

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057510.D
 Acq On : 26 Aug 2019 14:35
 Operator : JC/SP
 Sample : K4475-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-D-(2.5)

Quant Time: Aug 27 07:14:13 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	392110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	681718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	580003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	144813	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	320580	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
35) Dibromofluoromethane	7.57	113	215962	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	10.09	98	880485	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.40	95	248558	42.13	ug/l	0.00
Spiked Amount			Recovery	=	84.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1511	0.229	ug/l	97
8) Diethyl Ether	3.40	74	1233	Below Cal		86
9) 1,1,2-Trichlorotrifluoroet	3.71	101	198	Below Cal	#	1
11) Tert butyl alcohol	4.78	59	277	0.323	ug/l #	1
13) Acrolein	3.58	56	348	0.462	ug/l #	2
16) Acetone	3.80	43	15249	4.814	ug/l	99
18) Methyl Acetate	4.30	43	12756	0.930	ug/l #	67
20) Methylene Chloride	4.52	84	17466	3.649	ug/l	97
25) 2-Butanone	6.82	43	1153	0.335	ug/l	98
31) Cyclohexane	7.65	56	12434	1.283	ug/l #	37
36) 1,1-Dichloropropene	7.65	75	38546	5.534	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43056	6.222	ug/l #	16
43) Isopropyl Acetate	8.16	43	107825	8.543	ug/l	99
46) Dibromomethane	9.10	93	31	Below Cal	#	10
48) Methyl methacrylate	9.18	41	6612	1.102	ug/l #	16
49) 1,4-Dioxane	9.19	88	64	0.825	ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	6703	0.953	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	41442	4.574	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	6734	0.794	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.70	63	29	17.077	ug/l #	52
59) 2-Hexanone	10.76	43	103657	21.486	ug/l #	54
73) Isopropylbenzene	12.26	105	197	Below Cal	#	50
74) N-amyl acetate	12.04	43	5244	Below Cal	#	51
75) 1,1,2,2-Tetrachloroethane	12.45	83	146	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	142575	44.035	ug/l #	100
78) n-propylbenzene	12.61	91	124	Below Cal	#	55
79) 2-Chlorotoluene	12.69	91	208	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.73	105	619	Below Cal		67
81) trans-1,4-Dichloro-2-buten	12.40	75	142575	113.016	ug/l #	8
82) 4-Chlorotoluene	12.79	91	240	Below Cal	#	45
83) tert-Butylbenzene	13.14	119	30	Below Cal	#	22
85) sec-Butylbenzene	13.18	105	183	Below Cal	#	58
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.92	180	30	5.387	ug/l #	13

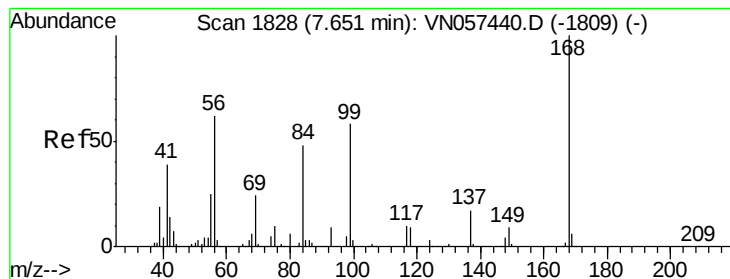
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
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QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	540	4.425	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

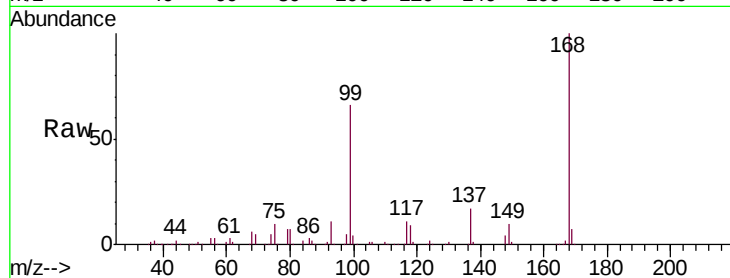
T1-2-D-(2.5)

Tgt Ion:168 Resp: 392110

Ion Ratio Lower Upper

168 100

99 65.8 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

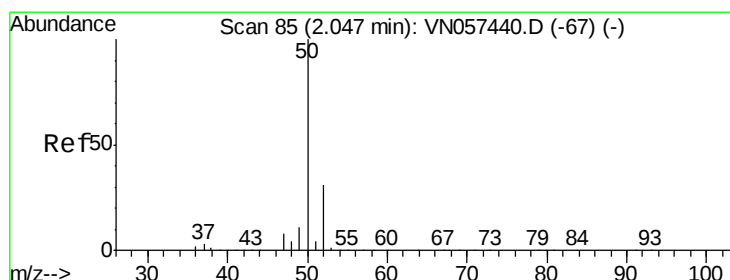
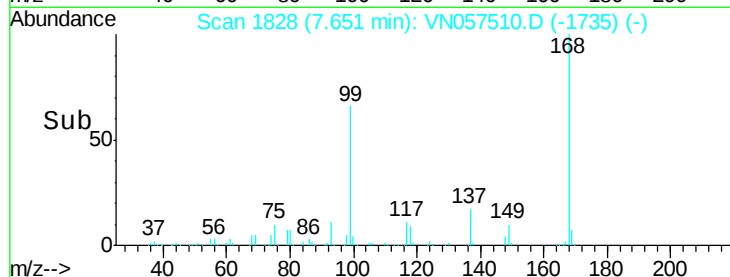
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.229 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057510.D

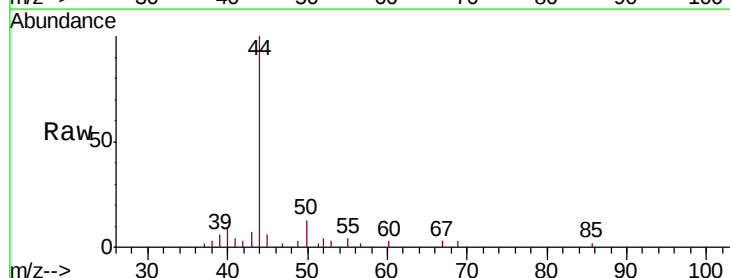
Acq: 26 Aug 2019 14:35

Tgt Ion: 50 Resp: 1511

Ion Ratio Lower Upper

50 100

52 32.8 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

1000

800

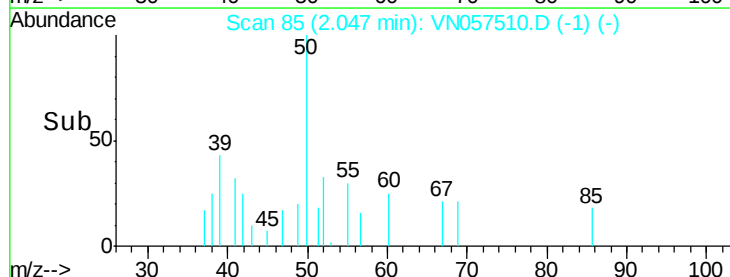
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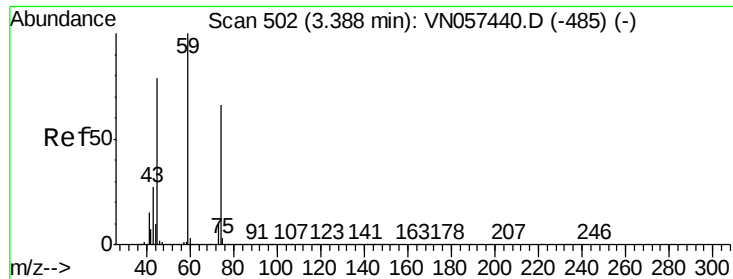
400

200

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.40 min Scan# 505

Delta R.T. 0.01 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

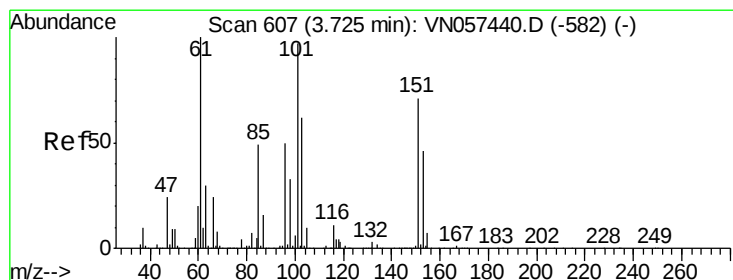
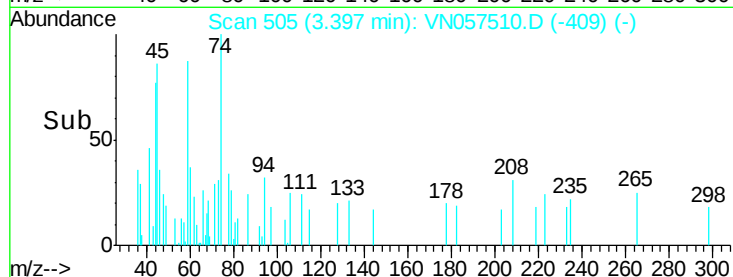
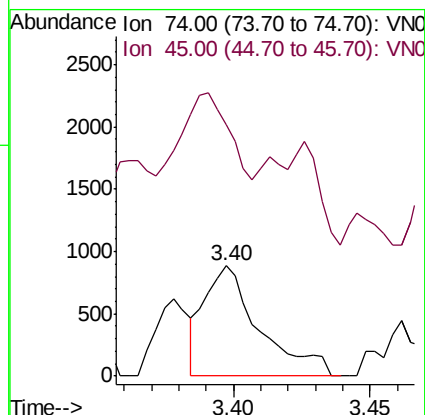
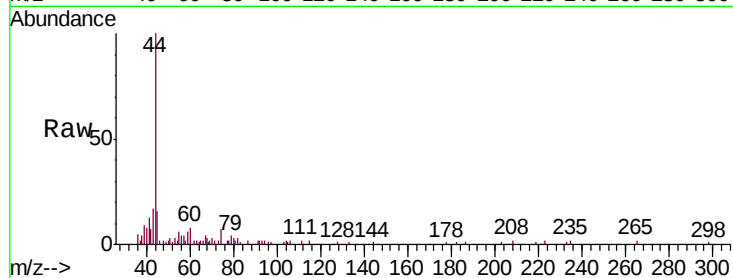
T1-2-D-(2.5)

Tgt Ion: 74 Resp: 1233

Ion Ratio Lower Upper

74 100

45 131.0 57.9 173.6



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

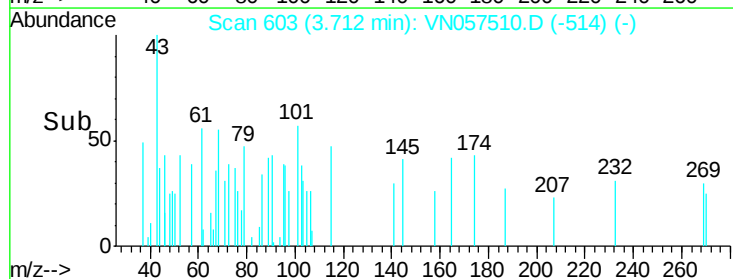
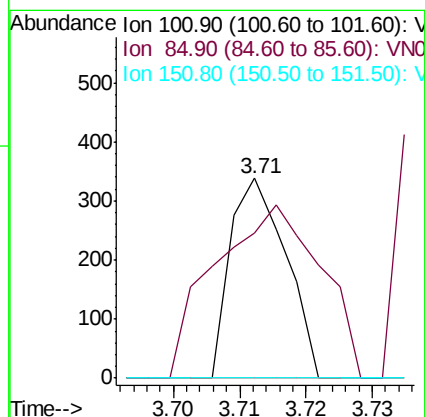
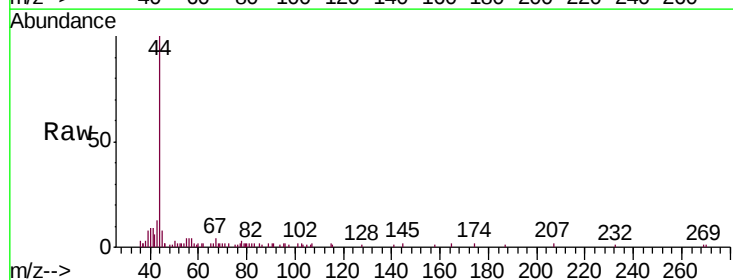
Tgt Ion: 101 Resp: 198

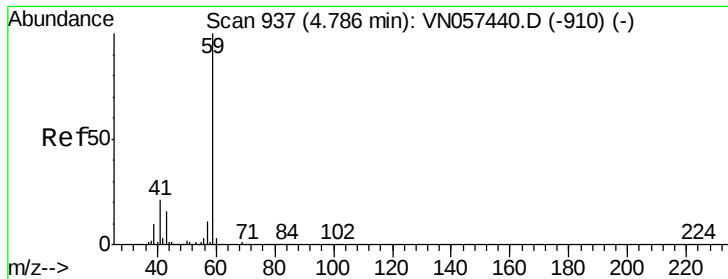
Ion Ratio Lower Upper

101 100

85 165.2 40.0 60.0#

151 0.0 57.0 85.6#

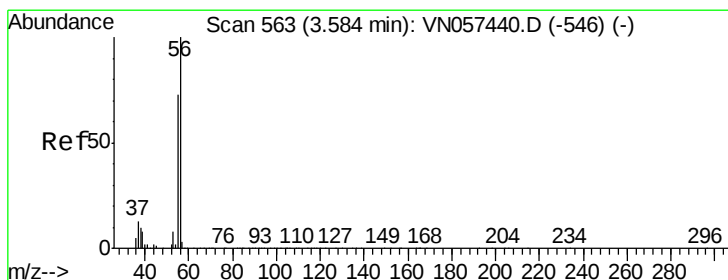
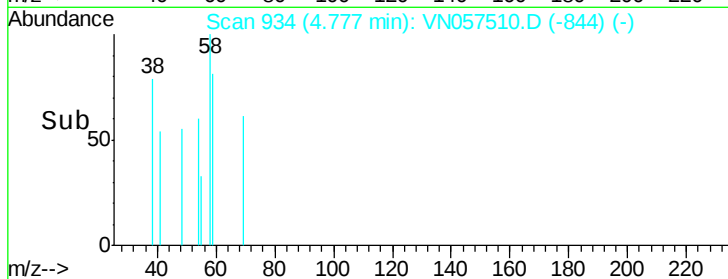
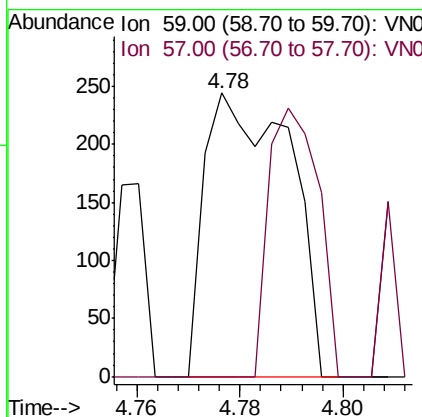
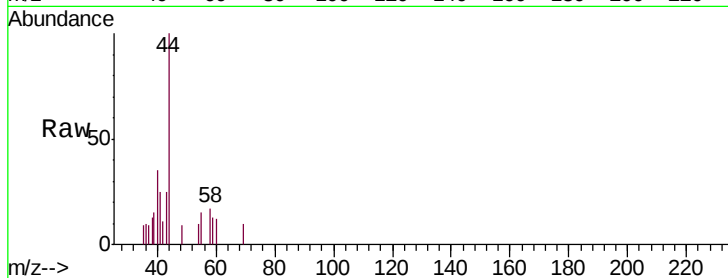




#11
Tert butyl alcohol
Concen: 0.323 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN057510.D
Acq: 26 Aug 2019 14:35

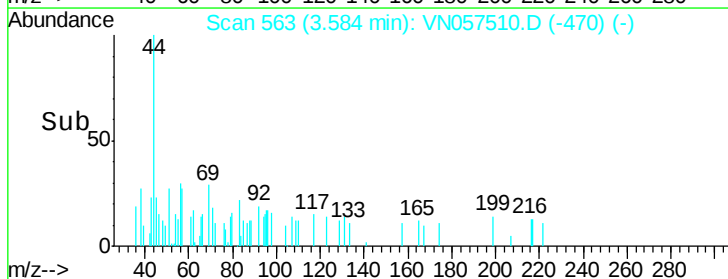
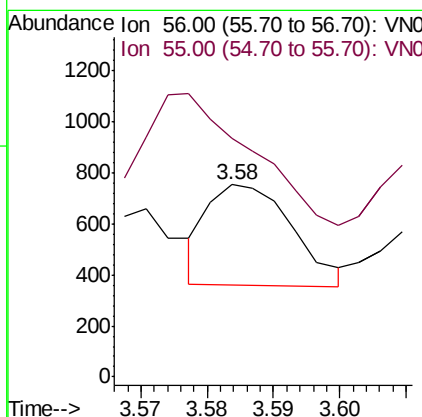
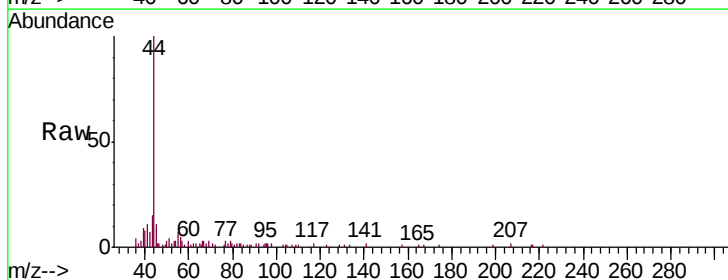
Instrument :
MSVOA_N
ClientSampled :
T1-2-D-(2.5)

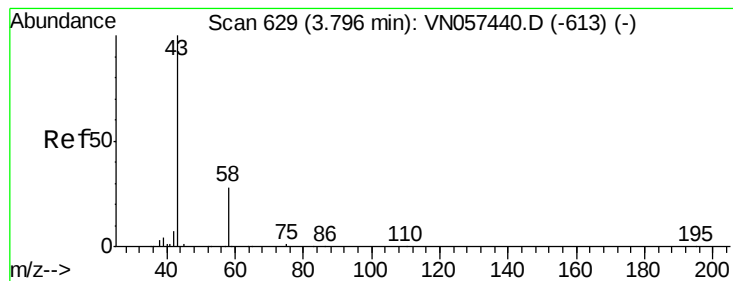
Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 55.6 9.1 13.7#



#13
Acrolein
Concen: 0.462 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057510.D
Acq: 26 Aug 2019 14:35

Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 156.6 59.0 88.4#





#16

Acetone

Concen: 4.814 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

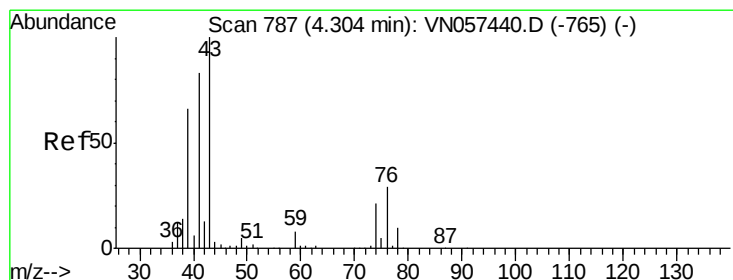
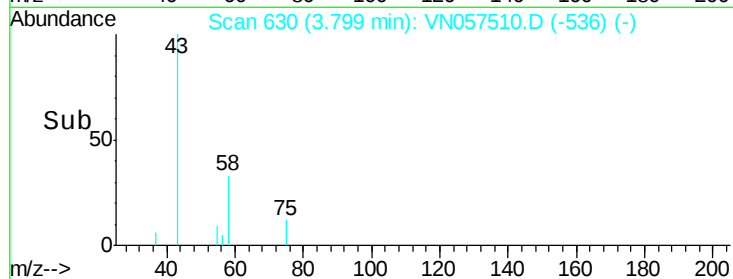
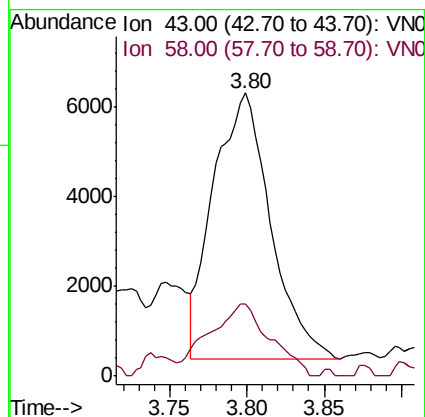
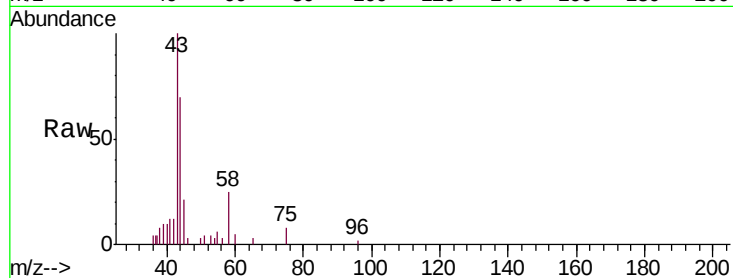
T1-2-D-(2.5)

Tgt Ion: 43 Resp: 15249

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1



#18

Methyl Acetate

Concen: 0.930 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057510.D

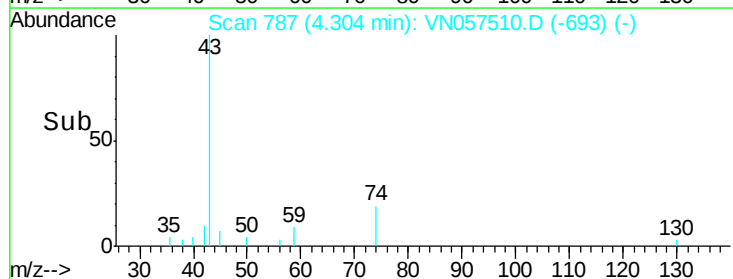
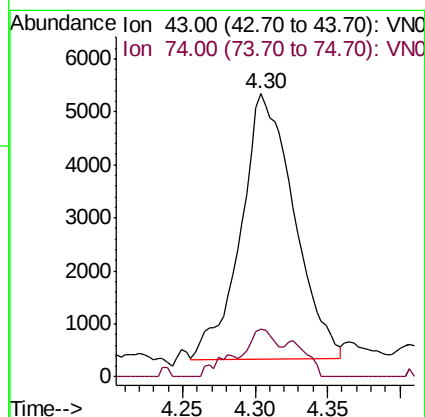
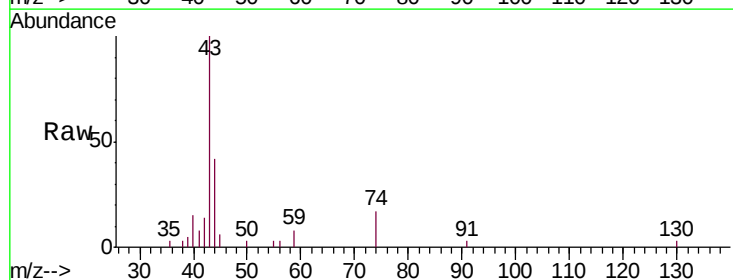
Acq: 26 Aug 2019 14:35

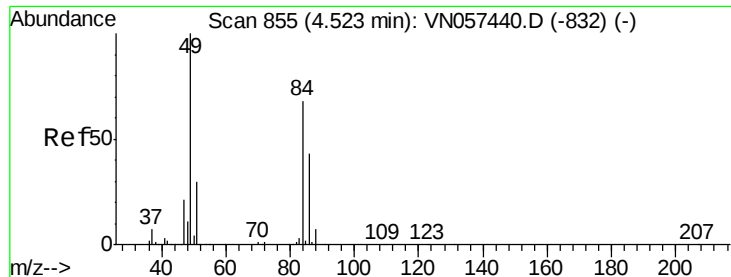
Tgt Ion: 43 Resp: 12756

Ion Ratio Lower Upper

43 100

74 4.7 15.9 23.9#





#20

Methylene Chloride

Concen: 3.649 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

T1-2-D-(2.5)

Tgt Ion: 84 Resp: 17466

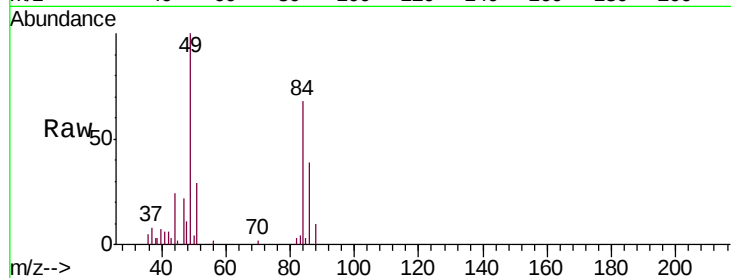
Ion Ratio Lower Upper

84 100

49 144.7 117.0 175.4

51 42.9 35.5 53.3

86 57.6 49.8 74.8

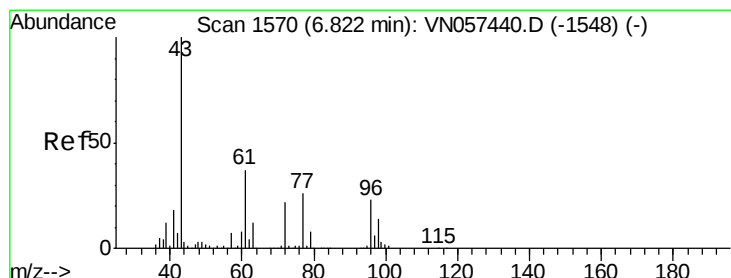
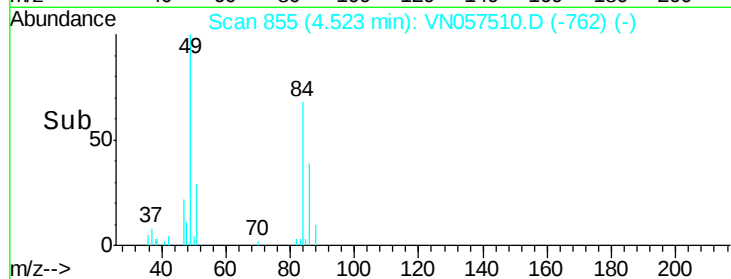
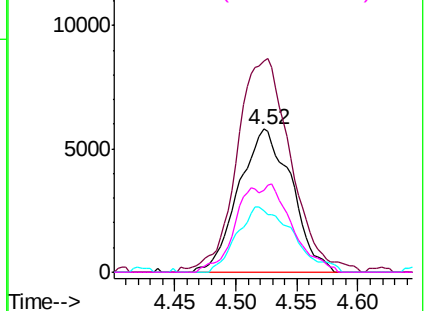


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#25

2-Butanone

Concen: 0.335 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057510.D

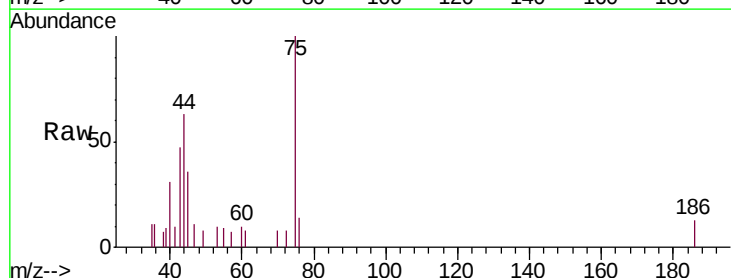
Acq: 26 Aug 2019 14:35

Tgt Ion: 43 Resp: 1153

Ion Ratio Lower Upper

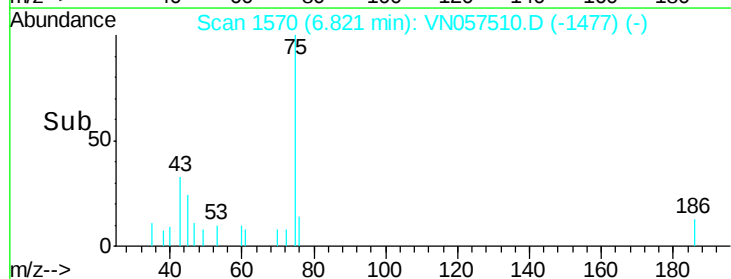
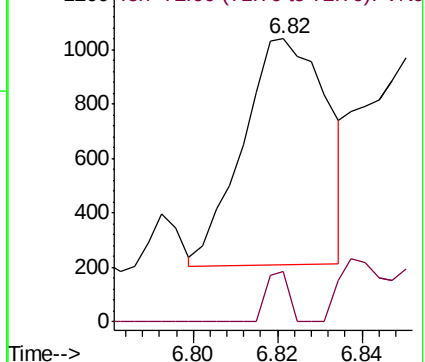
43 100

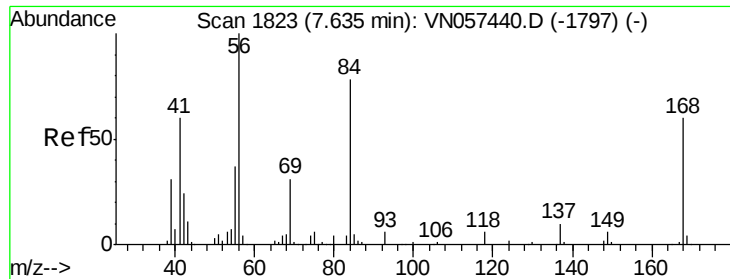
72 23.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

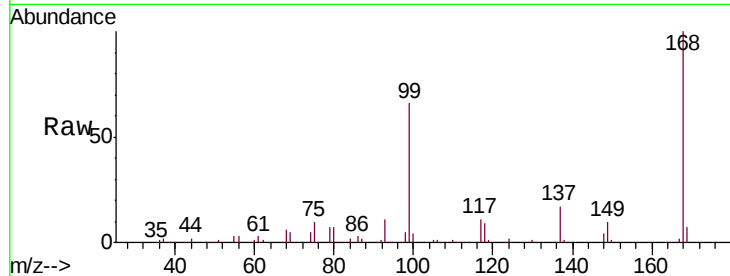




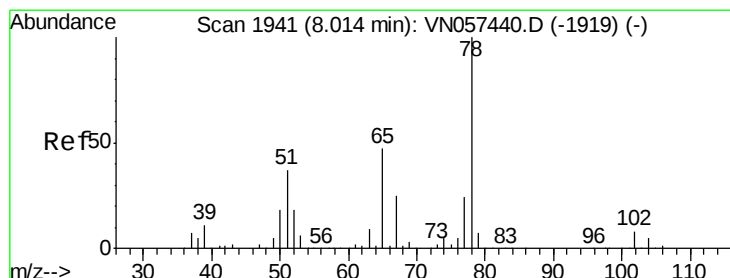
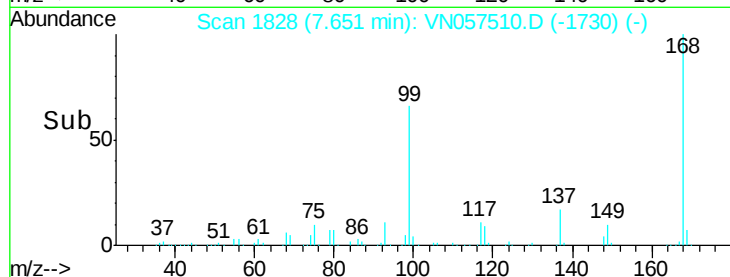
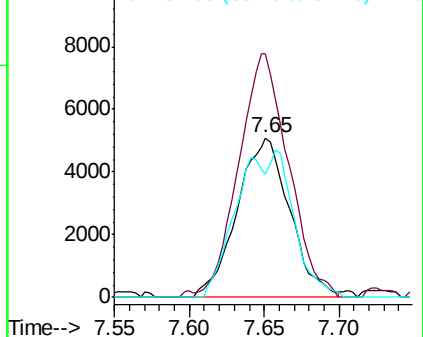
#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN057510.D
Acq: 26 Aug 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
T1-2-D-(2.5)

Tgt Ion: 56 Resp: 12434
Ion Ratio Lower Upper
56 100
69 152.8 25.0 37.6#
84 77.6 62.5 93.7

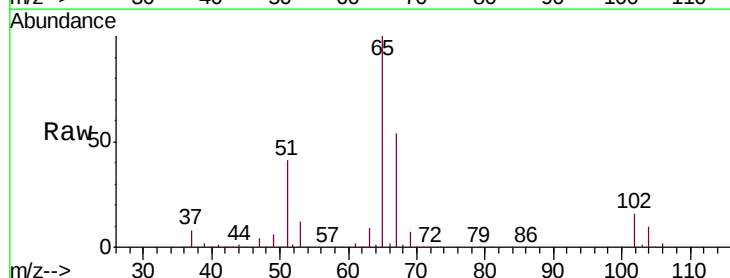


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

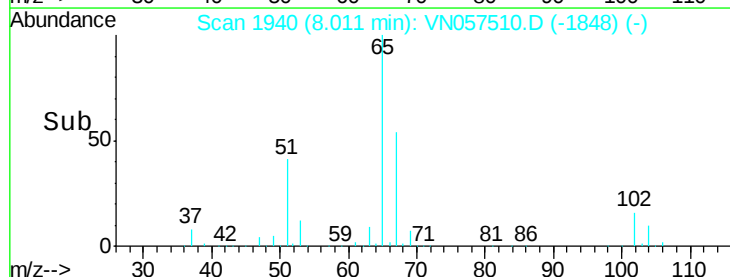
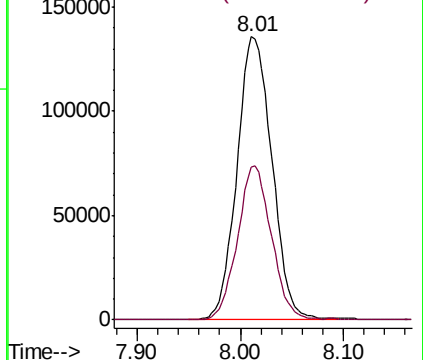


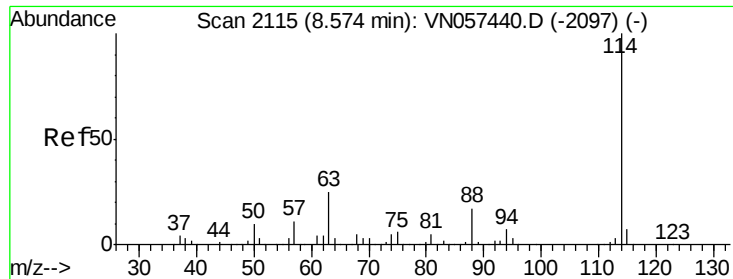
#33
1,2-Dichloroethane-d4
Concen: 46.476 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN057510.D
Acq: 26 Aug 2019 14:35

Tgt Ion: 65 Resp: 320580
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

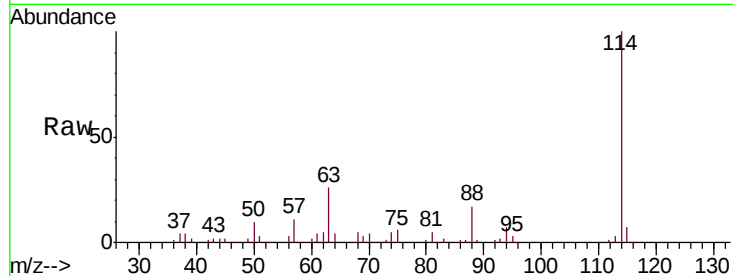




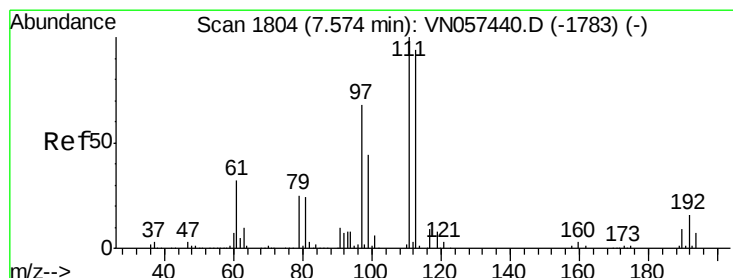
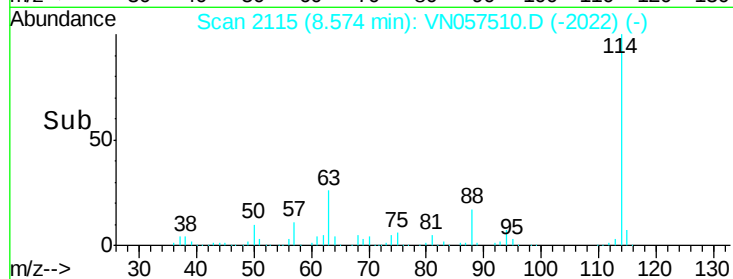
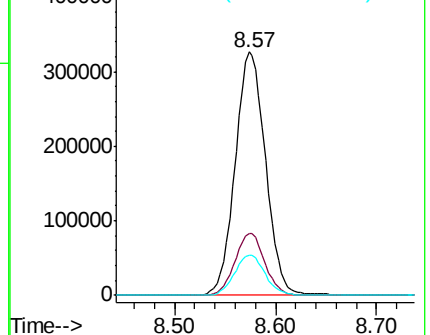
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-D-(2.5)

Tgt Ion:114 Resp: 681718
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 50.2
 88 16.5 0.0 34.6

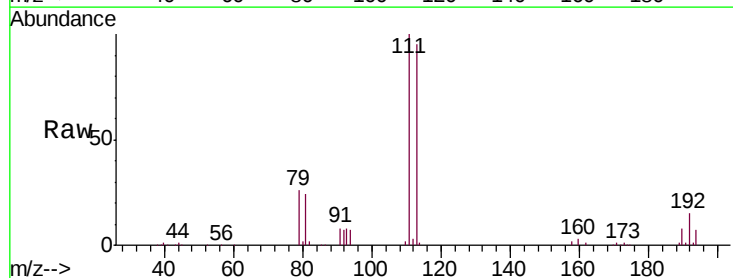


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

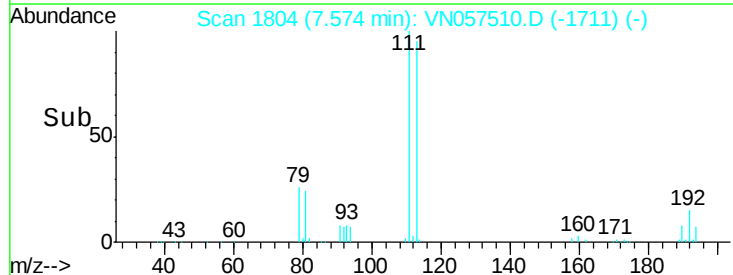
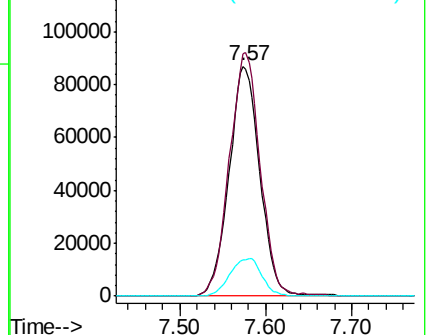


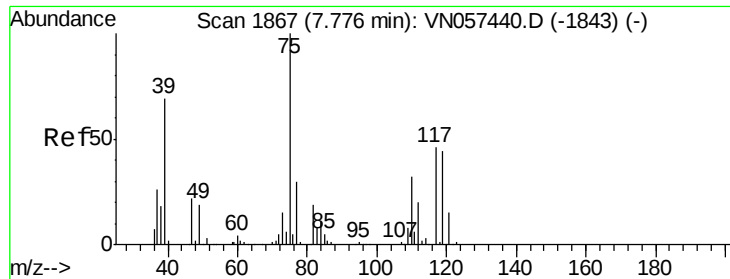
#35
 Dibromofluoromethane
 Concen: 46.900 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

Tgt Ion:113 Resp: 215962
 Ion Ratio Lower Upper
 113 100
 111 105.4 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

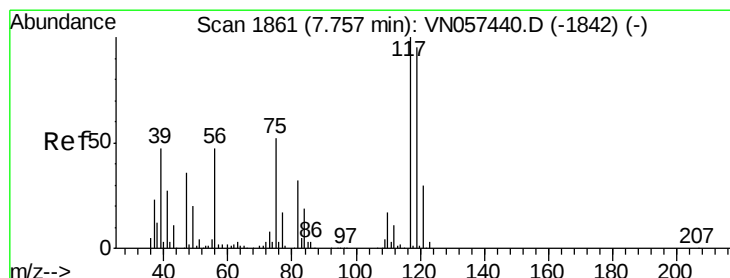
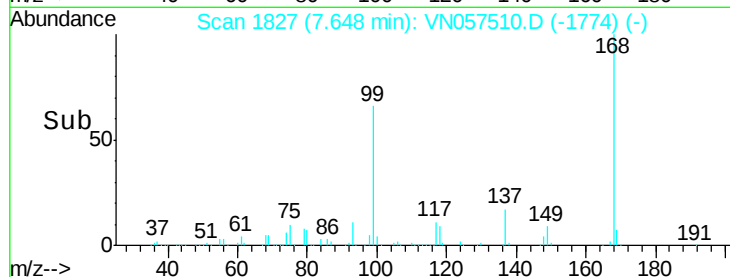
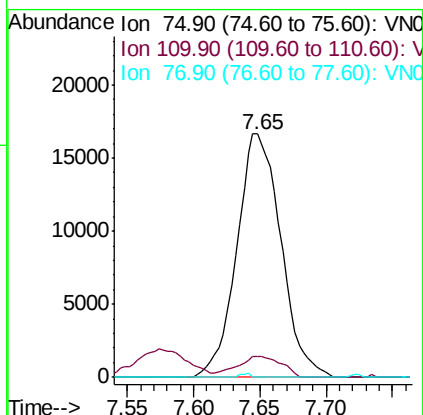
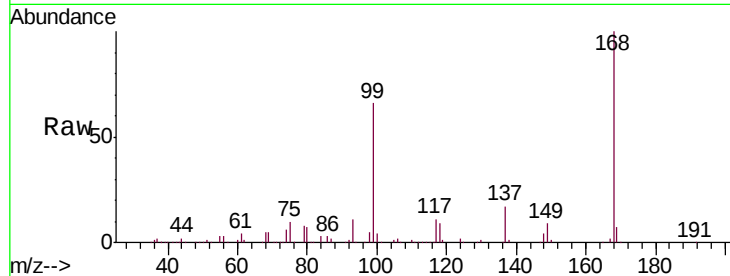




#36
 1,1-Dichloropropene
 Concen: 5.534 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

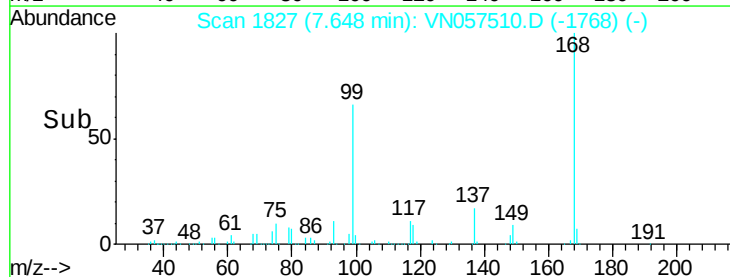
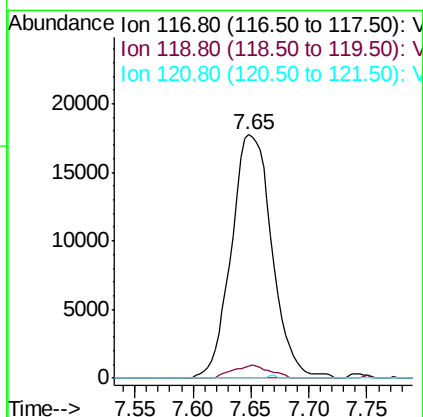
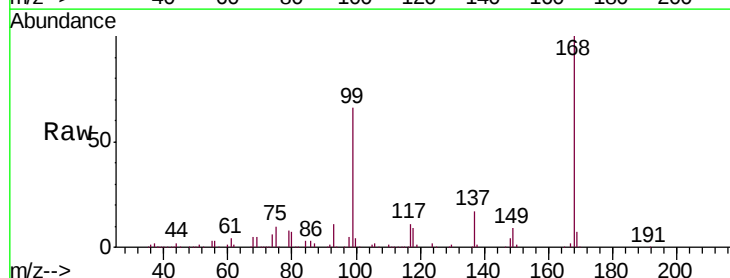
Instrument :
 MSVOA_N
 ClientSampled :
 T1-2-D-(2.5)

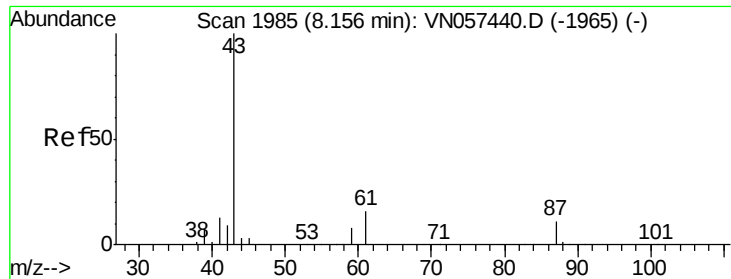
Tgt Ion: 75 Resp: 38546
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.1 48.3#
 77 0.3 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.222 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

Tgt Ion: 117 Resp: 43056
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.4#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 8.543 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

T1-2-D-(2.5)

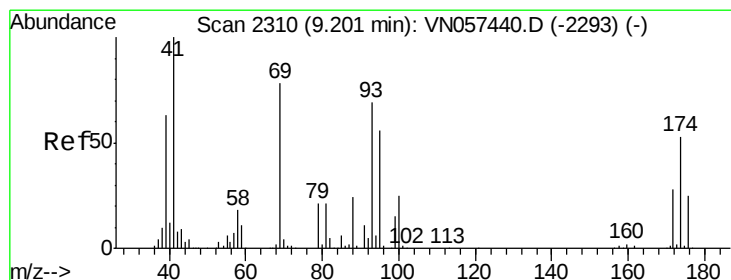
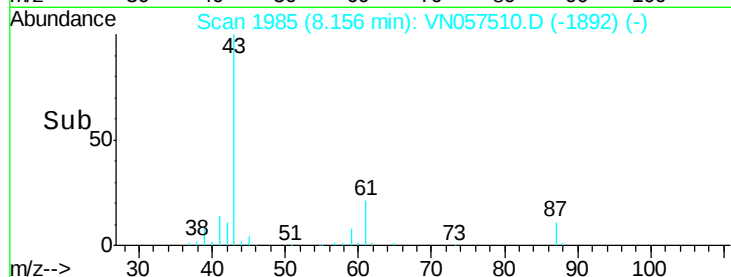
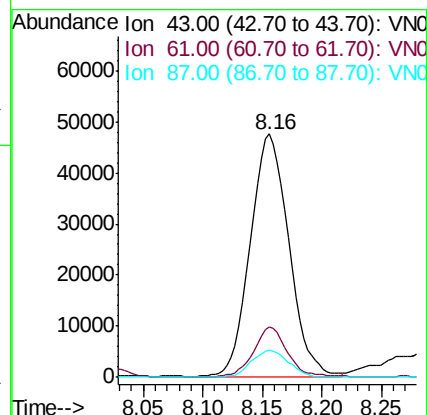
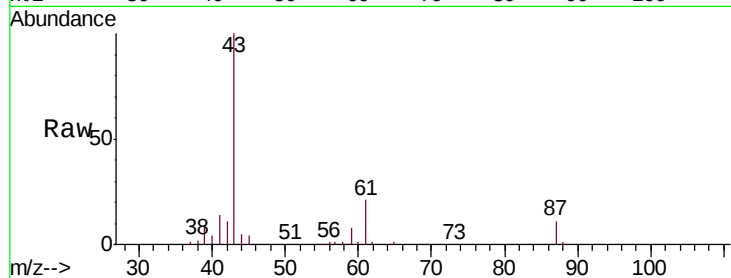
Tgt Ion: 43 Resp: 107825

Ion Ratio Lower Upper

43 100

61 18.5 14.5 21.7

87 10.5 8.6 12.8



#46

Dibromomethane

Concen: Below Cal

RT: 9.10 min Scan# 2279

Delta R.T. -0.10 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

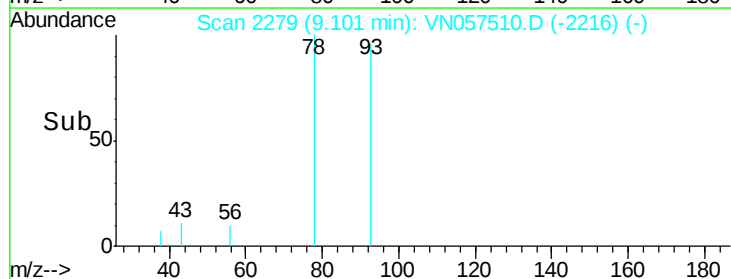
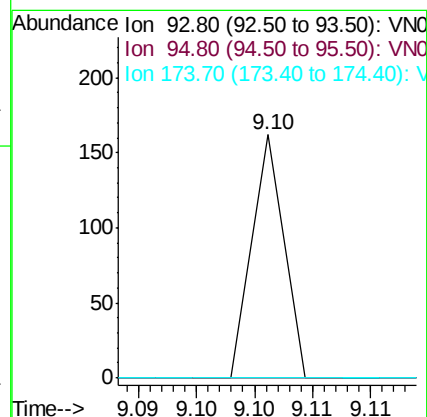
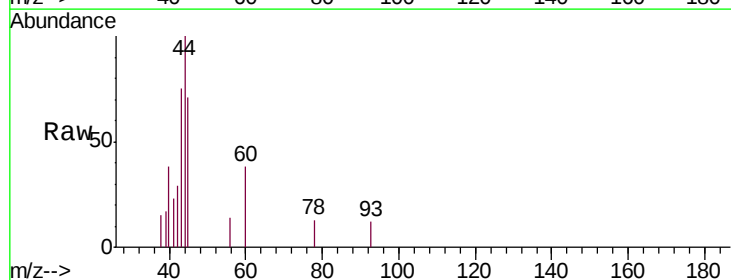
Tgt Ion: 93 Resp: 31

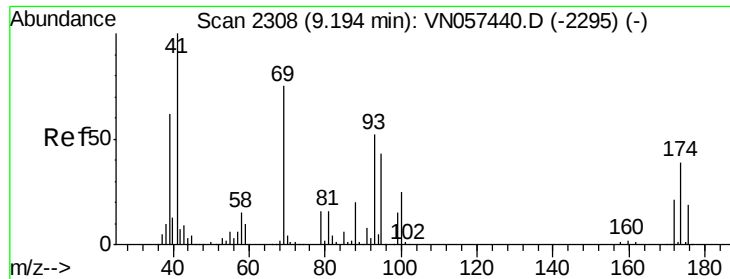
Ion Ratio Lower Upper

93 100

95 0.0 64.7 97.1#

174 0.0 62.3 93.5#

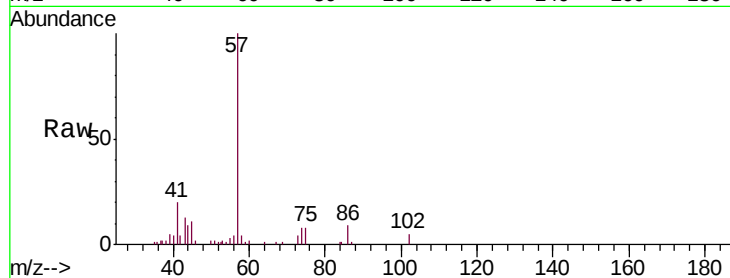




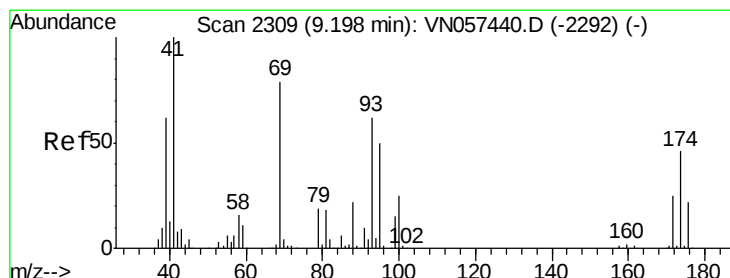
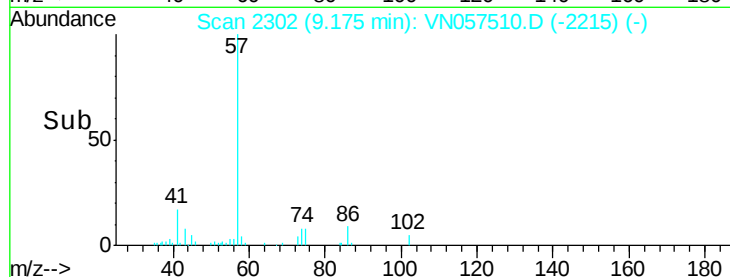
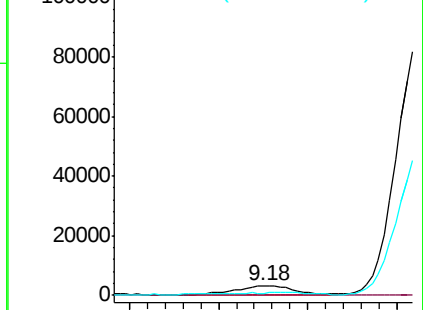
#48
Methyl methacrylate
Concen: 1.102 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN057510.D
Acq: 26 Aug 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
T1-2-D-(2.5)

Tgt Ion: 41 Resp: 6612
Ion Ratio Lower Upper
41 100
69 1.0 59.3 88.9#
39 0.0 50.6 75.8#

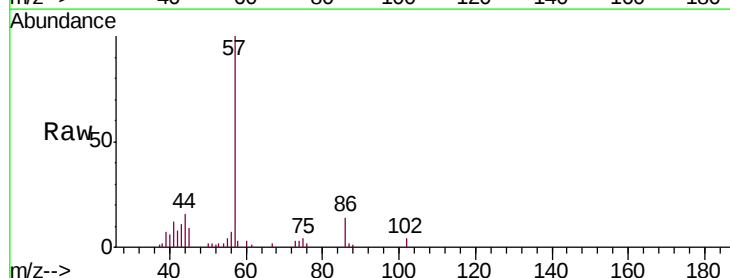


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

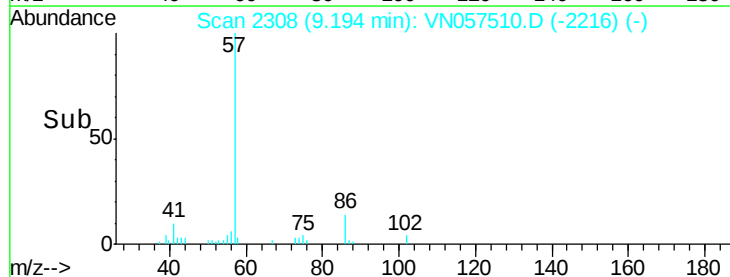
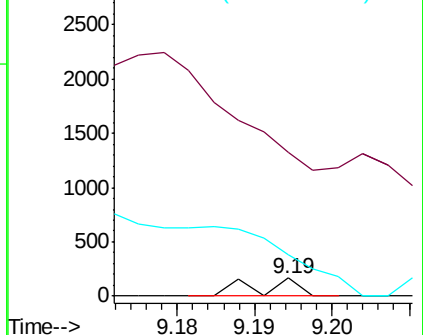


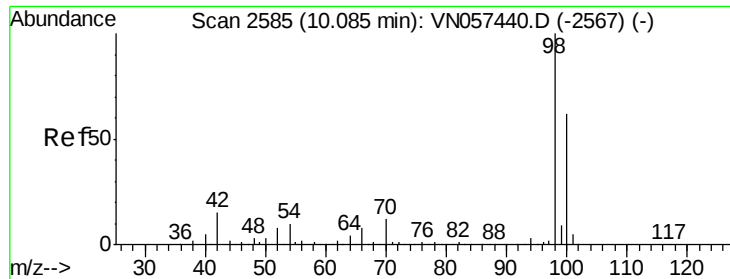
#49
1,4-Dioxane
Concen: 0.825 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057510.D
Acq: 26 Aug 2019 14:35

Tgt Ion: 88 Resp: 64
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): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 50.569 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

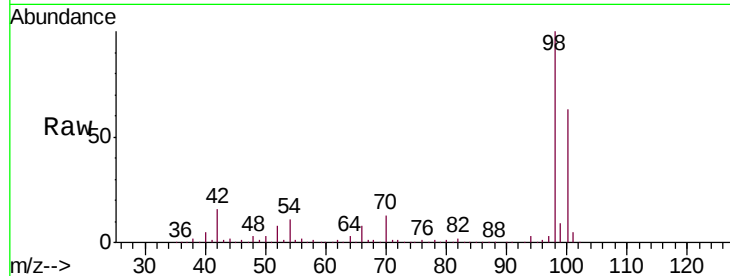
T1-2-D-(2.5)

Tgt Ion: 98 Resp: 880485

Ion Ratio Lower Upper

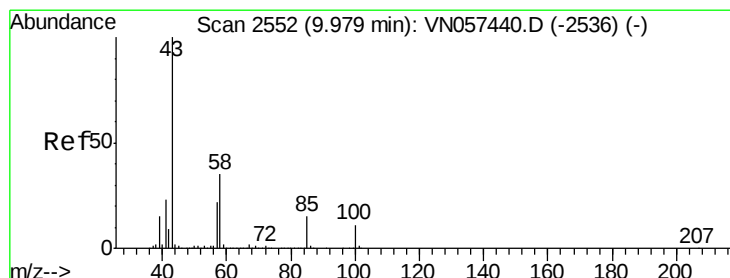
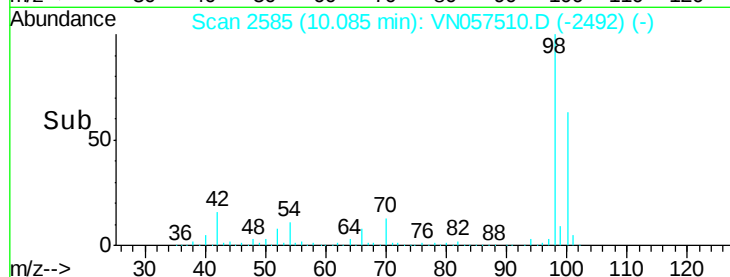
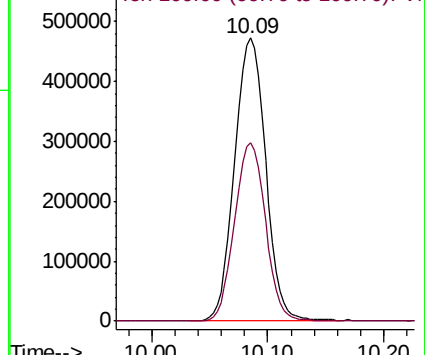
98 100

100 62.8 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.953 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057510.D

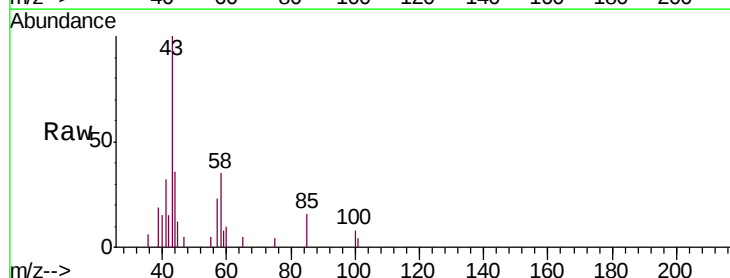
Acq: 26 Aug 2019 14:35

Tgt Ion: 43 Resp: 6703

Ion Ratio Lower Upper

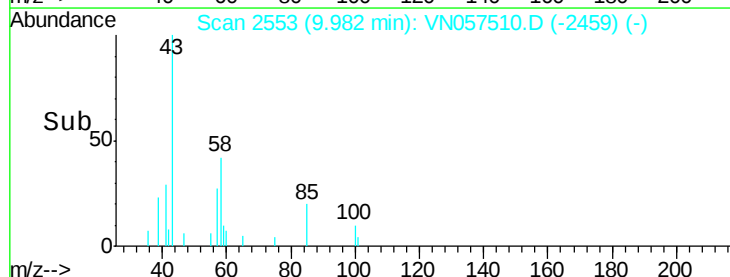
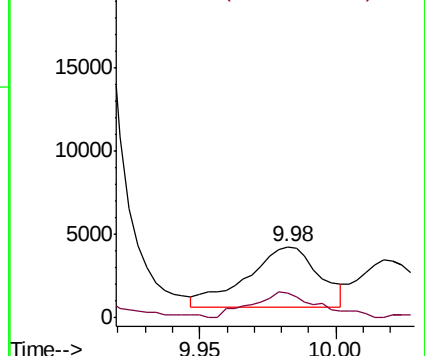
43 100

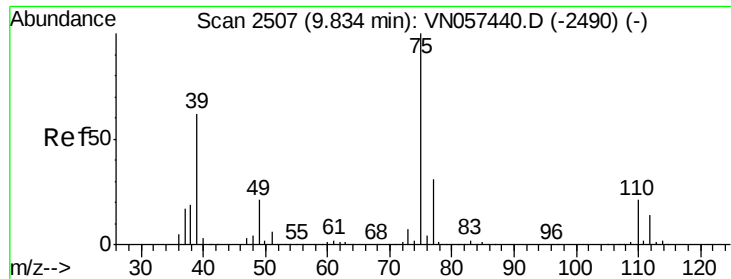
58 38.9 27.9 41.9



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: 4.574 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

T1-2-D-(2.5)

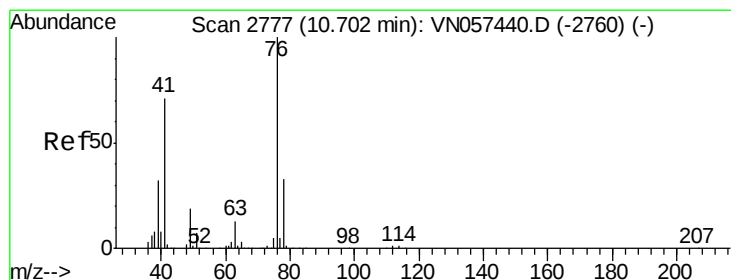
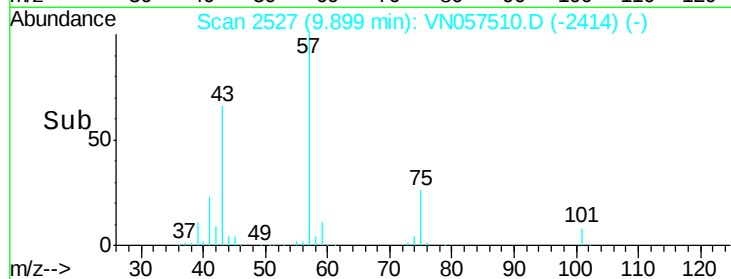
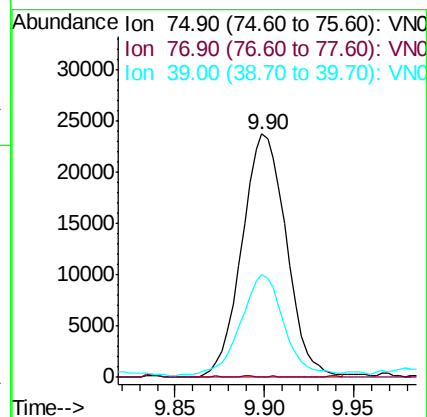
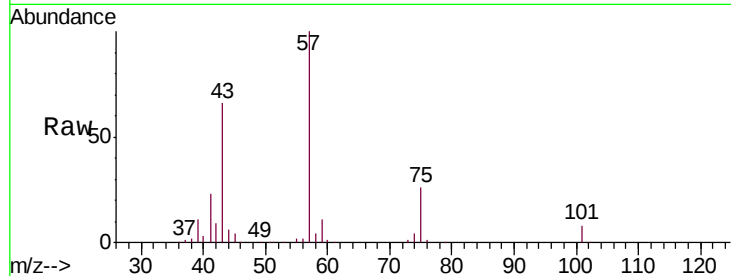
Tgt Ion: 75 Resp: 41442

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 41.1 49.2 73.8#



#57

1,3-Dichloropropane

Concen: 0.794 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057510.D

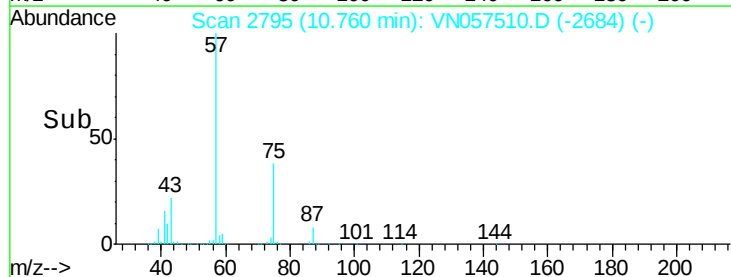
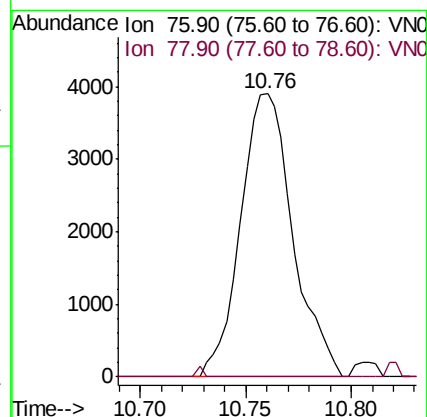
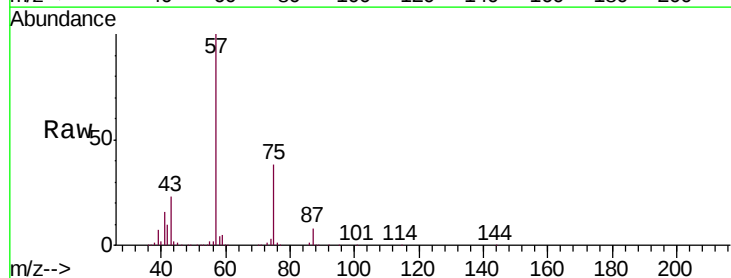
Acq: 26 Aug 2019 14:35

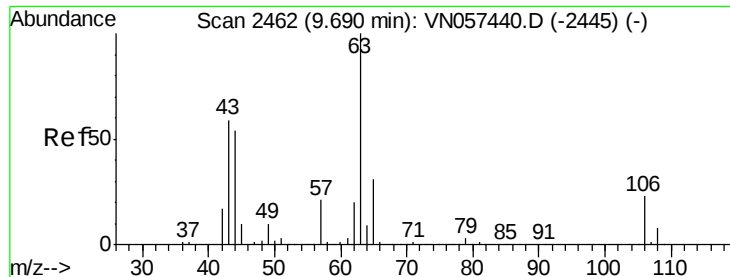
Tgt Ion: 76 Resp: 6734

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

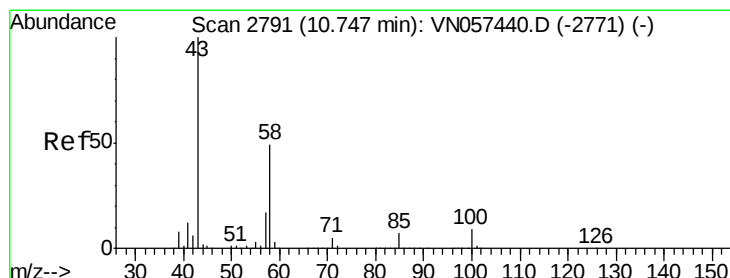
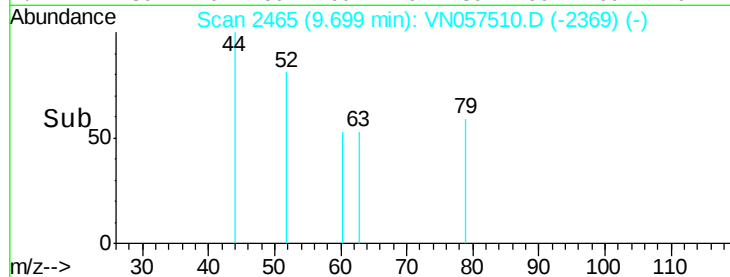
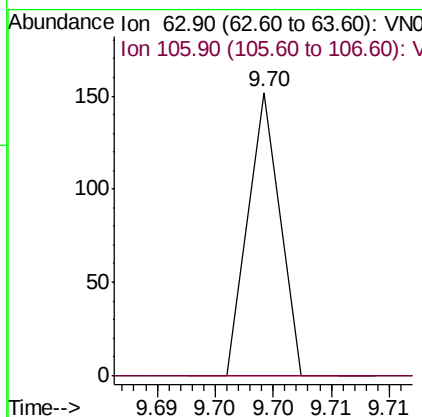
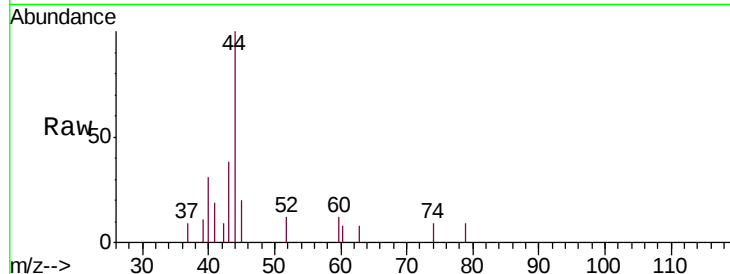




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.077 ug/l
 RT: 9.70 min Scan# 2465
 Delta R.T. 0.01 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

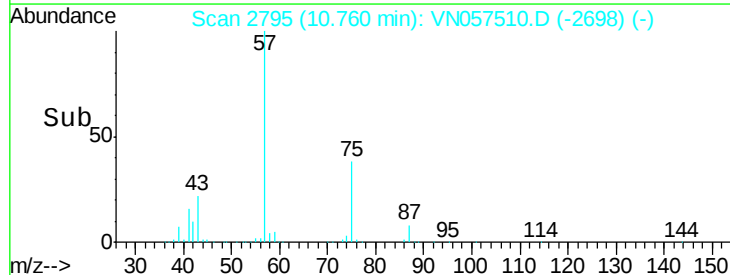
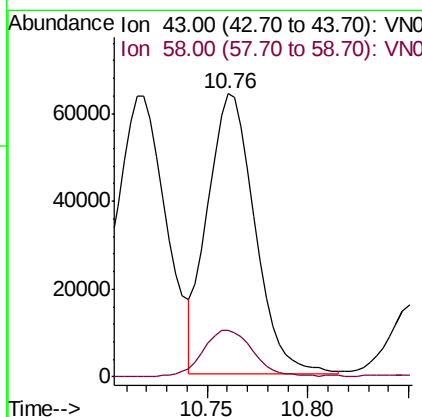
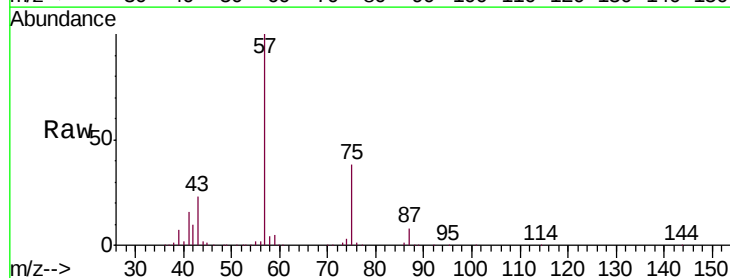
Instrument :
 MSVOA_N
 ClientSampled :
 T1-2-D-(2.5)

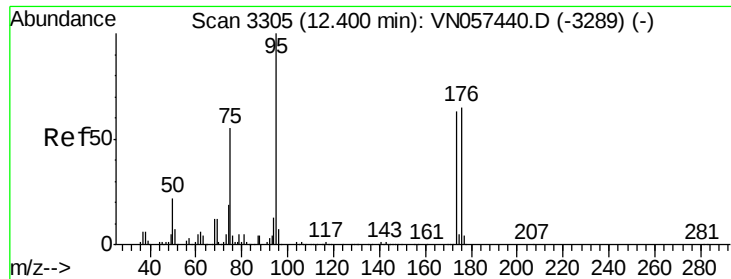
Tgt Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#



#59
 2-Hexanone
 Concen: 21.486 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

Tgt Ion: 43 Resp: 103657
 Ion Ratio Lower Upper
 43 100
 58 17.7 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 42.125 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

T1-2-D-(2.5)

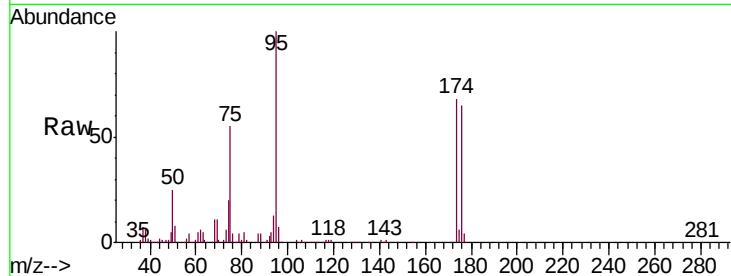
Tgt Ion: 95 Resp: 248558

Ion Ratio Lower Upper

95 100

174 65.3 0.0 133.0

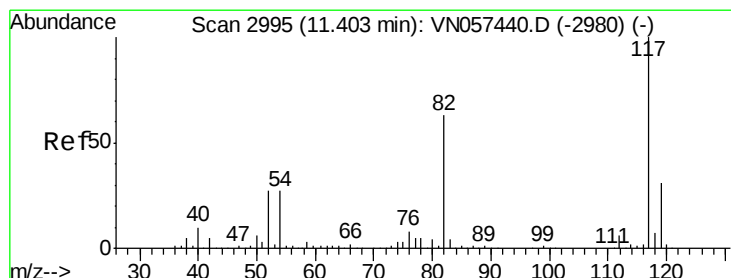
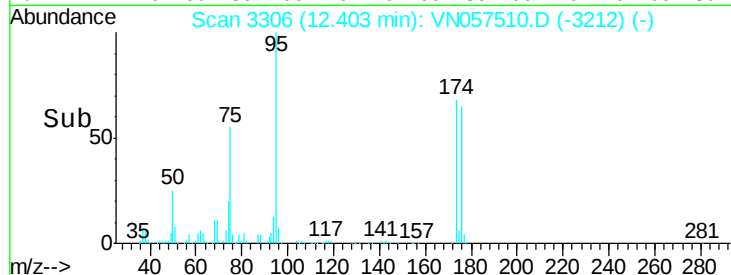
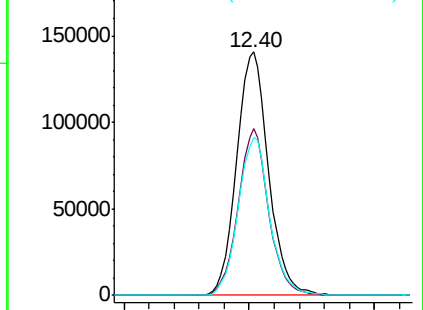
176 64.2 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN057510.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN057510.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN057510.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

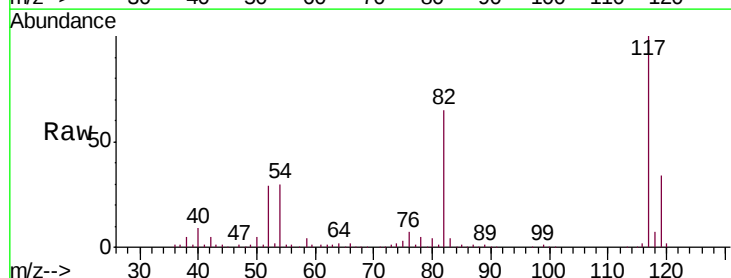
Tgt Ion: 117 Resp: 580003

Ion Ratio Lower Upper

117 100

82 65.1 50.6 75.8

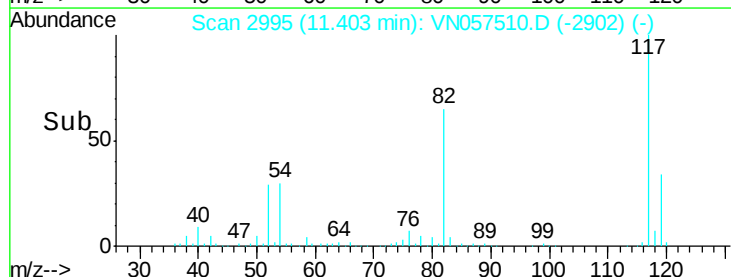
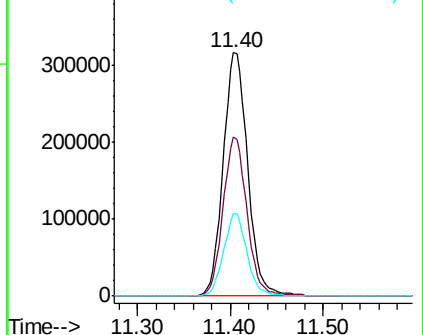
119 33.8 24.6 36.8

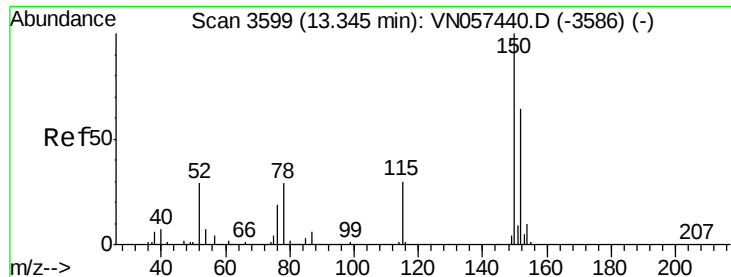


Abundance Ion 116.90 (116.60 to 117.60): VN057510.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN057510.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN057510.D (-2902) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

T1-2-D-(2.5)

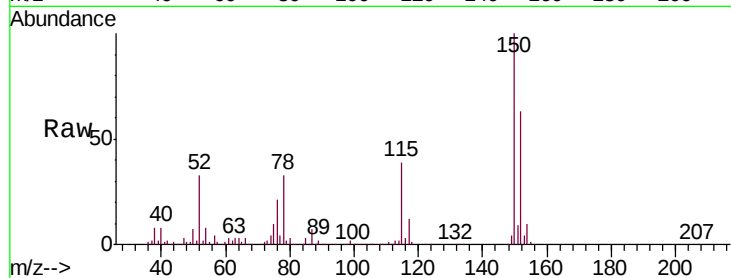
Tgt Ion:152 Resp: 144813

Ion Ratio Lower Upper

152 100

115 61.4 32.0 96.0

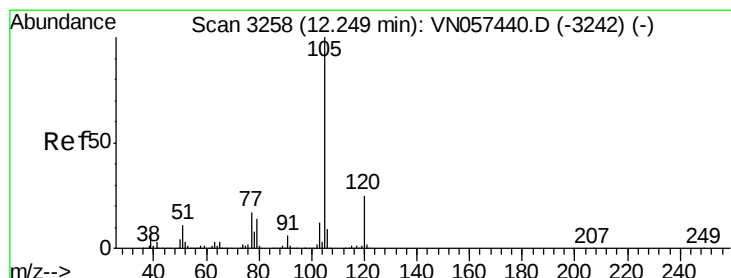
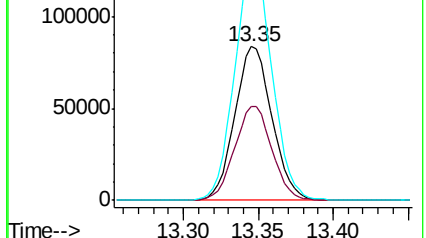
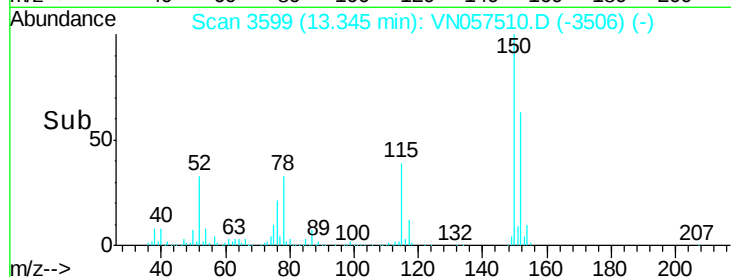
150 156.4 0.0 346.6



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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN057510.D

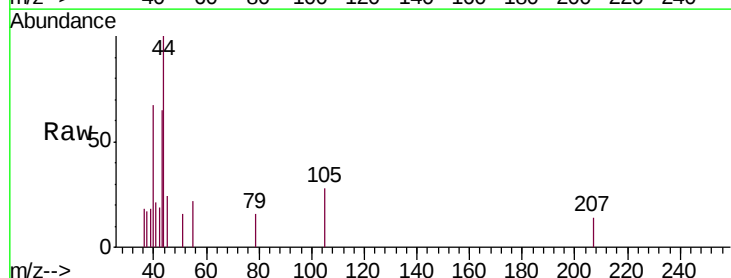
Acq: 26 Aug 2019 14:35

Tgt Ion:105 Resp: 197

Ion Ratio Lower Upper

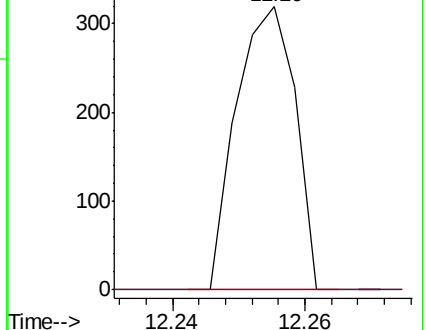
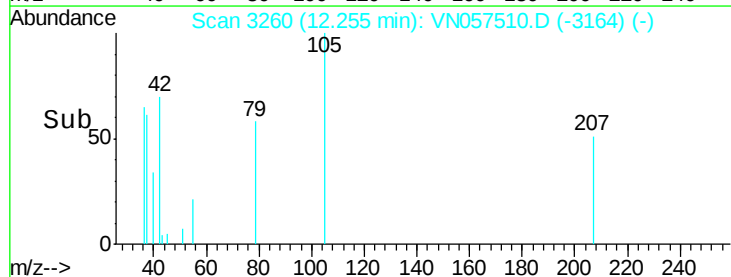
105 100

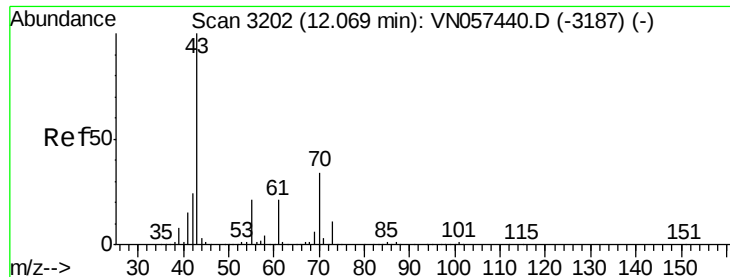
120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amy1 acetate

Concen: Below Cal

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

T1-2-D-(2.5)

Tgt Ion: 43 Resp: 5244

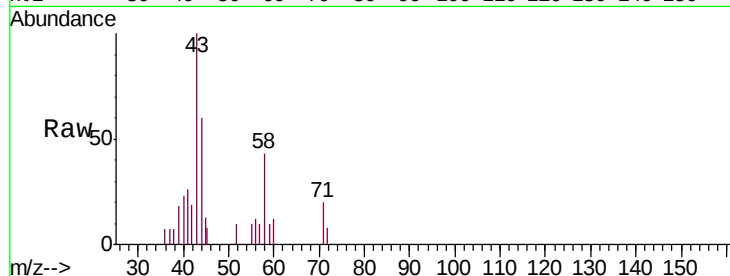
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 5.2 17.0 25.4#

61 0.0 17.0 25.6#

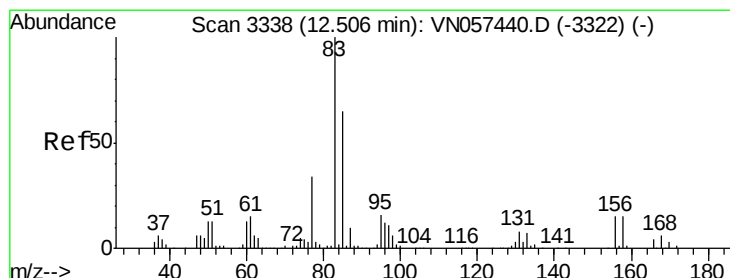
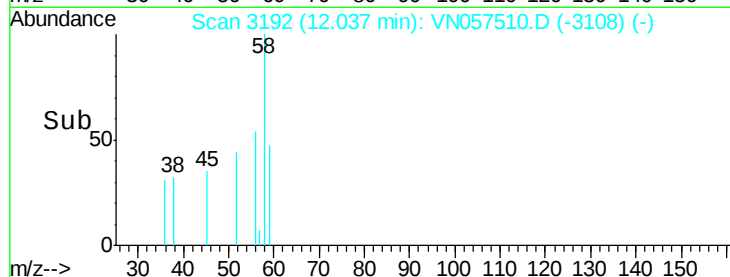
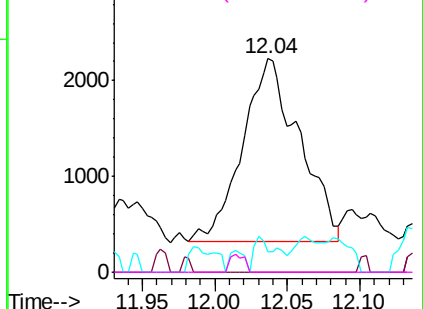


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.45 min Scan# 3321

Delta R.T. -0.05 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

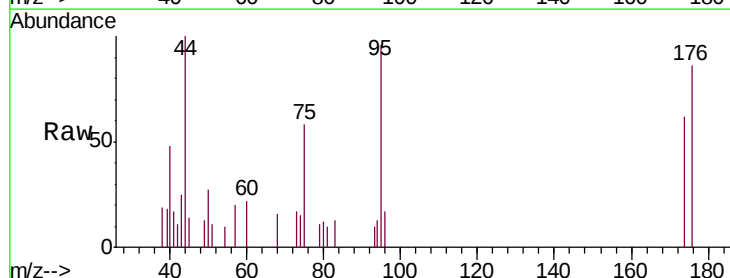
Tgt Ion: 83 Resp: 146

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

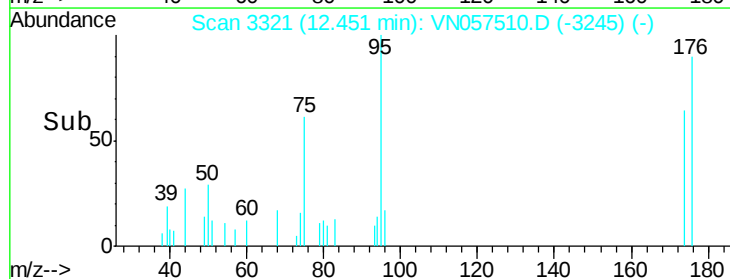
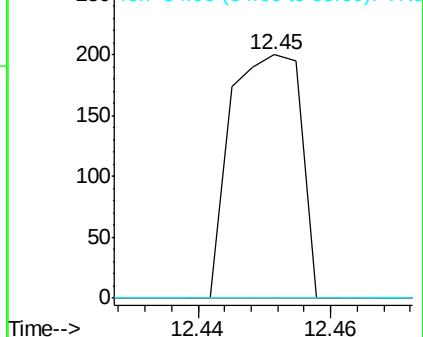
85 0.0 32.3 96.8#

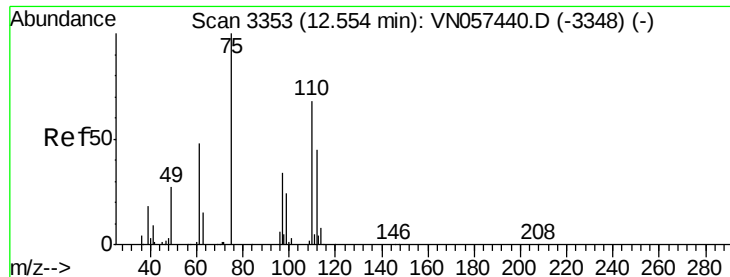


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 44.035 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

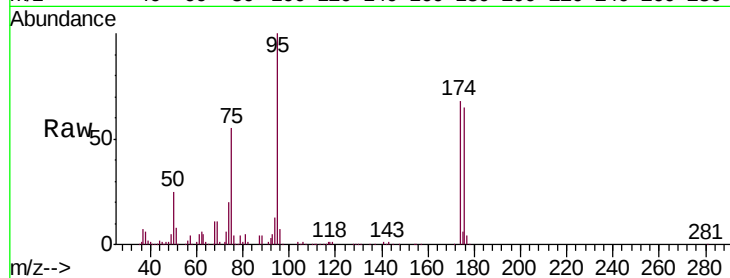
T1-2-D-(2.5)

Tgt Ion: 75 Resp: 142575

Ion Ratio Lower Upper

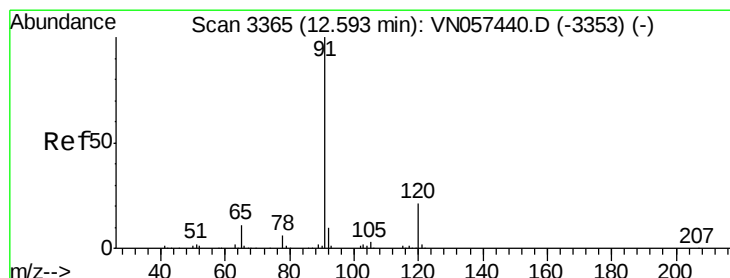
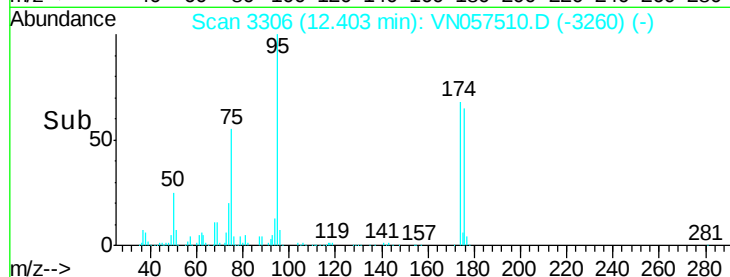
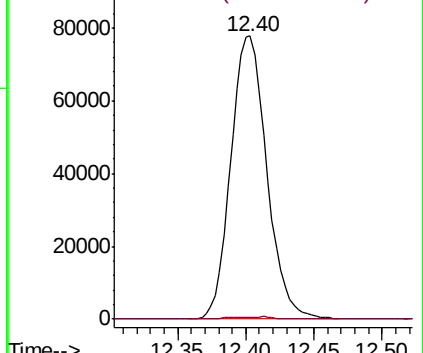
75 100

77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: Below Cal

RT: 12.61 min Scan# 3369

Delta R.T. 0.01 min

Lab File: VN057510.D

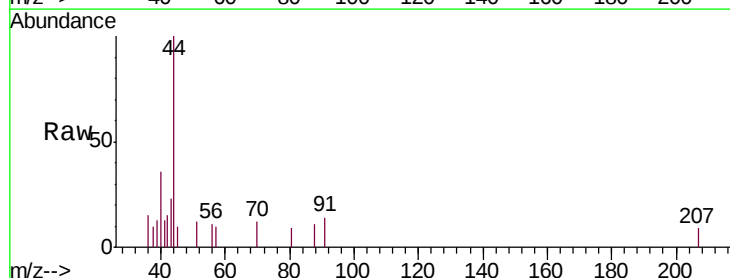
Acq: 26 Aug 2019 14:35

Tgt Ion: 91 Resp: 124

Ion Ratio Lower Upper

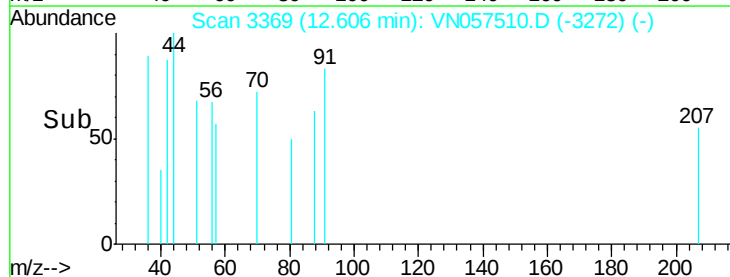
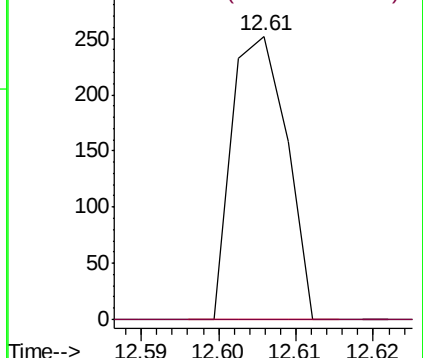
91 100

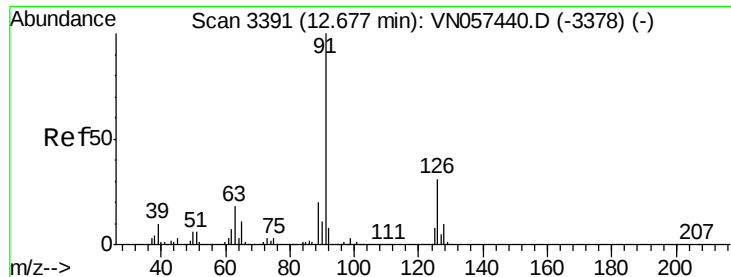
120 0.0 10.7 32.1#



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: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

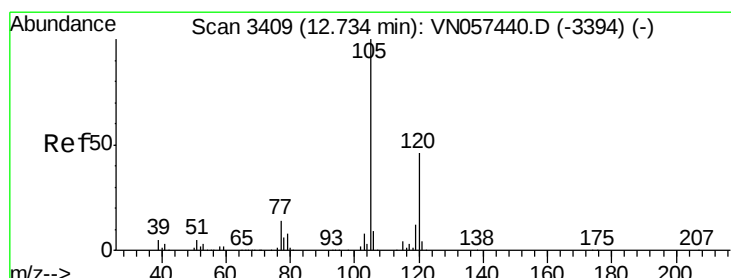
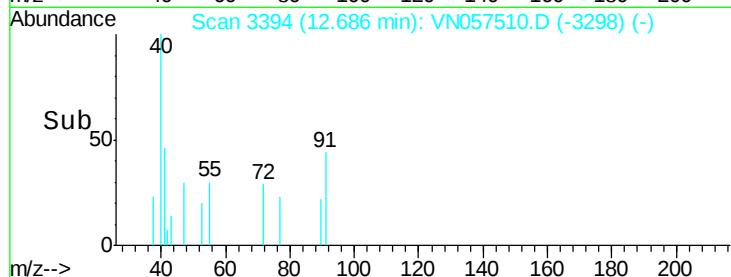
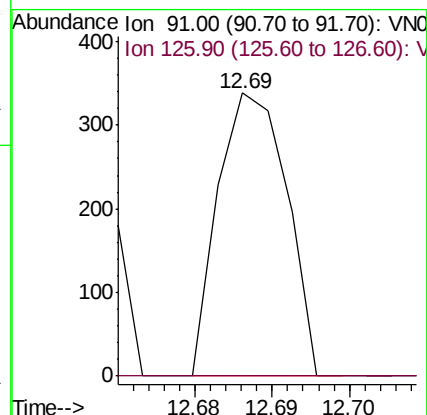
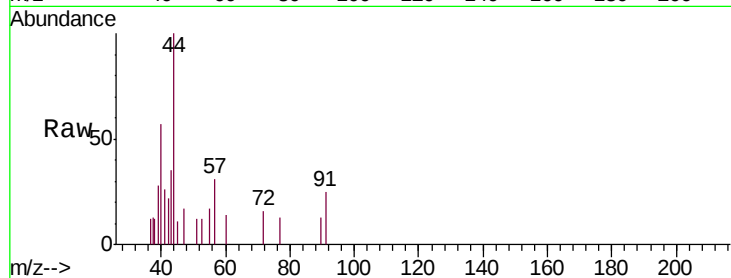
T1-2-D-(2.5)

Tgt Ion: 91 Resp: 208

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN057510.D

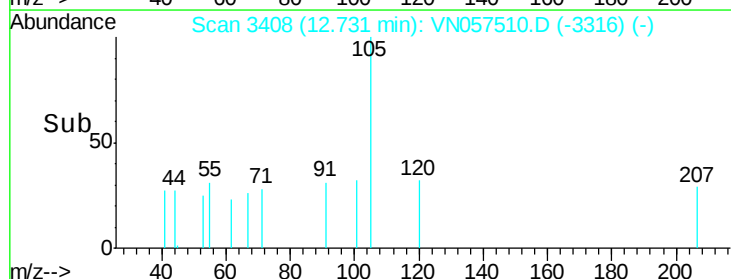
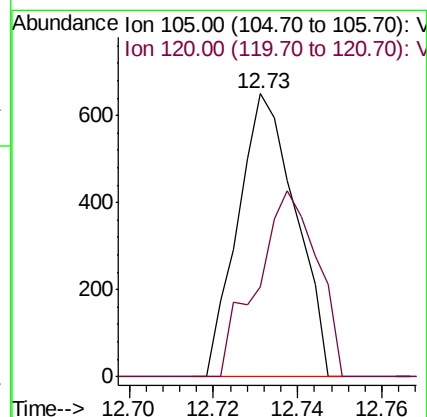
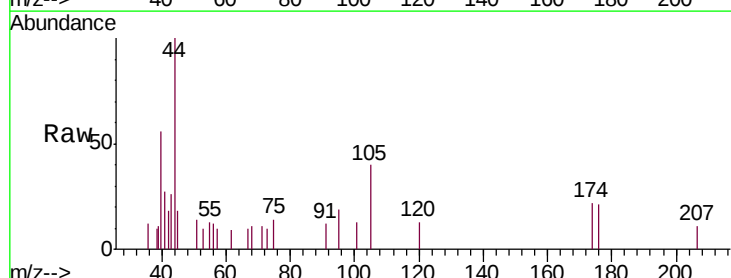
Acq: 26 Aug 2019 14:35

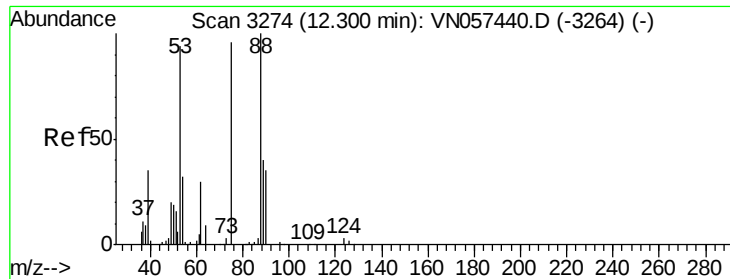
Tgt Ion: 105 Resp: 619

Ion Ratio Lower Upper

105 100

120 68.2 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 113.016 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

T1-2-D-(2.5)

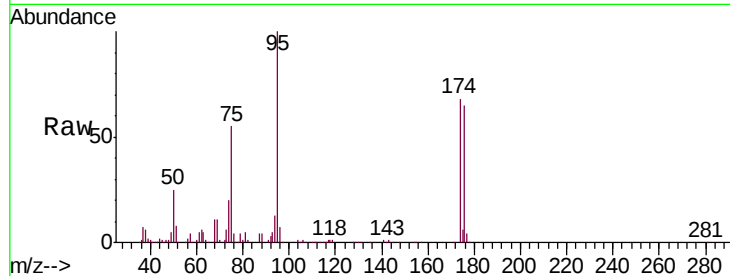
Tgt Ion: 75 Resp: 142575

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

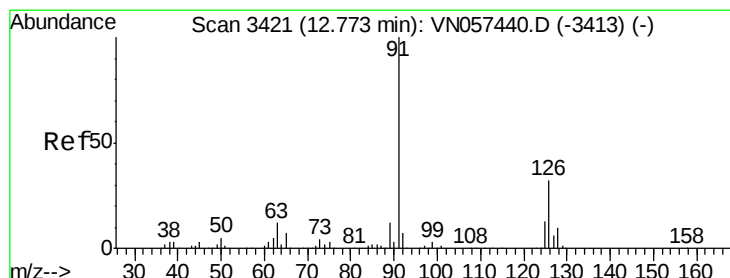
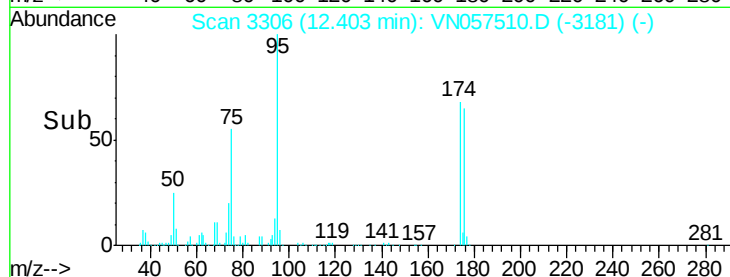
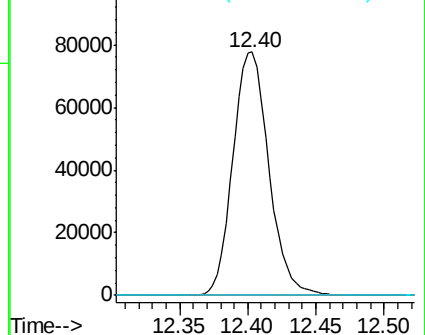
89 0.0 35.8 53.8#



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: 12.79 min Scan# 3426

Delta R.T. 0.02 min

Lab File: VN057510.D

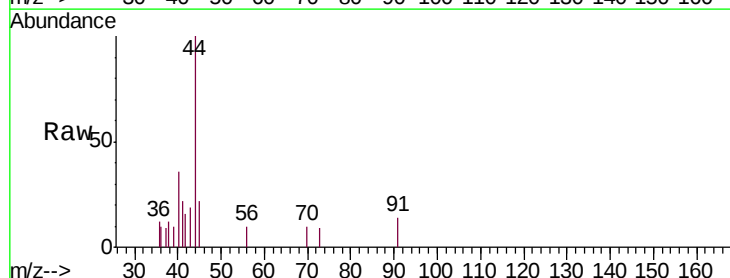
Acq: 26 Aug 2019 14:35

Tgt Ion: 91 Resp: 240

Ion Ratio Lower Upper

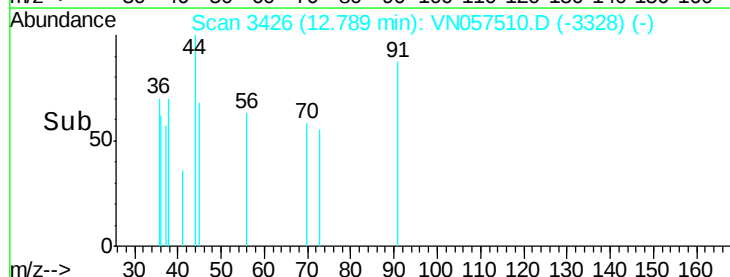
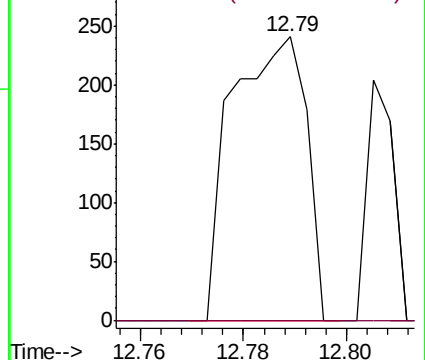
91 100

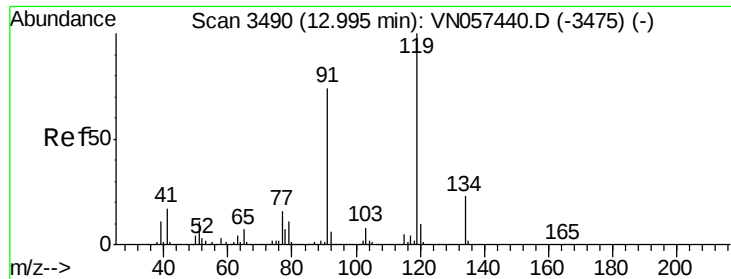
126 0.0 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

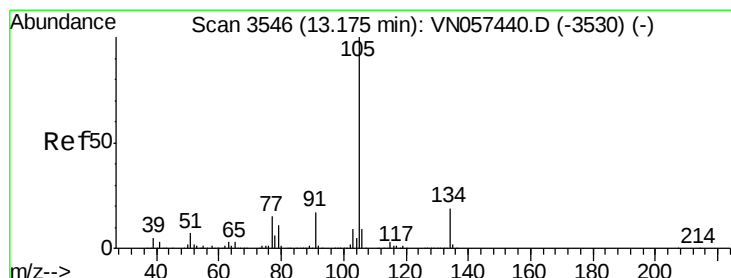
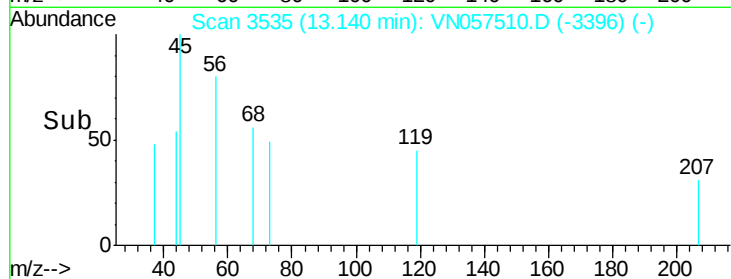
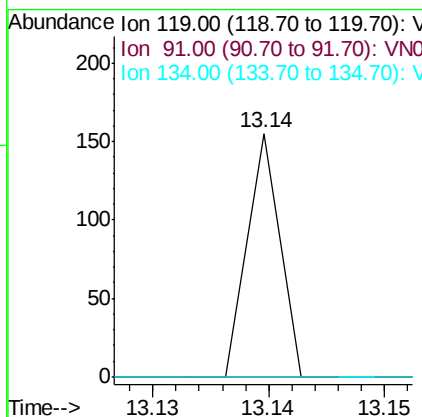
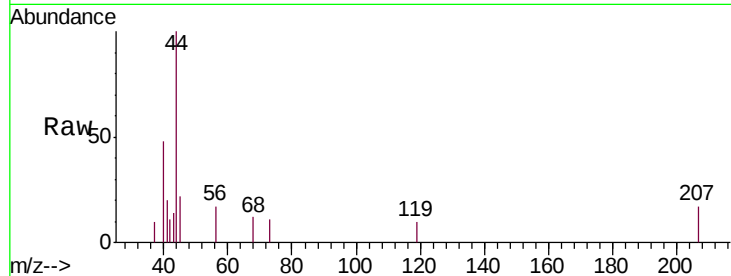




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.14 min Scan# 3535
 Delta R.T. 0.15 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

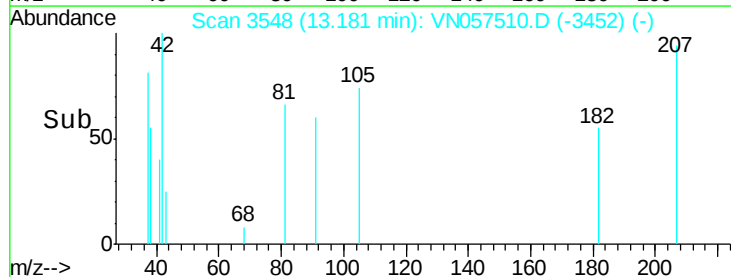
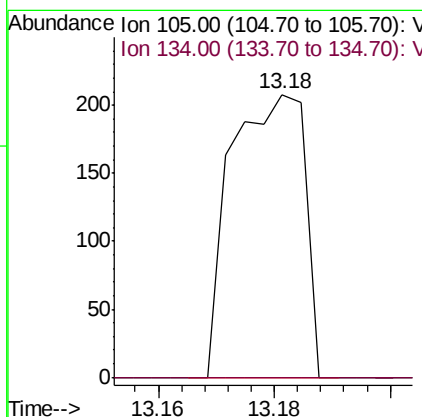
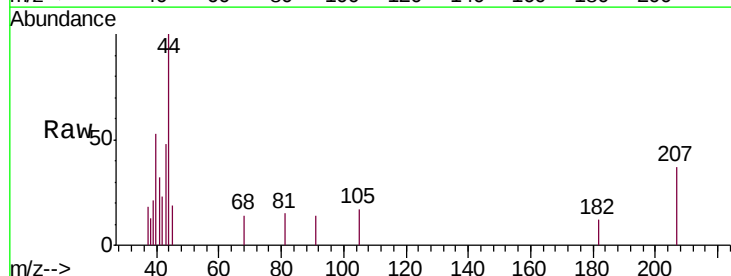
Instrument :
 MSVOA_N
 ClientSampled :
 T1-2-D-(2.5)

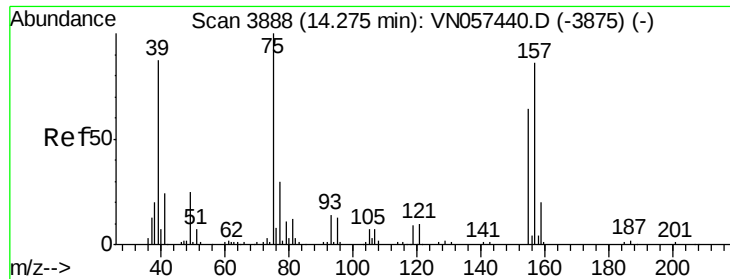
Tgt Ion:119 Resp: 30
 Ion Ratio Lower Upper
 119 100
 91 0.0 37.0 111.0#
 134 0.0 12.2 36.6#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.18 min Scan# 3548
 Delta R.T. 0.01 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

Tgt Ion:105 Resp: 183
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 27.9#

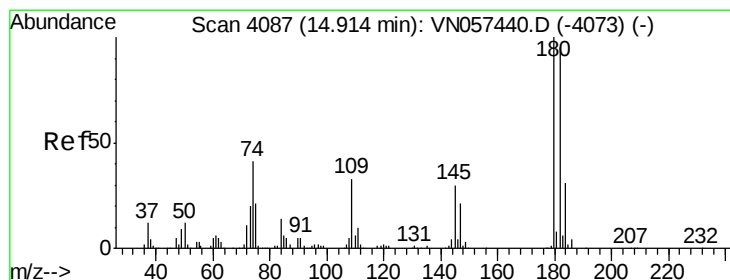
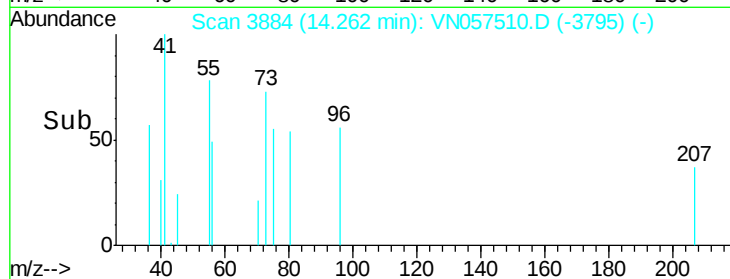
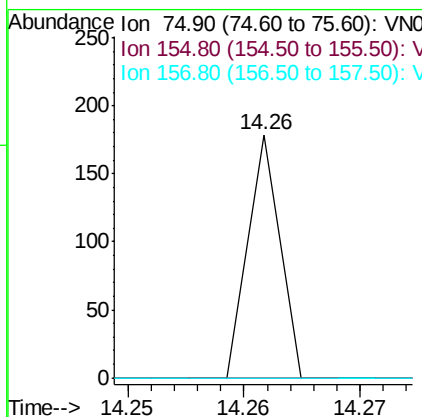
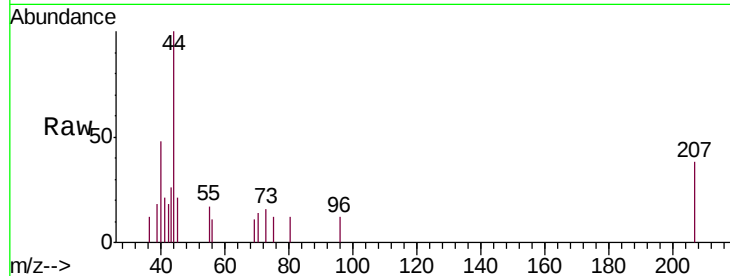




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.01 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

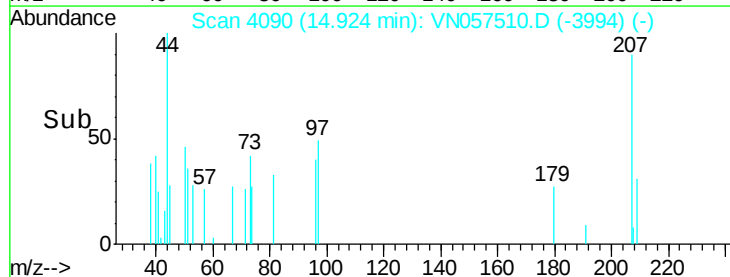
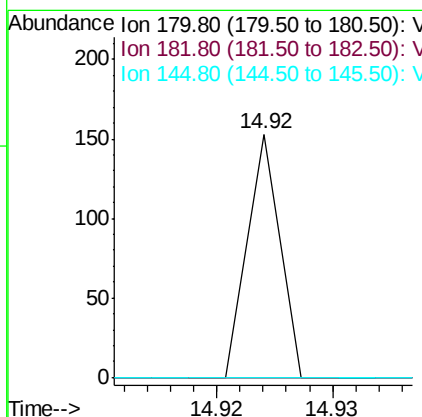
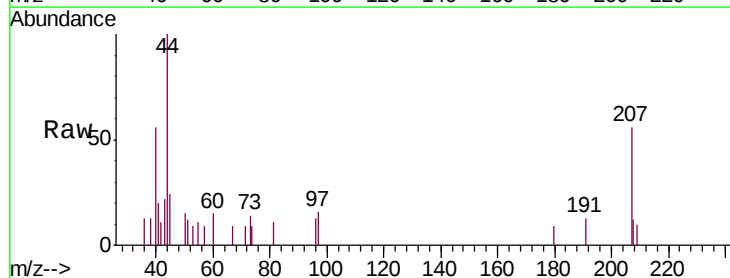
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-D-(2.5)

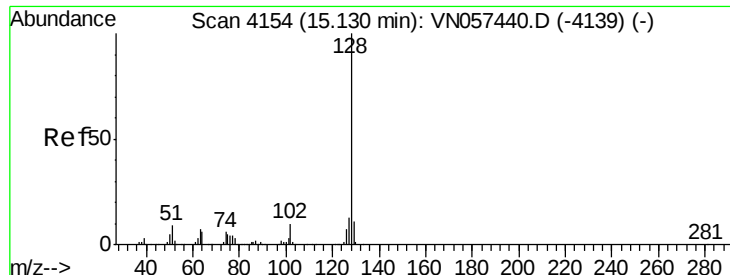
Tgt Ion: 75 Resp: 35
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.6 94.7#
 157 0.0 43.3 129.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.387 ug/l
 RT: 14.92 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN057510.D
 Acq: 26 Aug 2019 14:35

Tgt Ion: 180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.1#
 145 0.0 15.6 46.8#





#95

Naphthalene

Concen: 4.425 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057510.D

Acq: 26 Aug 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

T1-2-D-(2.5)

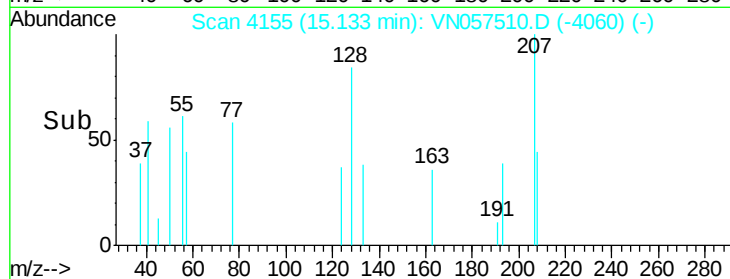
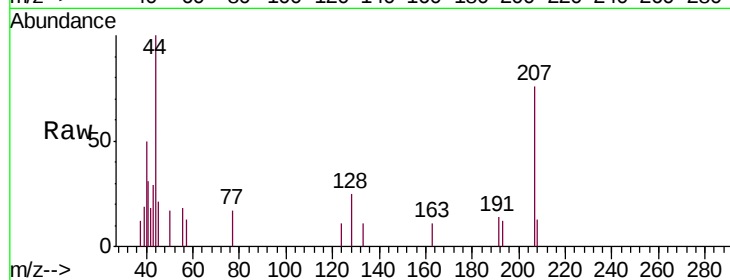
Tgt Ion:128 Resp: 540

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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-->

15.10 15.15

15.13

400

300

200

100

0