

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055815.D
 Acq On : 25 May 2019 00:04
 Operator : JC/SP
 Sample : K3040-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0444-FIELD-BLANK-1

Quant Time: May 25 04:32:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	438342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	615952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177683	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	197408	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	
35) Dibromofluoromethane	7.59	113	185588	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	10.09	98	717948	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	221650	43.27	ug/l	0.00
Spiked Amount			Recovery	=	86.54%	

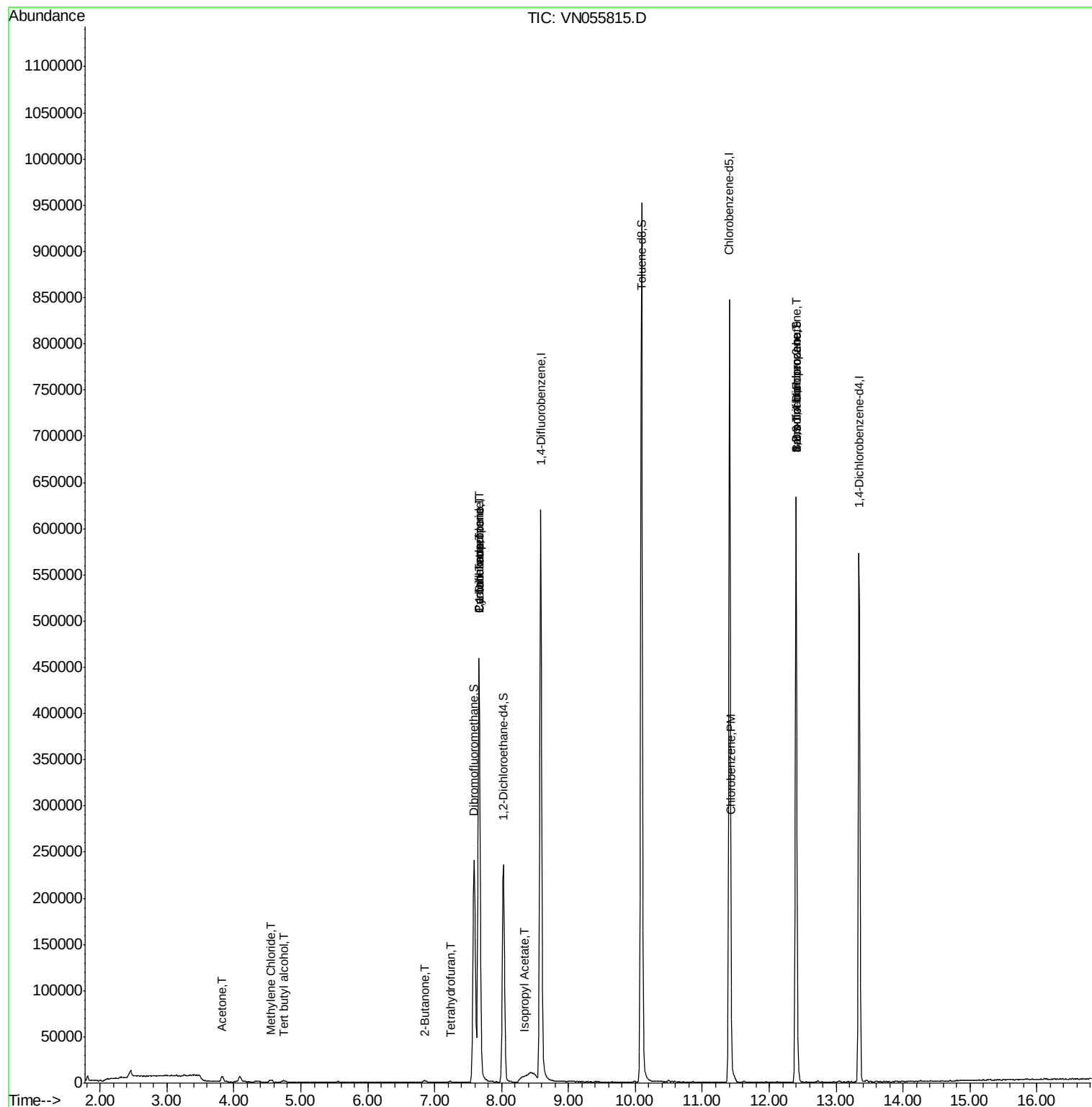
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	500	0.578	ug/l #	74
16) Acetone	3.82	43	10408	5.230	ug/l	100
18) Methyl Acetate	4.33	43	1085	Below Cal	#	77
20) Methylene Chloride	4.54	84	1937	0.449	ug/l	93
25) 2-Butanone	6.86	43	1527	0.549	ug/l #	47
29) Tetrahydrofuran	7.24	42	863	0.490	ug/l #	50
31) Cyclohexane	7.67	56	6078	0.895	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24438	4.553	ug/l #	48
38) Carbon Tetrachloride	7.66	117	34830	6.229	ug/l #	15
43) Isopropyl Acetate	8.33	43	8242	0.946	ug/l #	53
65) Chlorobenzene	11.44	112	2779	0.253	ug/l #	86
71) Bromoform	12.40	173	1670	0.448	ug/l #	1
73) Isopropylbenzene	12.25	105	62	Below Cal	#	48
74) N-amyl acetate	12.07	43	59	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	102750	32.480	ug/l #	100
79) 2-Chlorotoluene	12.60	91	329	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	176	Below Cal	#	53
81) trans-1,4-Dichloro-2-buten	12.40	75	102750	77.806	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	886	Below Cal		79
85) sec-Butylbenzene	13.17	105	198	Below Cal	#	55

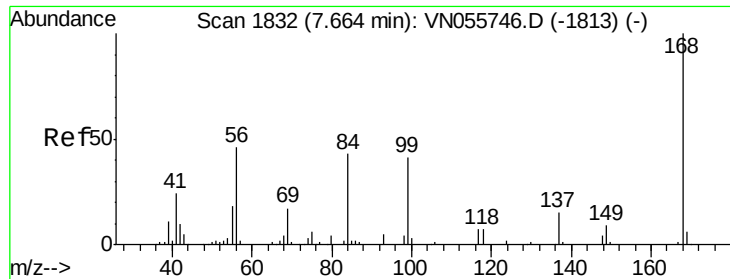
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Instrument :

MSVOA_N

ClientSampleId :

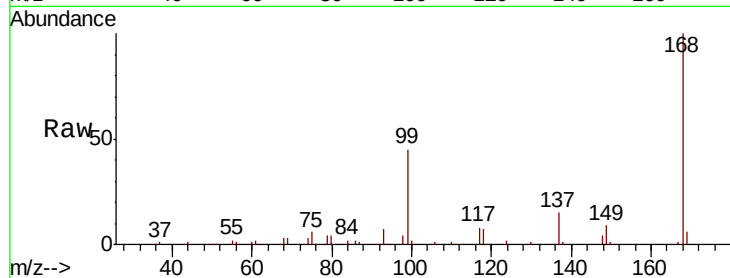
0444-FIELD-BLANK-1

Tot Ion:168 Resp: 438342

Ion Ratio Lower Upper

168 100

99 45.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055815.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055815.D (-1739) (-)

7.66

200000

150000

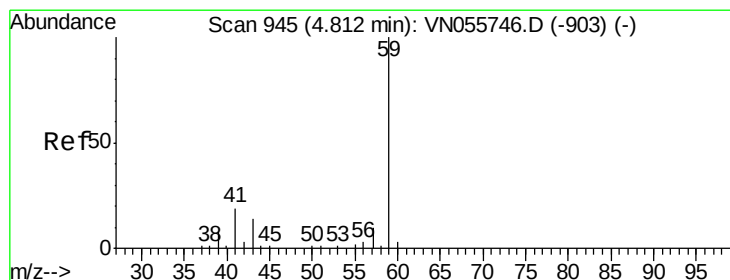
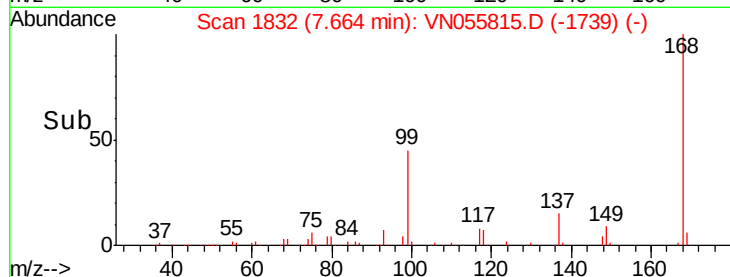
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.578 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.07 min

Lab File: VN055815.D

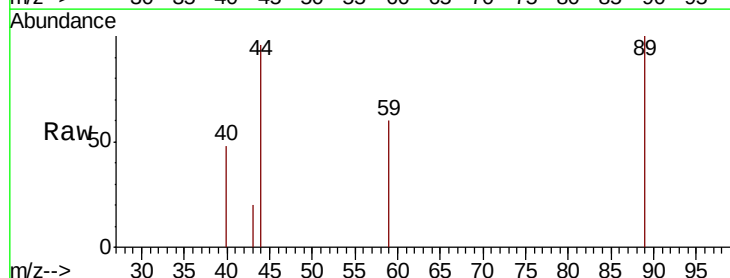
Acq: 25 May 2019 00:04

Tgt Ion: 59 Resp: 500

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055815.D (-852) (-)

Ion 57.00 (56.70 to 57.70): VN055815.D (-852) (-)

4.74

600

500

400

300

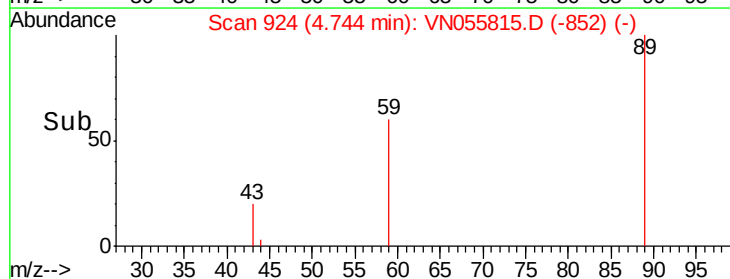
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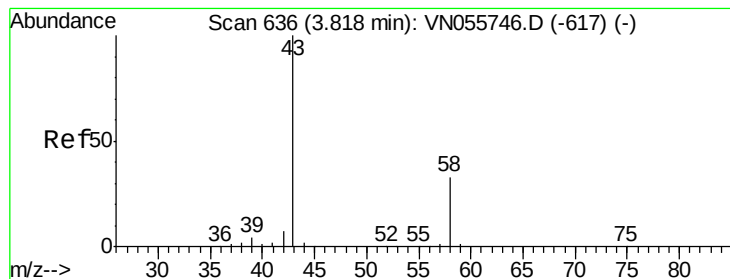
100

0

4.72 4.74 4.76

Time-->





#16

Acetone

Concen: 5.230 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Instrument :

MSVOA_N

ClientSampleId :

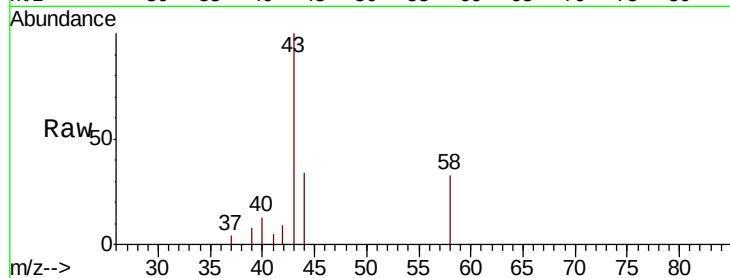
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Tot Ion: 43 Resp: 10408

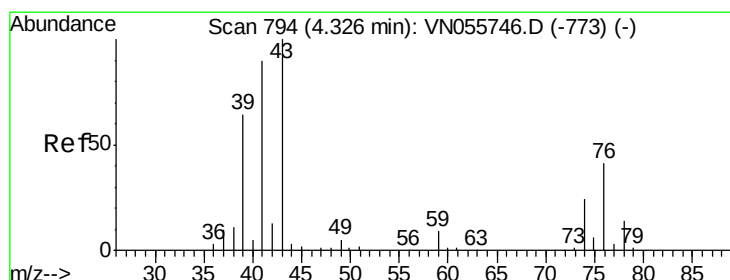
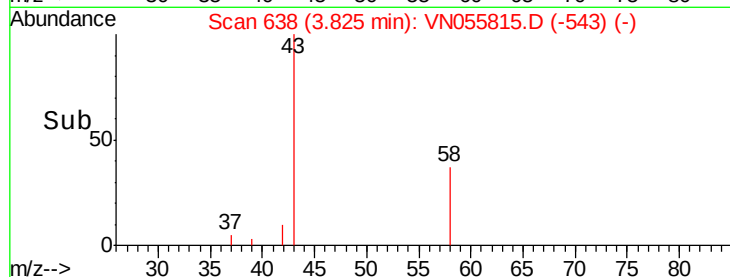
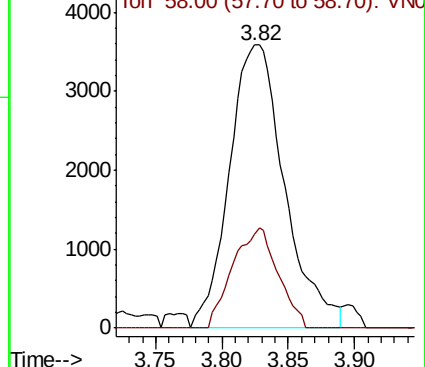
Ion Ratio Lower Upper

43 100

58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055815.D (-543) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055815.D

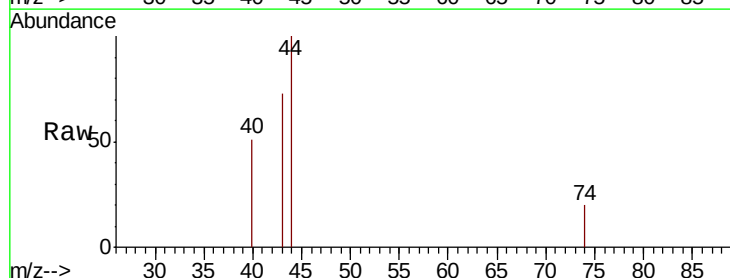
Acq: 25 May 2019 00:04

Tgt Ion: 43 Resp: 1085

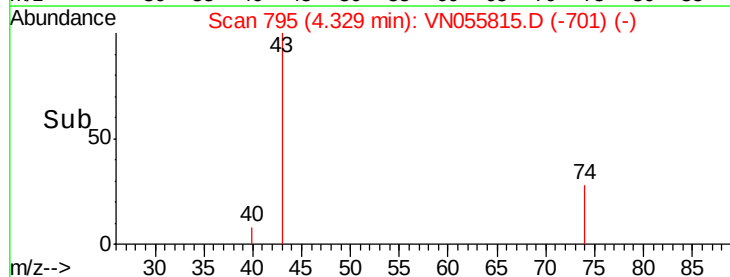
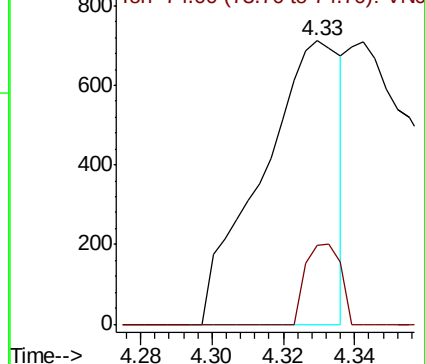
Ion Ratio Lower Upper

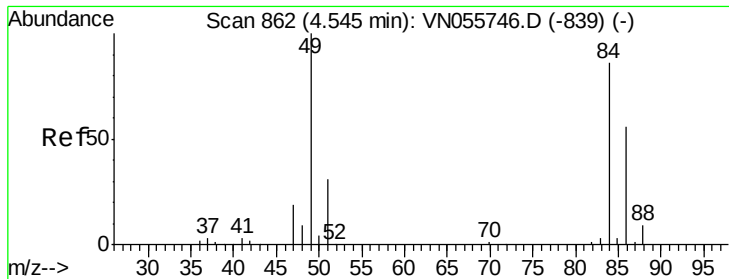
43 100

74 12.6 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN055815.D (-701) (-)

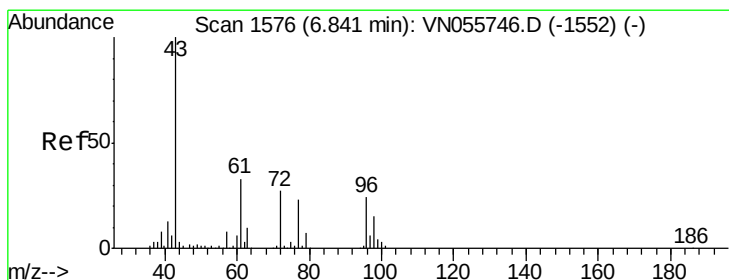
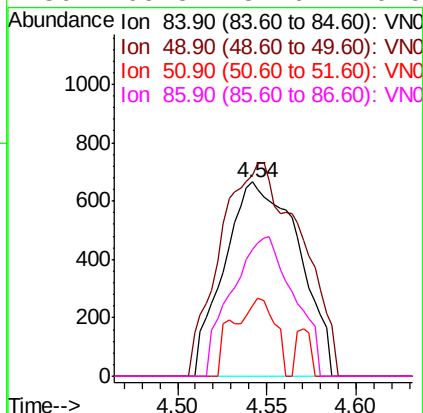
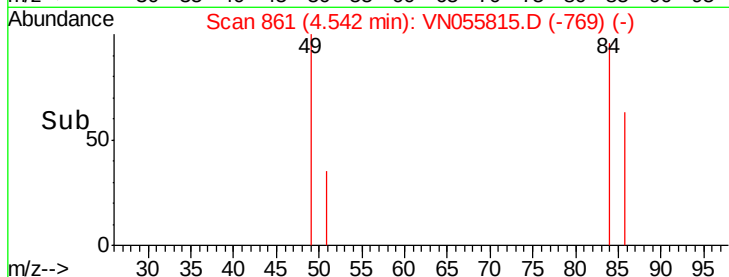
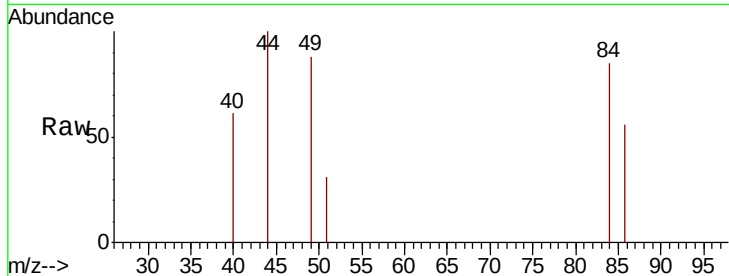




#20
Methvlene Chloride
Concen: 0.449 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055815.D
Acq: 25 May 2019 00:04

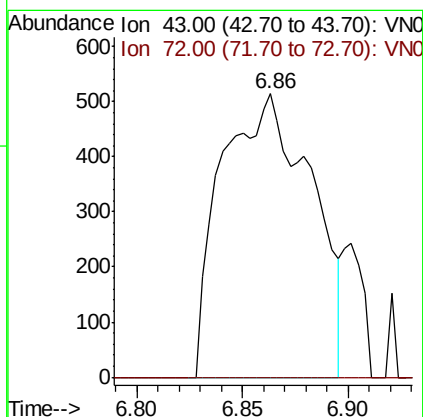
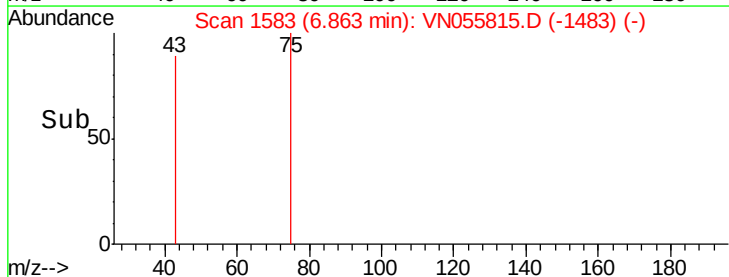
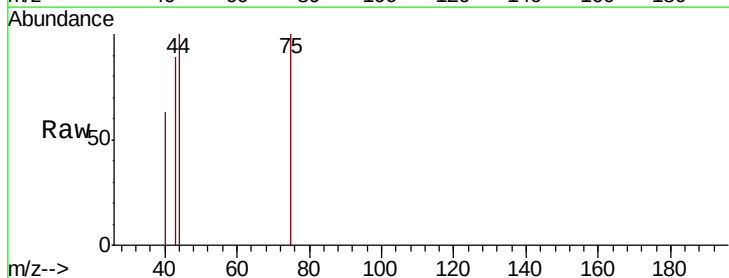
Instrument :
MSVOA_N
ClientSampleId :
0444-FIELD-BLANK-1

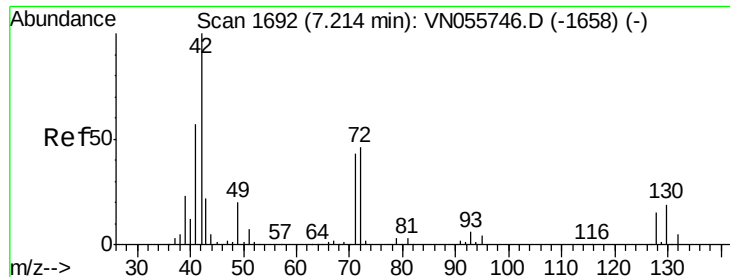
Tot Ion: 84 Resp: 1937
Ion Ratio Lower Upper
84 100
49 103.8 93.5 140.3
51 36.2 28.6 43.0
86 65.3 52.6 79.0



#25
2-Butanone
Concen: 0.549 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN055815.D
Acq: 25 May 2019 00:04

Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#





#29

Tetrahydrofuran

Concen: 0.490 ug/l

RT: 7.24 min Scan# 1700

Delta R.T. 0.03 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Instrument :

MSVOA_N

ClientSampleId :

0444-FIELD-BLANK-1

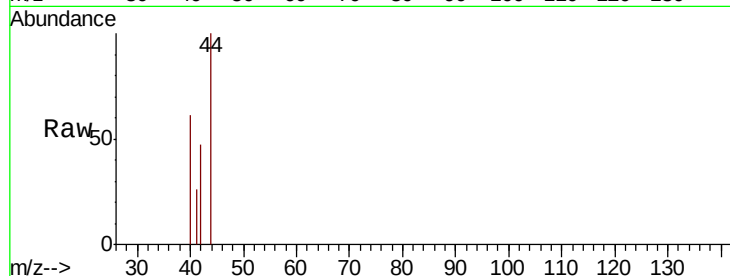
Tot Ion: 42 Resp: 863

Ion Ratio Lower Upper

42 100

72 12.4 35.9 53.9#

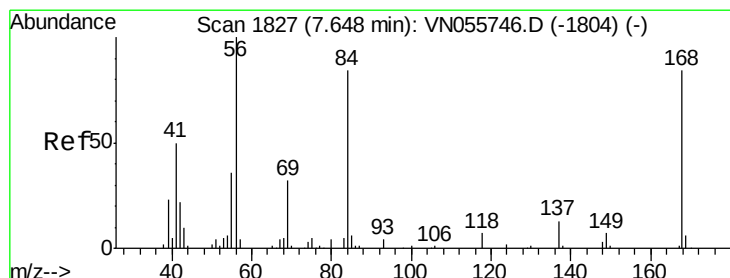
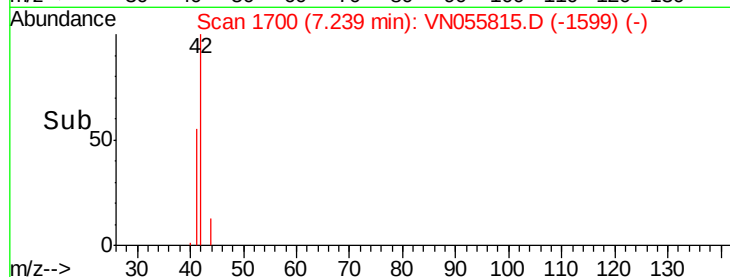
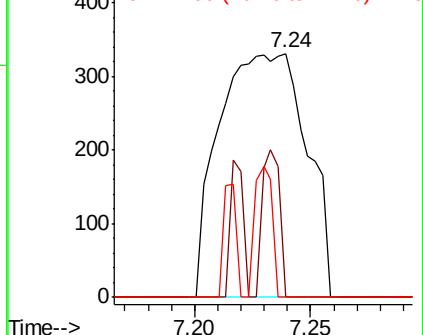
71 11.1 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.895 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

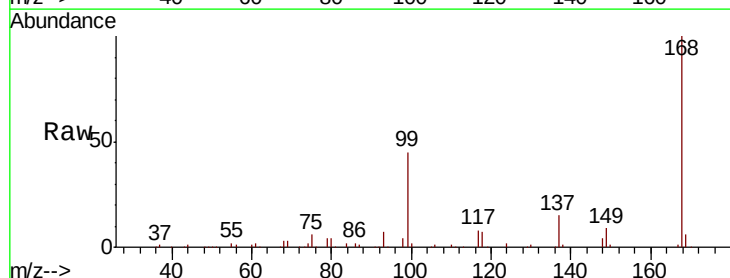
Tgt Ion: 56 Resp: 6078

Ion Ratio Lower Upper

56 100

69 192.0 25.6 38.4#

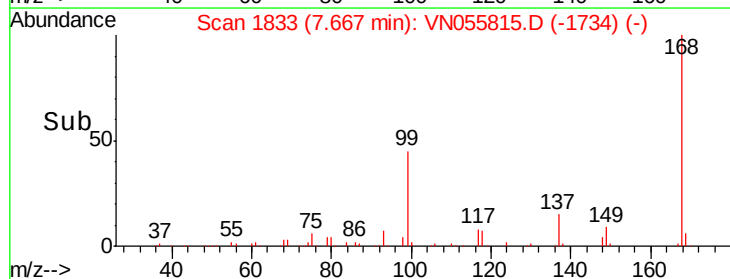
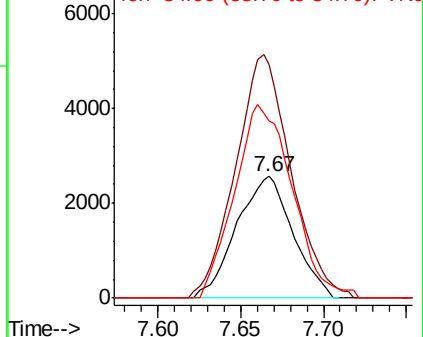
84 146.2 67.4 101.0#

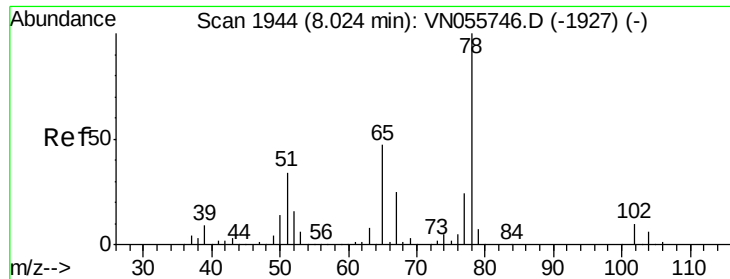


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

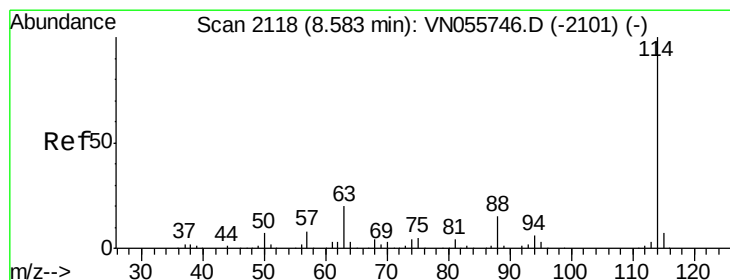
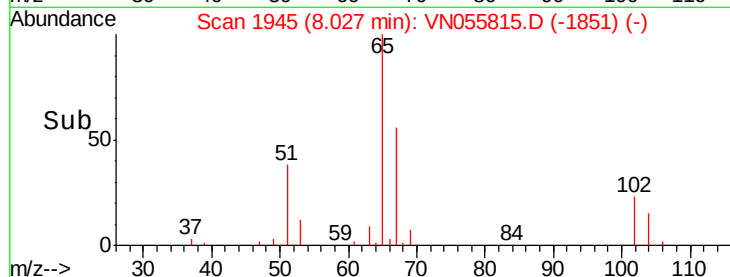
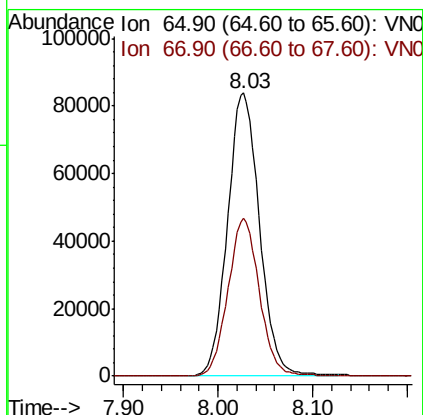
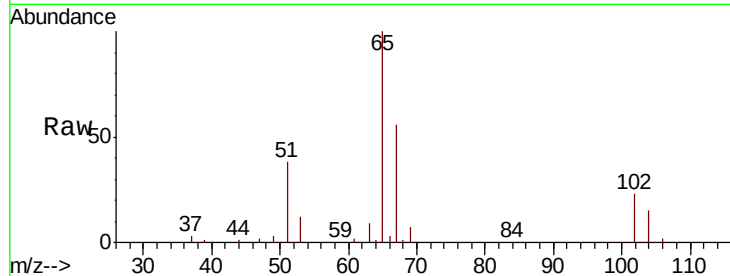




#33
 1,2-Dichloroethane-d4
 Concen: 43.608 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

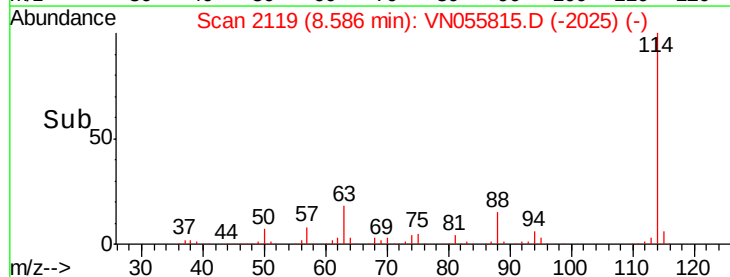
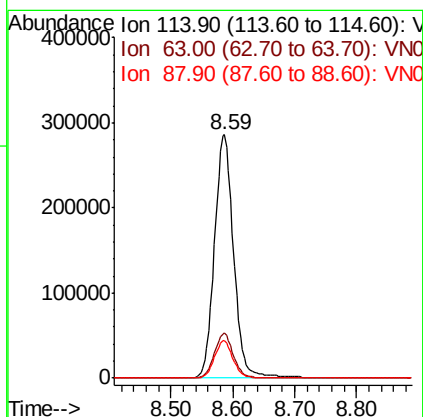
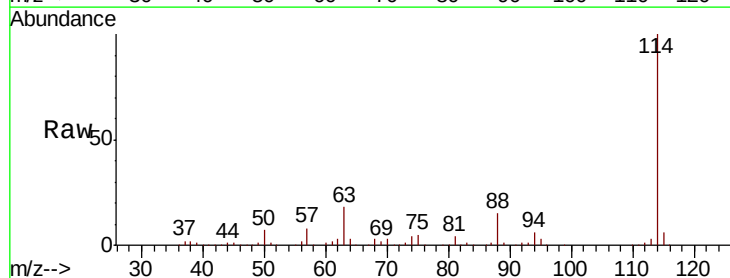
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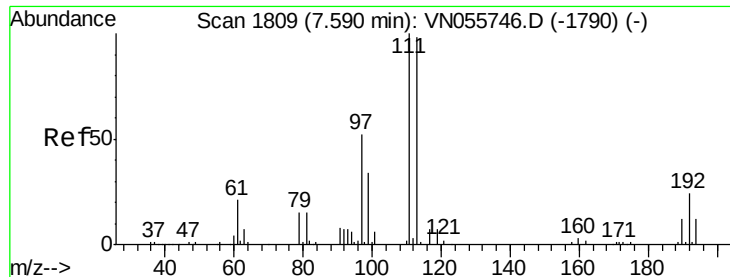
Tot Ion: 65 Resp: 197408
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

Tgt Ion: 114 Resp: 615952
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 15.2 0.0 31.0

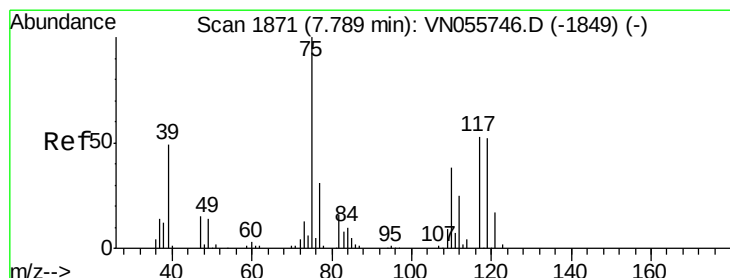
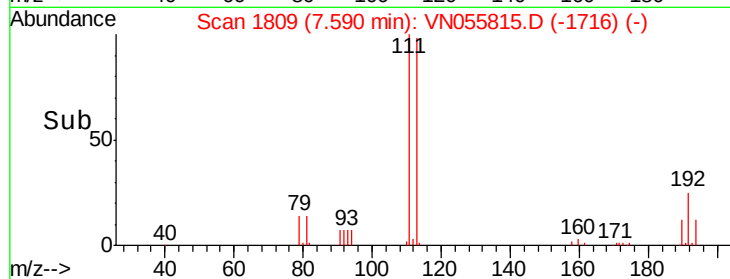
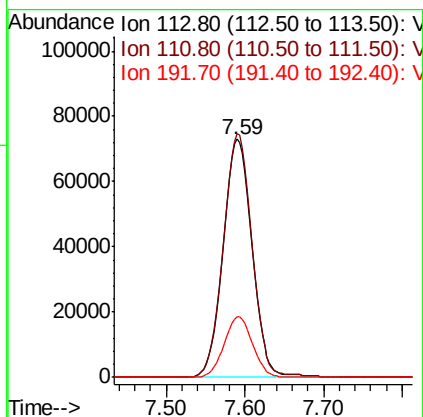
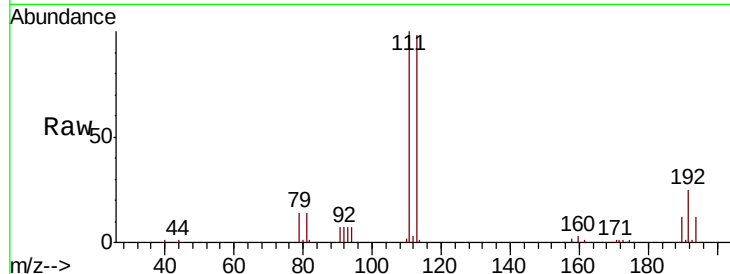




#35
 Dibromofluoromethane
 Concen: 47.657 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

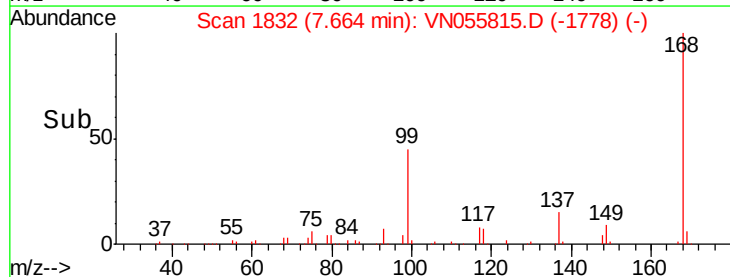
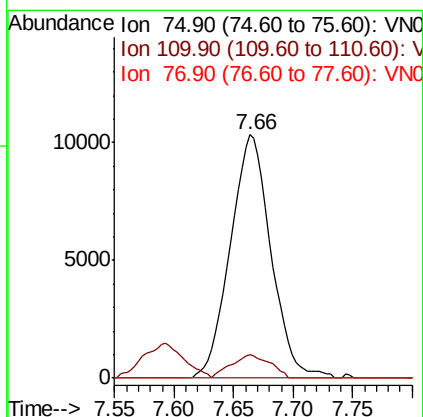
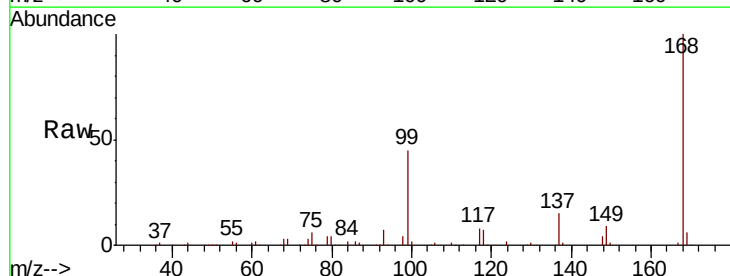
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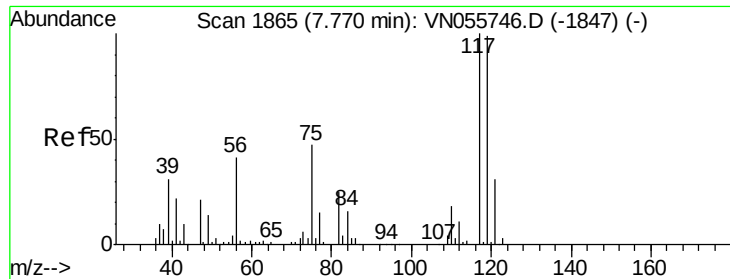
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	24.9	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.0	57.0#
77	0.0	25.1	37.7#

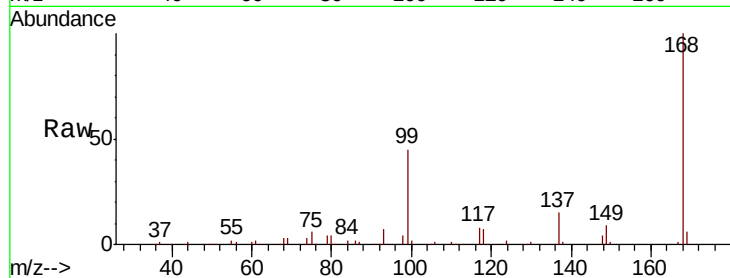




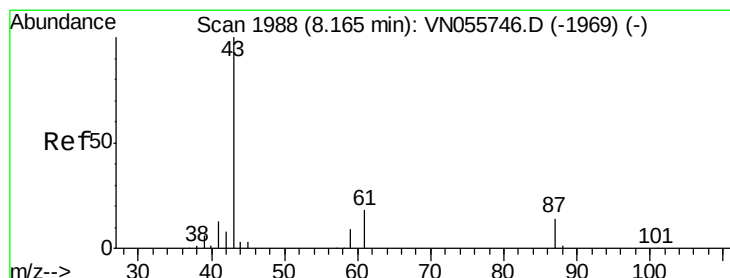
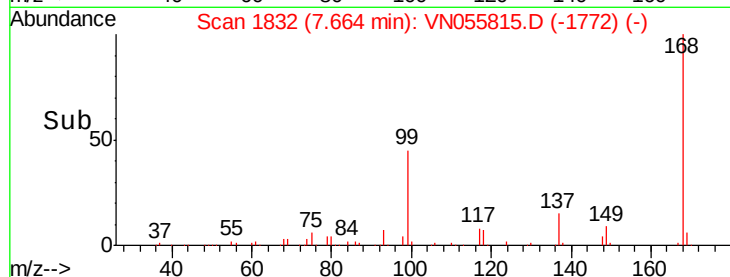
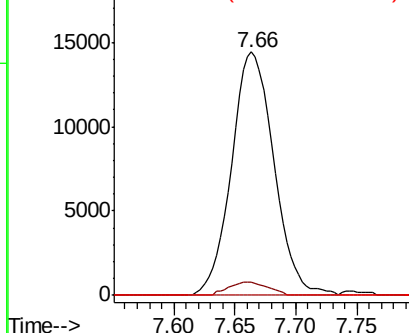
#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055815.D
Acq: 25 May 2019 00:04

Instrument :
MSVOA_N
ClientSampleId :
0444-FIELD-BLANK-1

Tot Ion:117 Resp: 34830
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.6#
121 0.0 24.7 37.1#

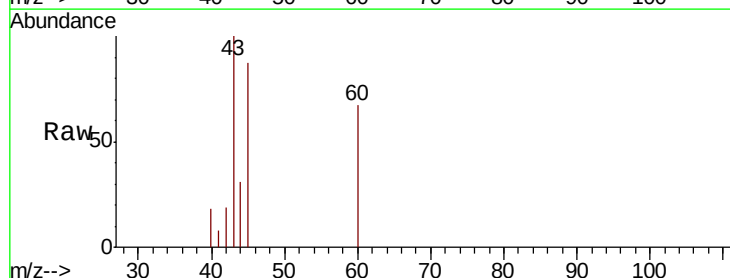


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

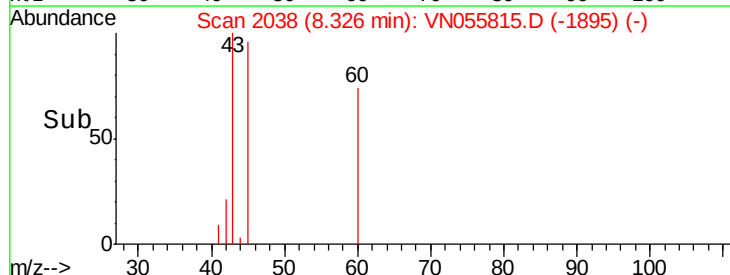
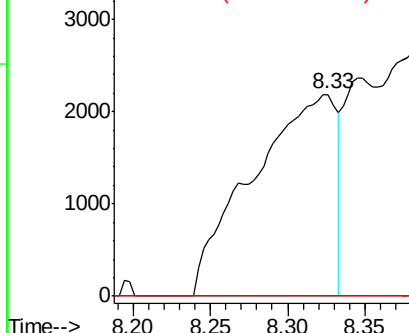


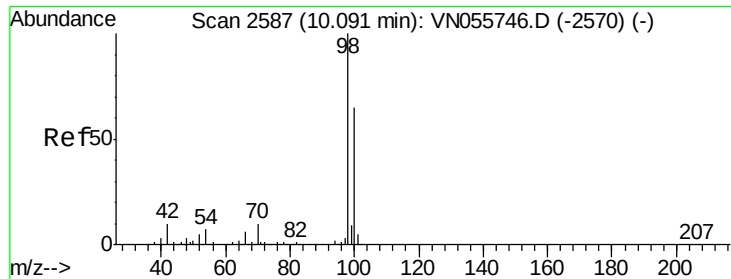
#43
Isopropyl Acetate
Concen: 0.946 ug/l
RT: 8.33 min Scan# 2038
Delta R.T. 0.16 min
Lab File: VN055815.D
Acq: 25 May 2019 00:04

Tgt Ion: 43 Resp: 8242
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.062 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Instrument :

MSVOA_N

ClientSampleId :

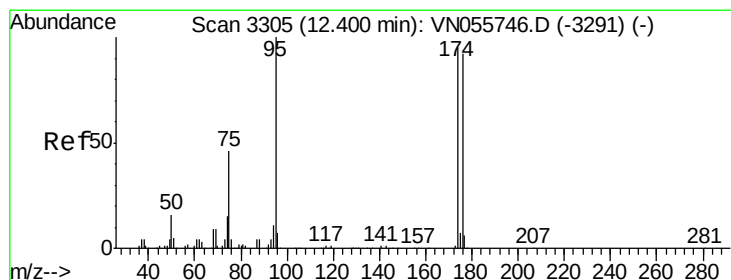
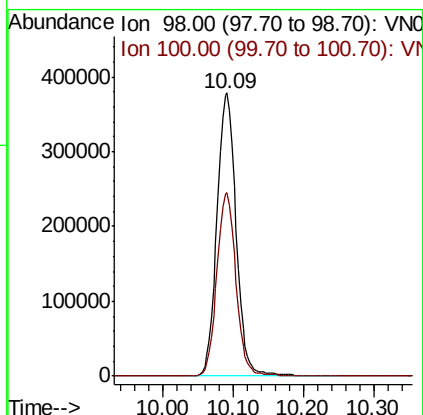
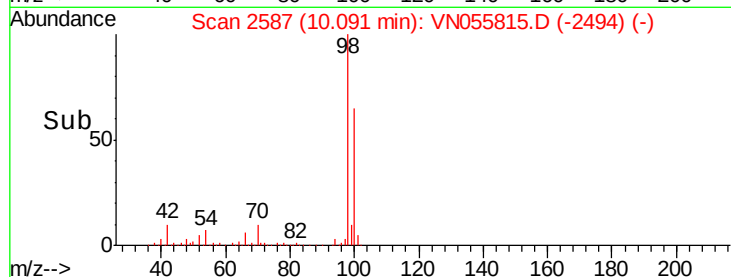
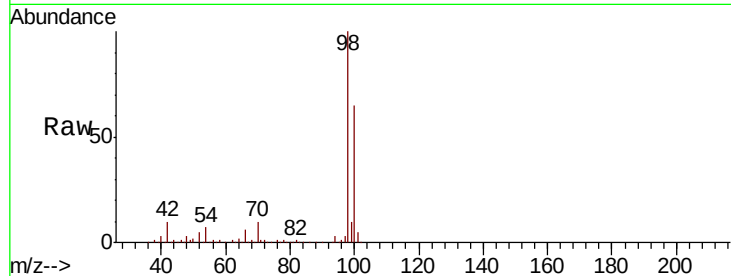
0444-FIELD-BLANK-1

Tot Ion: 98 Resp: 717948

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 43.273 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

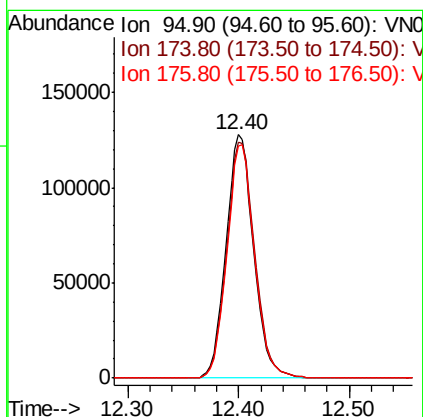
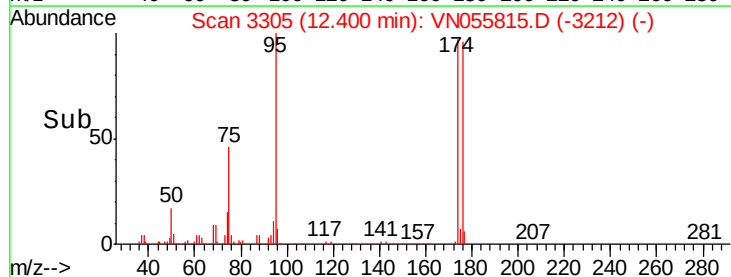
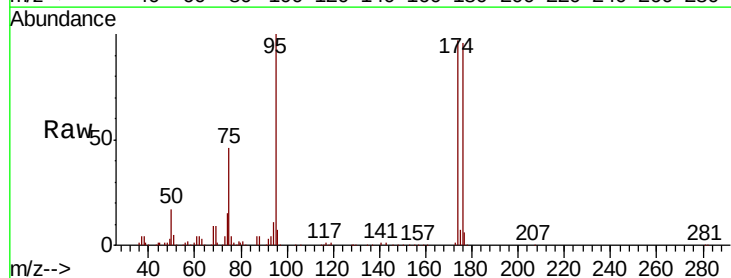
Tgt Ion: 95 Resp: 221650

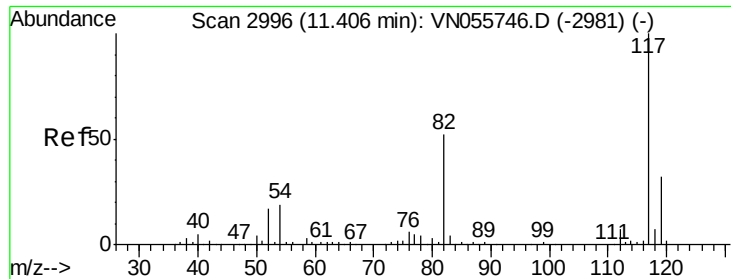
Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

176 95.7 0.0 185.2

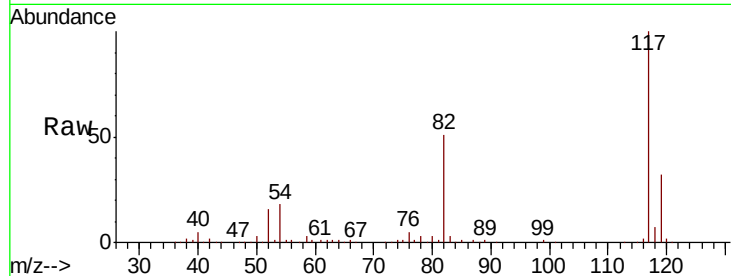




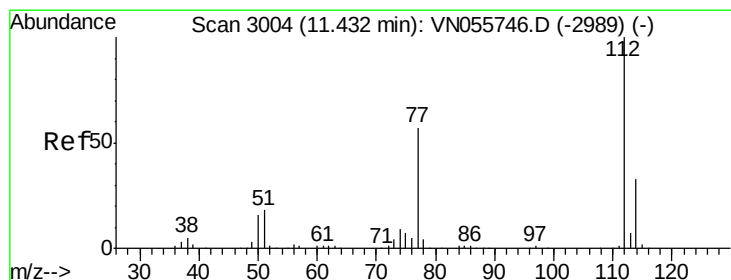
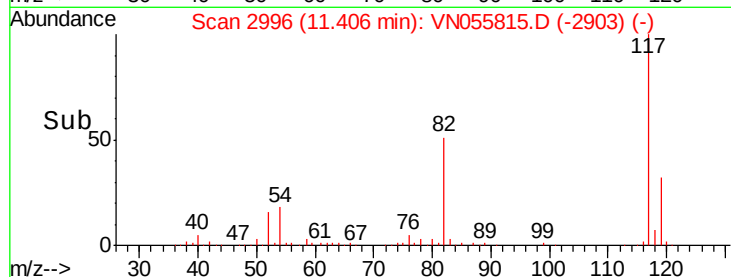
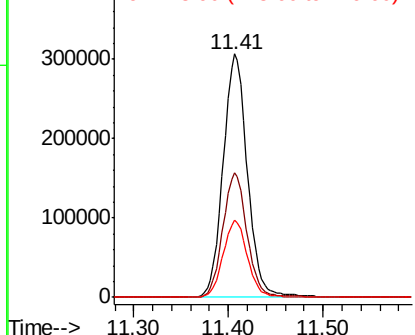
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055815.D
Acq: 25 May 2019 00:04

Instrument :
MSVOA_N
ClientSampleId :
0444-FIELD-BLANK-1

Tot Ion:117 Resp: 547758
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 31.6 25.4 38.0

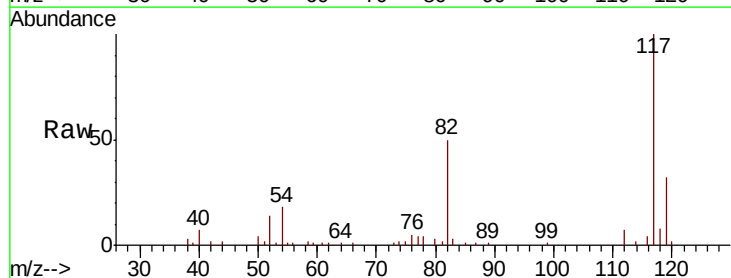


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

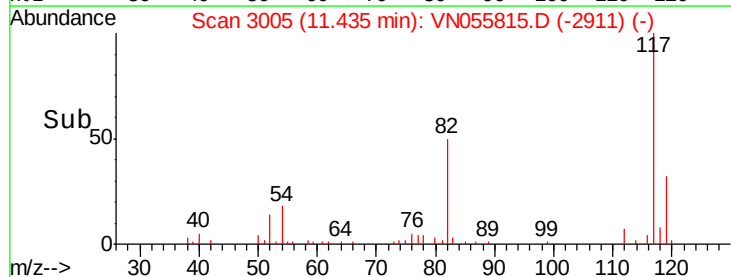
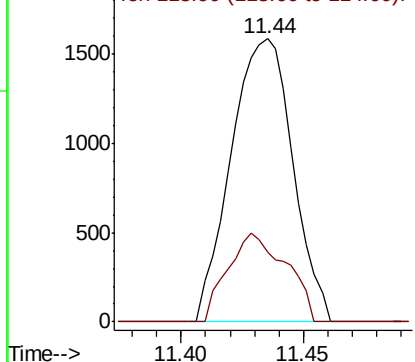


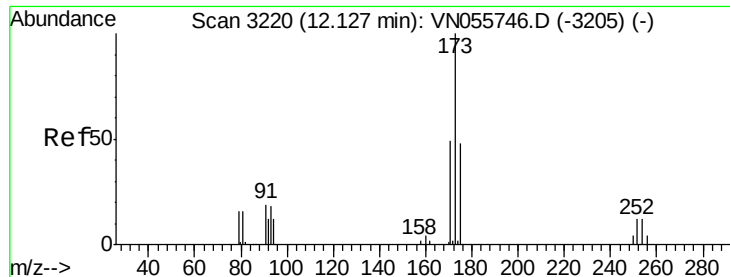
#65
Chlorobenzene
Concen: 0.253 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055815.D
Acq: 25 May 2019 00:04

Tgt Ion:112 Resp: 2779
Ion Ratio Lower Upper
112 100
114 24.7 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.448 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Instrument :

MSVOA_N

ClientSampleId :

0444-FIELD-BLANK-1

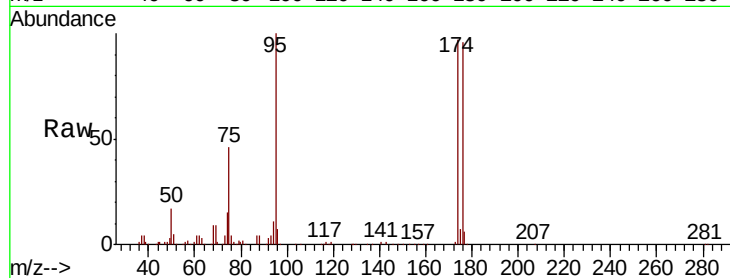
Tot Ion:173 Resp: 1670

Ion Ratio Lower Upper

173 100

175 817.0 24.3 72.8#

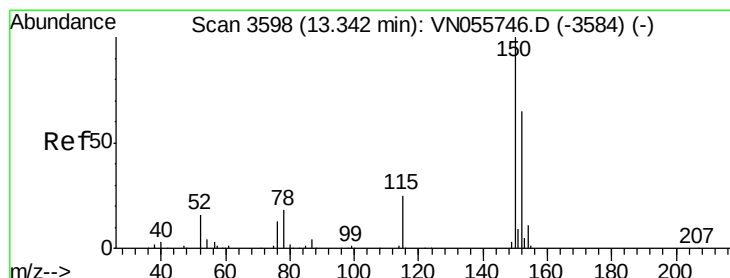
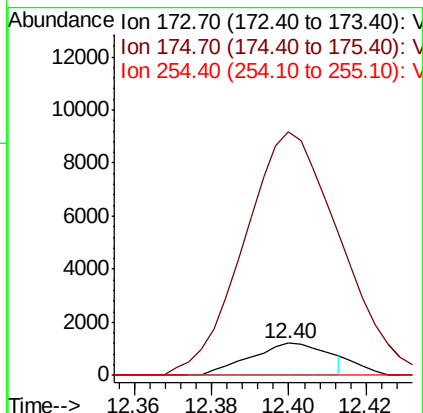
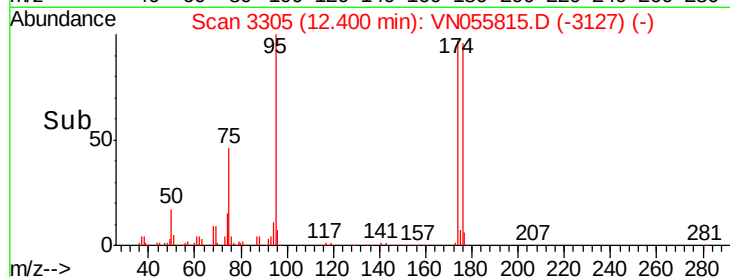
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

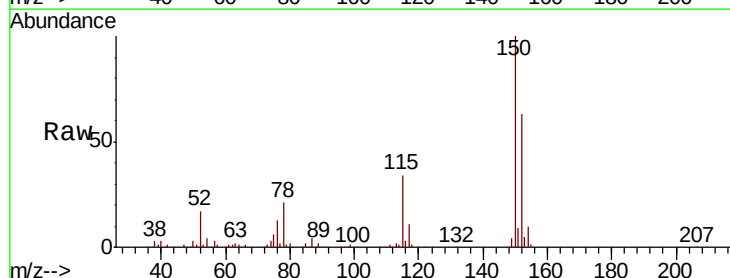
Tgt Ion:152 Resp: 177683

Ion Ratio Lower Upper

152 100

115 53.1 27.0 81.0

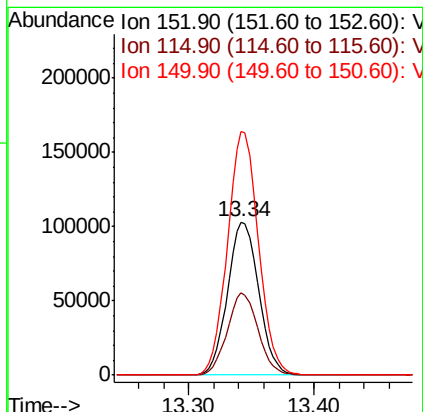
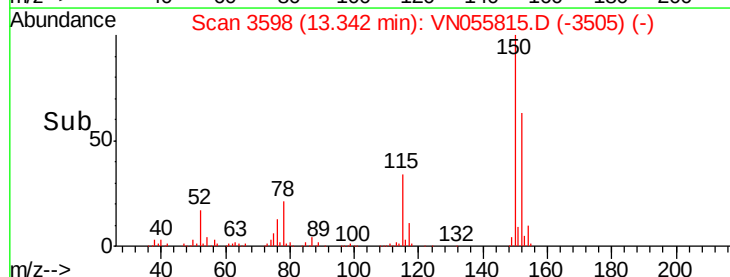
150 157.6 0.0 343.2

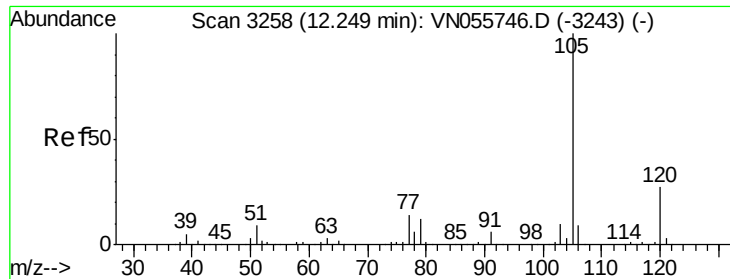


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Instrument :

MSVOA_N

ClientSampleId :

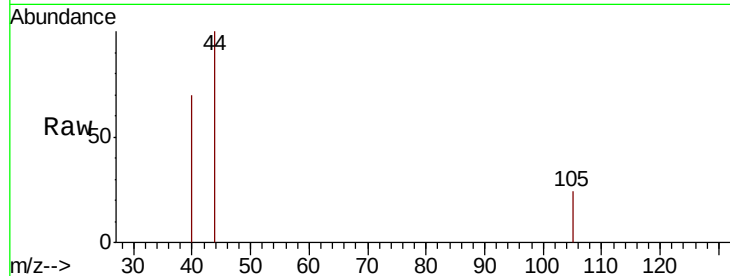
0444-FIELD-BLANK-1

Tot Ion:105 Resp: 62

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

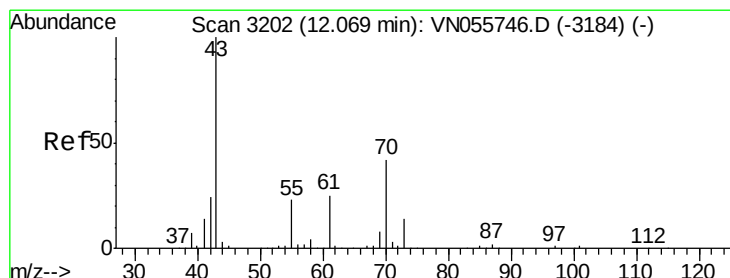
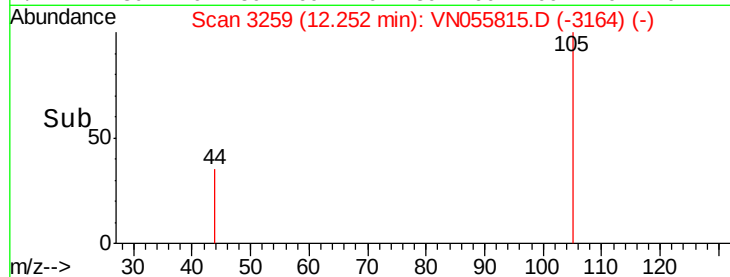
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Tgt Ion: 43 Resp: 59

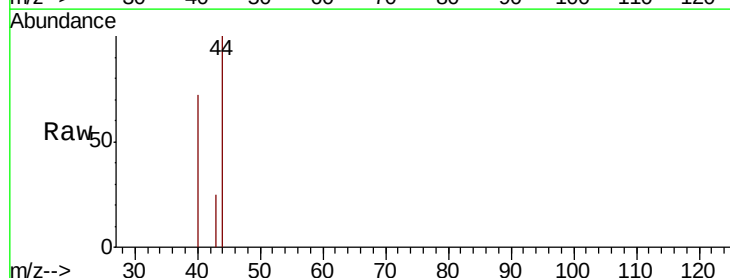
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

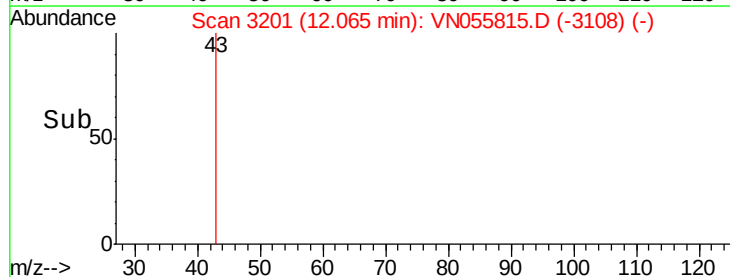
150

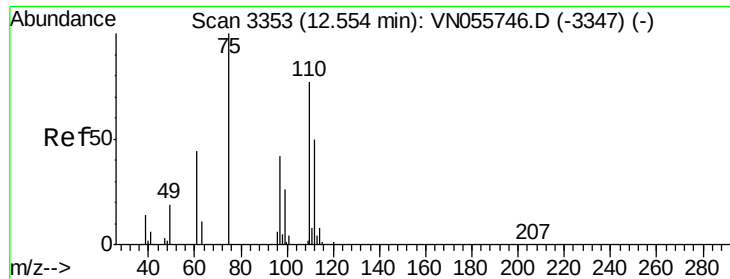
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 32.480 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055815.D

Acq: 25 May 2019 00:04

Instrument :

MSVOA_N

ClientSampleId :

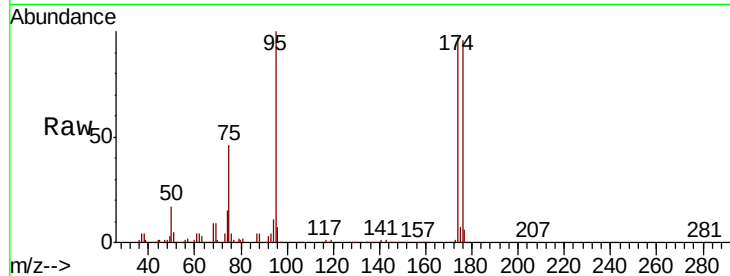
0444-FIELD-BLANK-1

Tot Ion: 75 Resp: 102750

Ion Ratio Lower Upper

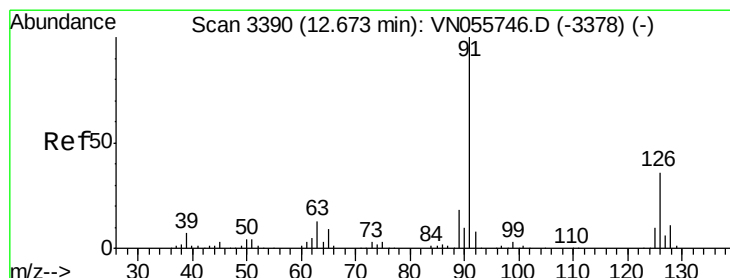
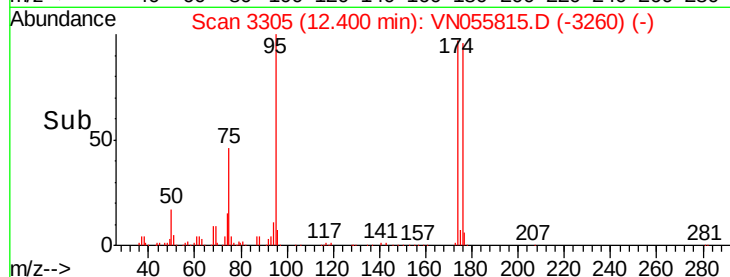
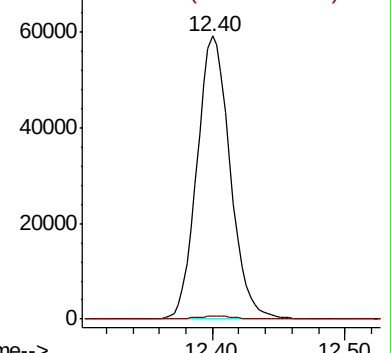
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN055815.D

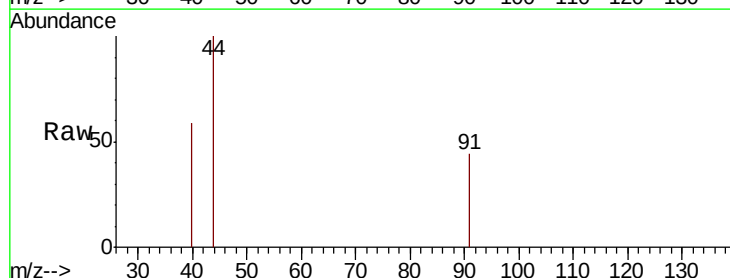
Acq: 25 May 2019 00:04

Tgt Ion: 91 Resp: 329

Ion Ratio Lower Upper

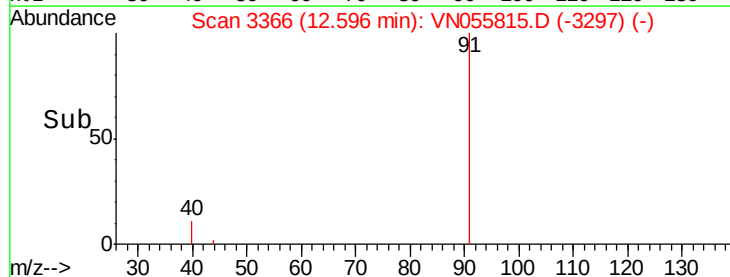
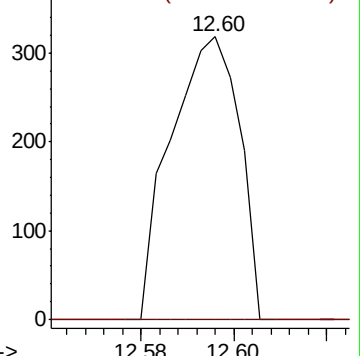
91 100

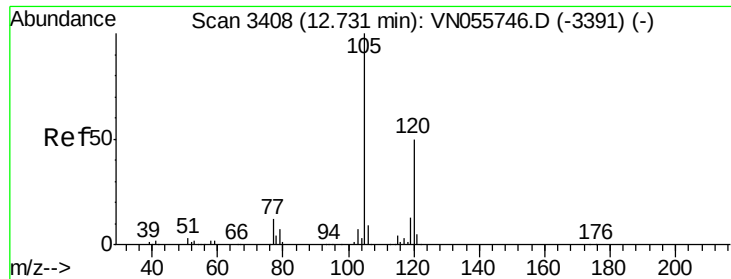
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

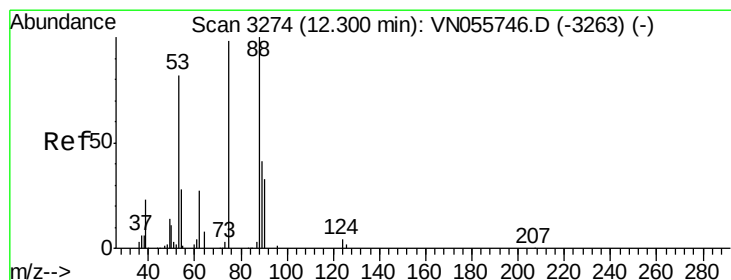
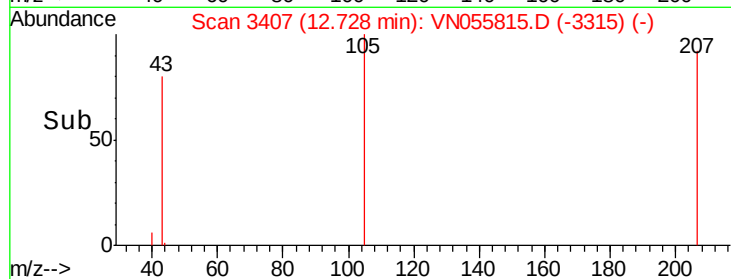
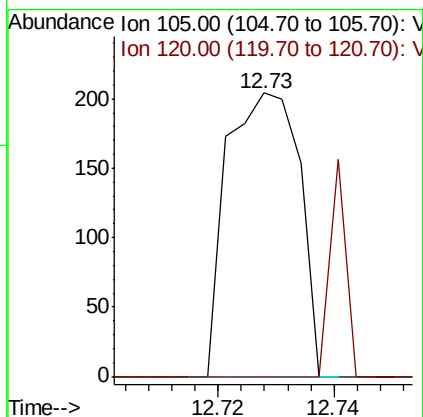
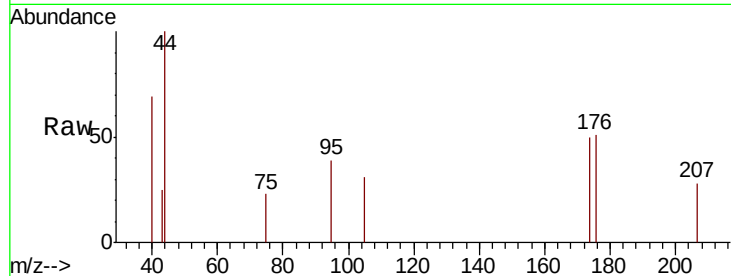




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

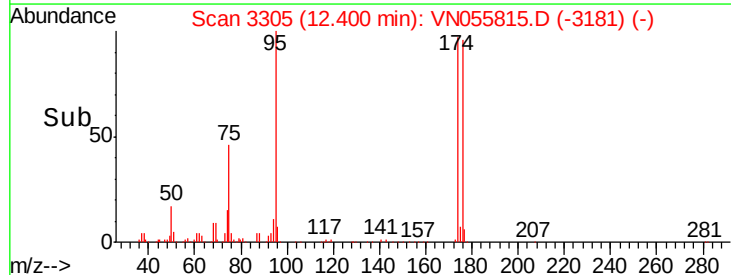
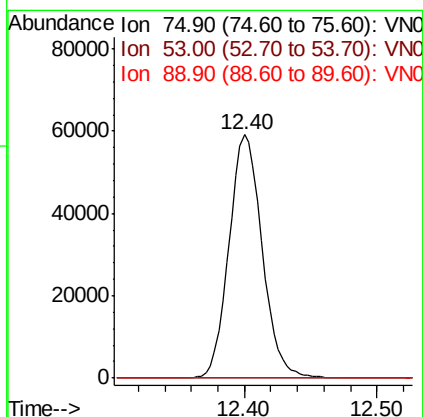
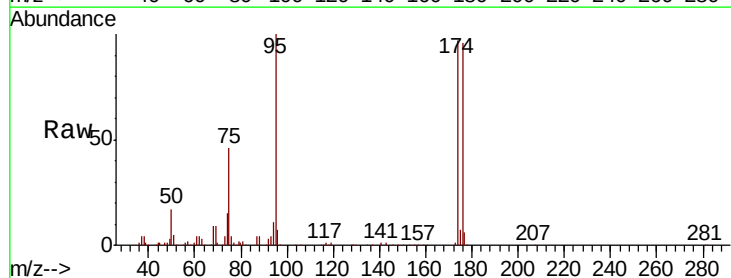
Instrument :
 MSVOA_N
 ClientSampleId :
 0444-FIELD-BLANK-1

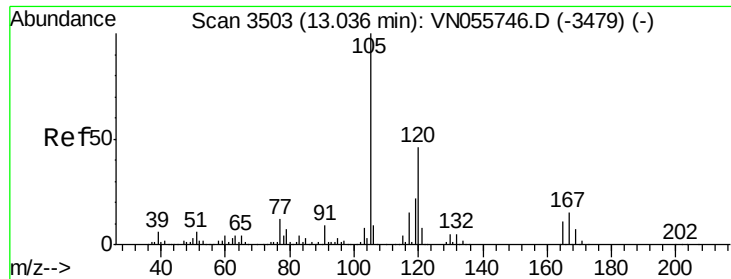
Tot Ion: 105 Resp: 176
 Ion Ratio Lower Upper
 105 100
 120 17.0 24.7 74.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.806 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

Tgt Ion: 75 Resp: 102750
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

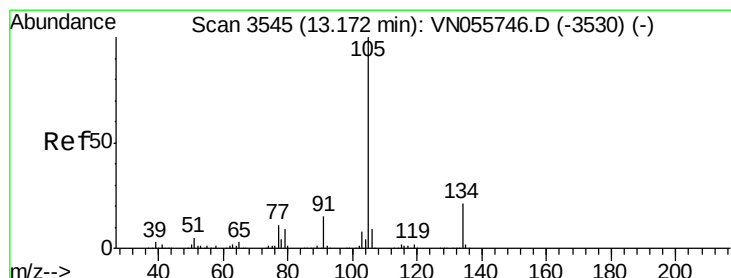
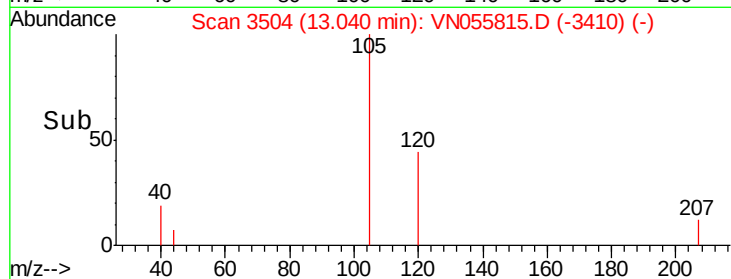
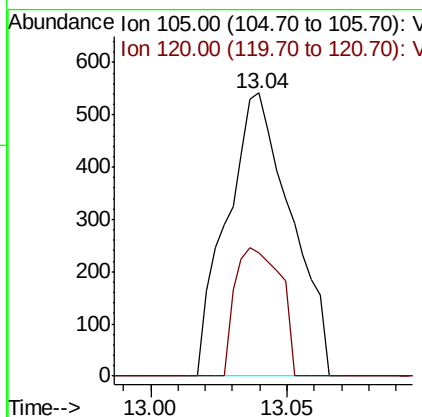
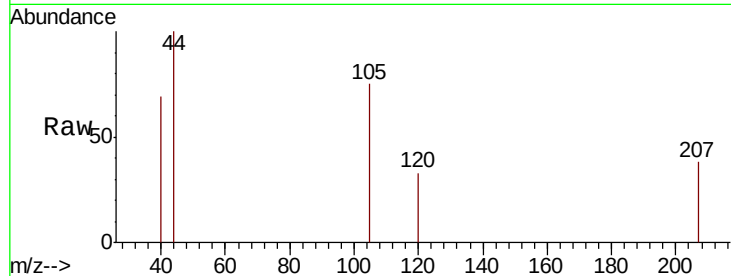




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 0444-FIELD-BLANK-1

Tot Ion:105 Resp: 886
 Ion Ratio Lower Upper
 105 100
 120 32.2 23.0 69.0



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055815.D
 Acq: 25 May 2019 00:04

Tgt Ion:105 Resp: 198
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

