

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057531.D
 Acq On : 27 Aug 2019 00:11
 Operator : JC/SP
 Sample : K4493-36
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-K4-(0)

Quant Time: Aug 27 07:20:36 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	366199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	666334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	560264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	138371	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	322238	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.04%		
35) Dibromofluoromethane	7.57	113	211698	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.08%		
50) Toluene-d8	10.09	98	858793	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.92%		
62) 4-Bromofluorobenzene	12.40	95	236962	41.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	82.18%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	2284	Below Cal		52
9) 1,1,2-Trichlorotrifluoroet	3.47	101	30	Below Cal	#	1
13) Acrolein	3.59	56	215	0.305	ug/l #	62
16) Acetone	3.80	43	4092	1.383	ug/l #	68
18) Methyl Acetate	4.31	43	21672	2.488	ug/l	96
20) Methylene Chloride	4.53	84	10539	2.331	ug/l	91
31) Cyclohexane	7.65	56	12184	1.346	ug/l #	37
36) 1,1-Dichloropropene	7.65	75	36673	5.386	ug/l #	48
38) Carbon Tetrachloride	7.65	117	40979	6.058	ug/l #	15
41) Methacrylonitrile	7.15	41	686	0.214	ug/l #	49
43) Isopropyl Acetate	8.16	43	93269	7.561	ug/l	99
46) Dibromomethane	9.21	93	59	Below Cal	#	44
48) Methyl methacrylate	9.17	41	4249	0.724	ug/l #	15
49) 1,4-Dioxane	9.19	88	69	0.910	ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	4649	0.676	ug/l #	65
54) cis-1,3-Dichloropropene	9.90	75	36415	4.112	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	5024	0.606	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.67	63	69	17.095	ug/l #	52
59) 2-Hexanone	10.76	43	80965	17.170	ug/l #	56
71) Bromoform	12.40	173	1615	0.550	ug/l #	1
73) Isopropylbenzene	12.24	105	32	Below Cal	#	50
74) N-amyl acetate	12.03	43	3294	Below Cal	#	50
75) 1,1,2,2-Tetrachloroethane	12.54	83	77	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	136117	43.994	ug/l #	100
78) n-propylbenzene	12.59	91	185	Below Cal	#	55
79) 2-Chlorotoluene	12.74	91	120	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.73	105	402	Below Cal	#	52
81) trans-1,4-Dichloro-2-buten	12.40	75	136117	112.917	ug/l #	9
82) 4-Chlorotoluene	12.78	91	202	Below Cal	#	45
83) tert-Butylbenzene	13.21	119	64	Below Cal	#	22
85) sec-Butylbenzene	13.18	105	97	Below Cal	#	58
92) 1,2-Dibromo-3-Chloropropan	14.44	75	109	Below Cal	#	11
95) Naphthalene	15.12	128	352	4.398	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	29	5.130	ug/l #	13

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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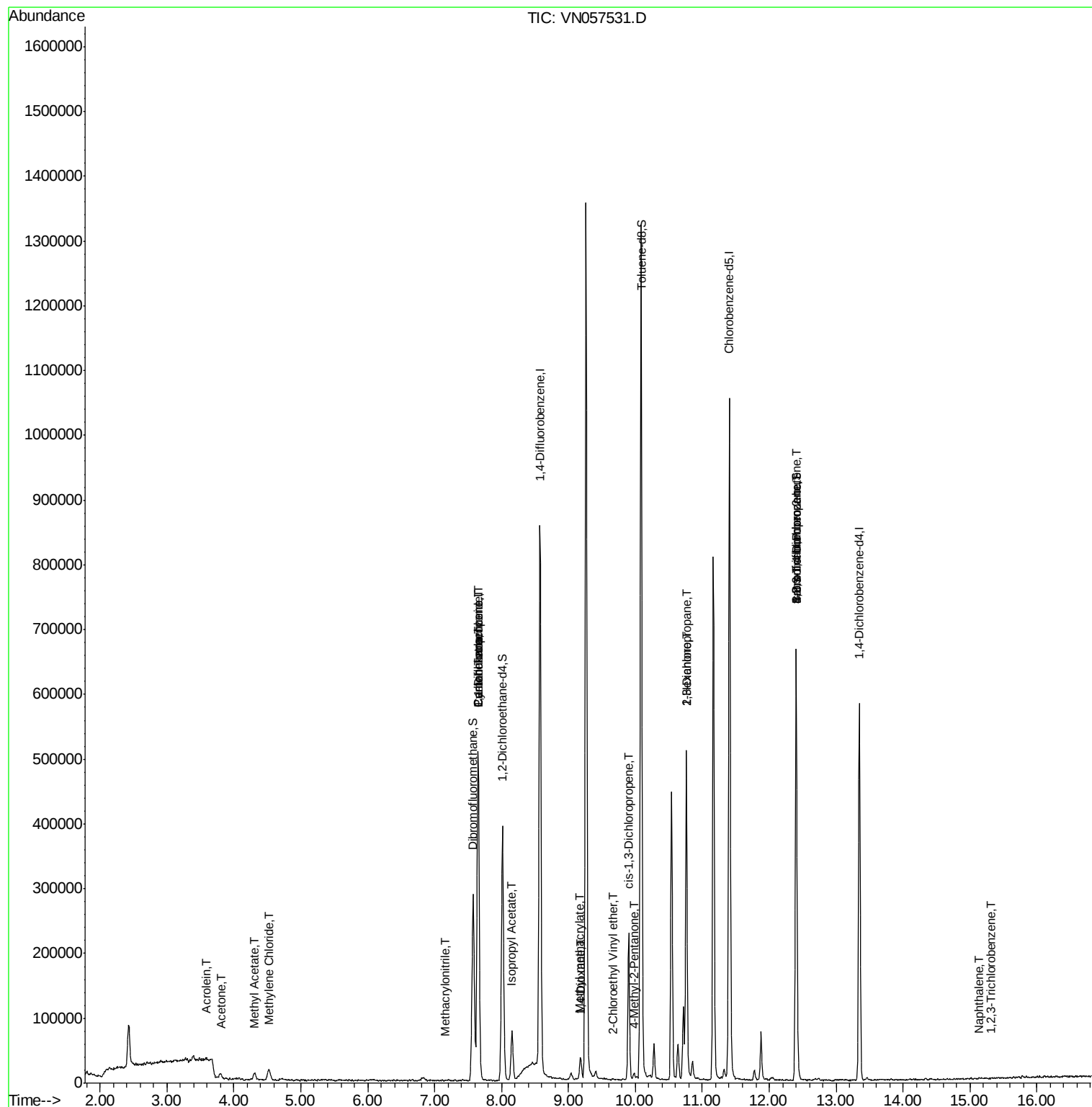
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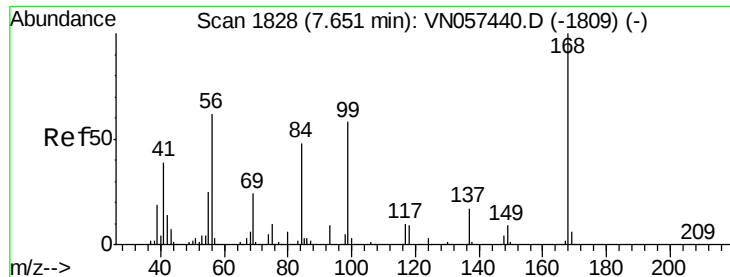
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
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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: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

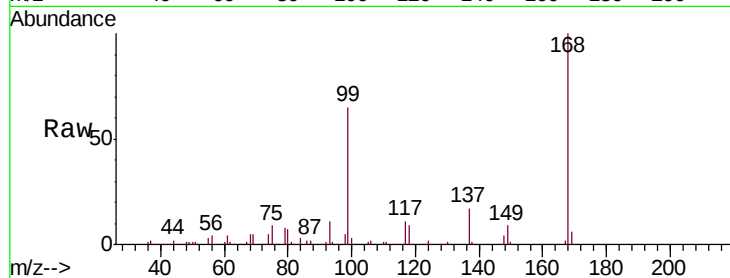
T9-12-13-K4-(0)

Tgt Ion:168 Resp: 366199

Ion Ratio Lower Upper

168 100

99 65.2 50.6 76.0



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

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

7.65

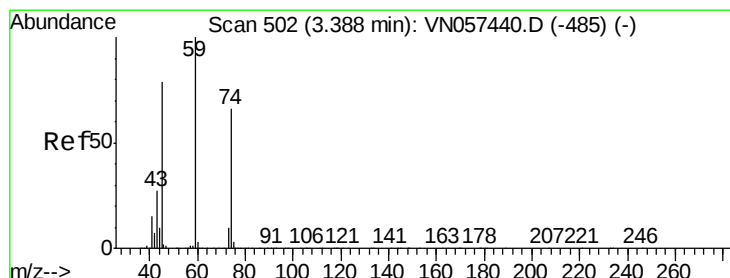
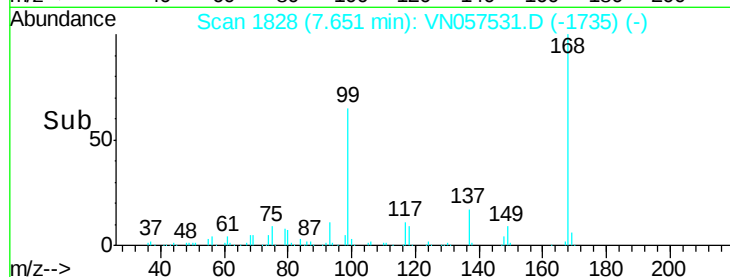
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.39 min Scan# 504

Delta R.T. 0.01 min

Lab File: VN057531.D

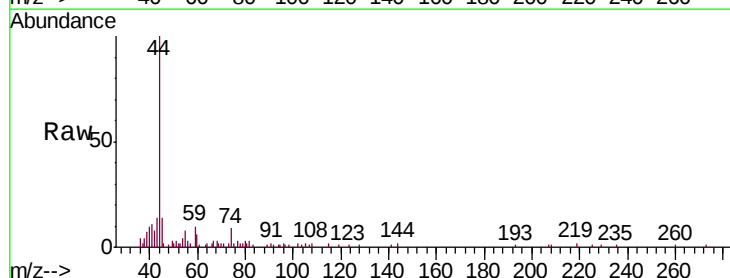
Acq: 27 Aug 2019 00:11

Tgt Ion: 74 Resp: 2284

Ion Ratio Lower Upper

74 100

45 63.7 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN057440.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN057440.D (-485) (-)

3.39

2500

2000

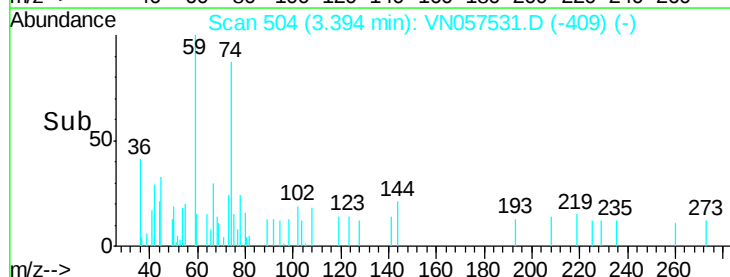
1500

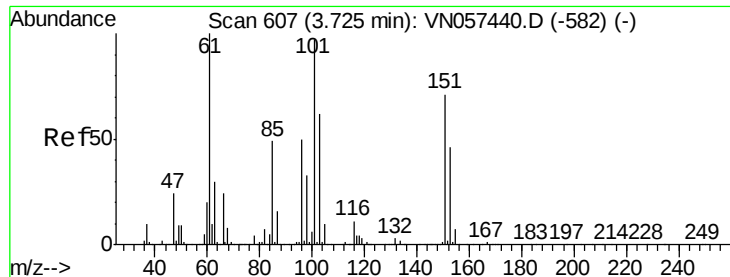
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.47 min Scan# 527

Delta R.T. -0.26 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-K4-(0)

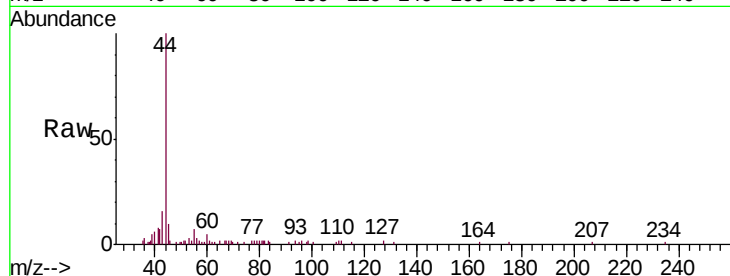
Tgt Ion:101 Resp: 30

Ion Ratio Lower Upper

101 100

85 236.7 40.0 60.0#

151 110.0 57.0 85.6#

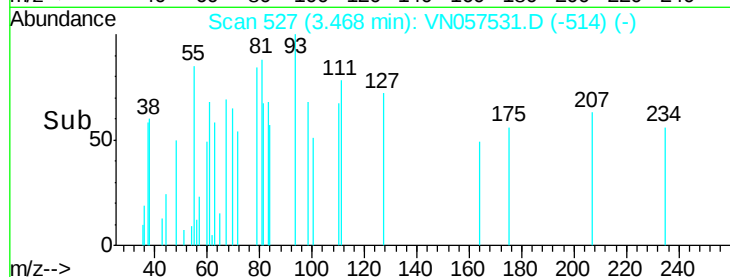


Abundance Ion 100.90 (100.60 to 101.60): V

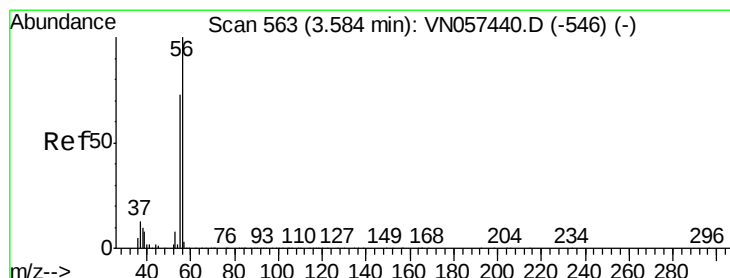
Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

Time-->



Time-->



#13

Acrolein

Concen: 0.305 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057531.D

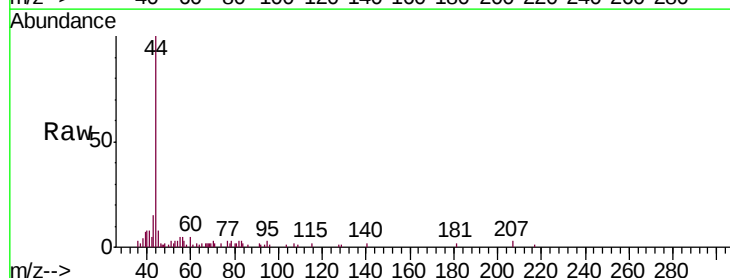
Acq: 27 Aug 2019 00:11

Tgt Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

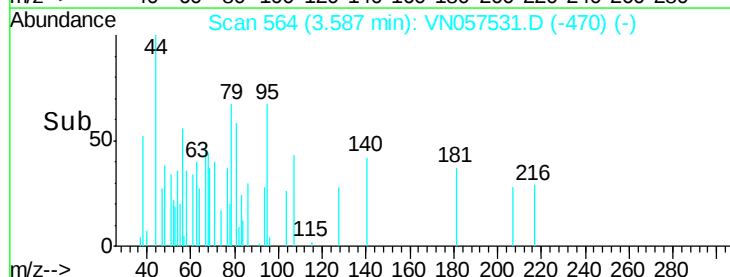
55 105.6 59.0 88.4#



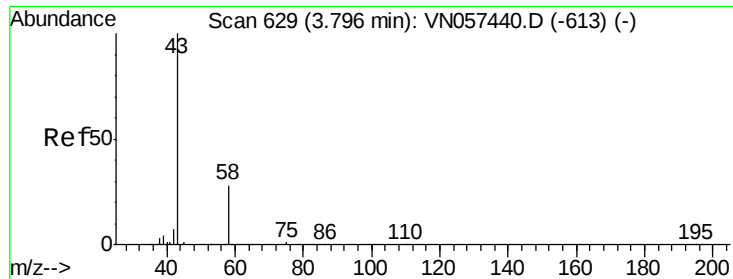
Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

Time-->



Time-->



#16

Acetone

Concen: 1.383 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

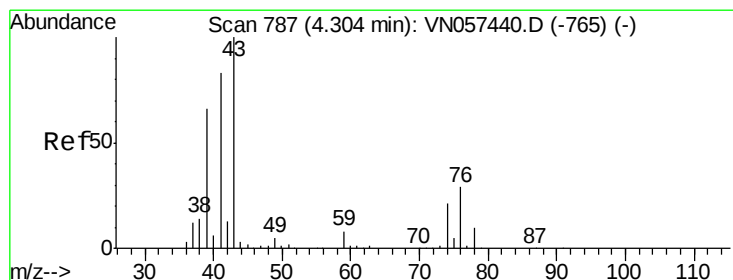
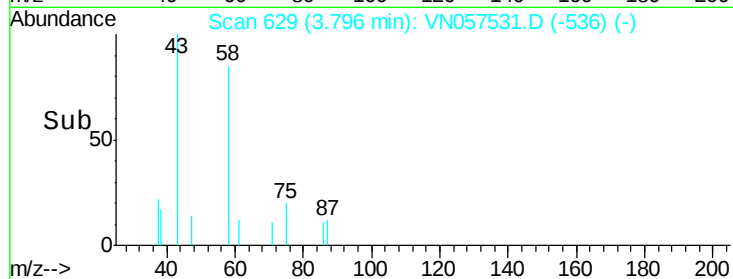
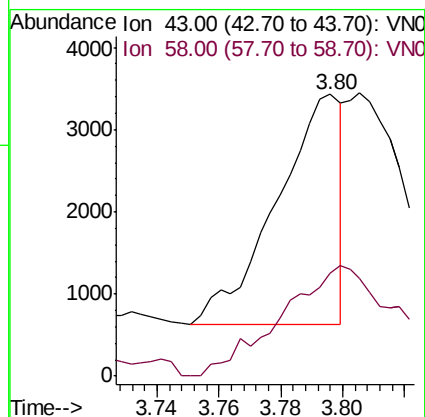
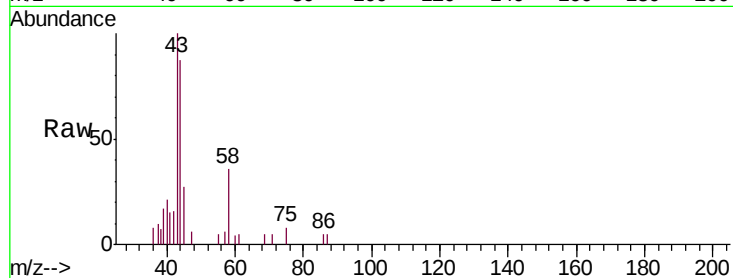
T9-12-13-K4-(0)

Tgt Ion: 43 Resp: 4092

Ion Ratio Lower Upper

43 100

58 44.4 22.1 33.1#



#18

Methyl Acetate

Concen: 2.488 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN057531.D

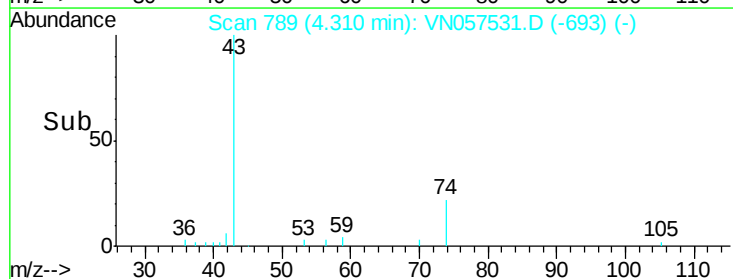
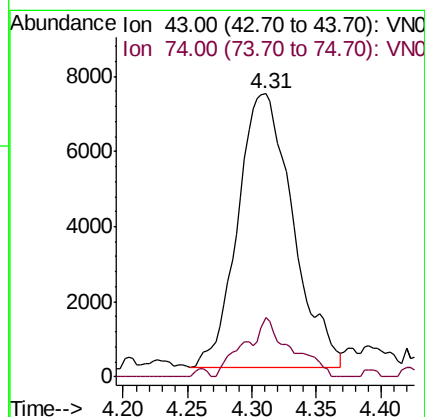
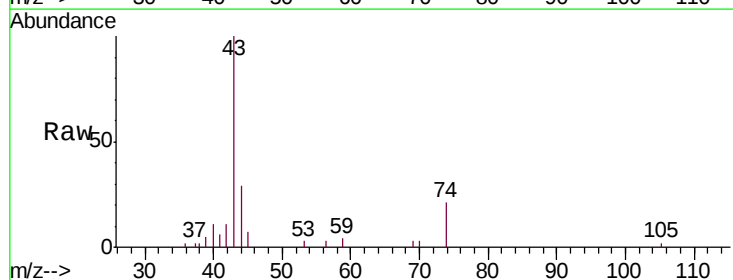
Acq: 27 Aug 2019 00:11

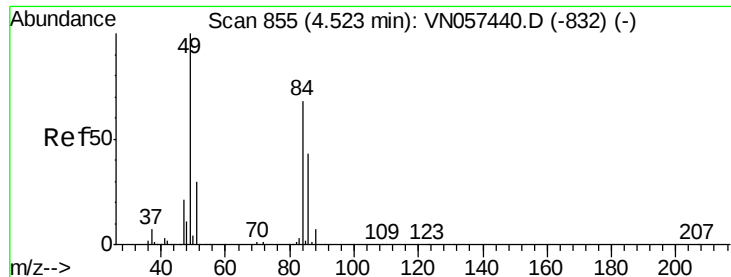
Tgt Ion: 43 Resp: 21672

Ion Ratio Lower Upper

43 100

74 18.2 15.9 23.9





#20

Methylene Chloride

Concen: 2.331 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-K4-(0)

Tgt Ion: 84 Resp: 10539

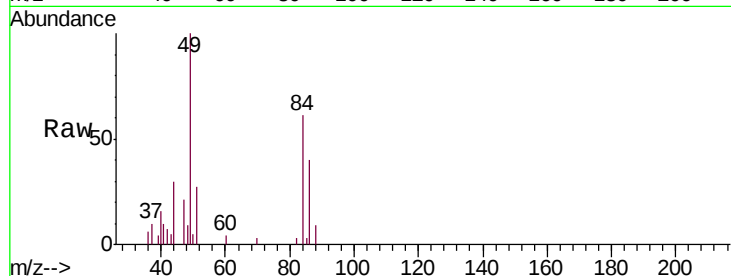
Ion Ratio Lower Upper

84 100

49 163.5 117.0 175.4

51 44.5 35.5 53.3

86 64.7 49.8 74.8

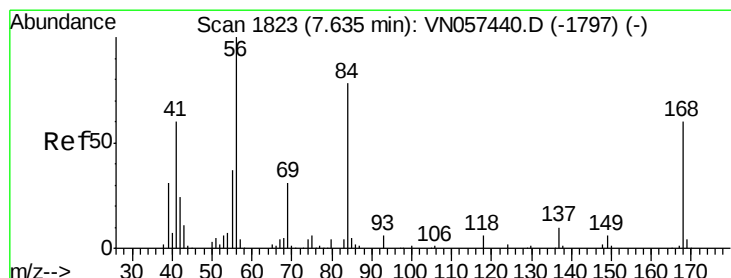
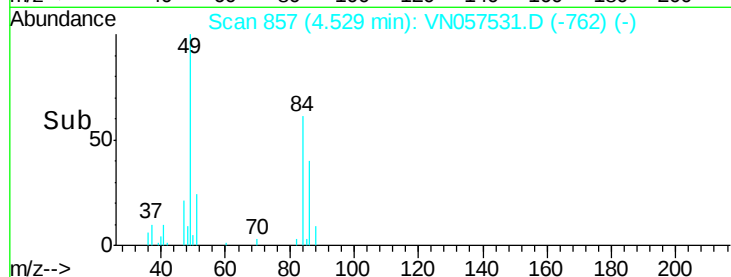
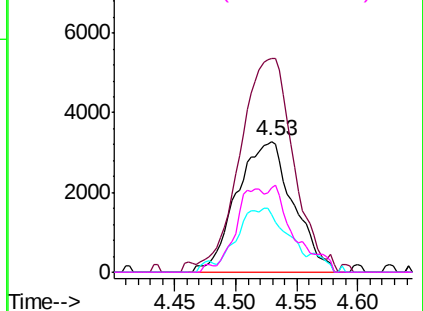


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.346 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

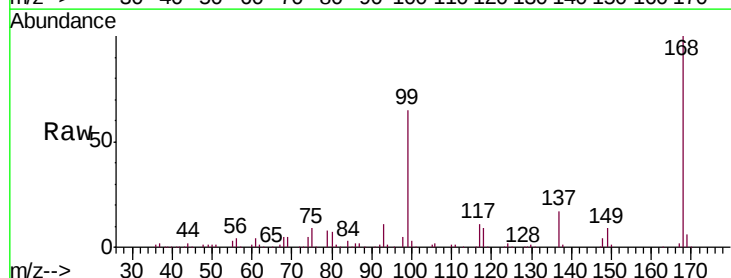
Tgt Ion: 56 Resp: 12184

Ion Ratio Lower Upper

56 100

69 124.8 25.0 37.6#

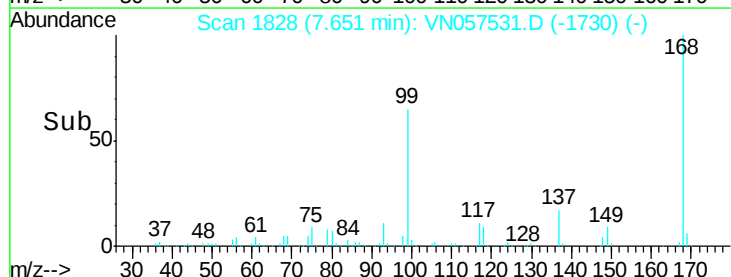
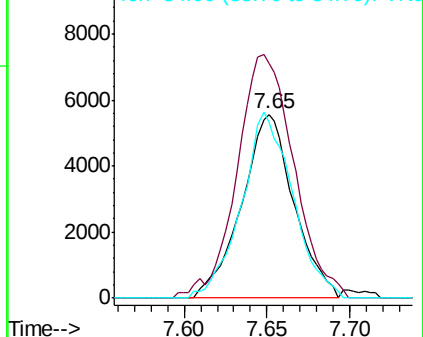
84 95.5 62.5 93.7#

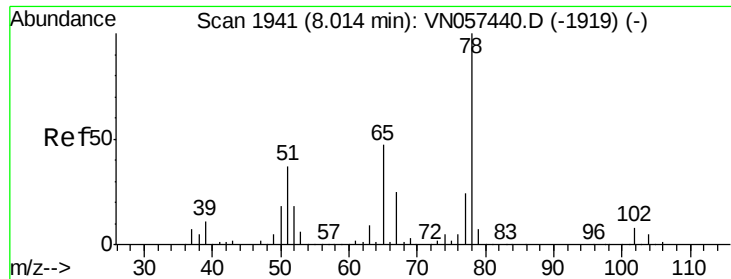


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

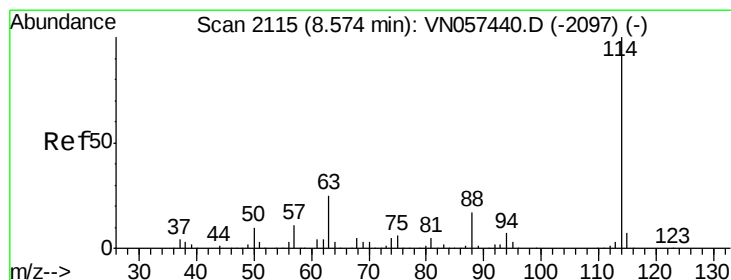
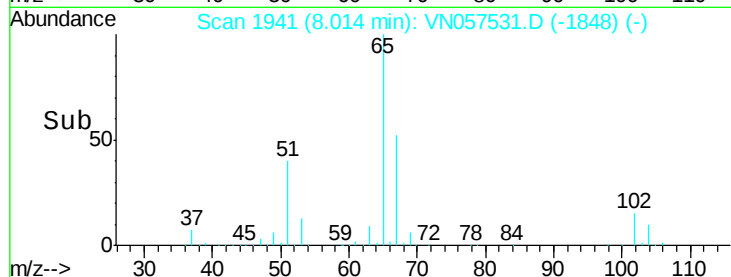
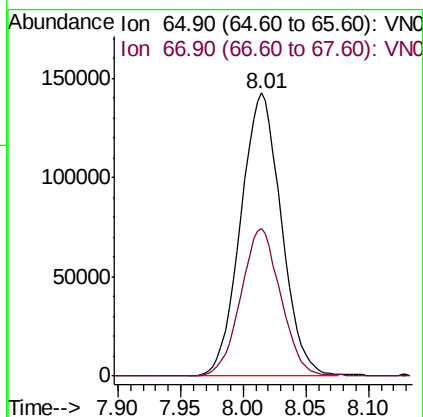
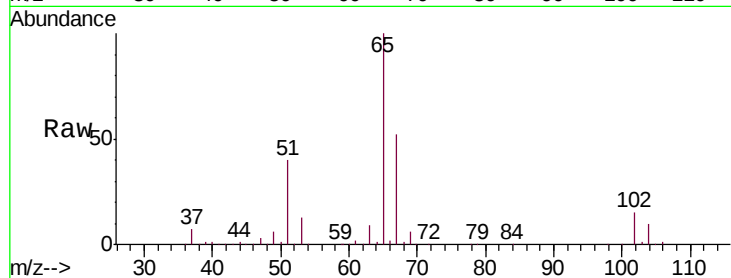




#33
 1,2-Dichloroethane-d4
 Concen: 50.022 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057531.D
 Acq: 27 Aug 2019 00:11

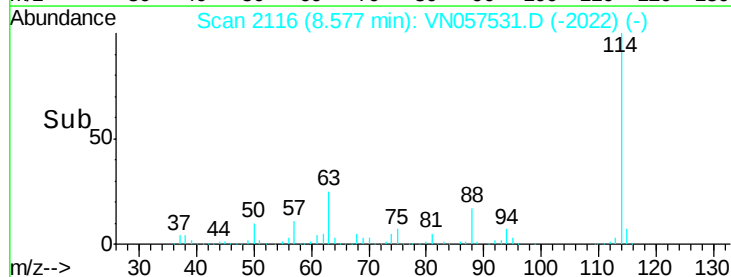
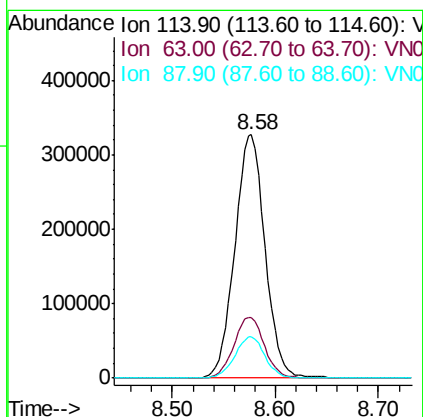
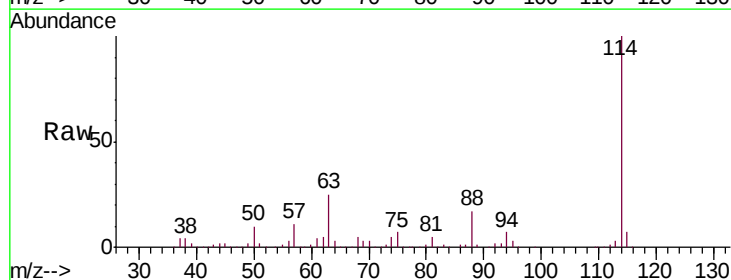
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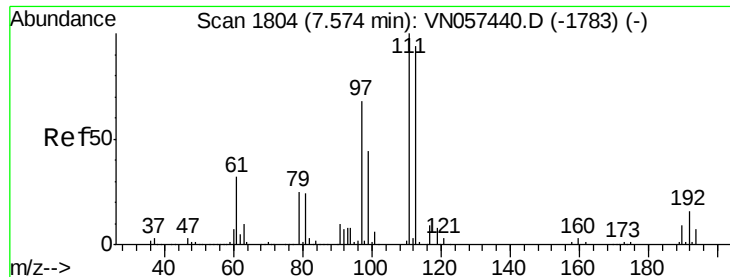
Tgt Ion: 65 Resp: 322238
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057531.D
 Acq: 27 Aug 2019 00:11

Tgt Ion: 114 Resp: 666334
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 17.1 0.0 34.6

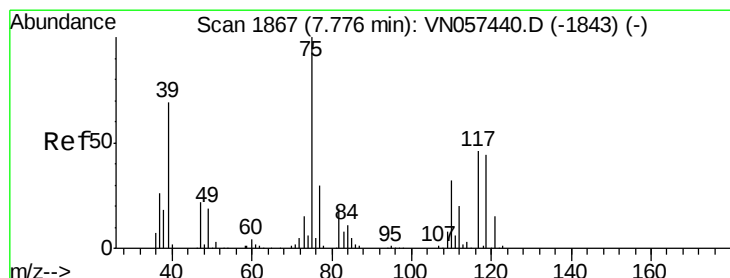
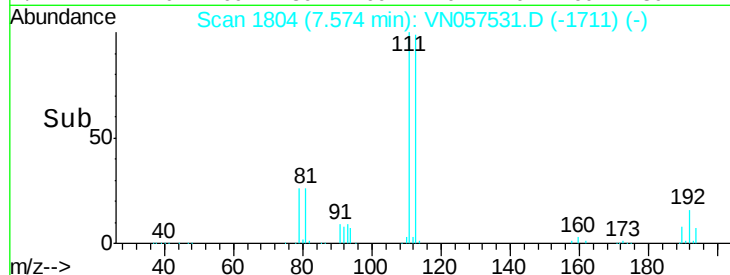
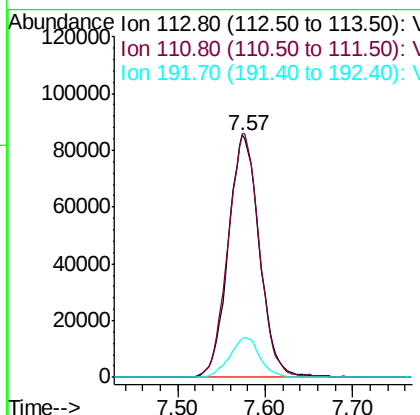
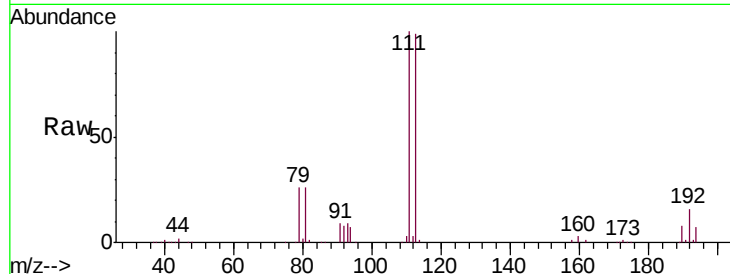




#35
 Dibromofluoromethane
 Concen: 47.036 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057531.D
 Acq: 27 Aug 2019 00:11

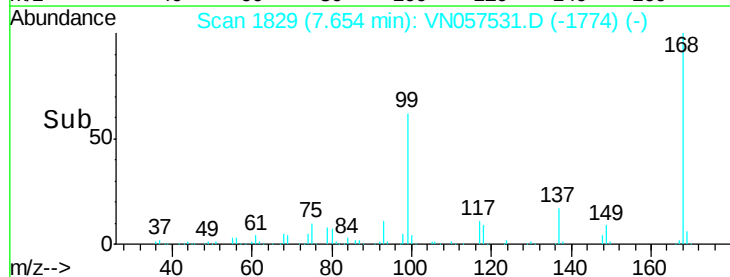
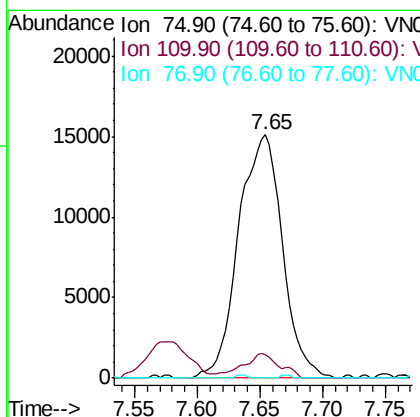
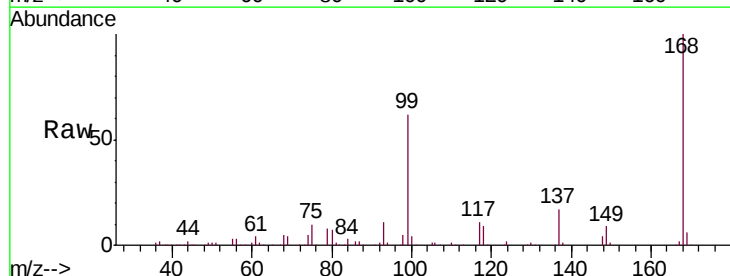
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-K4-(0)

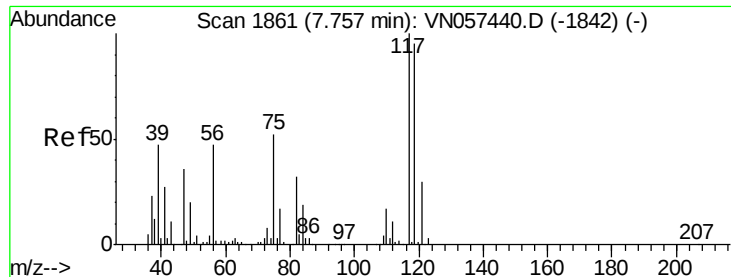
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.8	125.6
192	15.8	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 5.386 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057531.D
 Acq: 27 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.2	16.1	48.3#
77	0.3	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.058 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampled :

T9-12-13-K4-(0)

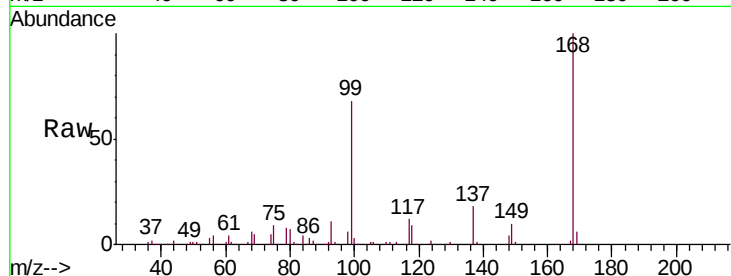
Tgt Ion:117 Resp: 40979

Ion Ratio Lower Upper

117 100

119 3.1 76.2 114.4#

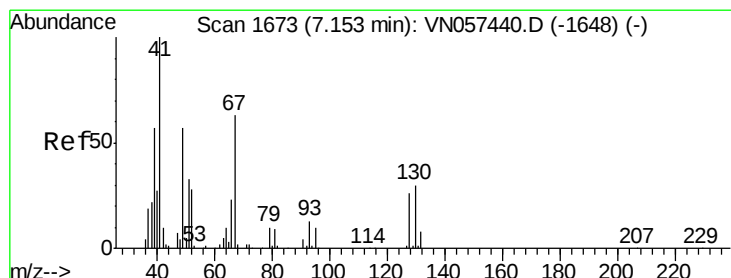
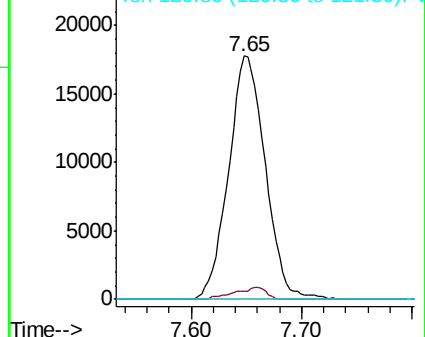
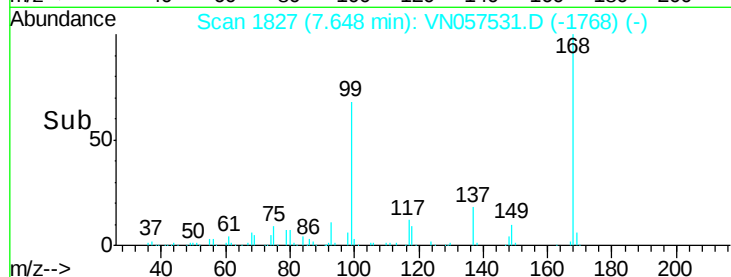
121 0.0 23.8 35.6#



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



#41

Methacrylonitrile

Concen: 0.214 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Tgt Ion: 41 Resp: 686

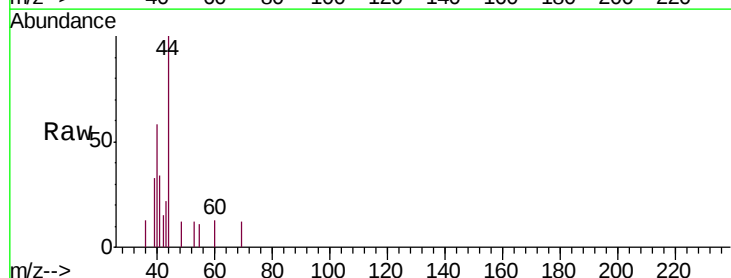
Ion Ratio Lower Upper

41 100

39 72.2 53.6 80.4

67 0.0 65.4 98.2#

52 10.6 29.8 44.6#

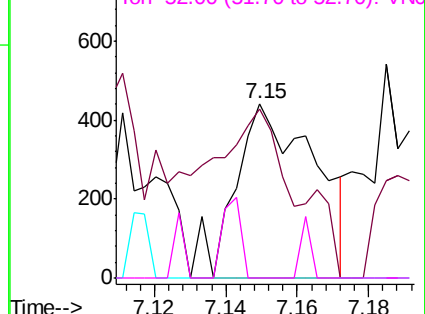
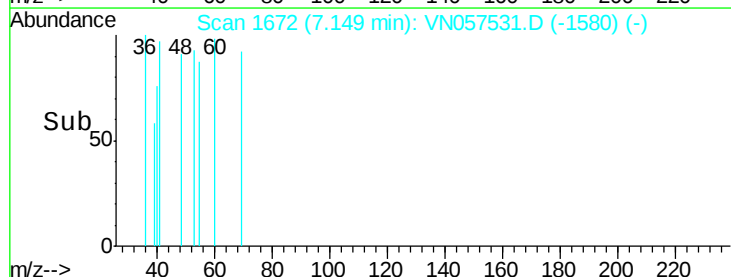


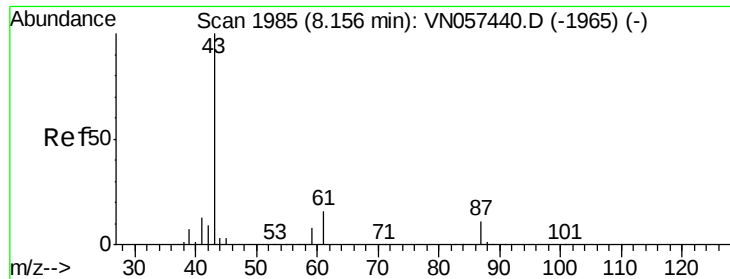
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 7.561 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-K4-(0)

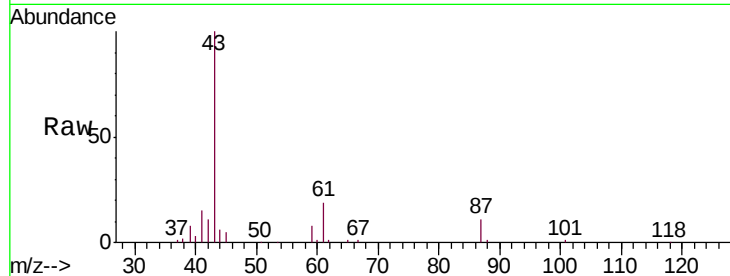
Tgt Ion: 43 Resp: 93269

Ion Ratio Lower Upper

43 100

61 17.6 14.5 21.7

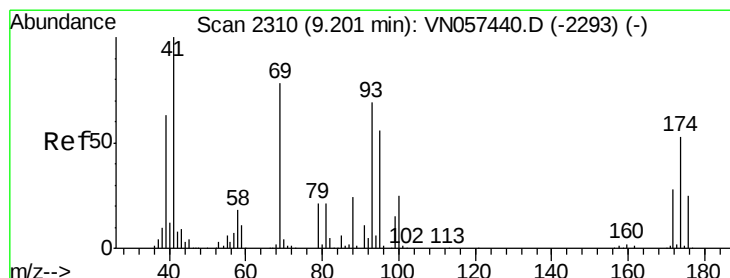
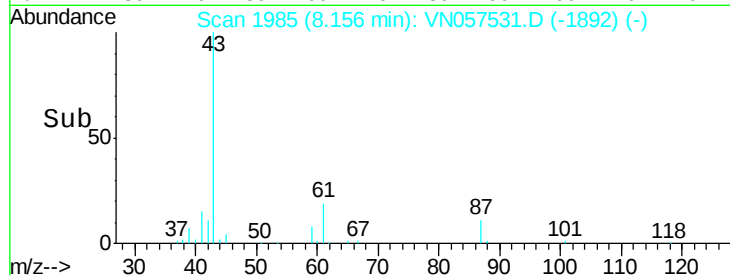
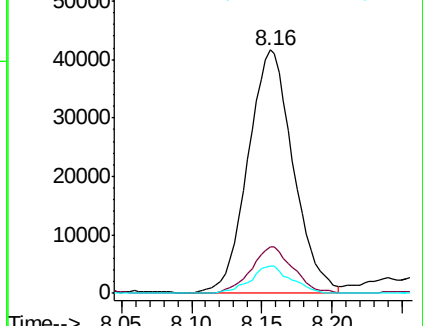
87 10.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN057440.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN057440.D (-1965) (-)



#46

Dibromomethane

Concen: Below Cal

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

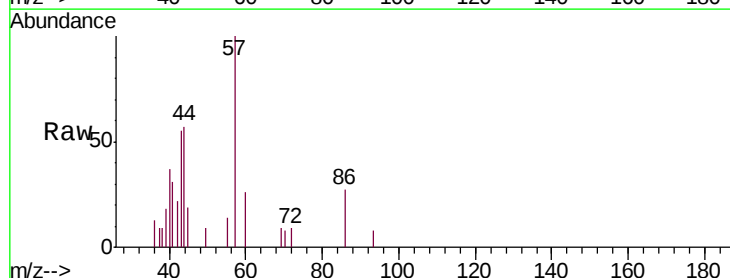
Tgt Ion: 93 Resp: 59

Ion Ratio Lower Upper

93 100

95 101.7 64.7 97.1#

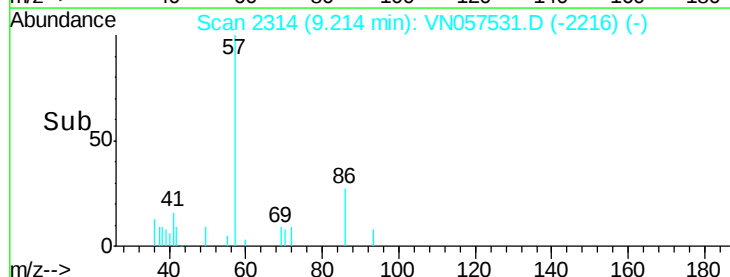
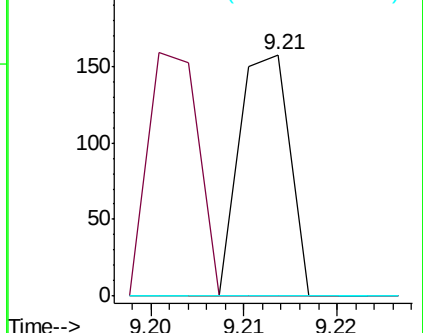
174 0.0 62.3 93.5#

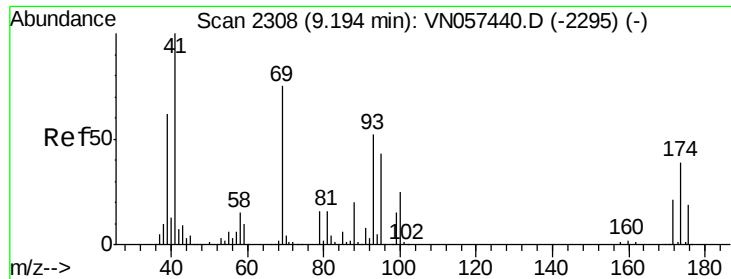


Abundance Ion 92.80 (92.50 to 93.50): VN057440.D (-2293) (-)

Ion 94.80 (94.50 to 95.50): VN057440.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN057440.D (-2293) (-)

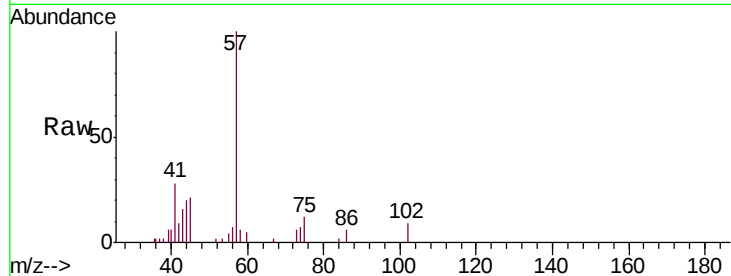




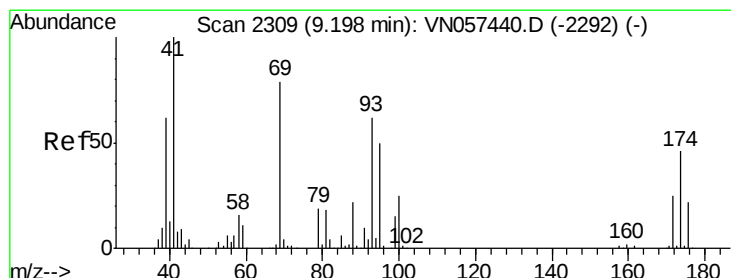
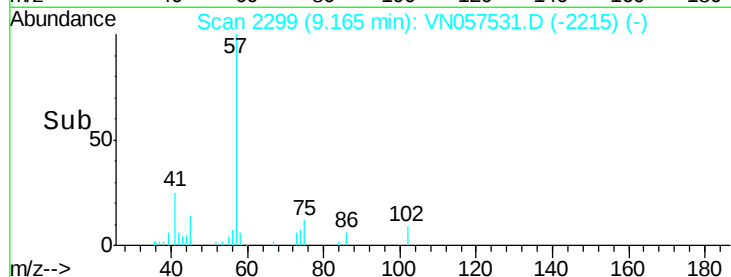
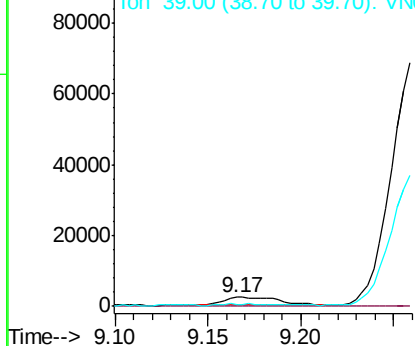
#48
Methyl methacrylate
Concen: 0.724 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.03 min
Lab File: VN057531.D
Acq: 27 Aug 2019 00:11

Instrument :
MSVOA_N
ClientSampled :
T9-12-13-K4-(0)

Tgt Ion: 41 Resp: 4249
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 50.6 75.8#

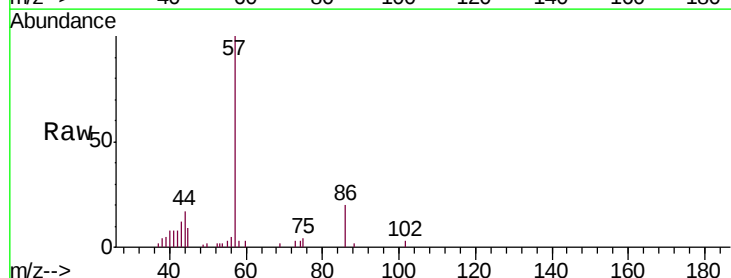


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

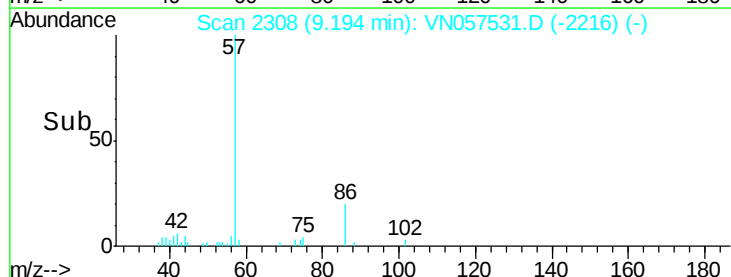
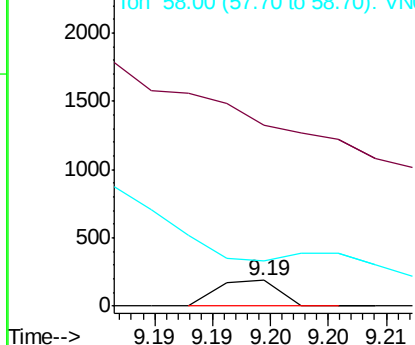


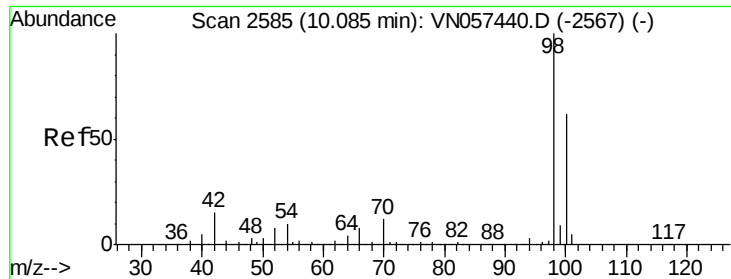
#49
1,4-Dioxane
Concen: 0.910 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057531.D
Acq: 27 Aug 2019 00:11

Tgt Ion: 88 Resp: 69
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: 50.462 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

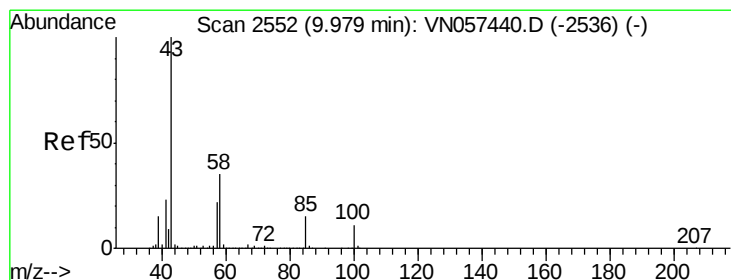
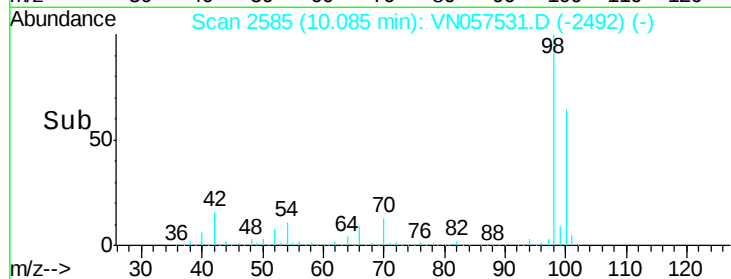
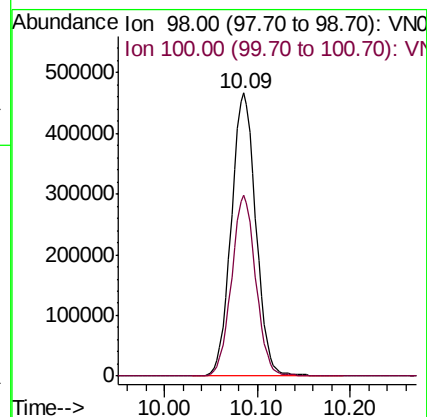
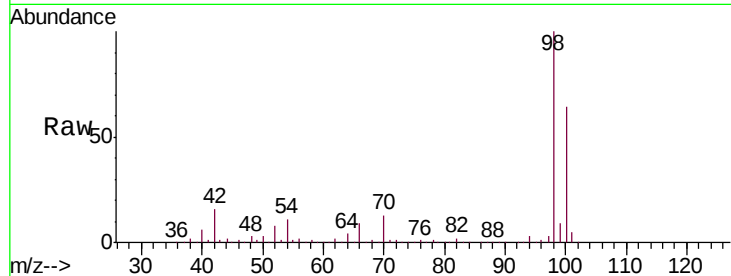
T9-12-13-K4-(0)

Tgt Ion: 98 Resp: 858793

Ion Ratio Lower Upper

98 100

100 62.9 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 0.676 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057531.D

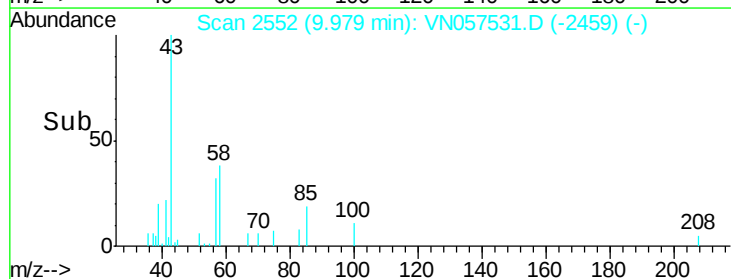
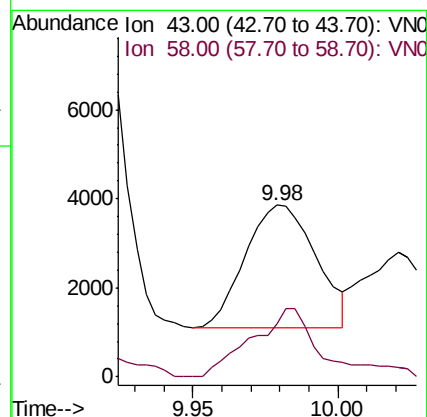
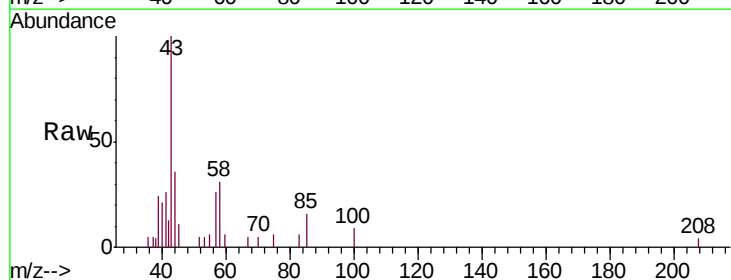
Acq: 27 Aug 2019 00:11

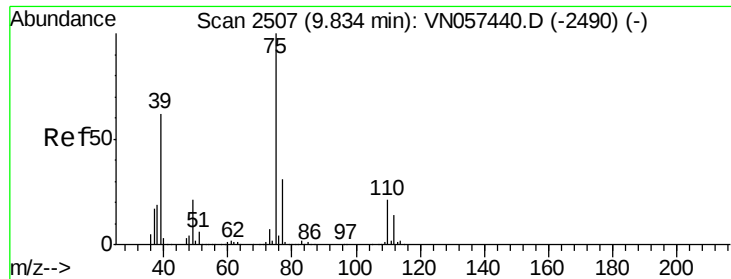
Tgt Ion: 43 Resp: 4649

Ion Ratio Lower Upper

43 100

58 55.3 27.9 41.9#





#54

cis-1,3-Dichloropropene

Concen: 4.112 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampled :

T9-12-13-K4-(0)

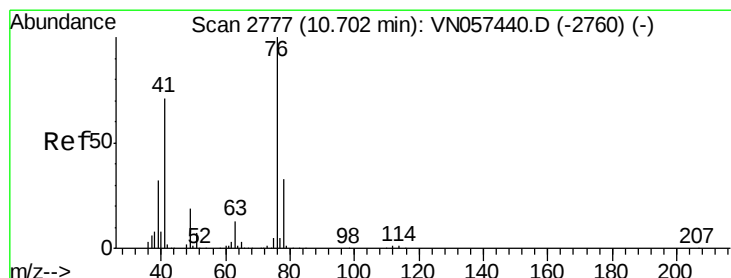
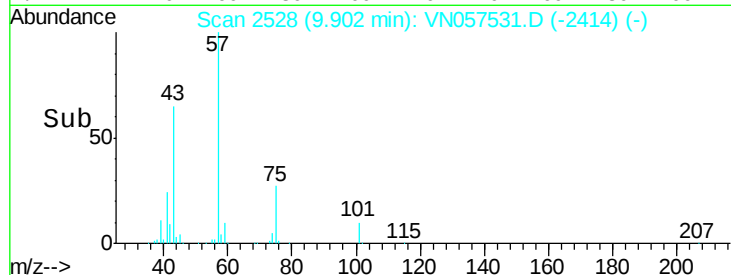
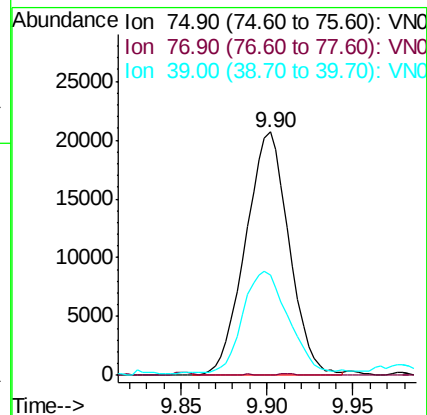
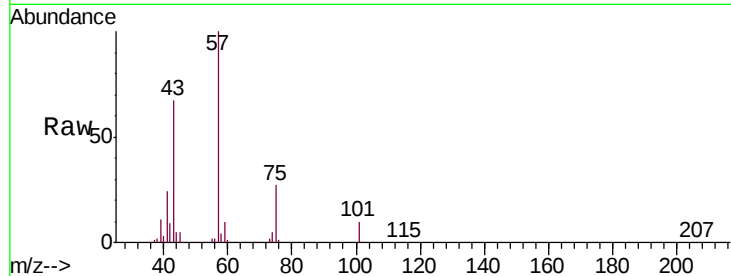
Tgt Ion: 75 Resp: 36415

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 39.8 49.2 73.8#



#57

1,3-Dichloropropane

Concen: 0.606 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057531.D

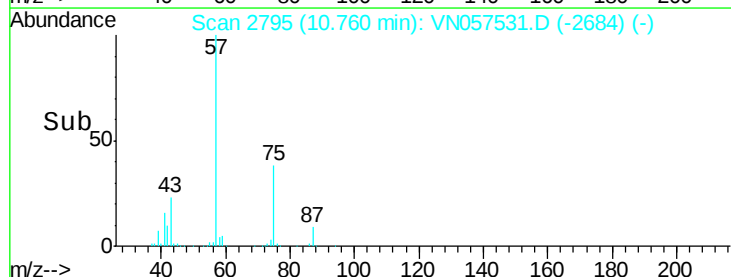
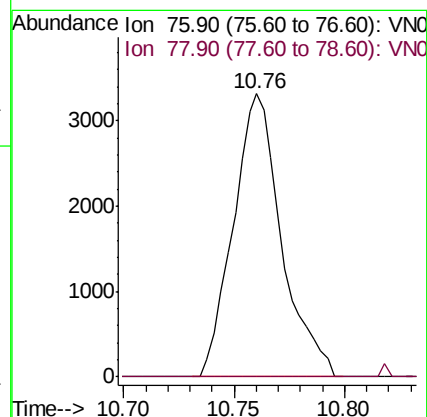
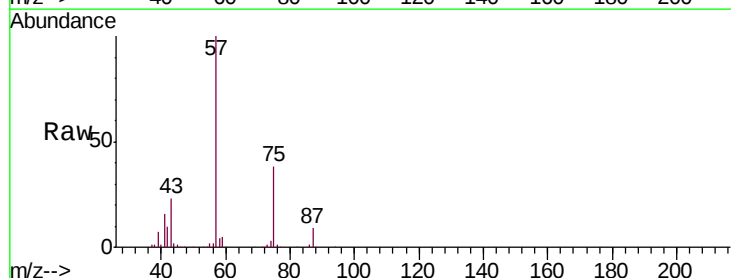
Acq: 27 Aug 2019 00:11

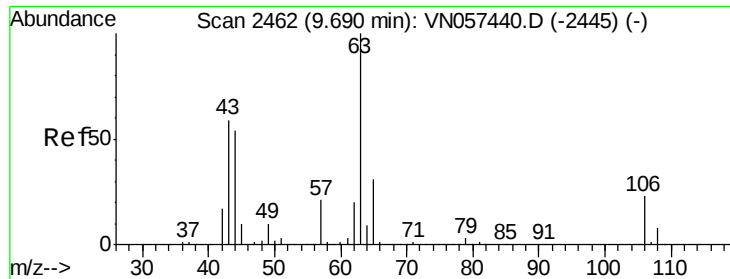
Tgt Ion: 76 Resp: 5024

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

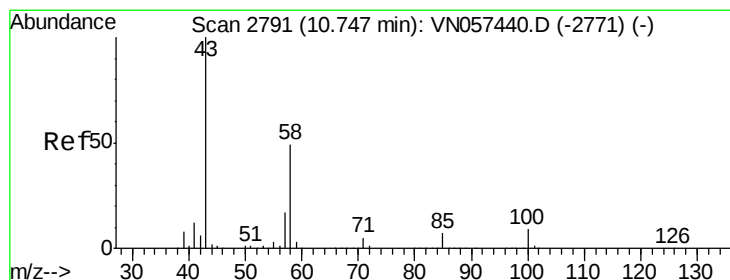
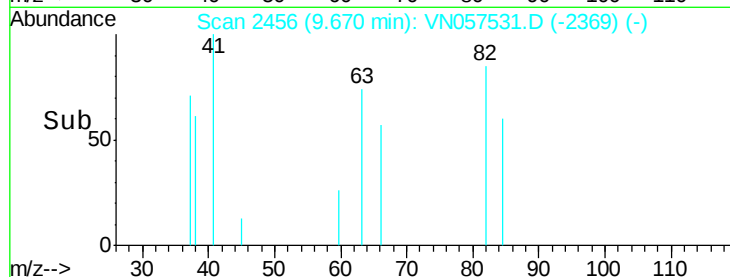
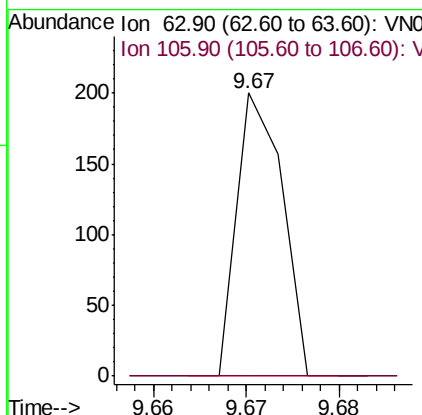
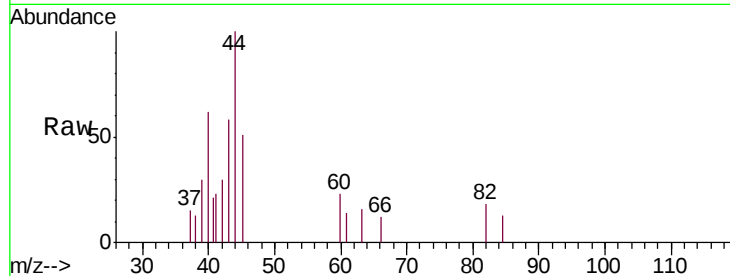




#58
2-Chloroethyl Vinyl ether
Concen: 17.095 ug/l
RT: 9.67 min Scan# 2456
Delta R.T. -0.02 min
Lab File: VN057531.D
Acq: 27 Aug 2019 00:11

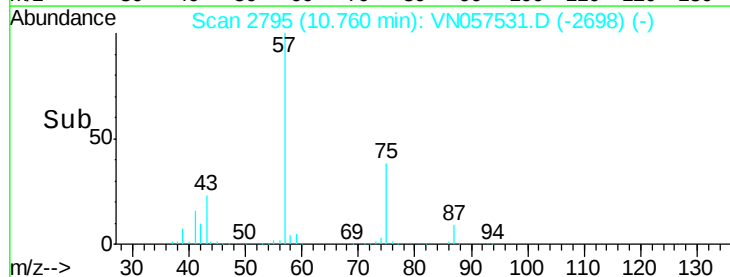
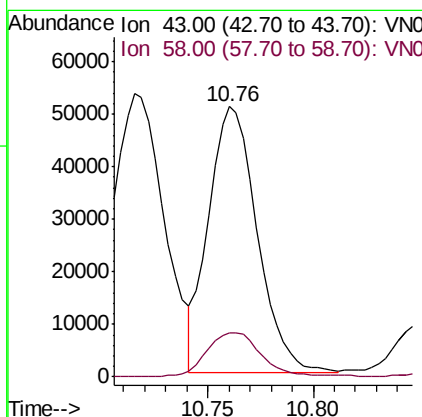
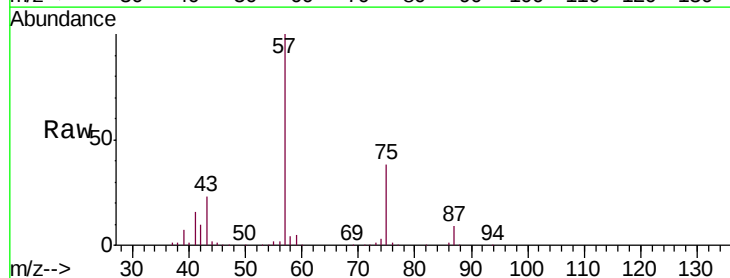
Instrument :
MSVOA_N
ClientSampleId :
T9-12-13-K4-(0)

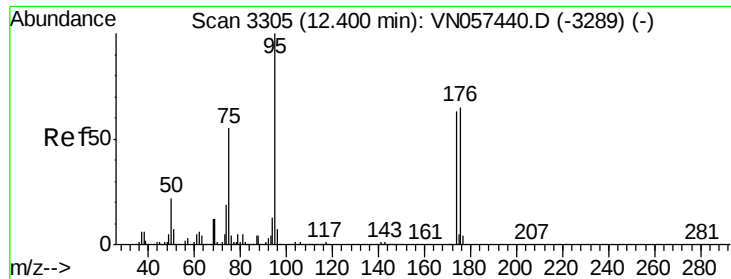
Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 18.6 27.8#



#59
2-Hexanone
Concen: 17.170 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057531.D
Acq: 27 Aug 2019 00:11

Tgt Ion: 43 Resp: 80965
Ion Ratio Lower Upper
43 100
58 18.7 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 41.087 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-K4-(0)

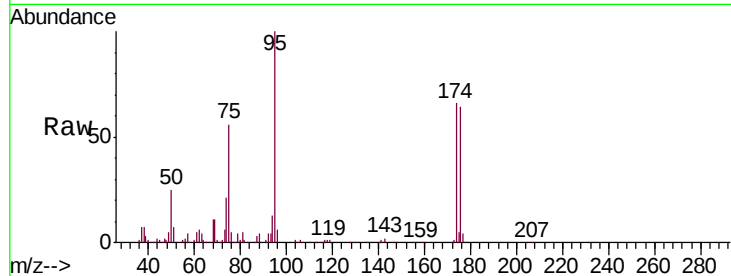
Tgt Ion: 95 Resp: 236962

Ion Ratio Lower Upper

95 100

174 66.6 0.0 133.0

176 66.2 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN057531.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN057531.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN057531.D (-3212) (-)

12.40

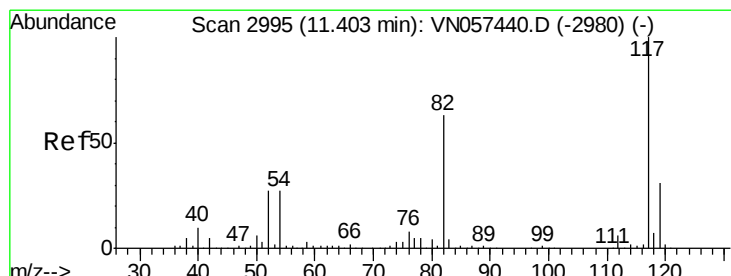
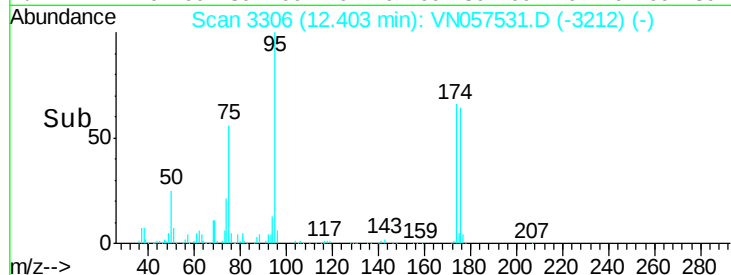
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

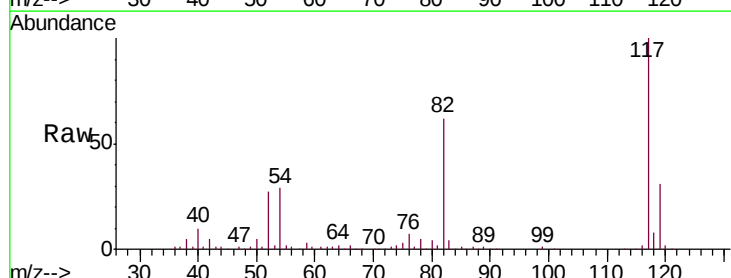
Tgt Ion: 117 Resp: 560264

Ion Ratio Lower Upper

117 100

82 62.3 50.6 75.8

119 31.3 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): VN057531.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN057531.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN057531.D (-2902) (-)

11.41

400000

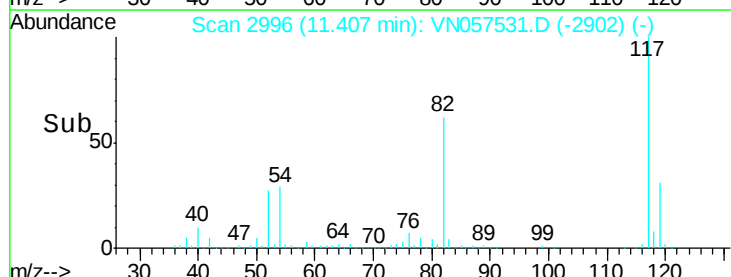
300000

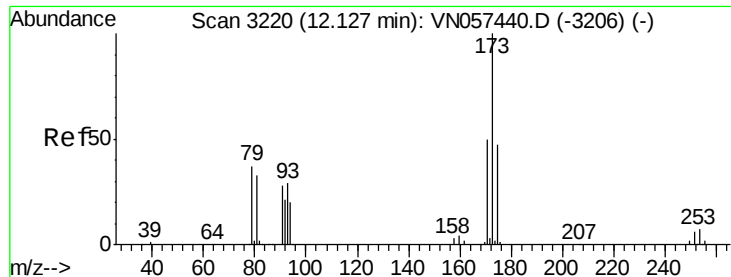
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.550 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-K4-(0)

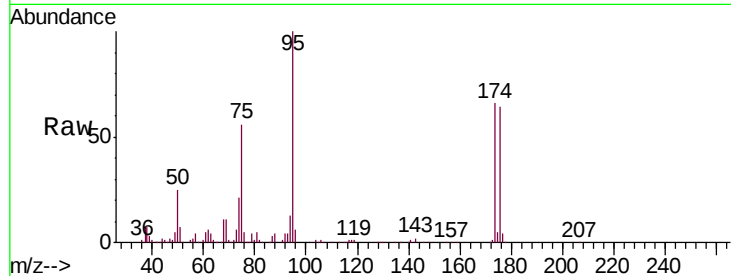
Tgt Ion:173 Resp: 1615

Ion Ratio Lower Upper

173 100

175 660.6 23.9 71.8#

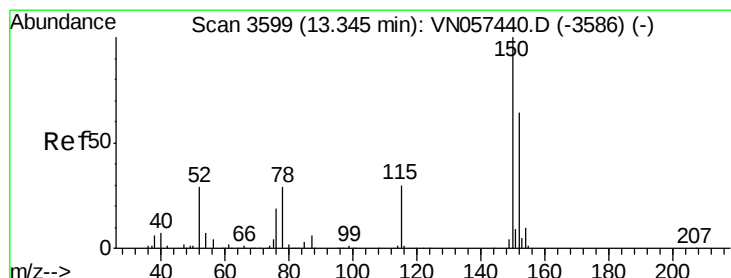
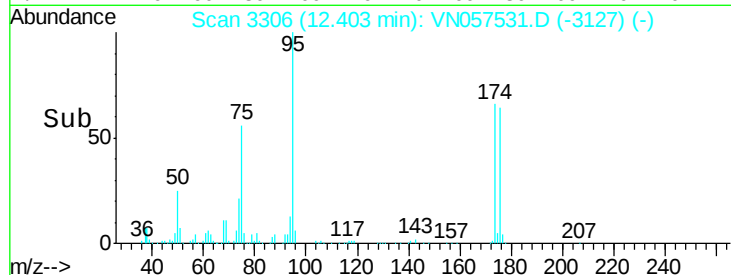
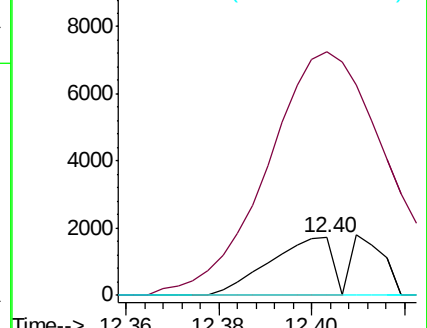
254 0.0 0.1 0.1#



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: VN057531.D

Acq: 27 Aug 2019 00:11

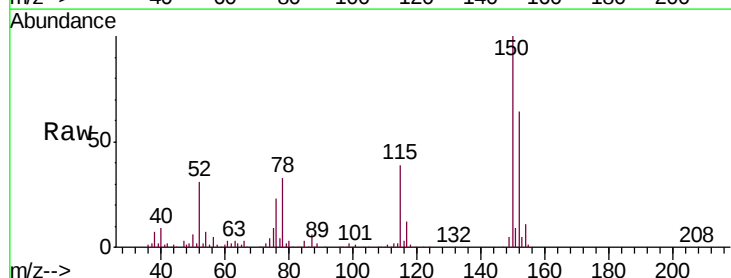
Tgt Ion:152 Resp: 138371

Ion Ratio Lower Upper

152 100

115 63.2 32.0 96.0

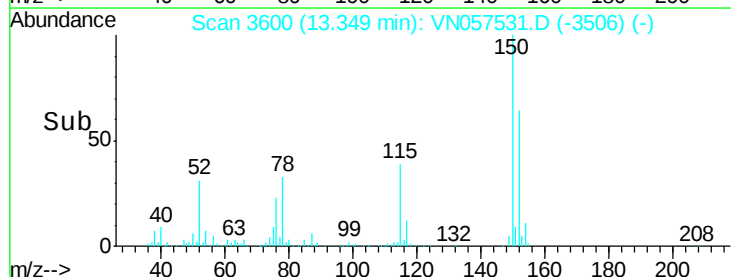
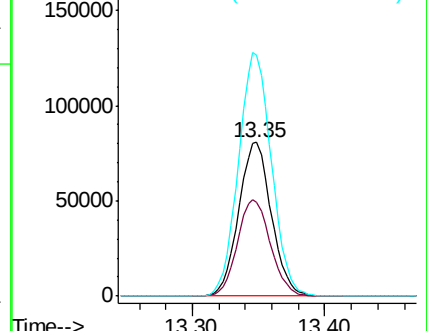
150 159.4 0.0 346.6

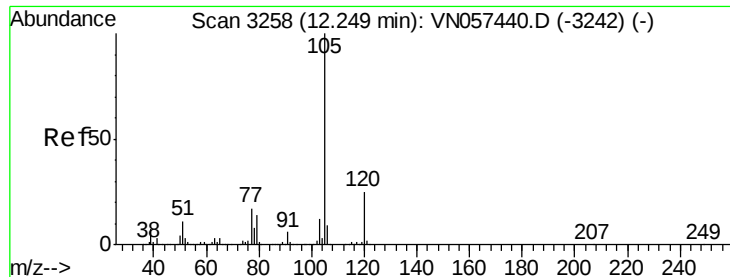


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3255

Delta R.T. -0.01 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

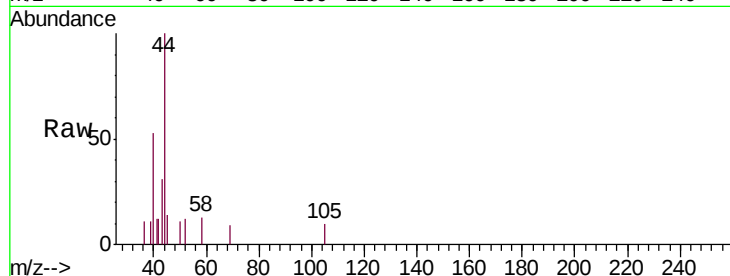
T9-12-13-K4-(0)

Tgt Ion:105 Resp: 32

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

12.24

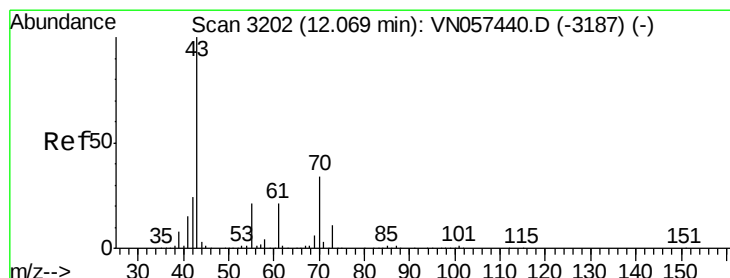
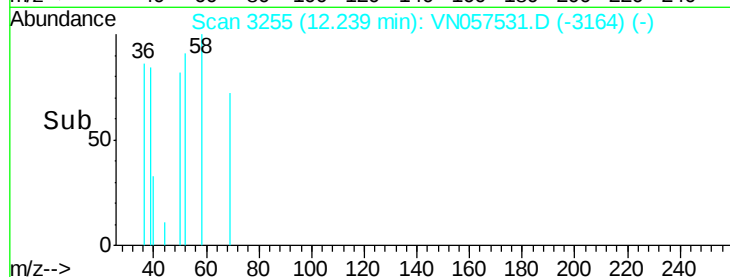
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Tgt Ion: 43 Resp: 3294

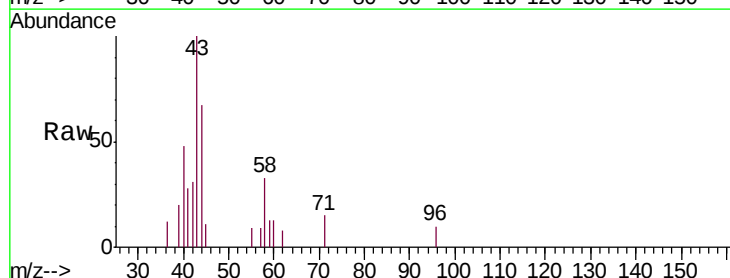
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 3.6 17.0 25.4#

61 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

3000

2500

2000

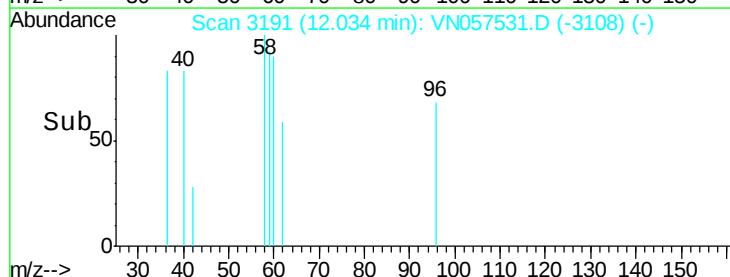
1500

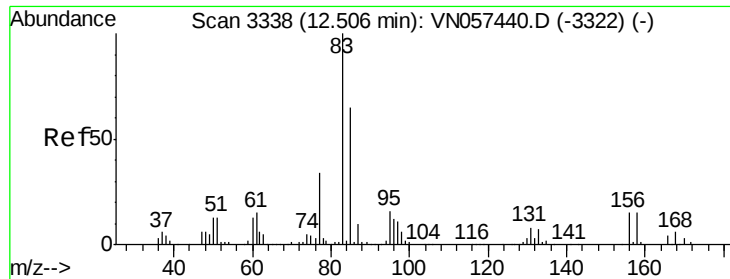
1000

500

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.54 min Scan# 3348

Delta R.T. 0.03 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

T9-12-13-K4-(0)

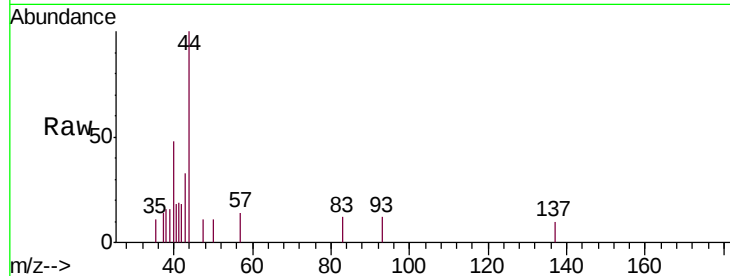
Tgt Ion: 83 Resp: 77

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 0.0 32.3 96.8#



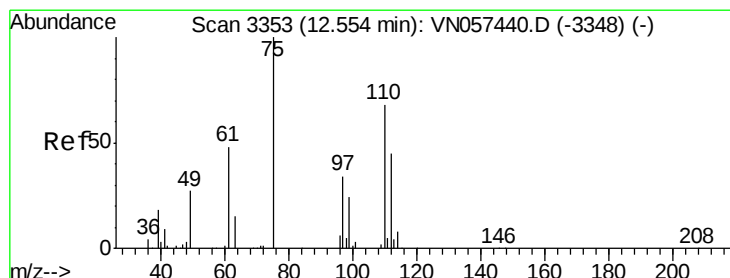
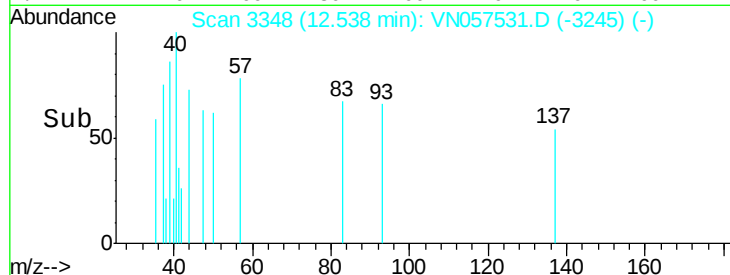
Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

12.54

Time-->



#76

1,2,3-Trichloropropane

Concen: 43.994 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057531.D

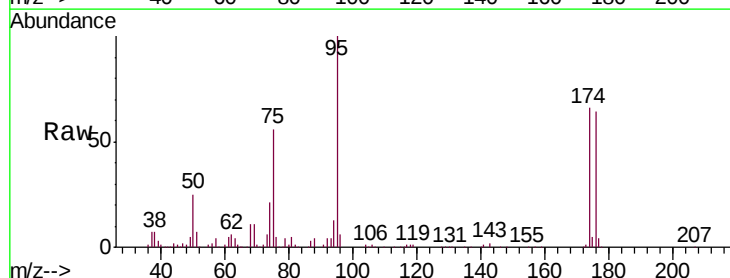
Acq: 27 Aug 2019 00:11

Tgt Ion: 75 Resp: 136117

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#

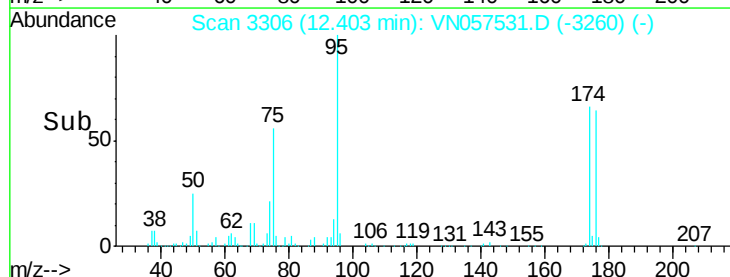


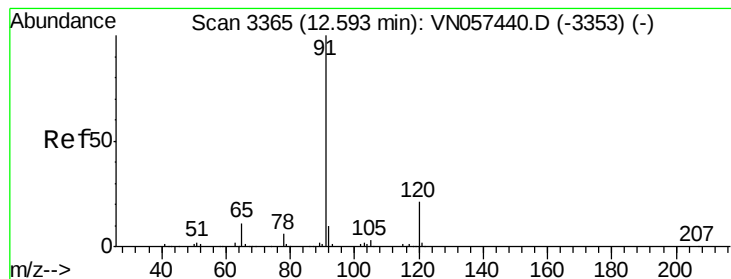
Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

12.40

Time-->





#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

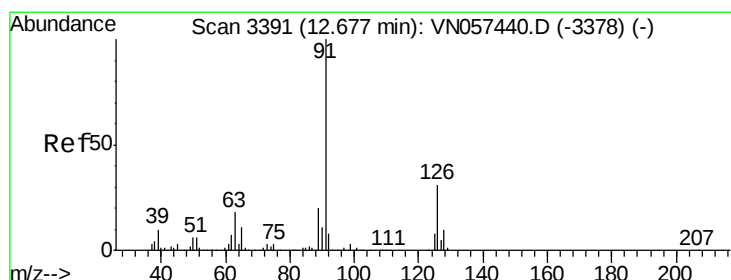
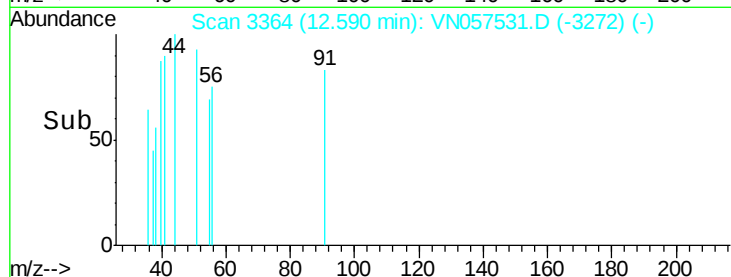
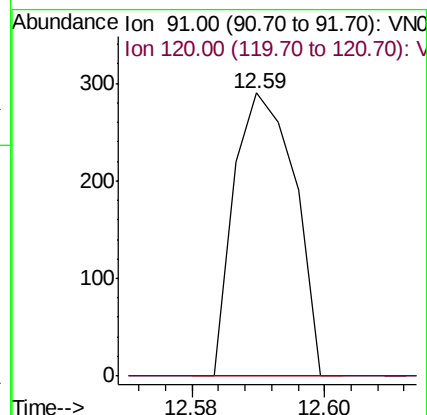
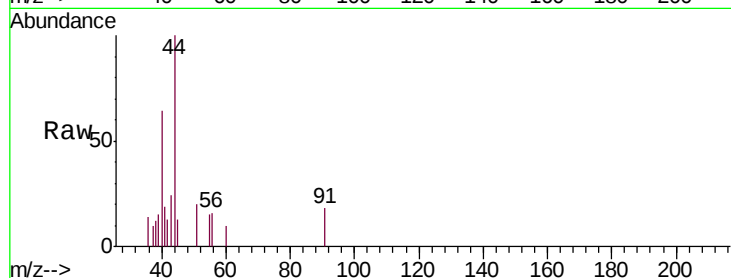
T9-12-13-K4-(0)

Tgt Ion: 91 Resp: 185

Ion Ratio Lower Upper

91 100

120 0.0 10.7 32.1#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.74 min Scan# 3412

Delta R.T. 0.07 min

Lab File: VN057531.D

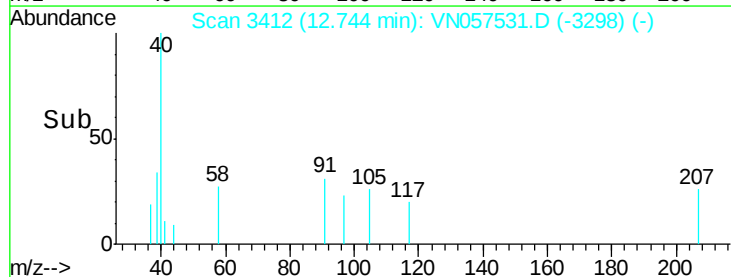
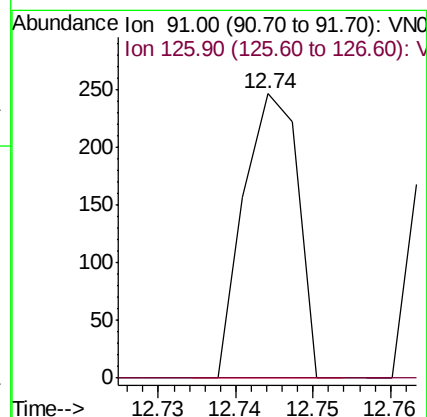
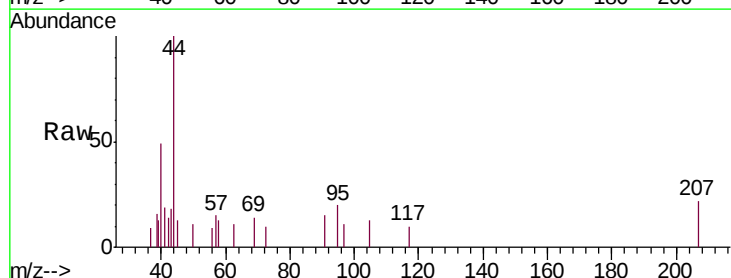
Acq: 27 Aug 2019 00:11

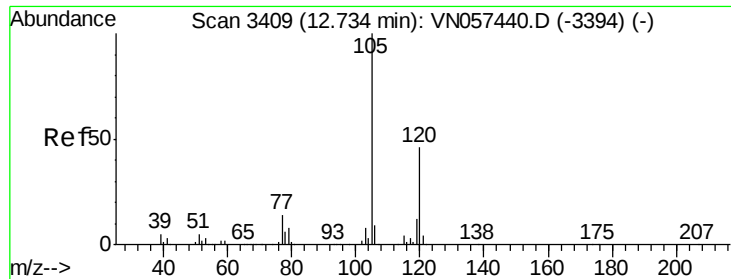
Tgt Ion: 91 Resp: 120

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#

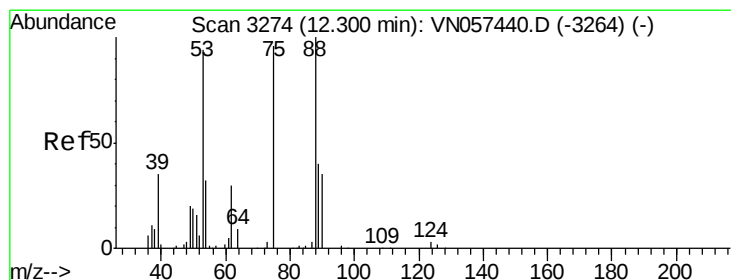
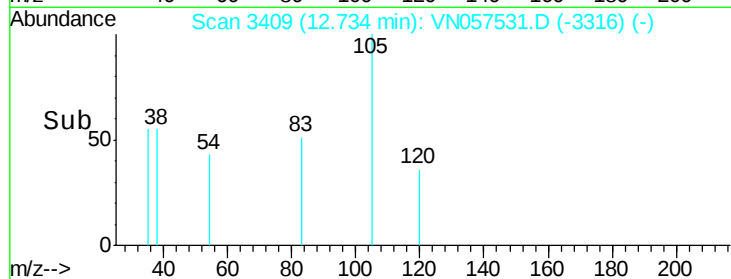
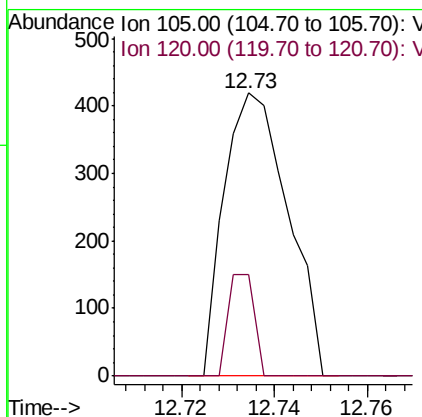
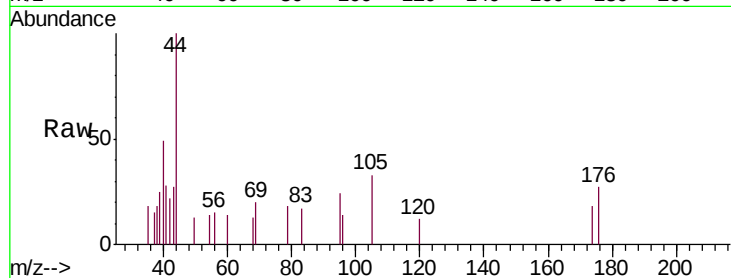




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057531.D
 Acq: 27 Aug 2019 00:11

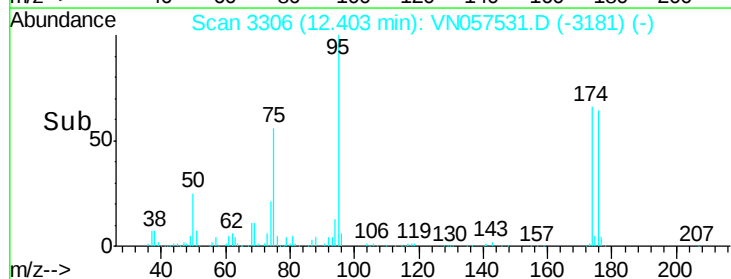
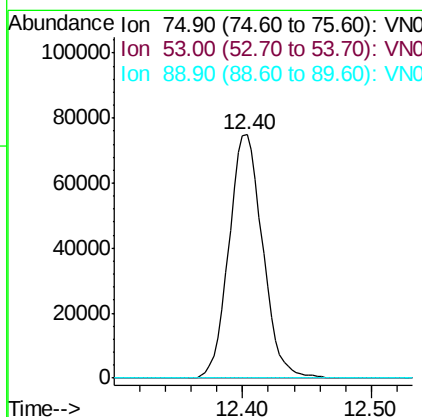
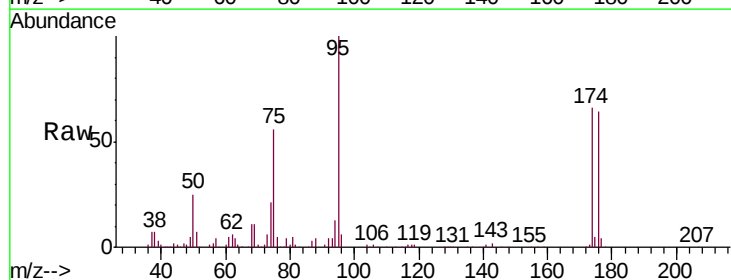
Instrument :
 MSVOA_N
 ClientSampleId :
 T9-12-13-K4-(0)

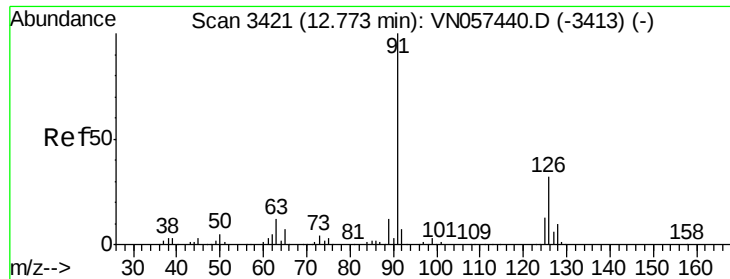
Tgt Ion: 105 Resp: 402
 Ion Ratio Lower Upper
 105 100
 120 14.4 23.3 69.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.917 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057531.D
 Acq: 27 Aug 2019 00:11

Tgt Ion: 75 Resp: 136117
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.7 124.1#
 89 0.1 35.8 53.8#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampled :

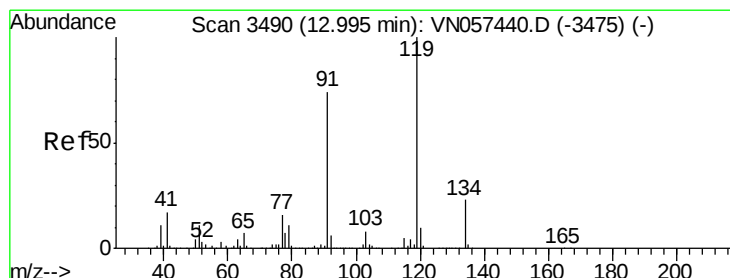
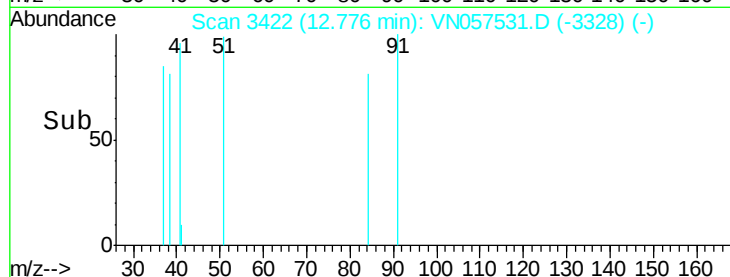
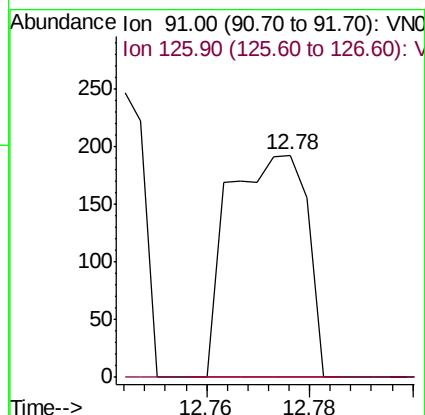
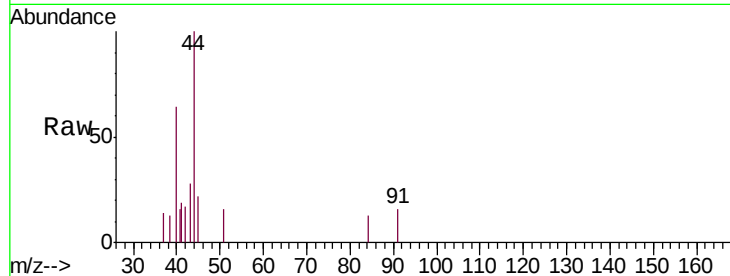
T9-12-13-K4-(0)

Tgt Ion: 91 Resp: 202

Ion Ratio Lower Upper

91 100

126 0.0 15.0 45.0#



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.21 min Scan# 3557

Delta R.T. 0.22 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

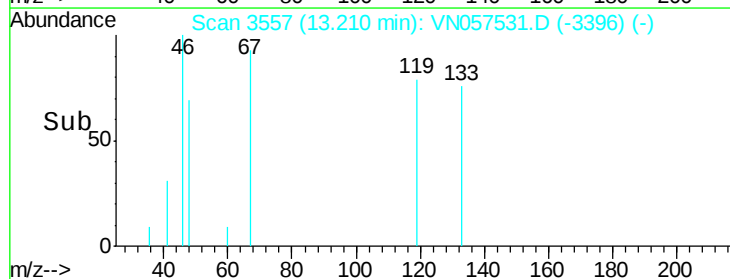
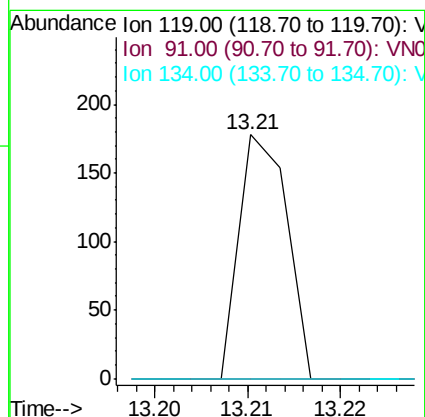
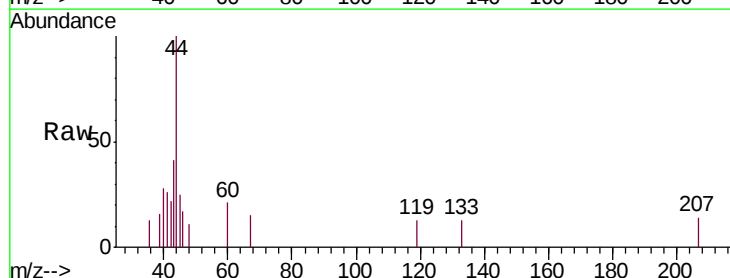
Tgt Ion: 119 Resp: 64

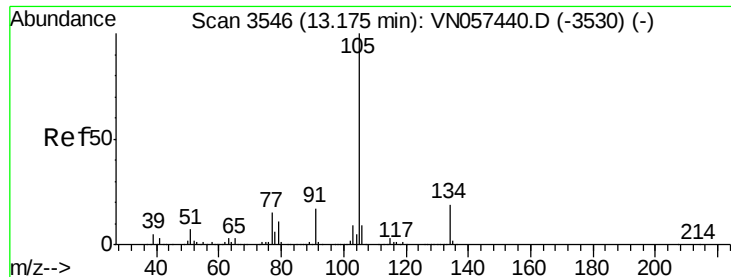
Ion Ratio Lower Upper

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# 3547

Delta R.T. 0.00 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampleId :

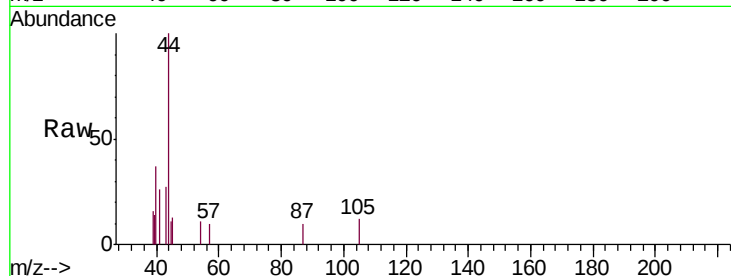
T9-12-13-K4-(0)

Tgt Ion: 105 Resp: 97

Ion Ratio Lower Upper

105 100

134 0.0 9.3 27.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

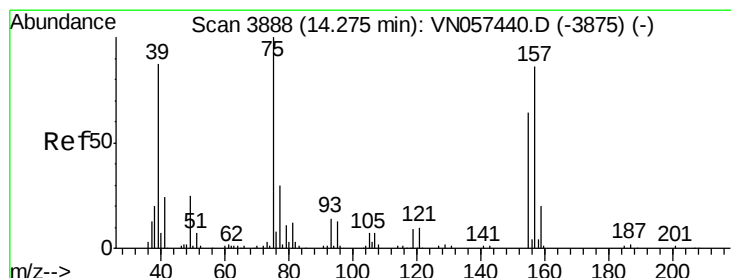
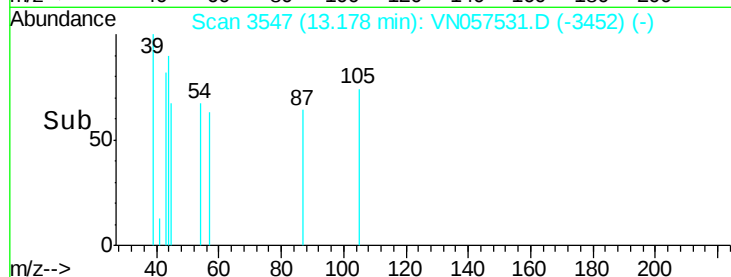
150

100

50

0

Time--> 13.16 13.17 13.18 13.19



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.44 min Scan# 3938

Delta R.T. 0.16 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

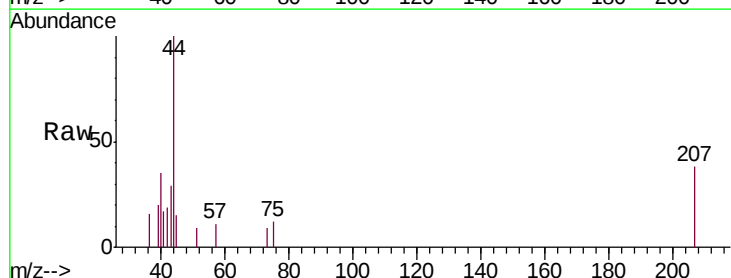
Tgt Ion: 75 Resp: 109

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

157 0.0 43.3 129.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.44

200

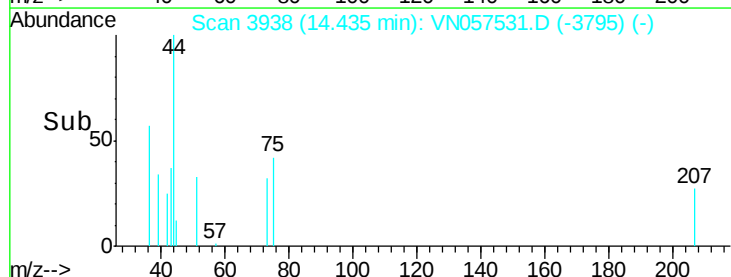
150

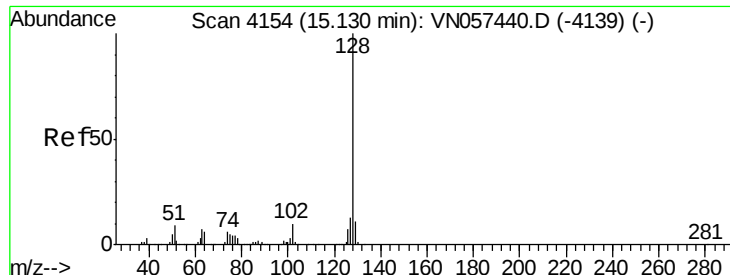
100

50

0

Time--> 14.42 14.43 14.44 14.45





#95

Naphthalene

Concen: 4.398 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

Instrument :

MSVOA_N

ClientSampled :

T9-12-13-K4-(0)

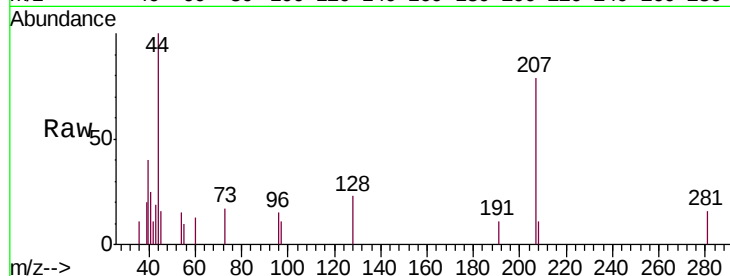
Tgt Ion:128 Resp: 352

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

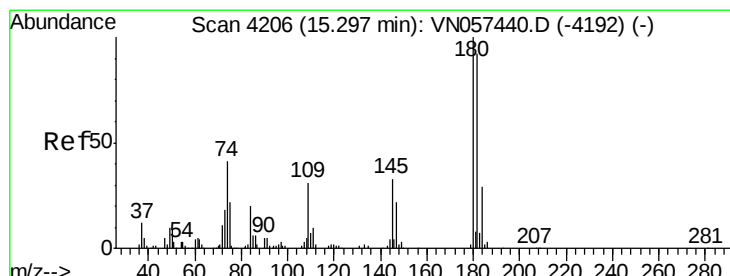
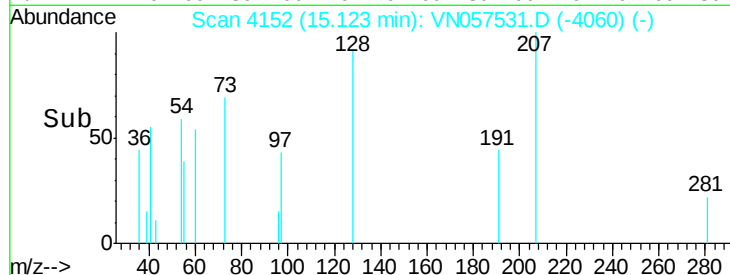
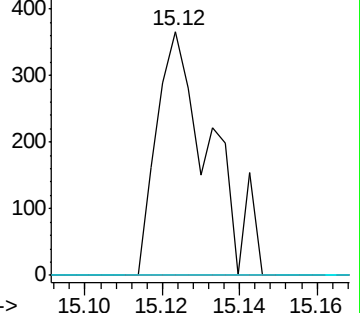
129 0.0 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 5.130 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.02 min

Lab File: VN057531.D

Acq: 27 Aug 2019 00:11

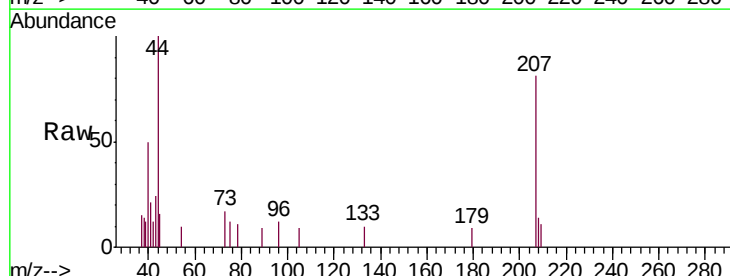
Tgt Ion:180 Resp: 29

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

145 0.0 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

