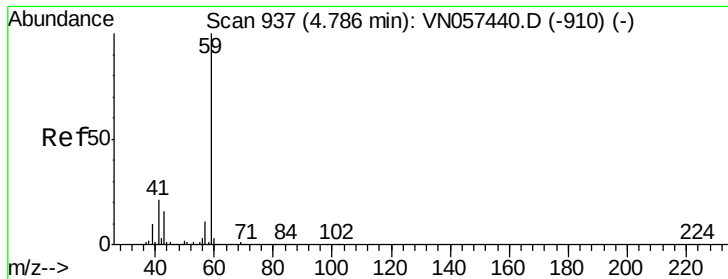
Ion Ratio Lower Upper

101 100

85 84.9 40.0 60.0#

151 30.6 57.0 85.6#

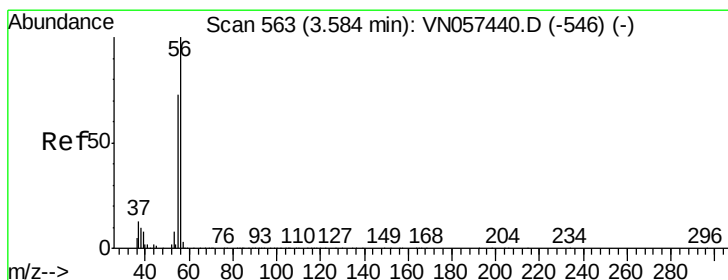
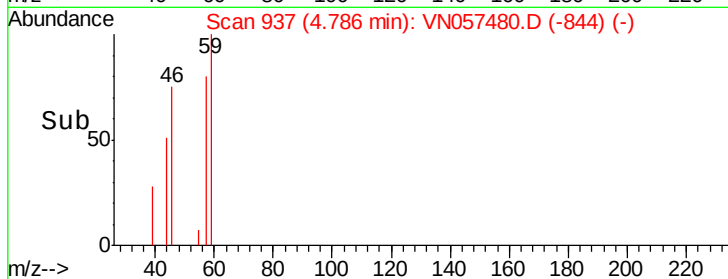
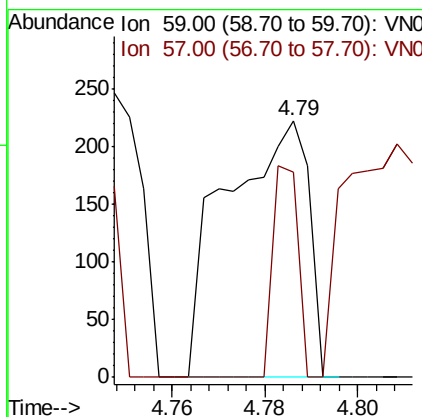
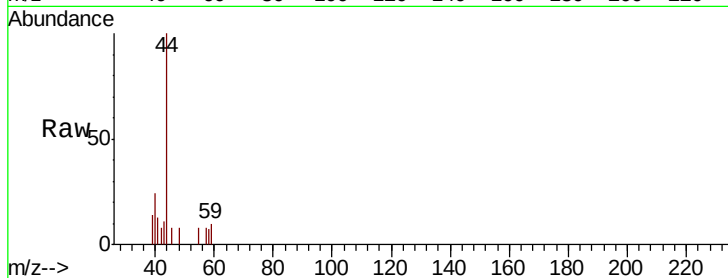




#11
Tert butyl alcohol
Concen: 0.310 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN057480.D
Acq: 23 Aug 2019 18:45

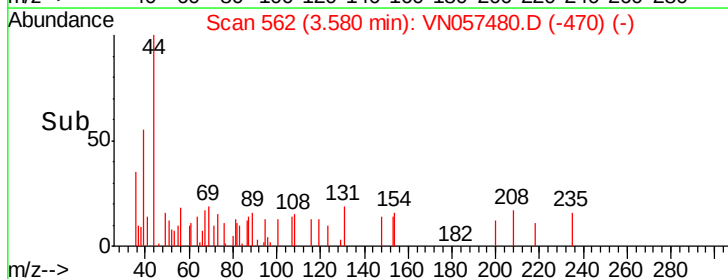
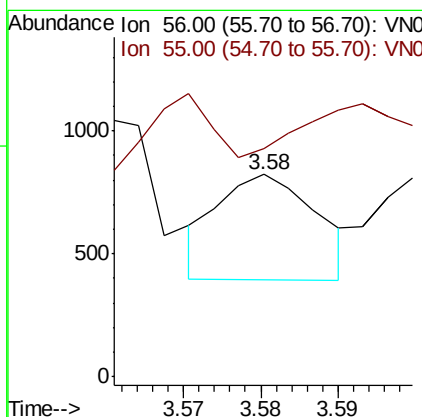
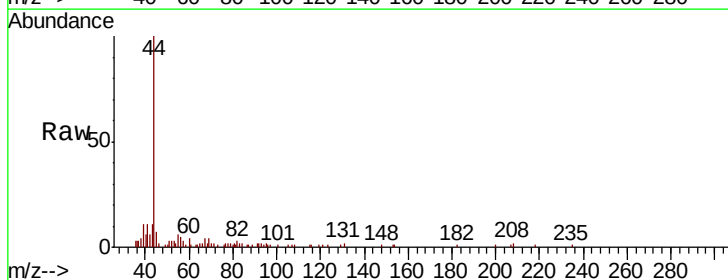
Instrument :
MSVOA_N
ClientSampled :
T1-S2(2.5)

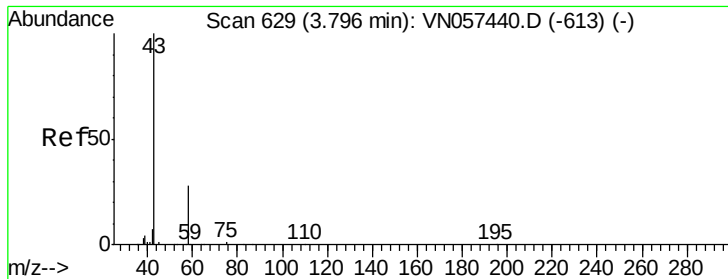
Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 25.4 9.1 13.7#



#13
Acrolein
Concen: 0.487 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN057480.D
Acq: 23 Aug 2019 18:45

Tgt Ion: 56 Resp: 381
Ion Ratio Lower Upper
56 100
55 45.1 59.0 88.4#





#16

Acetone

Concen: 9.342 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampled :

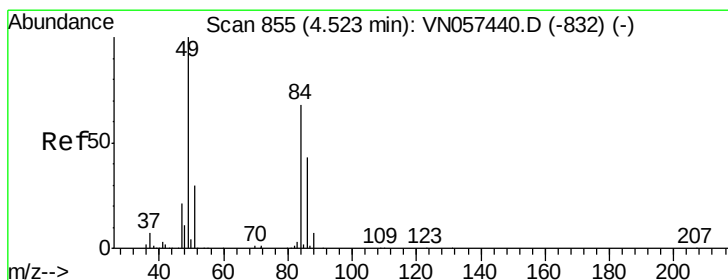
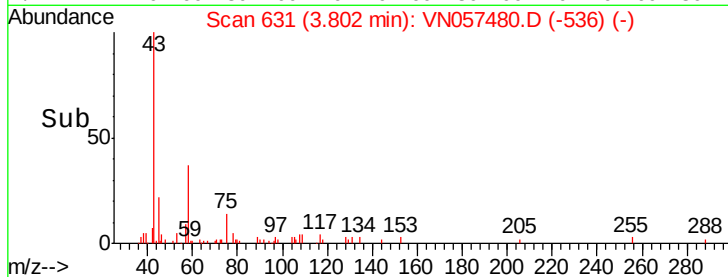
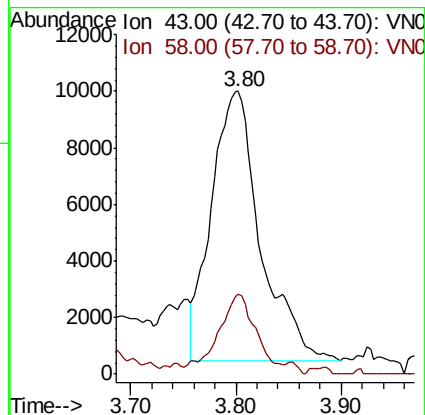
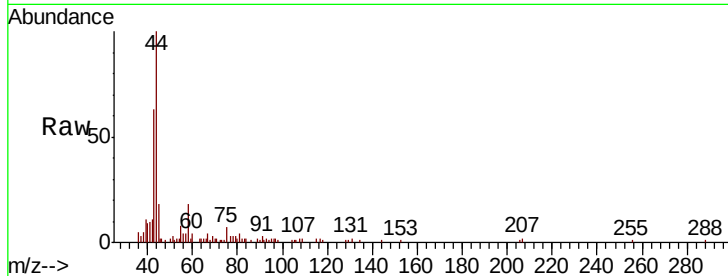
T1-S2(2.5)

Tgt Ion: 43 Resp: 30752

Ion Ratio Lower Upper

43 100

58 29.8 22.1 33.1



#20

Methylene Chloride

Concen: 3.064 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Tgt Ion: 84 Resp: 15296

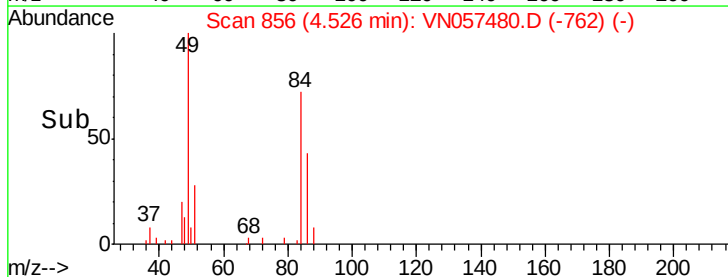
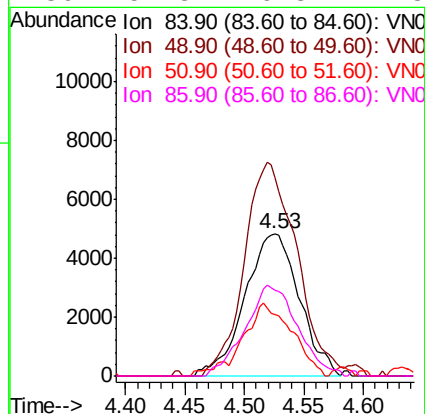
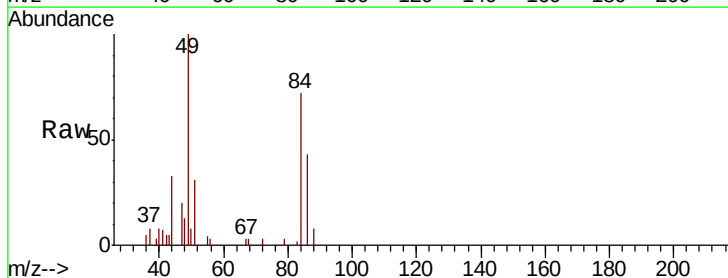
Ion Ratio Lower Upper

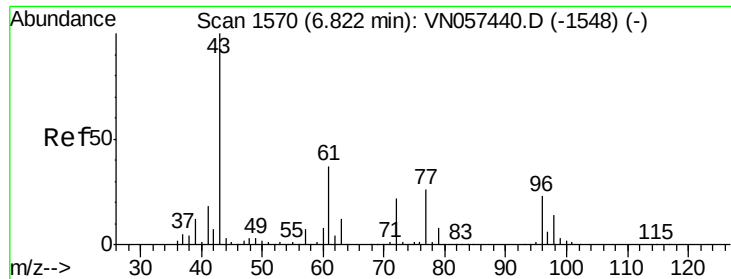
84 100

49 139.5 117.0 175.4

51 43.2 35.5 53.3

86 57.3 49.8 74.8





#25

2-Butanone

Concen: 0.245 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.02 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampled :

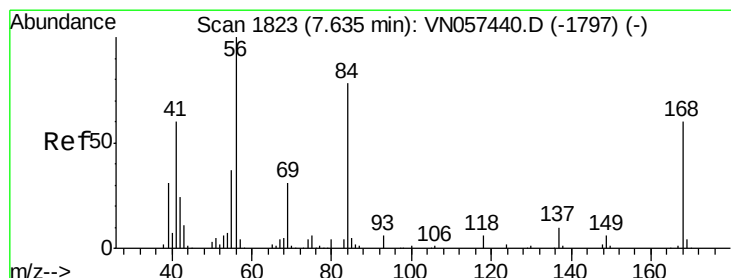
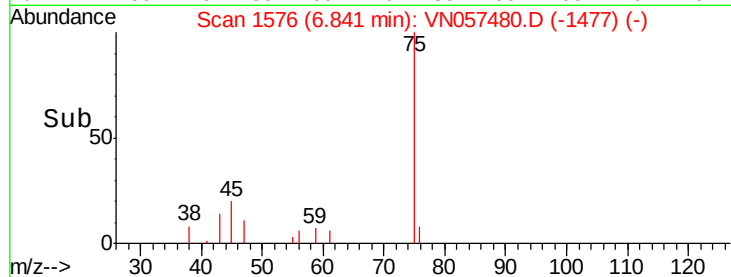
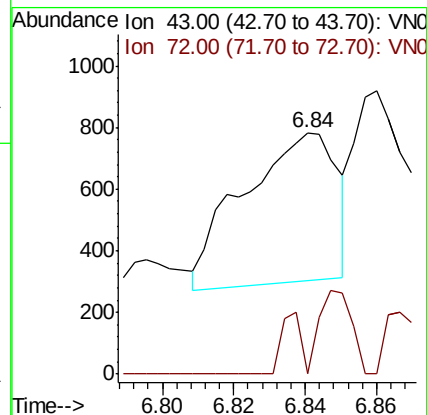
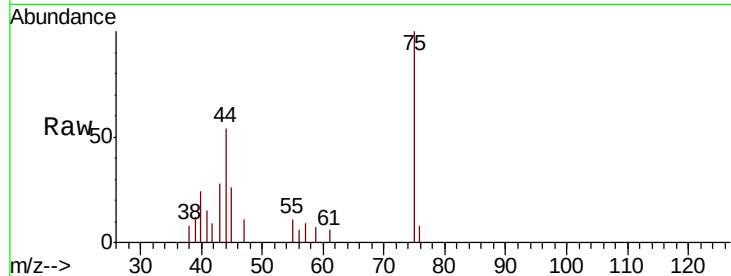
T1-S2(2.5)

Tgt Ion: 43 Resp: 877

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.8#



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

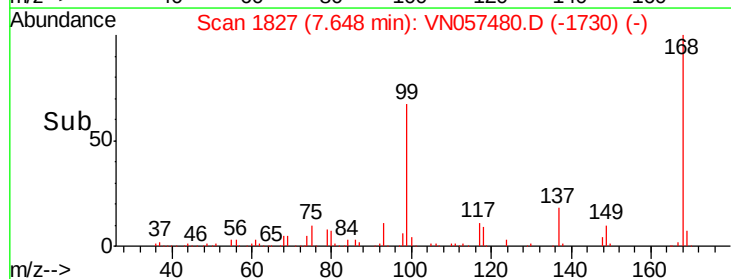
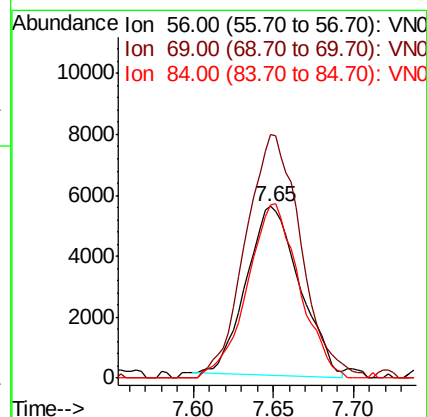
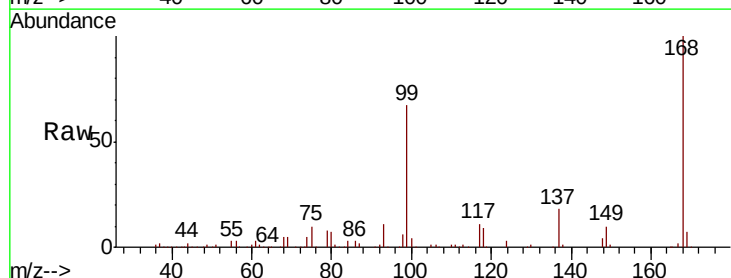
Tgt Ion: 56 Resp: 12775

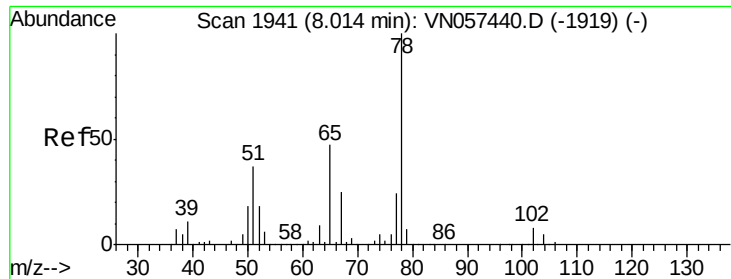
Ion Ratio Lower Upper

56 100

69 145.9 25.0 37.6#

84 103.7 62.5 93.7#

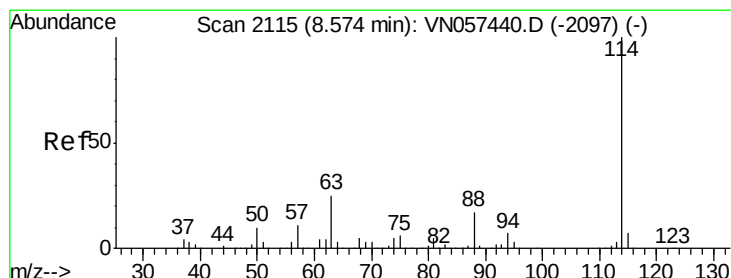
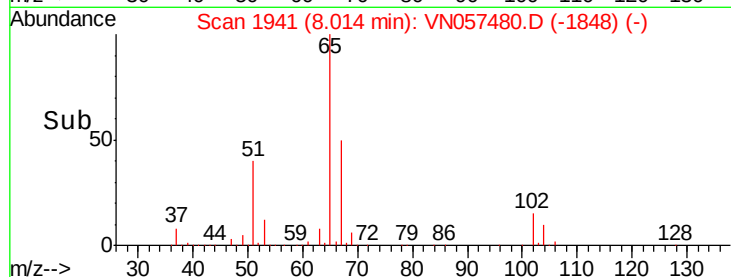
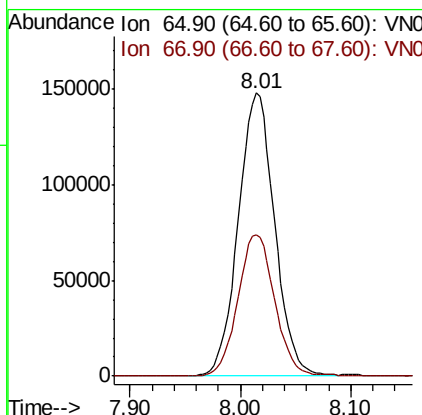
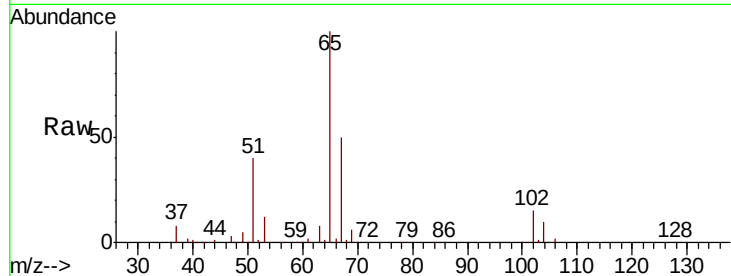




#33
 1,2-Dichloroethane-d4
 Concen: 47.196 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057480.D
 Acq: 23 Aug 2019 18:45

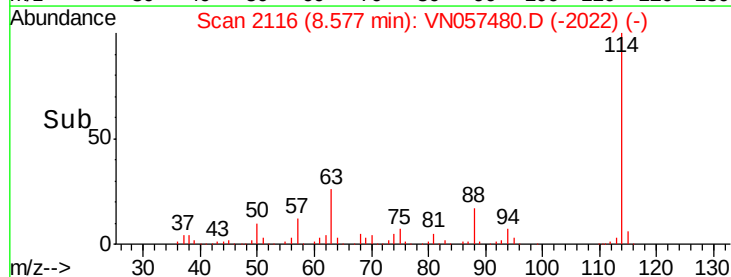
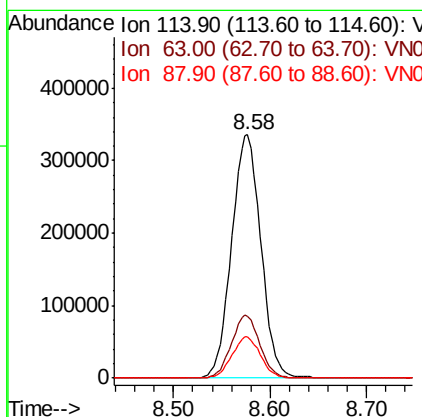
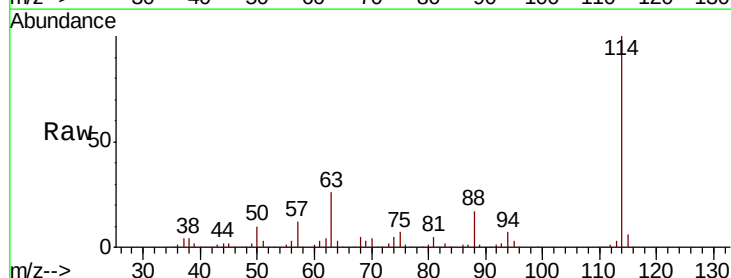
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(2.5)

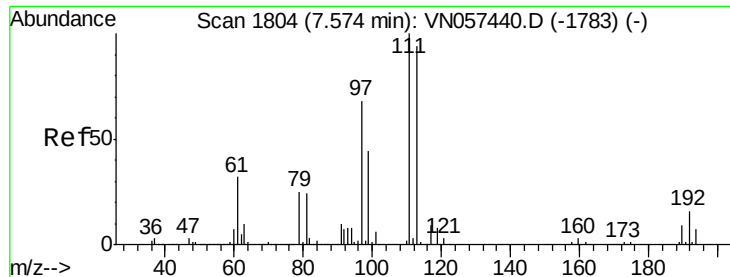
Tgt Ion: 65 Resp: 338307
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057480.D
 Acq: 23 Aug 2019 18:45

Tgt Ion: 114 Resp: 707036
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 50.2
 88 16.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 47.841 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

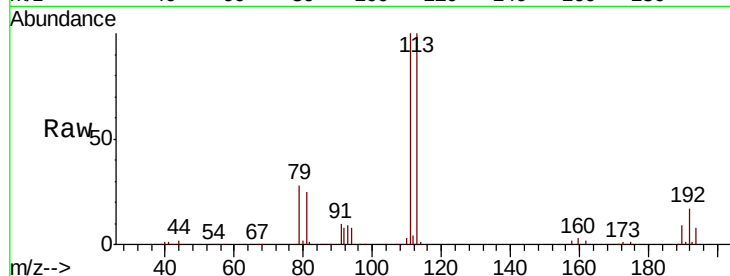
Tgt Ion:113 Resp: 228473

Ion Ratio Lower Upper

113 100

111 101.0 83.8 125.6

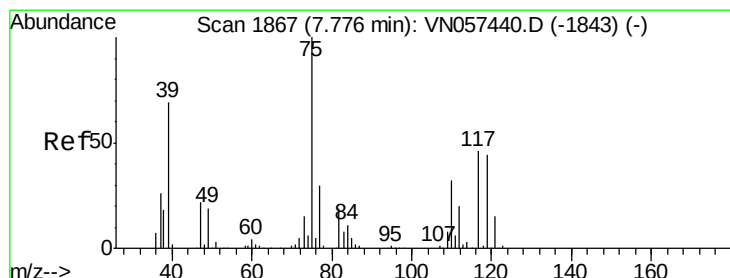
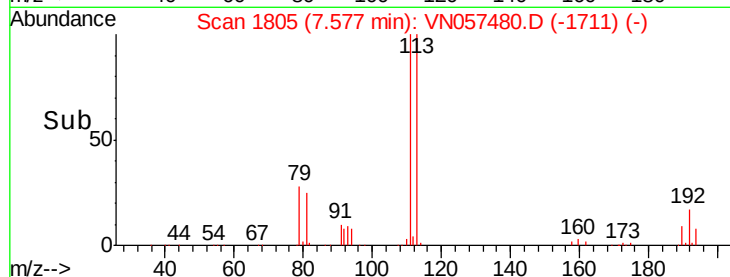
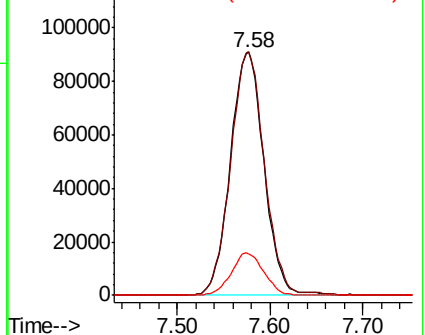
192 17.0 13.5 20.3



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: 5.725 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

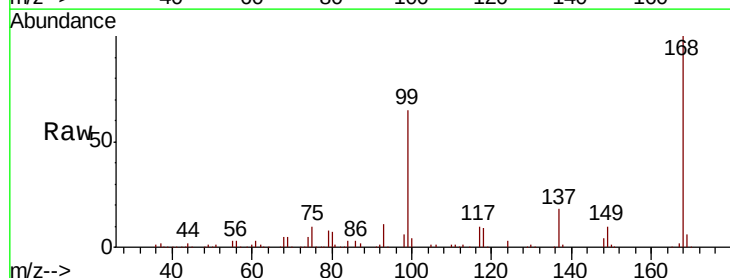
Tgt Ion: 75 Resp: 41364

Ion Ratio Lower Upper

75 100

110 8.7 16.1 48.3#

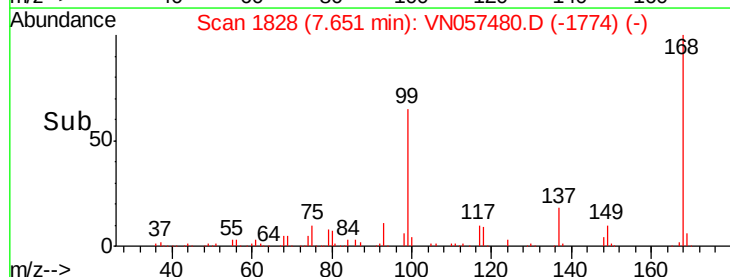
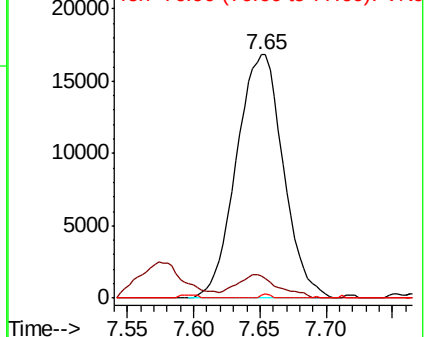
77 0.3 24.8 37.2#

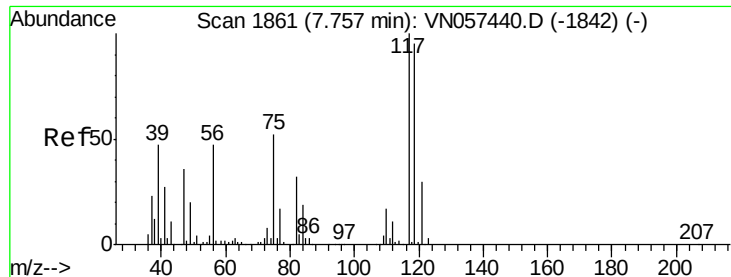


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

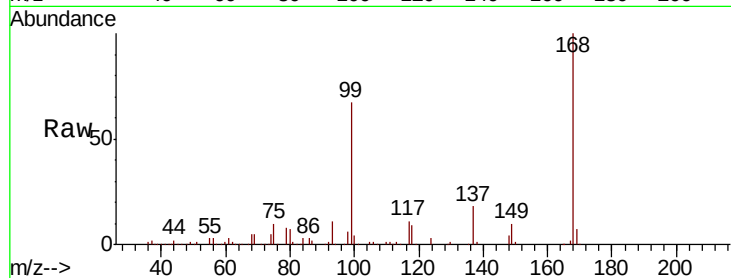
Tgt Ion:117 Resp: 45315

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.4#

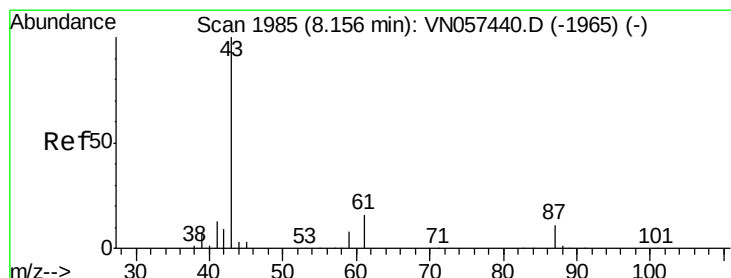
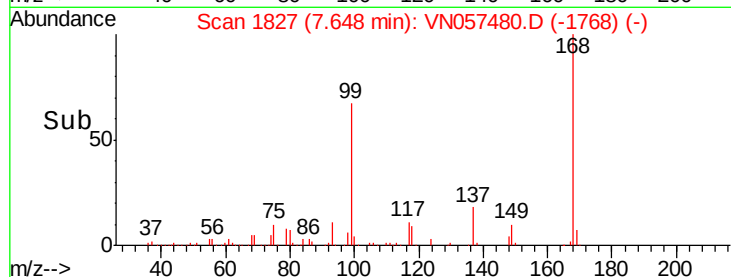
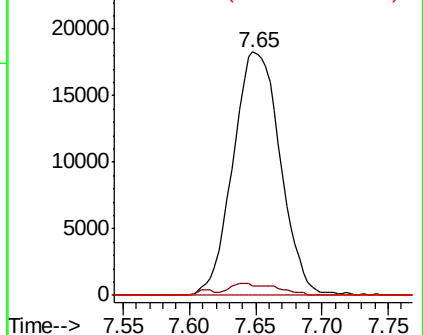
121 0.0 23.8 35.6#



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: 6.266 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

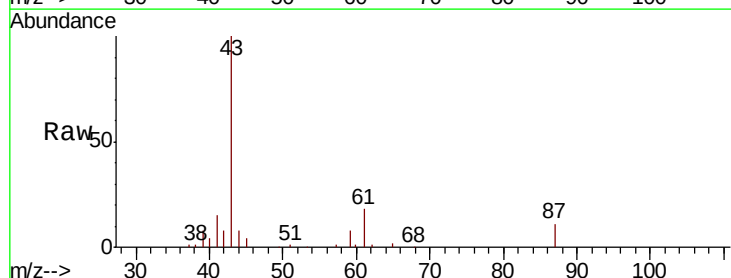
Tgt Ion: 43 Resp: 82016

Ion Ratio Lower Upper

43 100

61 18.4 14.5 21.7

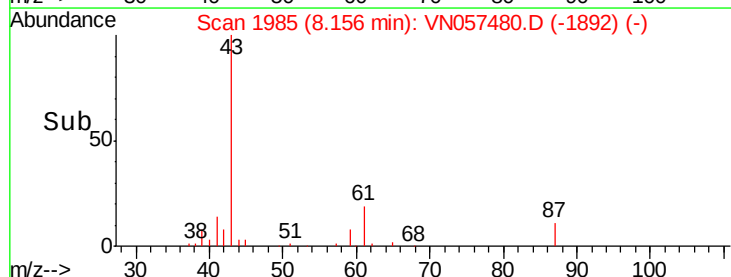
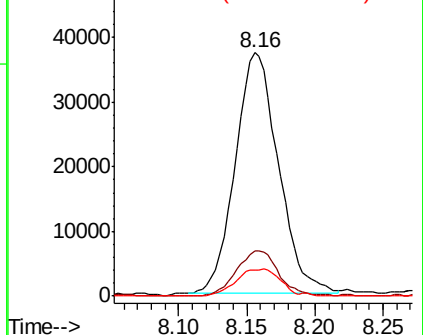
87 11.6 8.6 12.8

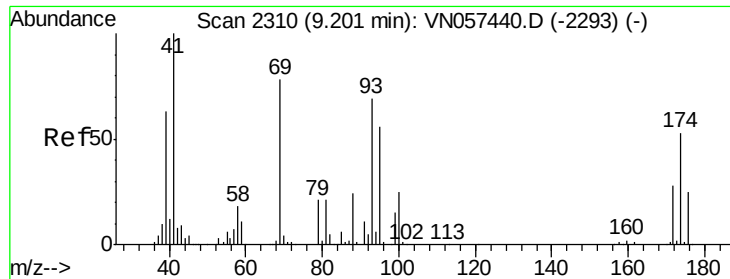


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

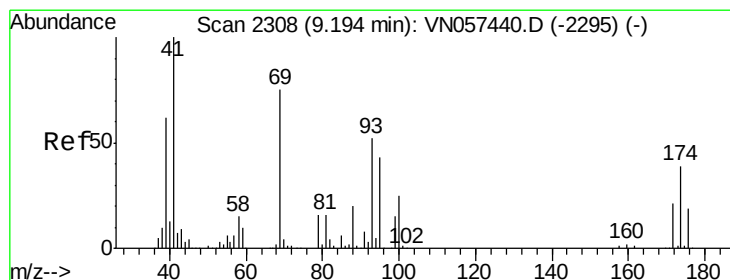
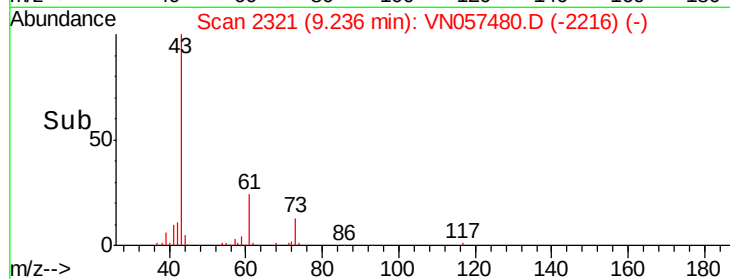
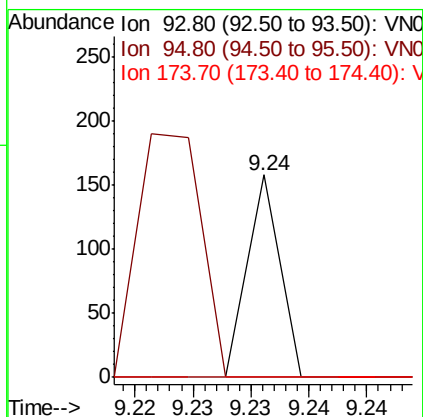
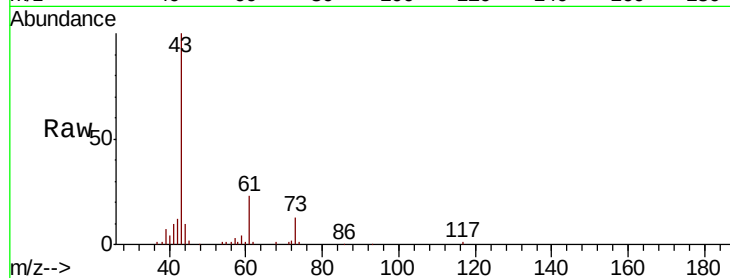




#46
Dibromomethane
Concen: Below Cal
RT: 9.24 min Scan# 2321
Delta R.T. 0.04 min
Lab File: VN057480.D
Acq: 23 Aug 2019 18:45

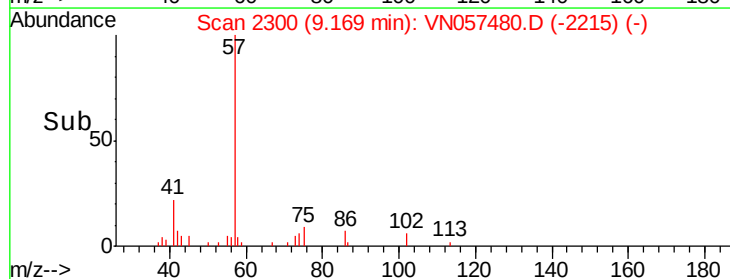
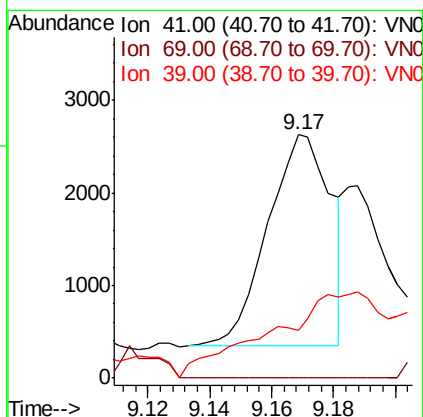
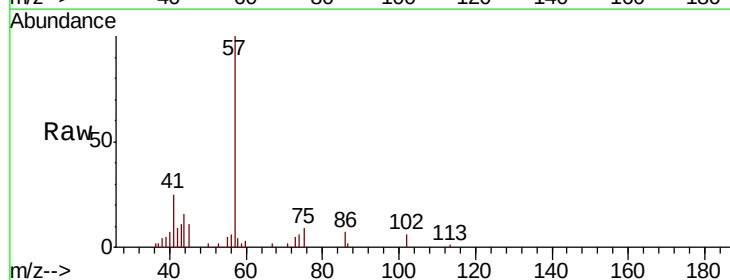
Instrument :
MSVOA_N
ClientSampleId :
T1-S2(2.5)

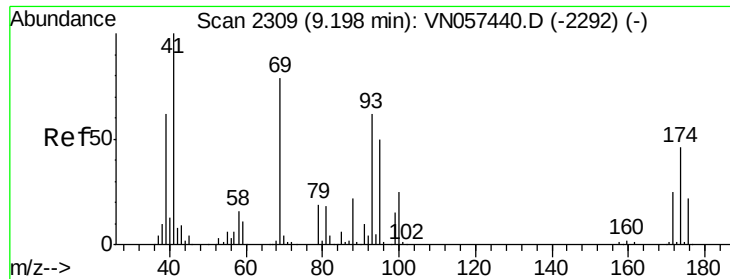
Tgt Ion: 93 Resp: 30
Ion Ratio Lower Upper
93 100
95 243.3 64.7 97.1#
174 0.0 62.3 93.5#



#48
Methyl methacrylate
Concen: 0.521 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.03 min
Lab File: VN057480.D
Acq: 23 Aug 2019 18:45

Tgt Ion: 41 Resp: 3244
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 50.6 75.8#

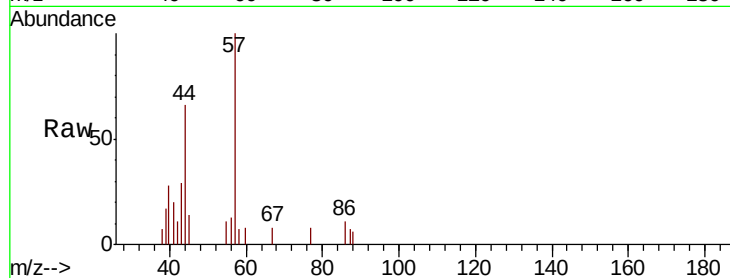




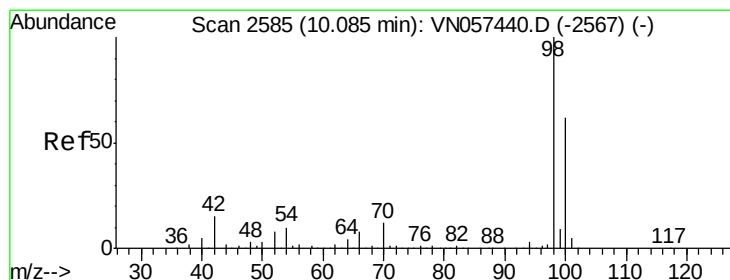
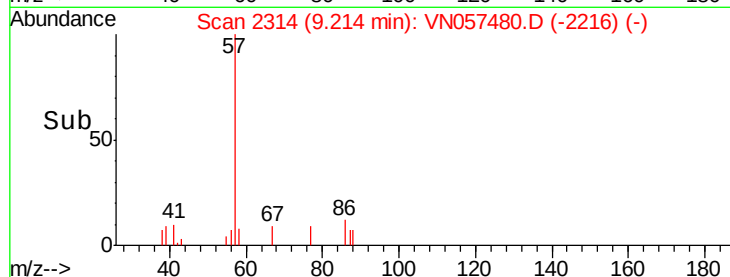
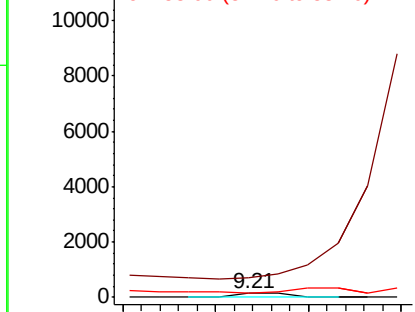
#49
 1,4-Dioxane
 Concen: 0.721 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: VN057480.D
 Acq: 23 Aug 2019 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(2.5)

Tgt Ion: 88 Resp: 58
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.0 46.6#
 58 344.8 64.5 96.7#

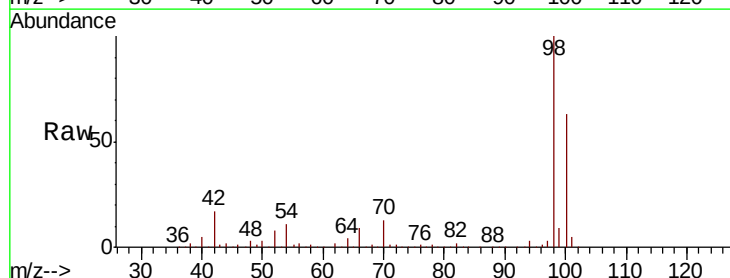


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

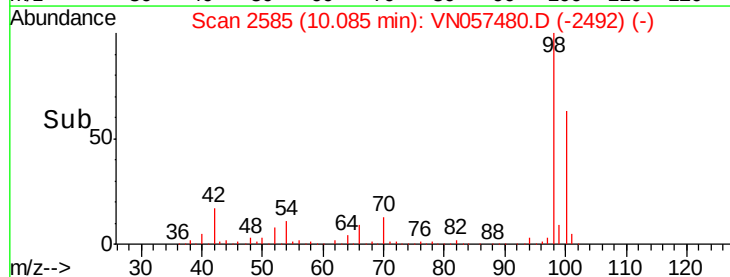
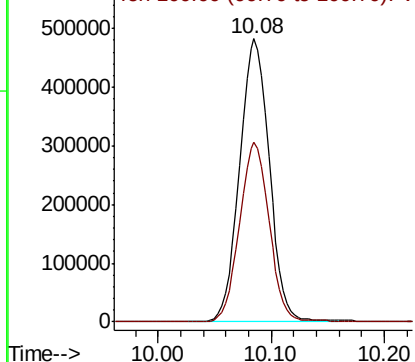


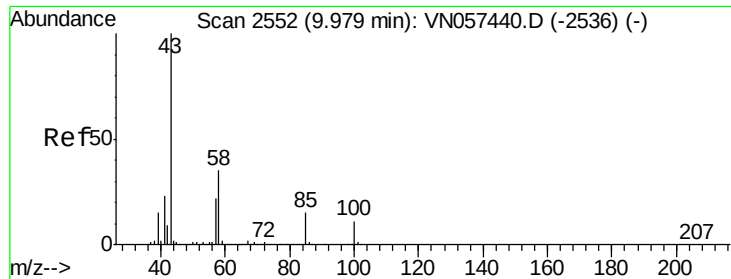
#50
 Toluene-d8
 Concen: 49.054 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057480.D
 Acq: 23 Aug 2019 18:45

Tgt Ion: 98 Resp: 885810
 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

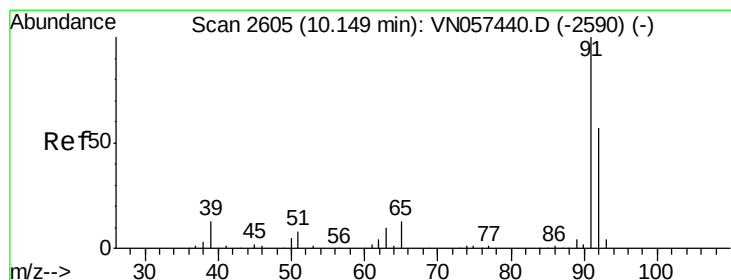
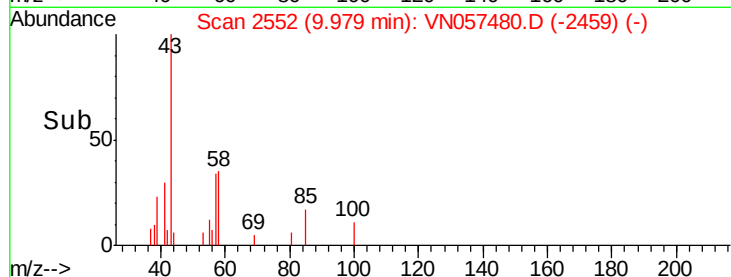
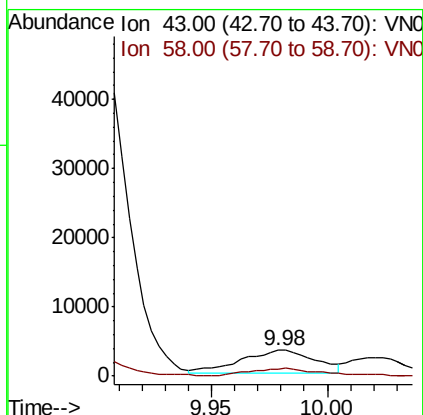
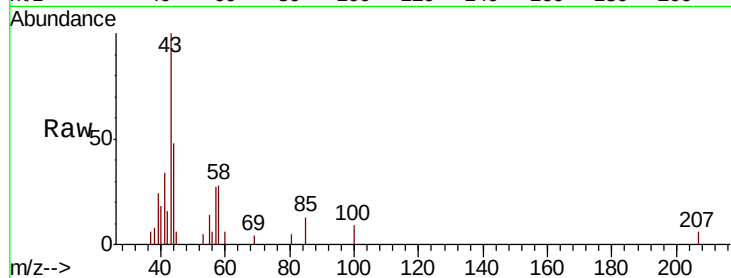




#51
 4-Methyl-2-Pentanone
 Concen: 1.039 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057480.D
 Acq: 23 Aug 2019 18:45

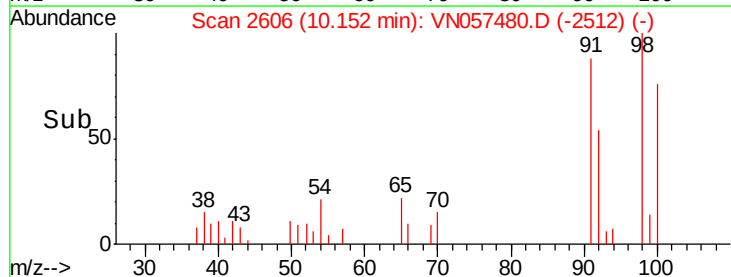
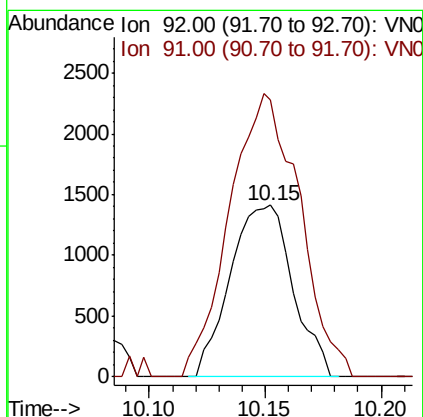
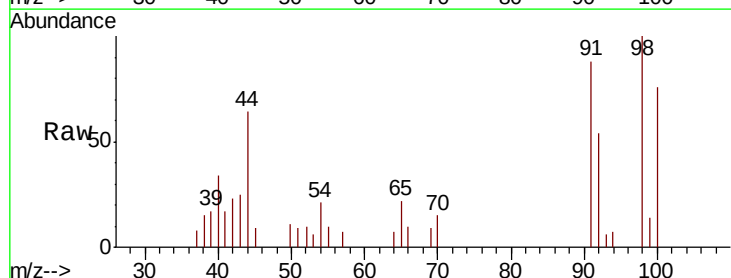
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(2.5)

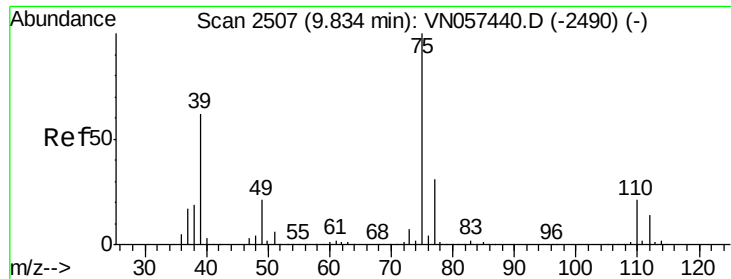
Tgt Ion: 43 Resp: 7581
 Ion Ratio Lower Upper
 43 100
 58 29.3 27.9 41.9



#52
 Toluene
 Concen: 0.212 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057480.D
 Acq: 23 Aug 2019 18:45

Tgt Ion: 92 Resp: 2651
 Ion Ratio Lower Upper
 92 100
 91 184.9 140.9 211.3





#54

cis-1,3-Dichloropropene

Concen: 3.599 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

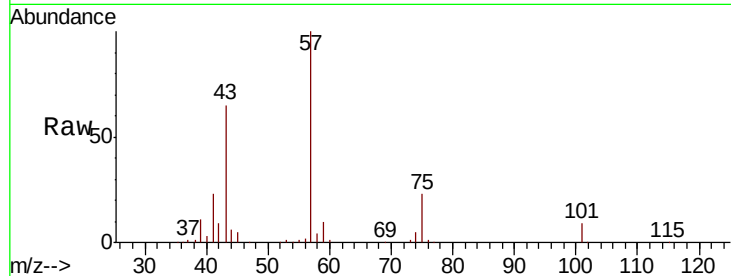
Tgt Ion: 75 Resp: 33812

Ion Ratio Lower Upper

75 100

77 1.5 25.0 37.6#

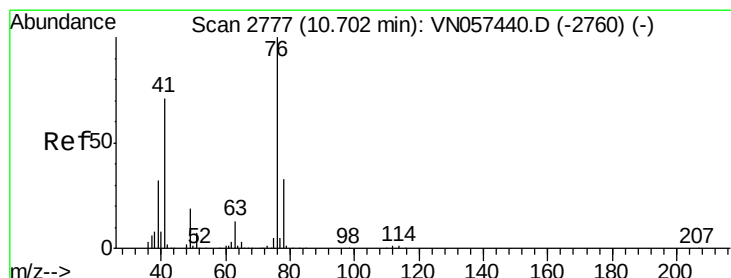
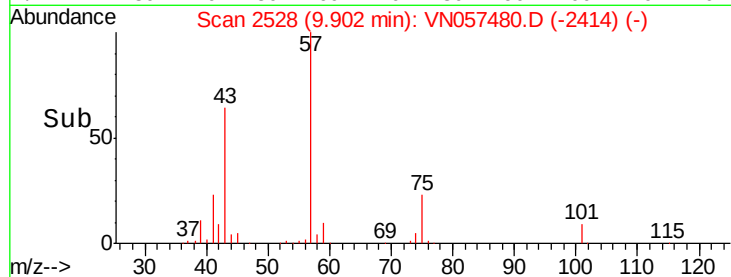
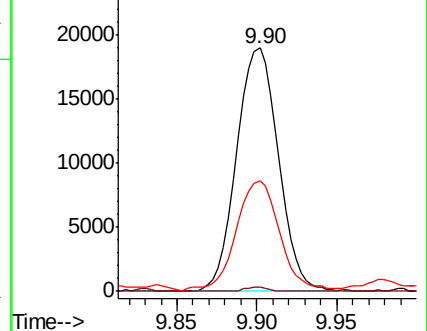
39 44.3 49.2 73.8#



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-Dichloropropene

Concen: 0.559 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.05 min

Lab File: VN057480.D

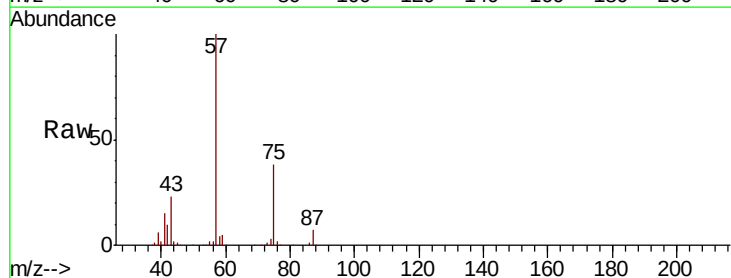
Acq: 23 Aug 2019 18:45

Tgt Ion: 76 Resp: 4918

Ion Ratio Lower Upper

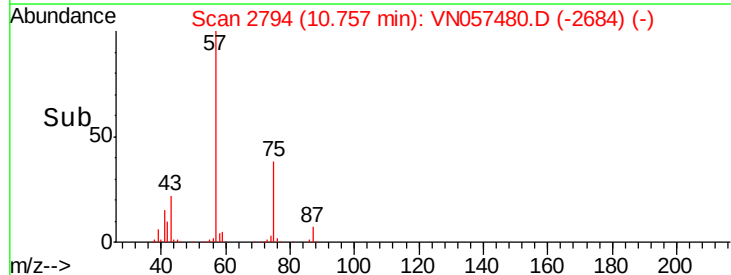
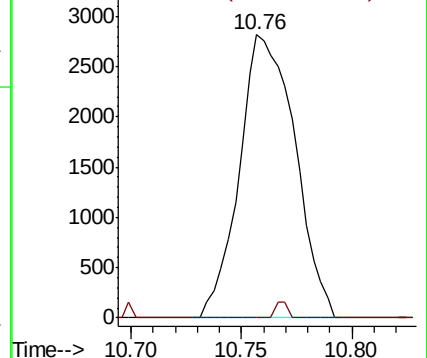
76 100

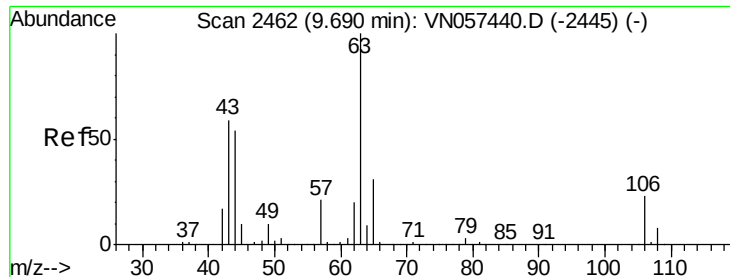
78 1.2 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 17.094 ug/l

RT: 9.65 min Scan# 2450

Delta R.T. -0.04 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

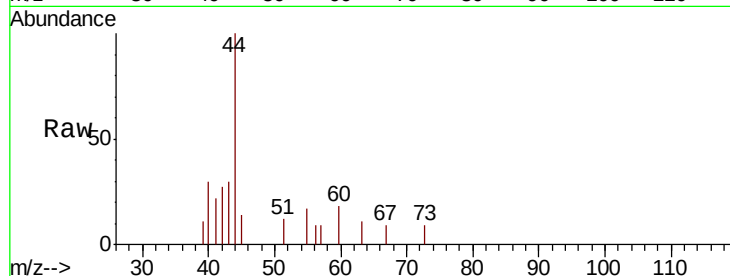
T1-S2(2.5)

Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200

150

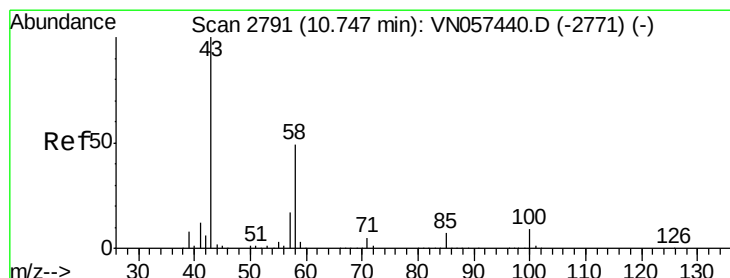
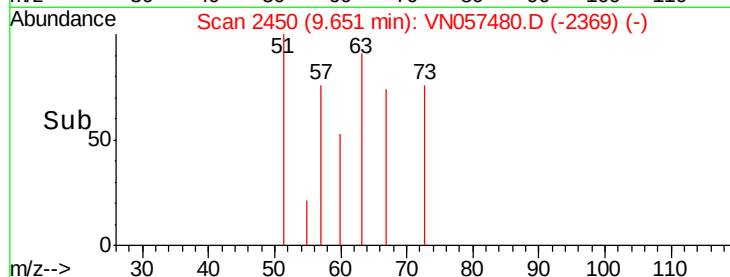
100

50

0

9.64 9.65 9.66

Time-->



#59

2-Hexanone

Concen: 14.279 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN057480.D

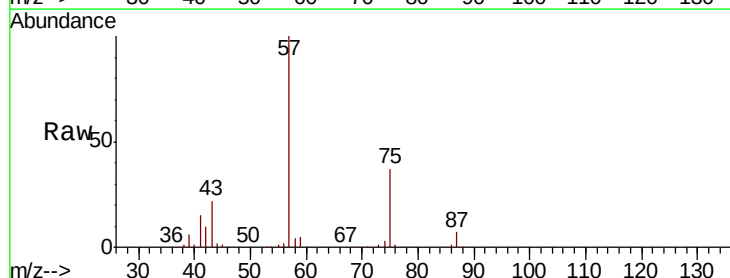
Acq: 23 Aug 2019 18:45

Tgt Ion: 43 Resp: 71449

Ion Ratio Lower Upper

43 100

58 17.0 24.6 73.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

60000

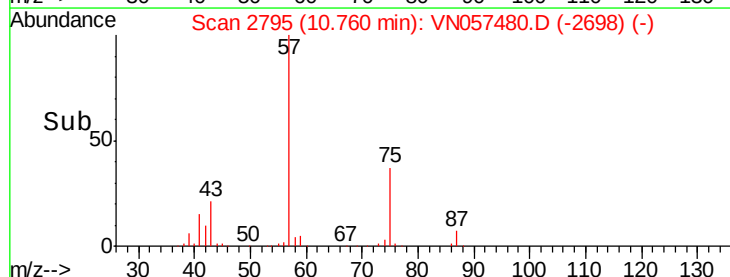
40000

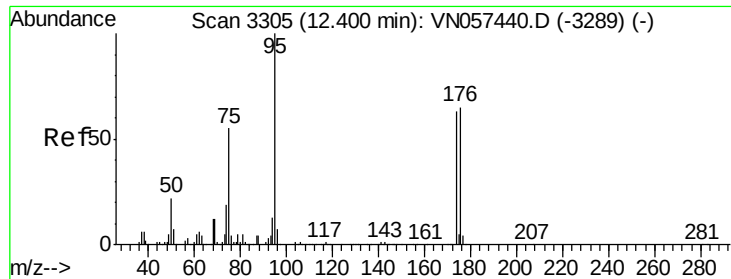
20000

0

10.75 10.80

Time-->





#62

4-Bromofluorobenzene

Concen: 39.780 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

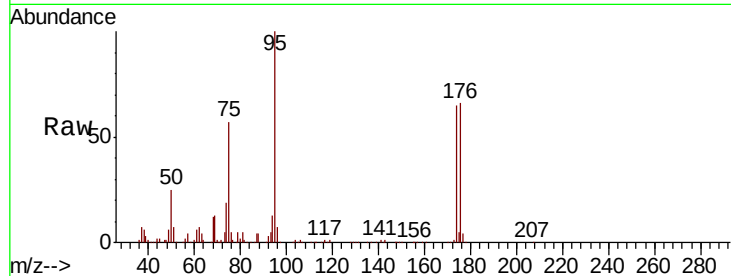
Tgt Ion: 95 Resp: 243433

Ion Ratio Lower Upper

95 100

174 67.1 0.0 133.0

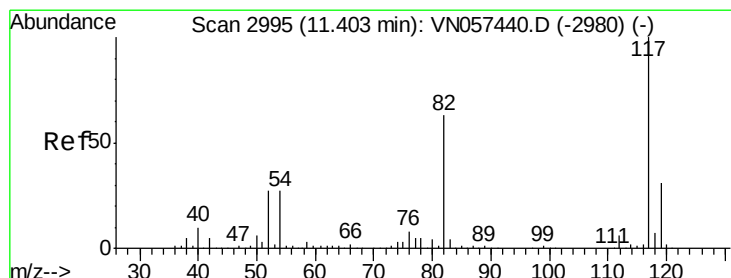
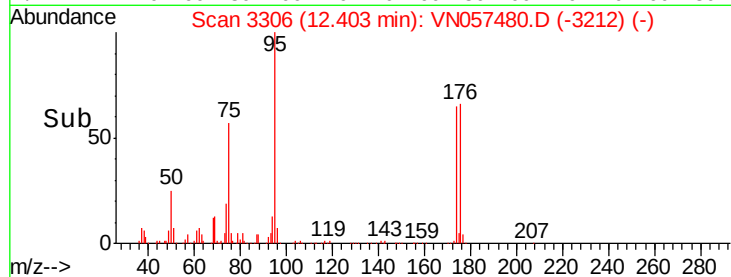
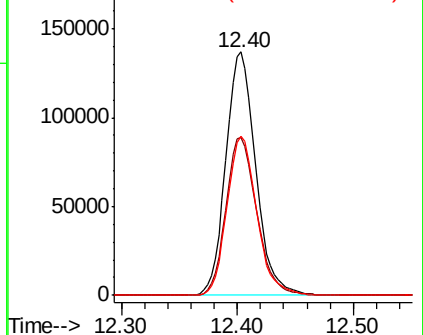
176 65.2 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

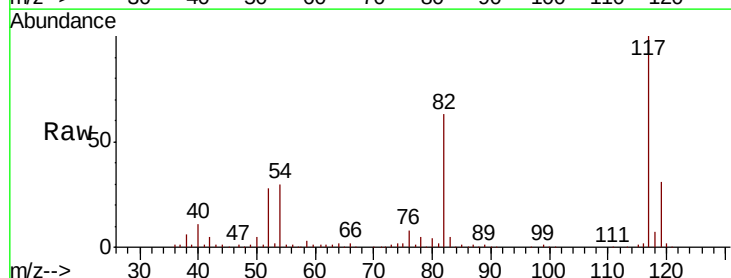
Tgt Ion: 117 Resp: 577522

Ion Ratio Lower Upper

117 100

82 63.5 50.6 75.8

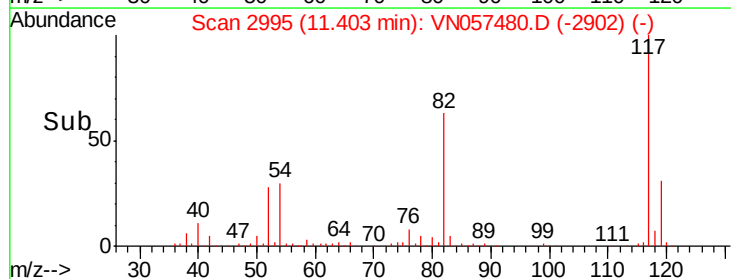
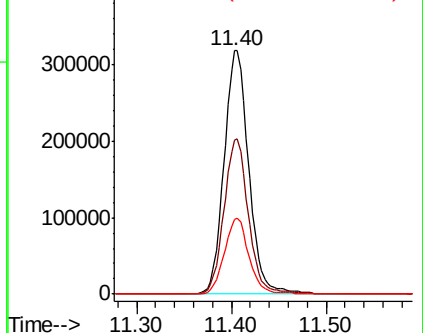
119 30.9 24.6 36.8

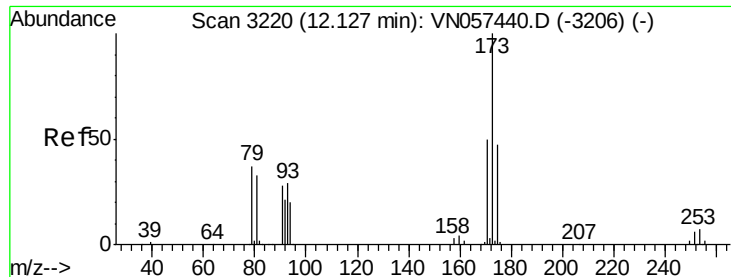


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.741 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

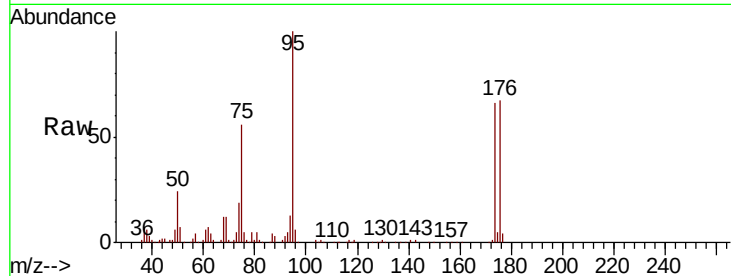
Tgt Ion:173 Resp: 2242

Ion Ratio Lower Upper

173 100

175 458.8 23.9 71.8#

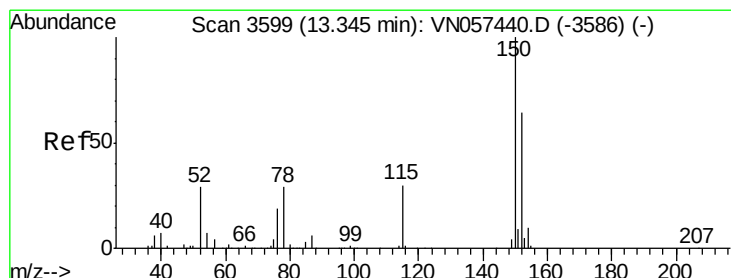
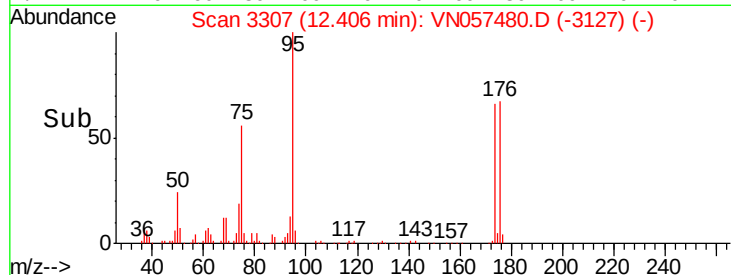
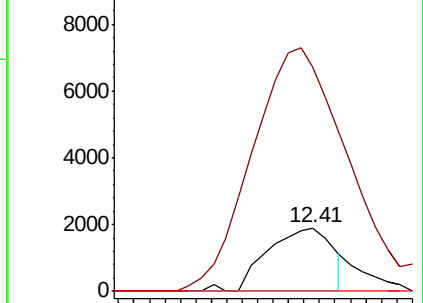
254 0.0 0.1 0.1#



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: VN057480.D

Acq: 23 Aug 2019 18:45

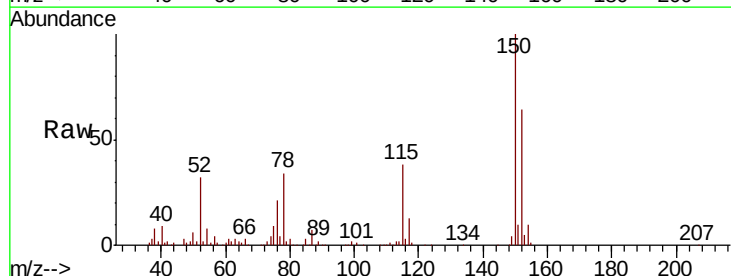
Tgt Ion:152 Resp: 138784

Ion Ratio Lower Upper

152 100

115 61.7 32.0 96.0

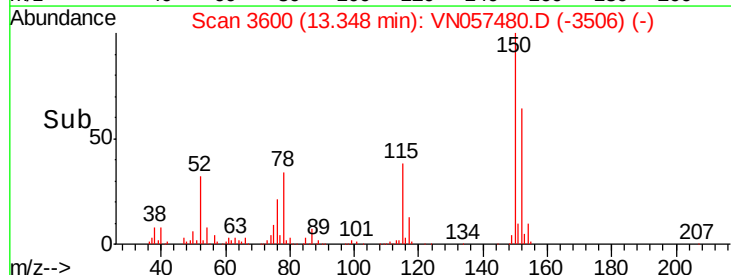
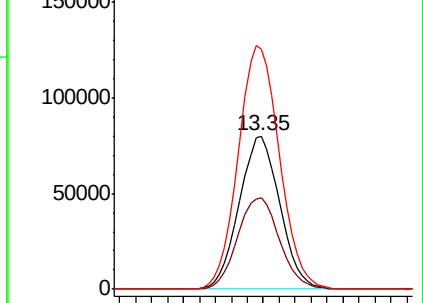
150 161.5 0.0 346.6

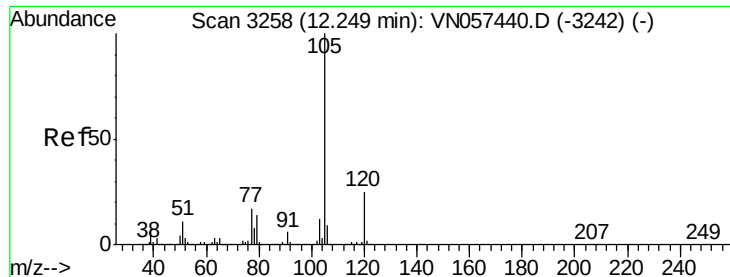


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. 0.16 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

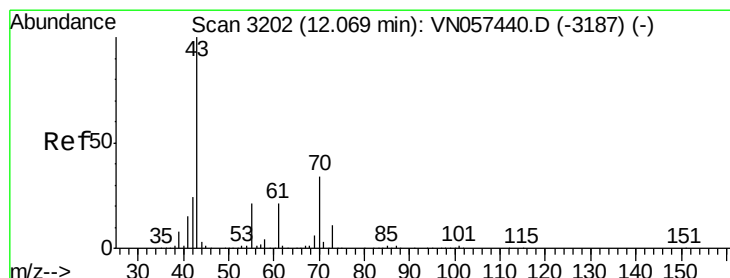
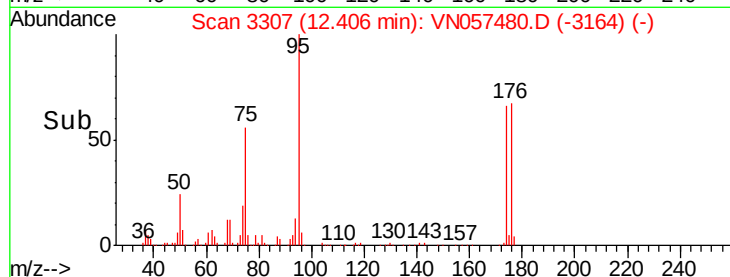
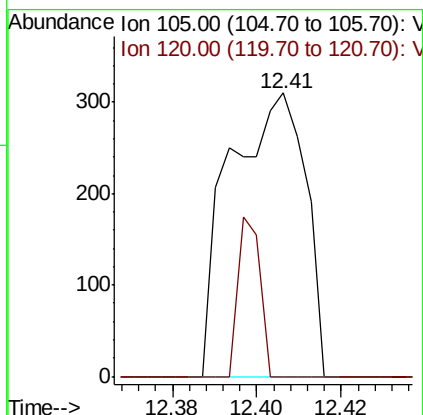
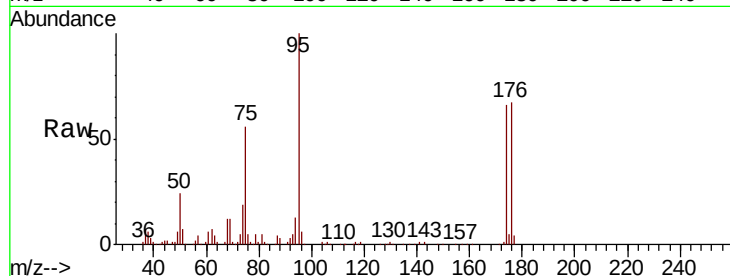
T1-S2(2.5)

Tgt Ion: 105 Resp: 384

Ion Ratio Lower Upper

105 100

120 16.7 12.7 38.0



#74

N-amyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Tgt Ion: 43 Resp: 2067

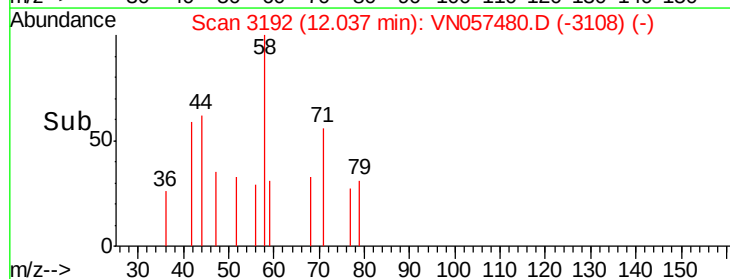
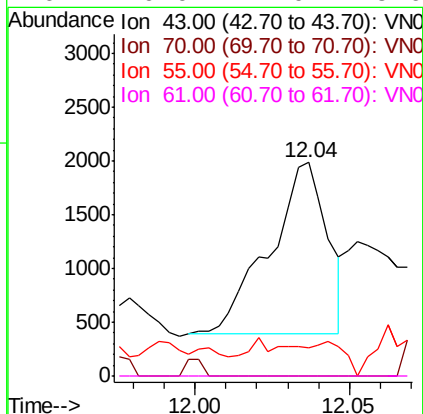
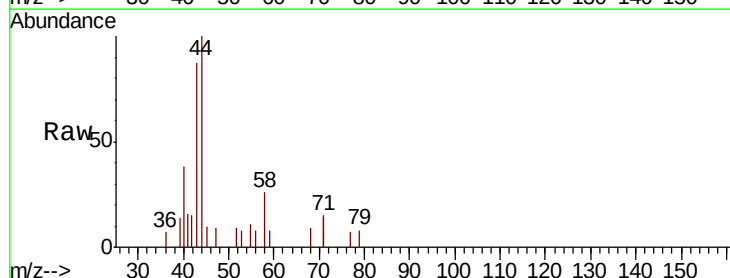
Ion Ratio Lower Upper

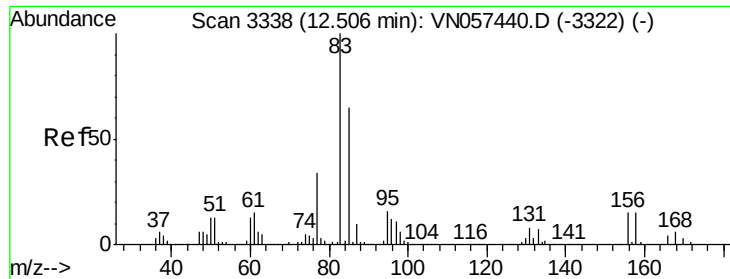
43 100

70 0.0 27.8 41.6#

55 4.3 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# 3337

Delta R.T. -0.00 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampled :

T1-S2(2.5)

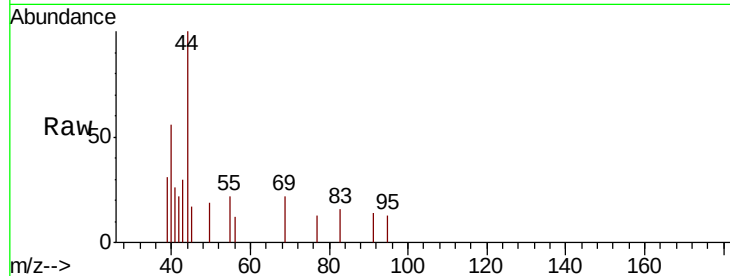
Tgt Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

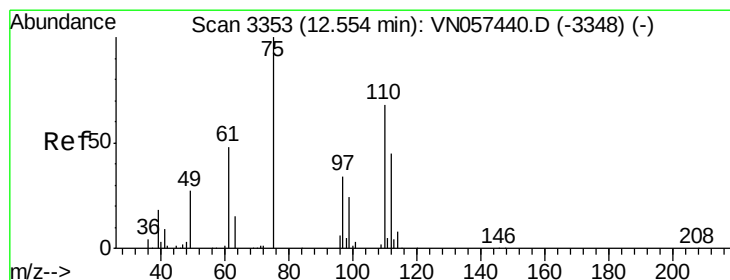
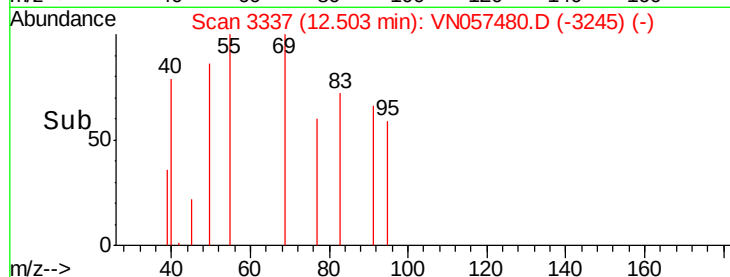
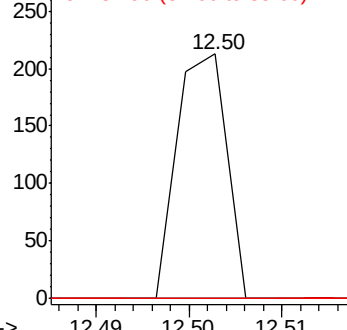
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 44.390 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057480.D

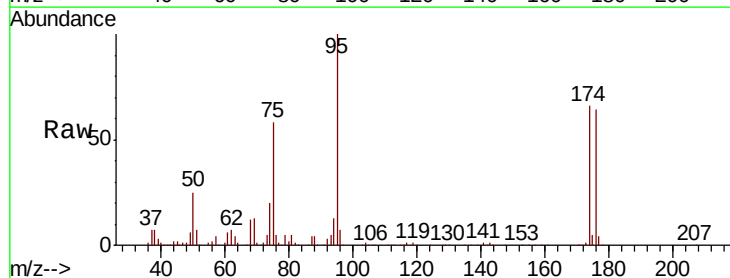
Acq: 23 Aug 2019 18:45

Tgt Ion: 75 Resp: 137650

Ion Ratio Lower Upper

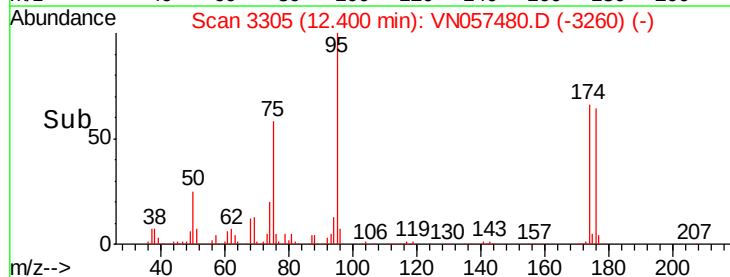
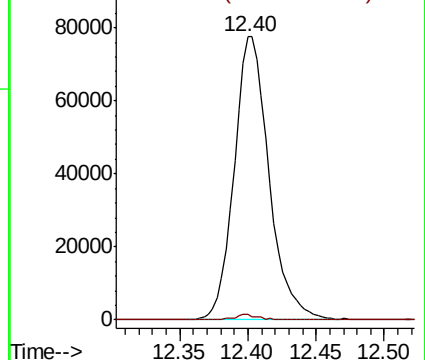
75 100

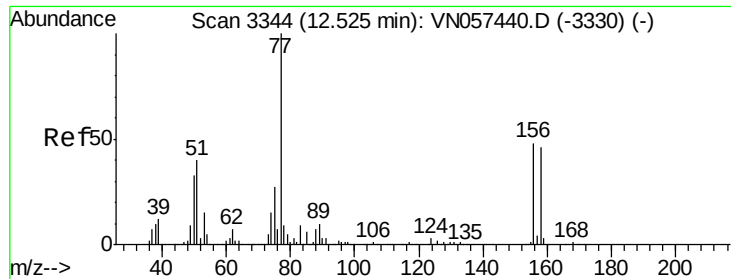
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

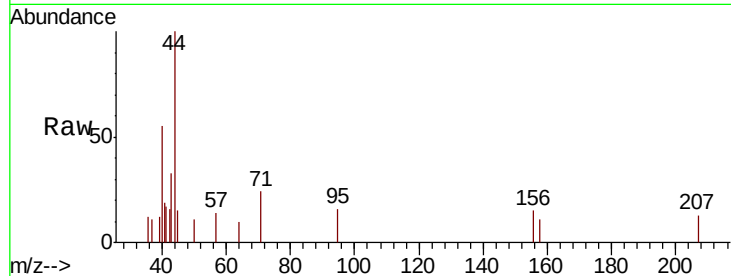
Tgt Ion:156 Resp: 114

Ion Ratio Lower Upper

156 100

77 102.6 124.4 373.3#

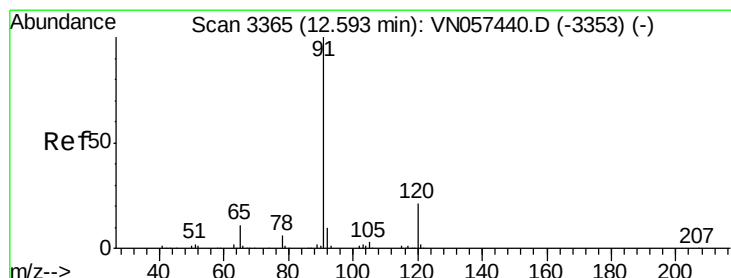
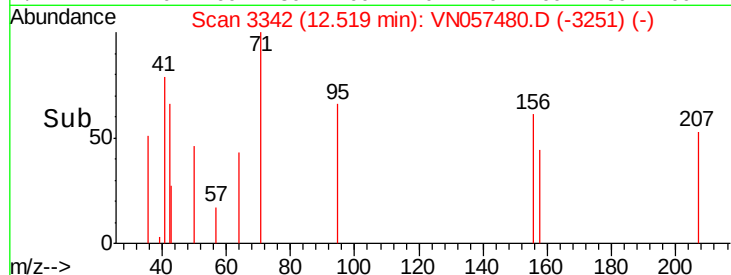
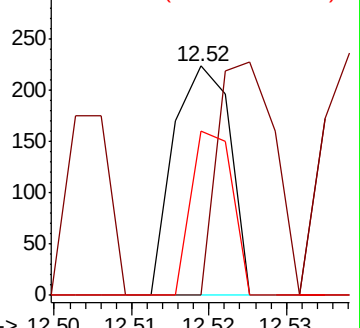
158 52.6 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057480.D

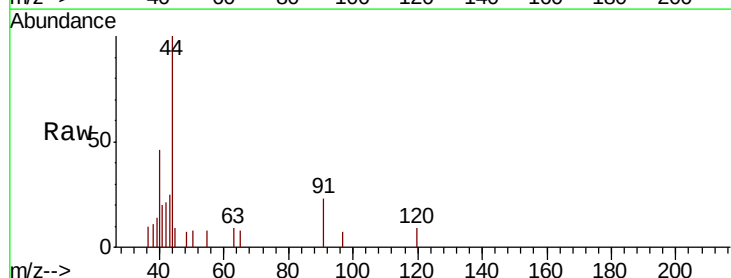
Acq: 23 Aug 2019 18:45

Tgt Ion: 91 Resp: 871

Ion Ratio Lower Upper

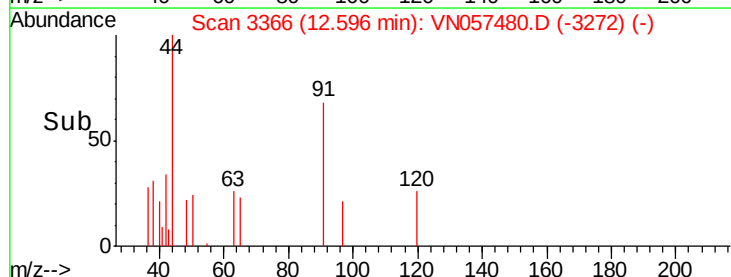
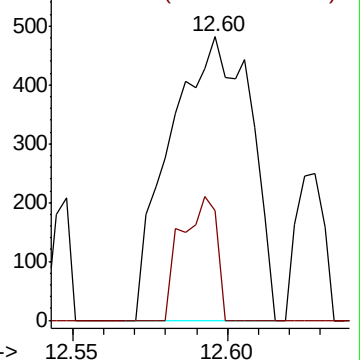
91 100

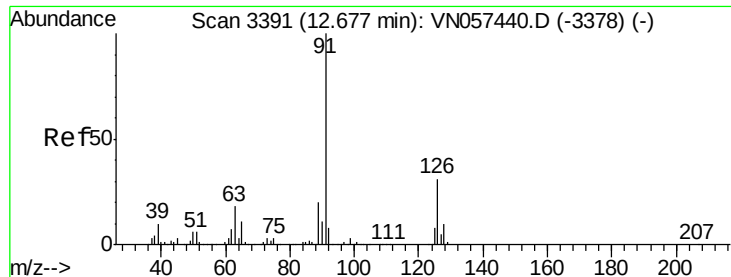
120 19.2 10.7 32.1



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: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

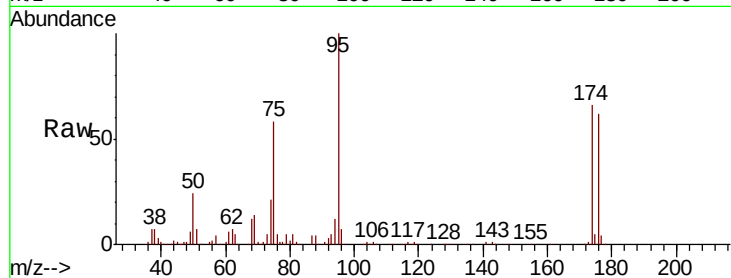
T1-S2(2.5)

Tgt Ion: 91 Resp: 321

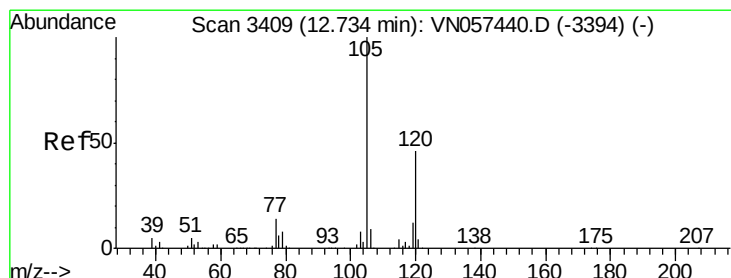
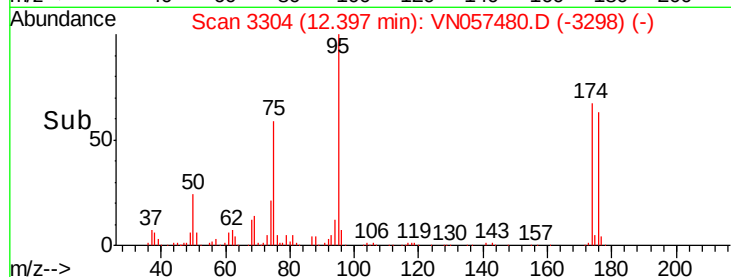
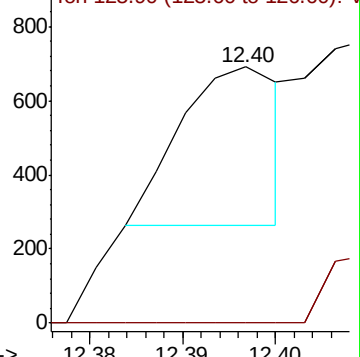
Ion Ratio Lower Upper

91 100

126 20.9 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN057480.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3407

Delta R.T. -0.01 min

Lab File: VN057480.D

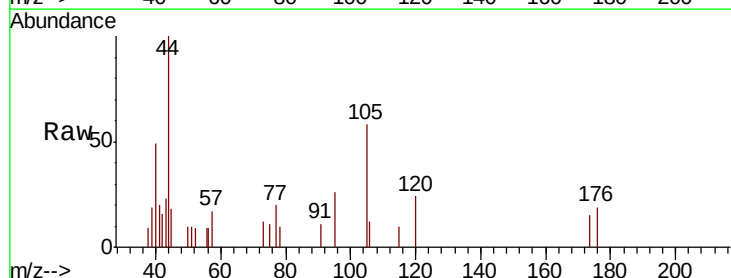
Acq: 23 Aug 2019 18:45

Tgt Ion: 105 Resp: 1365

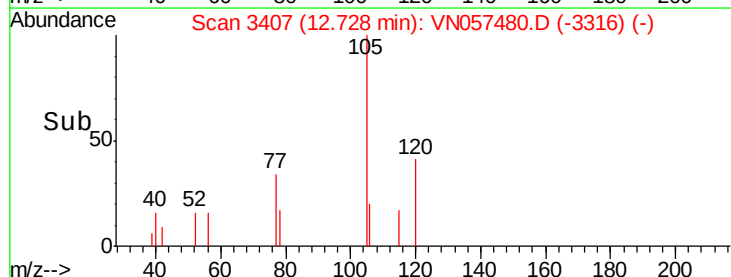
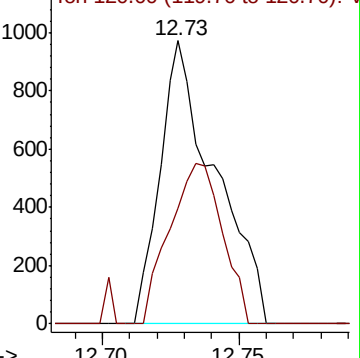
Ion Ratio Lower Upper

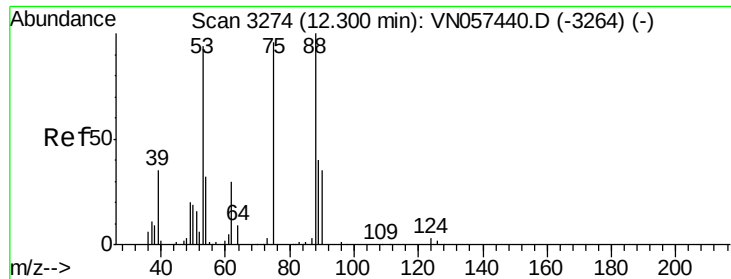
105 100

120 54.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057480.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 113.876 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

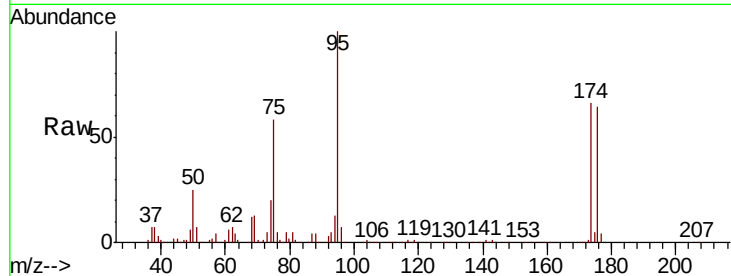
Tgt Ion: 75 Resp: 137650

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

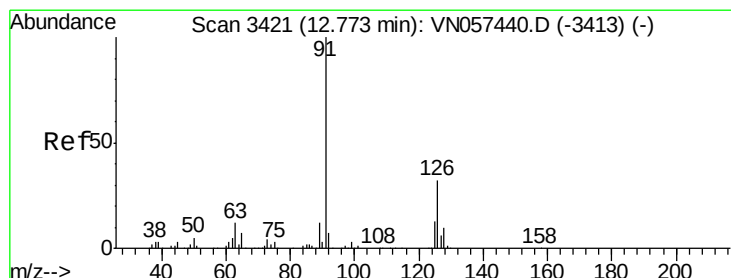
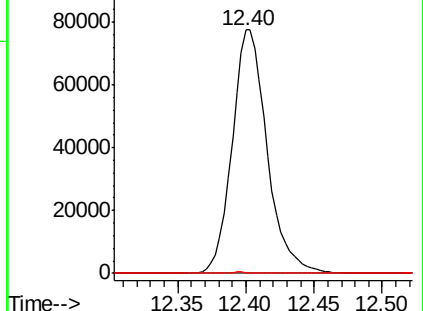
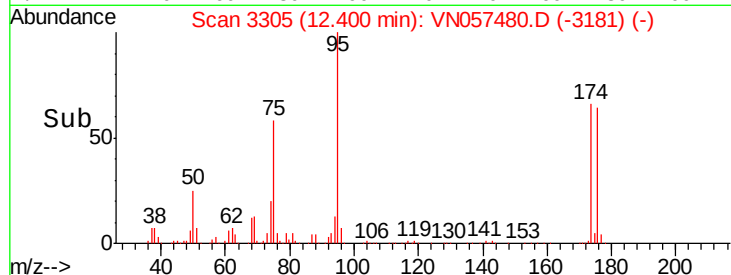
89 0.2 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3419

Delta R.T. -0.01 min

Lab File: VN057480.D

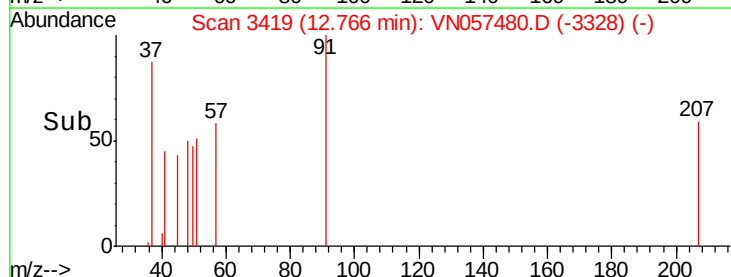
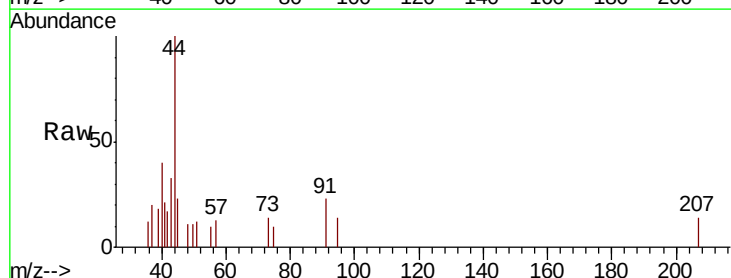
Acq: 23 Aug 2019 18:45

Tgt Ion: 91 Resp: 289

Ion Ratio Lower Upper

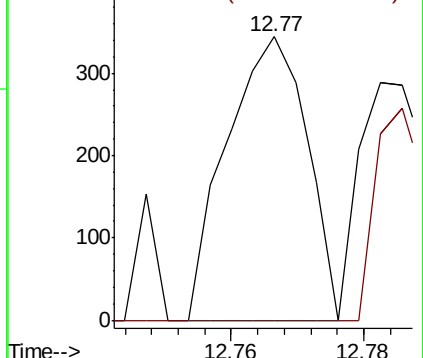
91 100

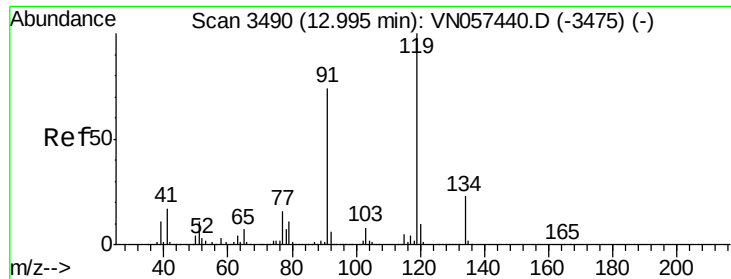
126 0.0 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

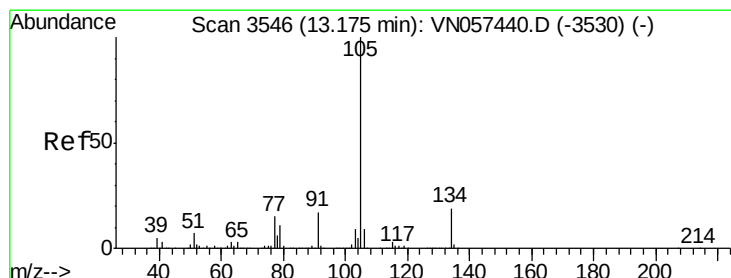
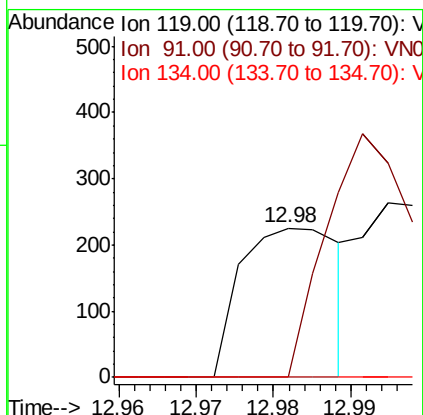
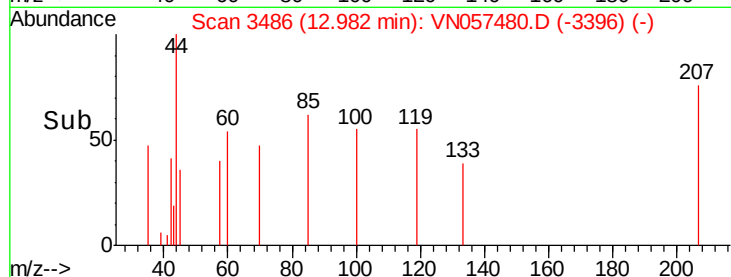
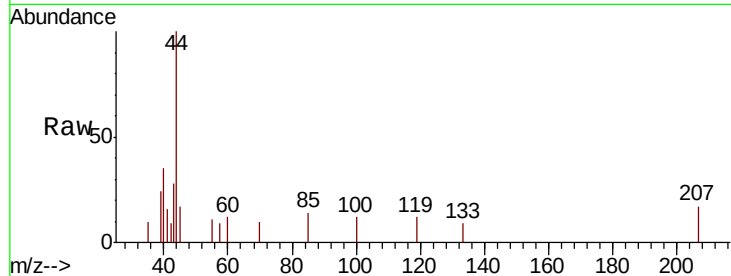




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.98 min Scan# 3486
Delta R.T. -0.01 min
Lab File: VN057480.D
Acq: 23 Aug 2019 18:45

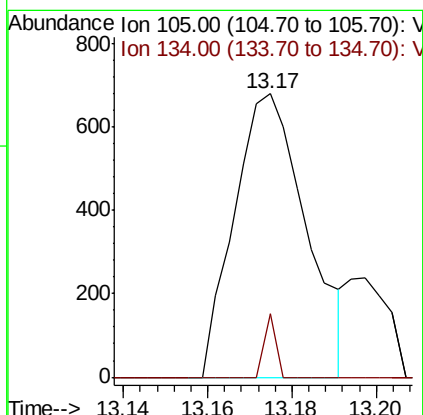
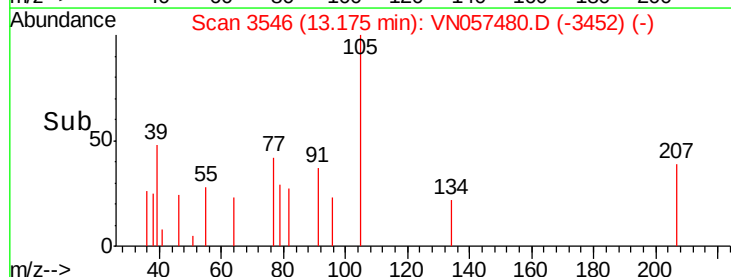
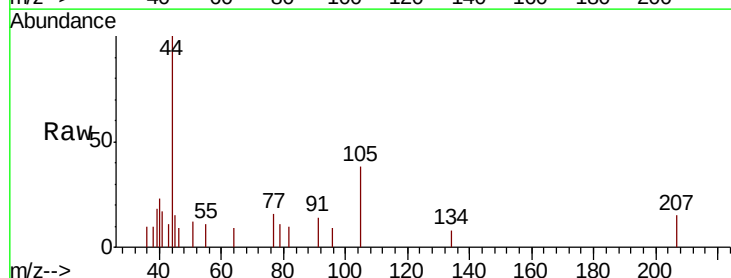
Instrument :
MSVOA_N
ClientSampleId :
T1-S2(2.5)

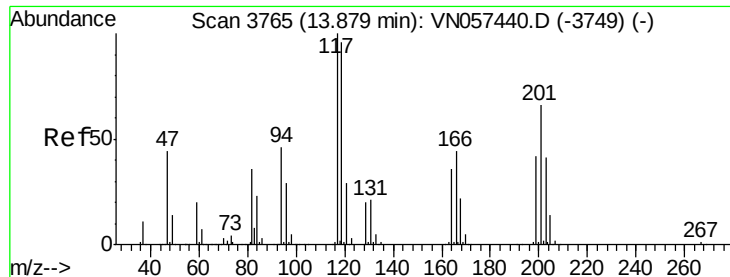
Tgt Ion:119 Resp: 200
Ion Ratio Lower Upper
119 100
91 184.0 37.0 111.0#
134 0.0 12.2 36.6#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3546
Delta R.T. 0.00 min
Lab File: VN057480.D
Acq: 23 Aug 2019 18:45

Tgt Ion:105 Resp: 803
Ion Ratio Lower Upper
105 100
134 3.6 9.3 27.9#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.83 min Scan# 3750

Delta R.T. -0.05 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

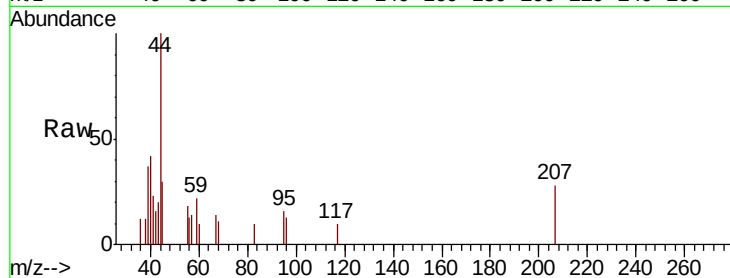
T1-S2(2.5)

Tgt Ion: 117 Resp: 30

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

13.83

150

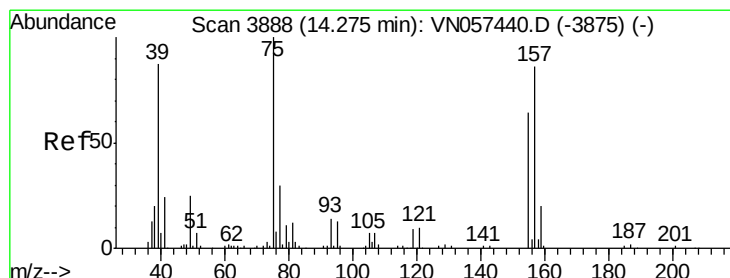
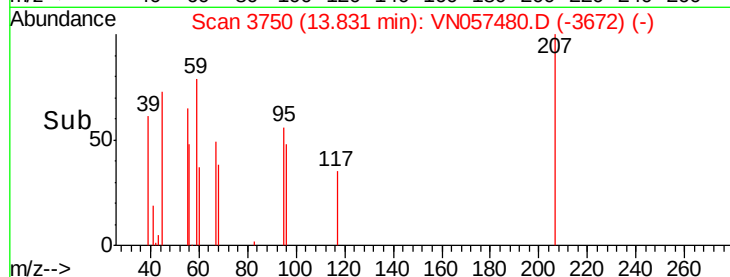
100

50

0

Time-->

13.82 13.83 13.84



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3892

Delta R.T. 0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

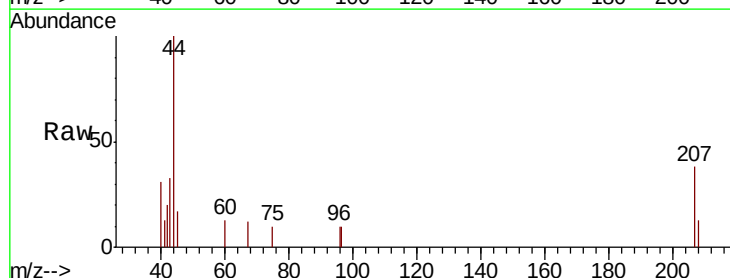
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

157 100.0 43.3 129.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

200

150

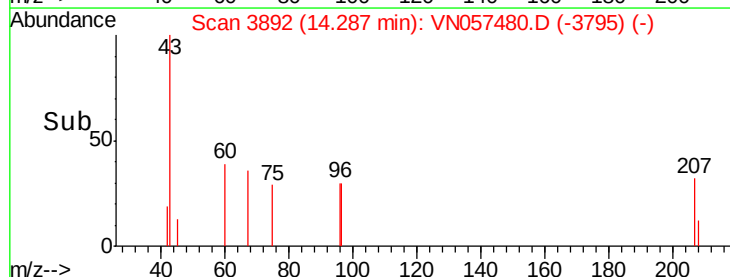
100

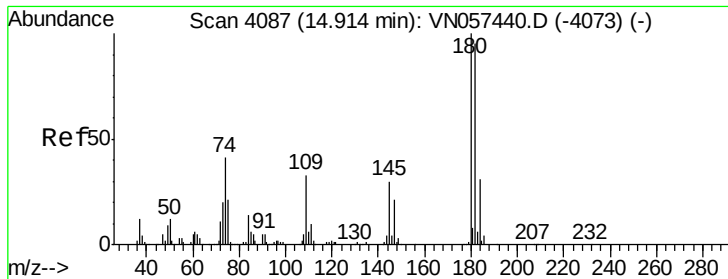
50

0

Time-->

14.28 14.29





#93

1,2,4-Trichlorobenzene

Concen: 5.672 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

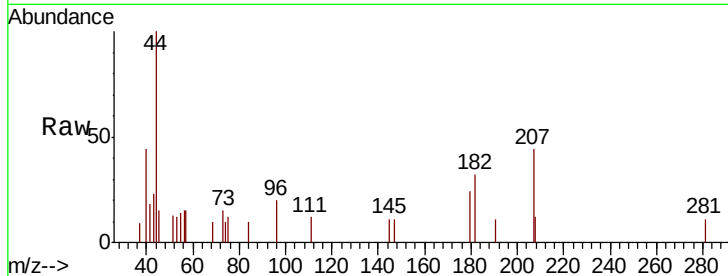
Tgt Ion:180 Resp: 583

Ion Ratio Lower Upper

180 100

182 111.0 46.7 140.1

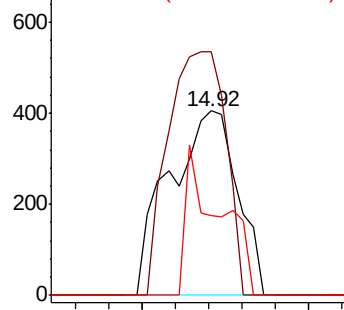
145 40.0 15.6 46.8



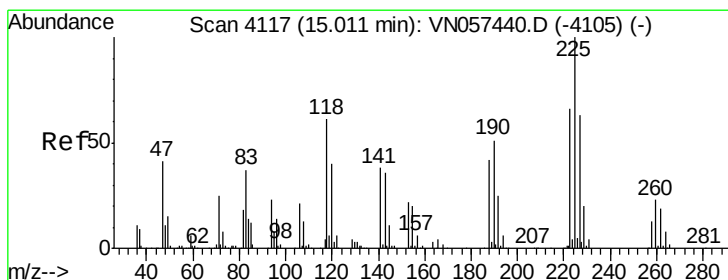
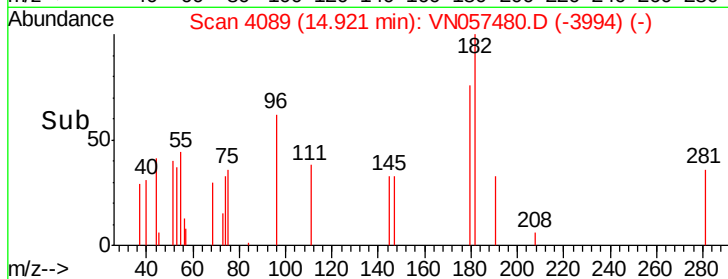
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

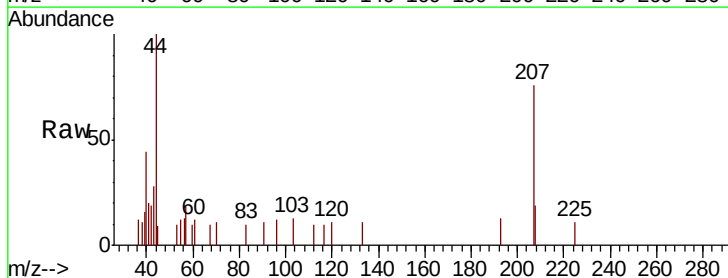
Tgt Ion:225 Resp: 63

Ion Ratio Lower Upper

225 100

223 0.0 32.0 96.2#

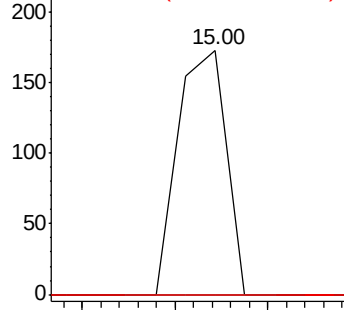
227 0.0 31.5 94.5#



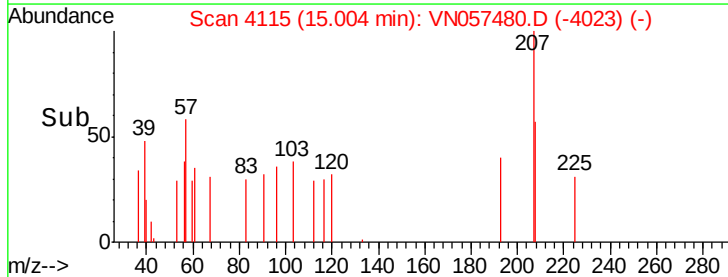
Abundance Ion 224.70 (224.40 to 225.40): V

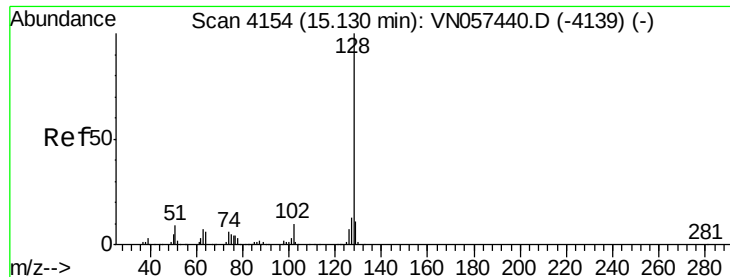
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 4.733 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(2.5)

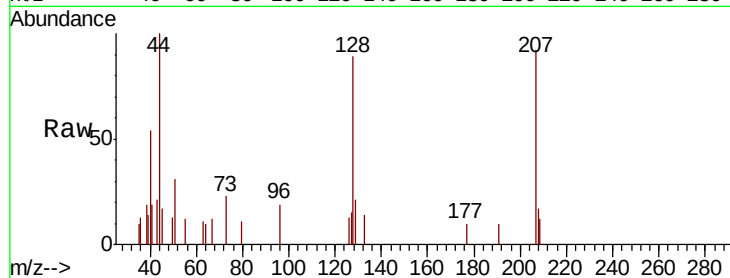
Tgt Ion:128 Resp: 2377

Ion Ratio Lower Upper

128 100

127 5.7 10.5 15.7#

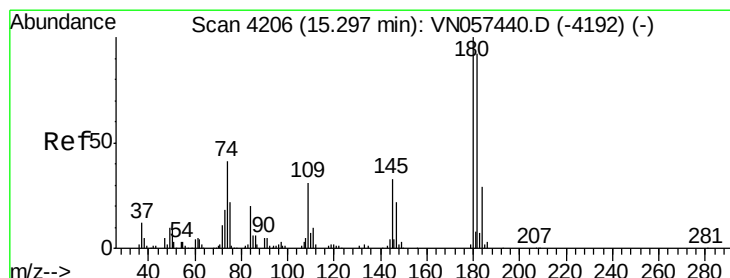
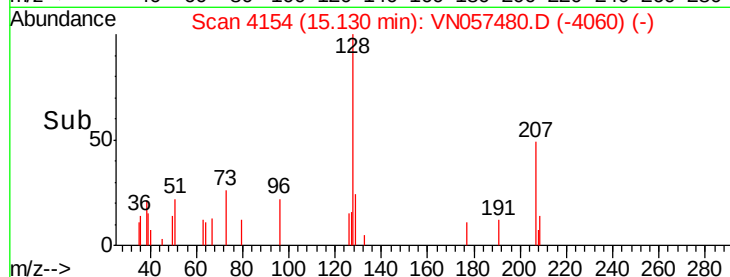
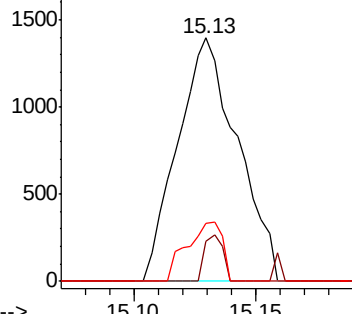
129 14.3 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 5.473 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.01 min

Lab File: VN057480.D

Acq: 23 Aug 2019 18:45

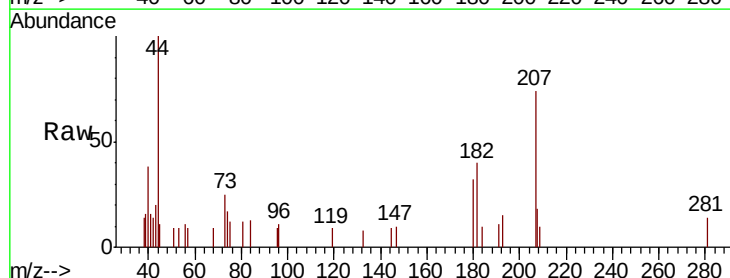
Tgt Ion:180 Resp: 690

Ion Ratio Lower Upper

180 100

182 152.5 46.7 140.1#

145 9.0 16.8 50.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

