

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055816.D
 Acq On : 25 May 2019 00:29
 Operator : JC/SP
 Sample : K3040-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0445-FIELD-BLANK-2

Quant Time: May 25 04:32:47 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	452545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	629668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198470	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	204045	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	
35) Dibromofluoromethane	7.59	113	189238	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.09	98	747798	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	238803	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

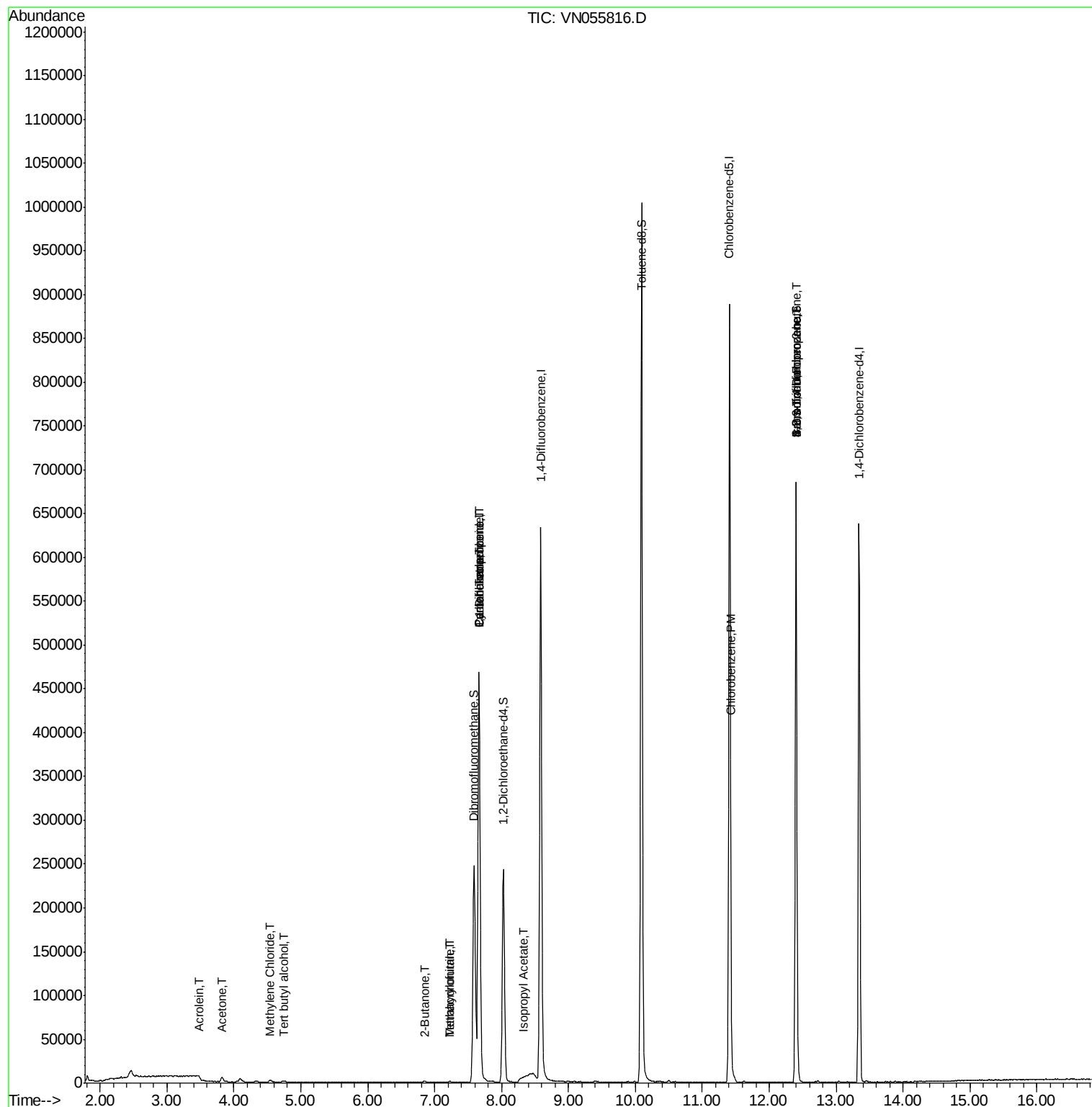
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	1211	1.356	ug/l #	74
13) Acrolein	3.48	56	171	0.267	ug/l #	75
16) Acetone	3.82	43	9143	4.450	ug/l	97
18) Methyl Acetate	4.33	43	2597	Below Cal	#	67
20) Methylene Chloride	4.54	84	1489	0.335	ug/l	94
25) 2-Butanone	6.86	43	1749	0.610	ug/l #	47
29) Tetrahydrofuran	7.23	42	955	0.526	ug/l #	57
31) Cyclohexane	7.67	56	6349	0.905	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24680	4.498	ug/l #	48
38) Carbon Tetrachloride	7.66	117	35406	6.194	ug/l #	15
41) Methacrylonitrile	7.23	41	547	0.204	ug/l #	19
43) Isopropyl Acetate	8.32	43	7207	0.809	ug/l #	53
65) Chlorobenzene	11.43	112	2779	0.242	ug/l	88
71) Bromoform	12.40	173	1813	0.464	ug/l #	1
73) Isopropylbenzene	12.25	105	59	Below Cal	#	48
74) N-amyl acetate	12.07	43	94	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	110078	31.015	ug/l #	100
79) 2-Chlorotoluene	12.59	91	375	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	240	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	110078	74.625	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	697	Below Cal		65
85) sec-Butylbenzene	13.17	105	211	Below Cal	#	55

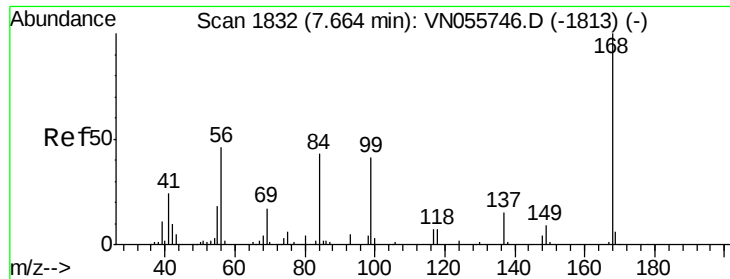
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

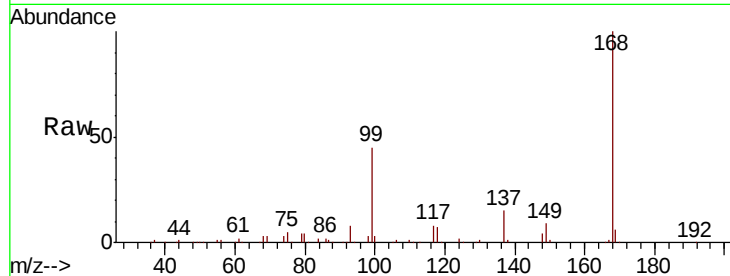
0445-FIELD-BLANK-2

Tot Ion:168 Resp: 452545

Ion Ratio Lower Upper

168 100

99 45.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

200000

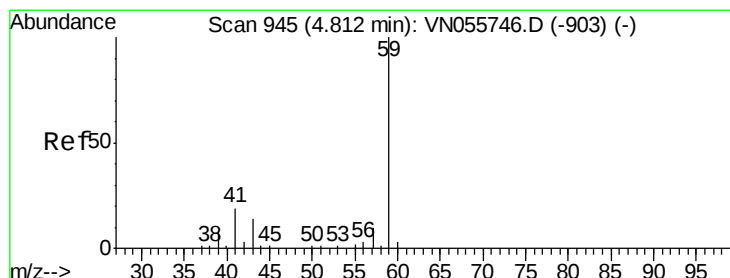
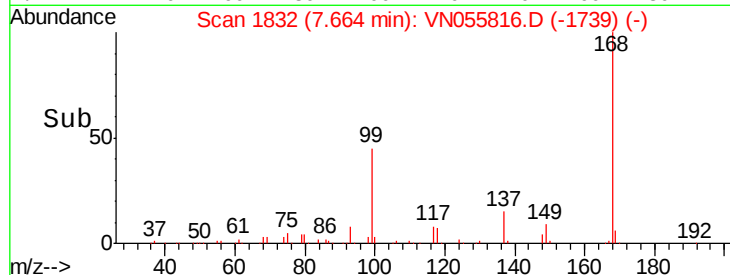
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 1.356 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.07 min

Lab File: VN055816.D

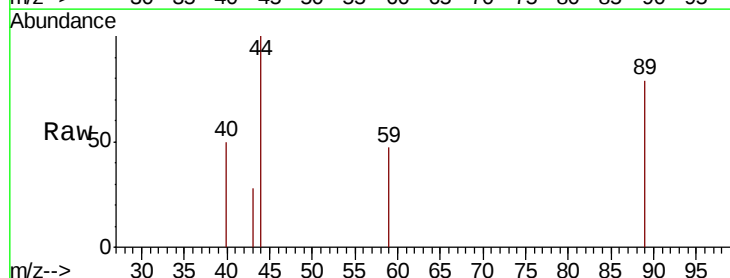
Acq: 25 May 2019 00:29

Tgt Ion: 59 Resp: 1211

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

400

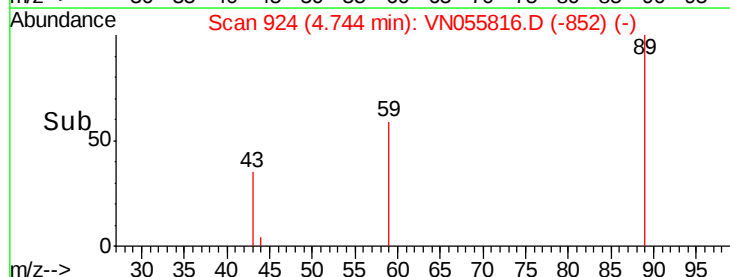
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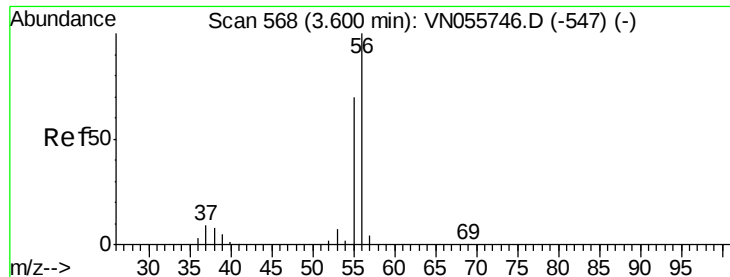
200

100

0

Time--> 4.70 4.75 4.80





#13

Acrolein

Concen: 0.267 ug/l

RT: 3.48 min Scan# 531

Delta R.T. -0.12 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

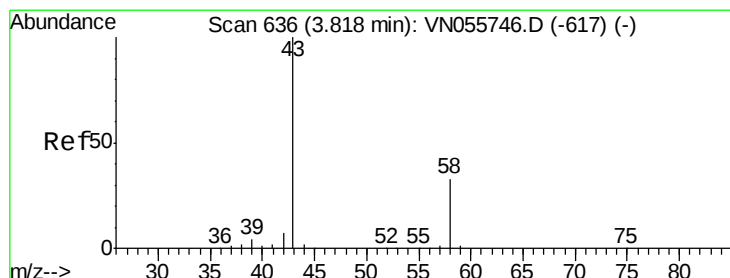
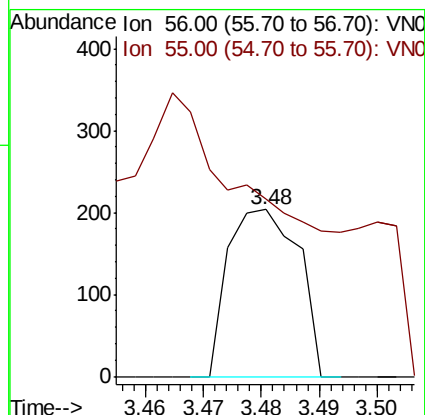
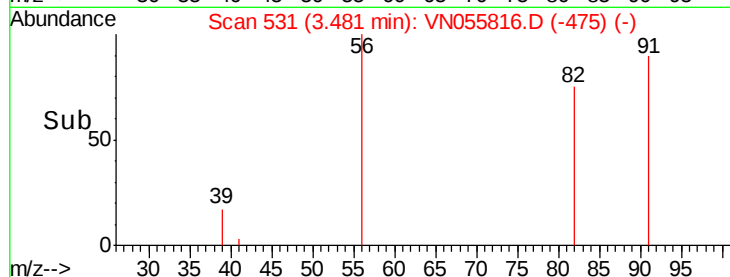
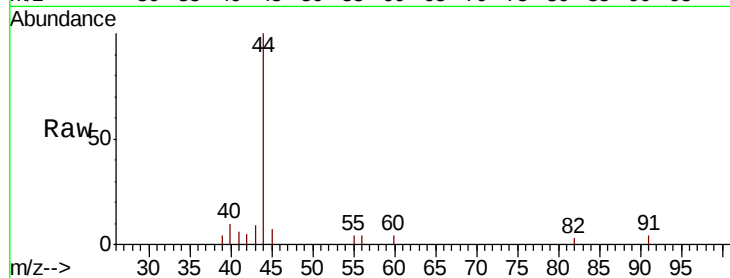
0445-FIELD-BLANK-2

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 89.5 55.4 83.2#



#16

Acetone

Concen: 4.450 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055816.D

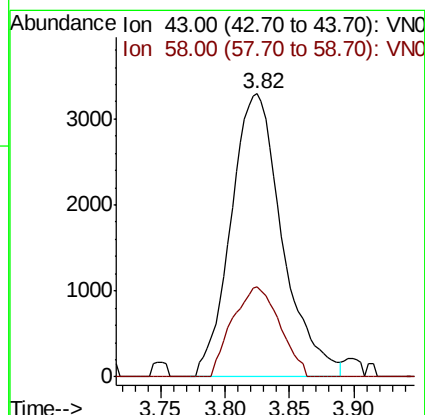
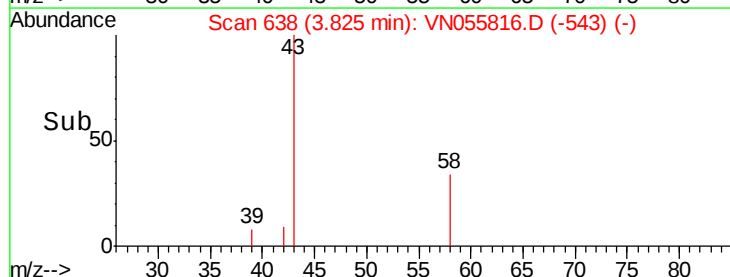
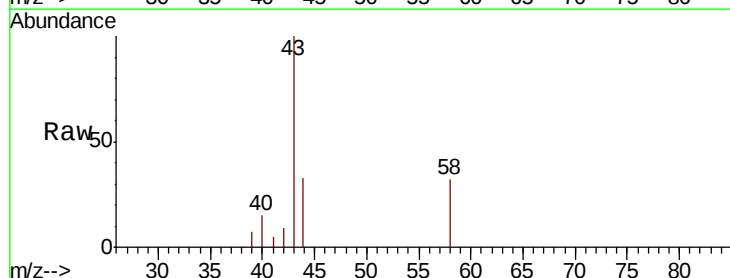
Acq: 25 May 2019 00:29

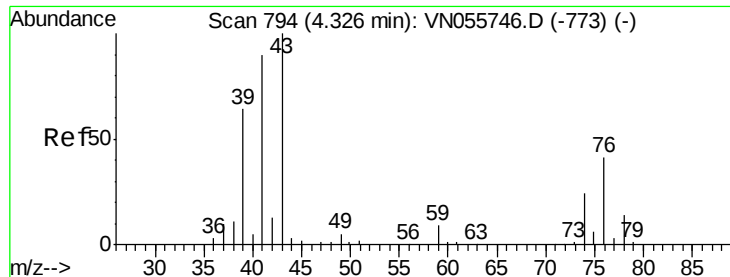
Tgt Ion: 43 Resp: 9143

Ion Ratio Lower Upper

43 100

58 31.7 26.6 39.8

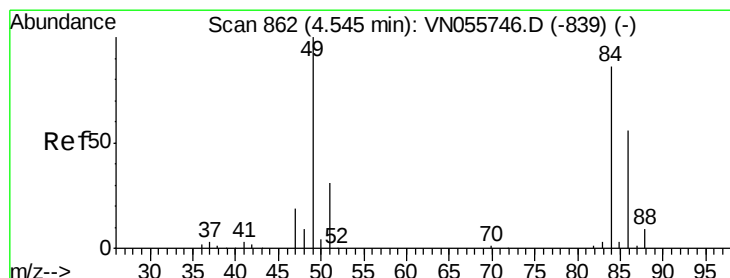
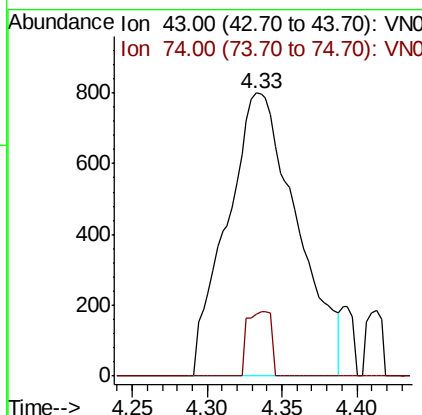
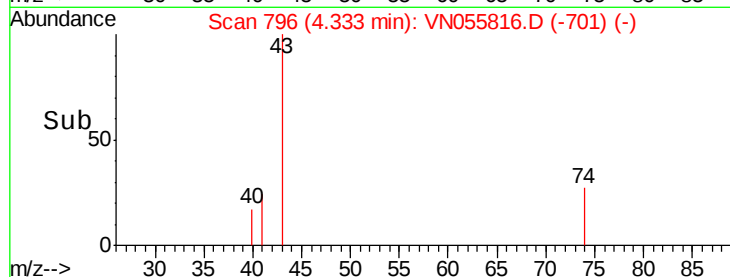
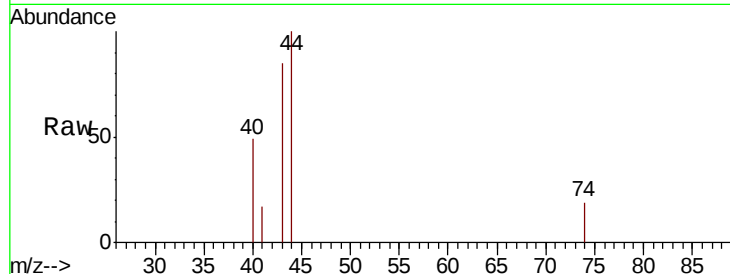




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

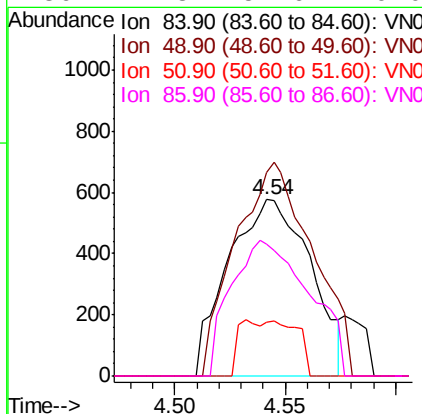
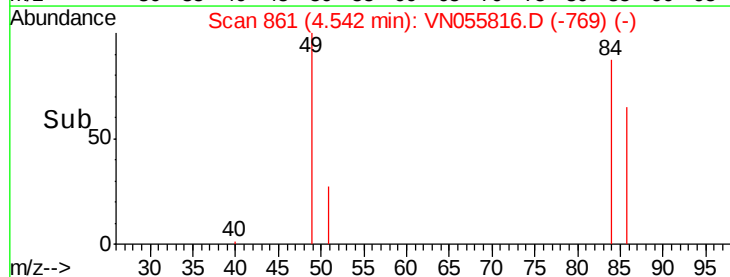
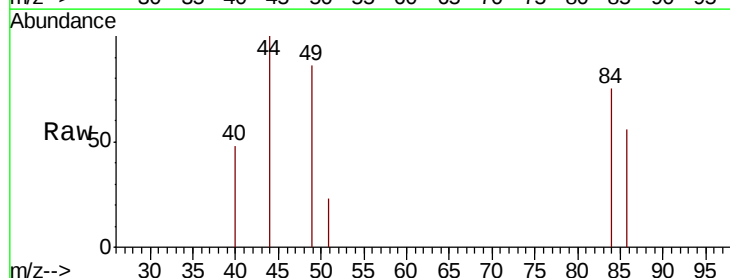
Instrument :
MSVOA_N
ClientSampleId :
0445-FIELD-BLANK-2

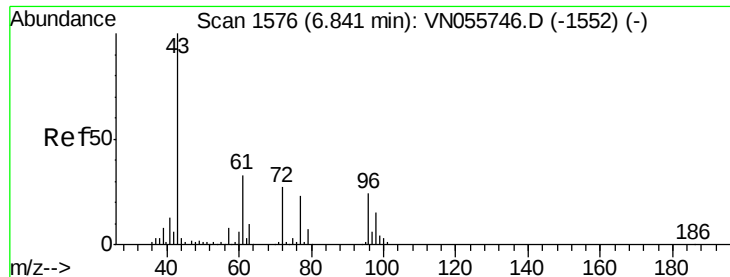
Tot Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
74 7.7 19.3 28.9#



#20
Methylene Chloride
Concen: 0.335 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

Tgt Ion: 84 Resp: 1489
Ion Ratio Lower Upper
84 100
49 115.5 93.5 140.3
51 30.7 28.6 43.0
86 74.8 52.6 79.0

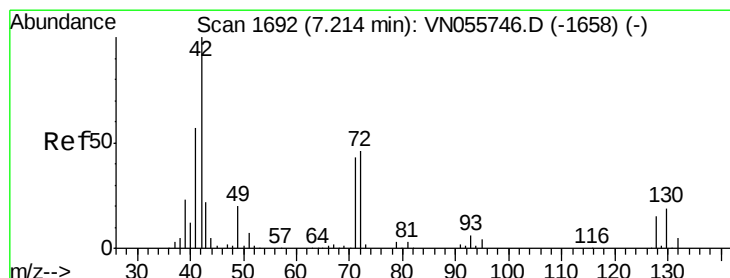
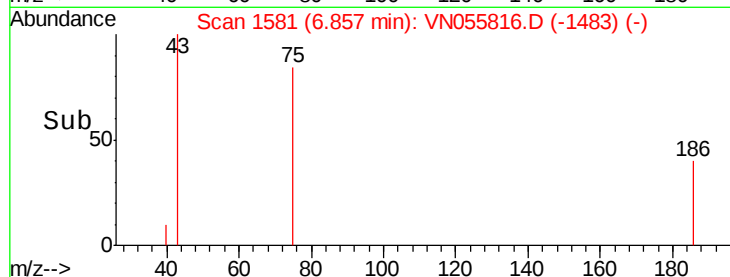
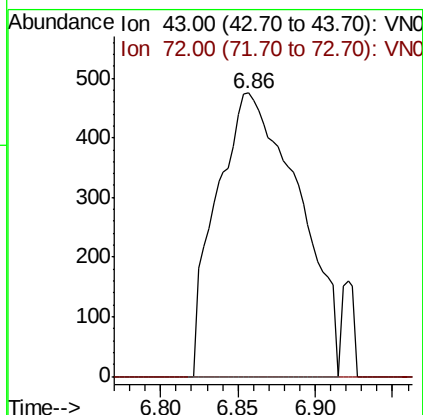
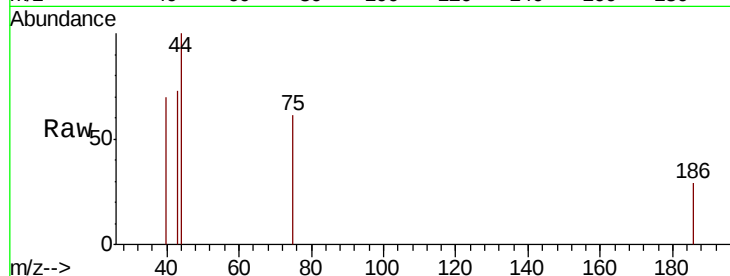




#25
2-Butanone
Concen: 0.610 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

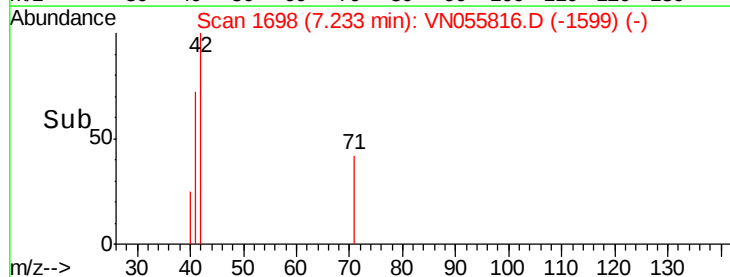
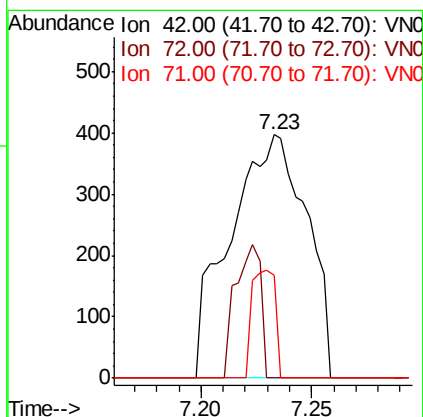
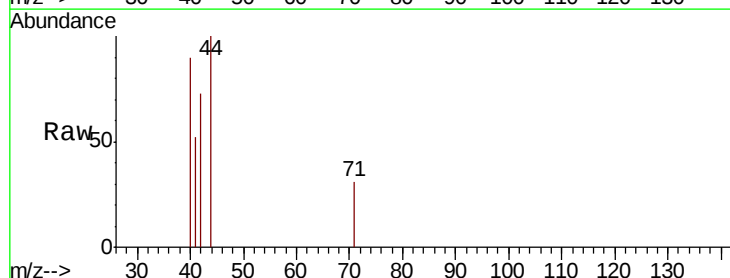
Instrument :
MSVOA_N
ClientSampleId :
0445-FIELD-BLANK-2

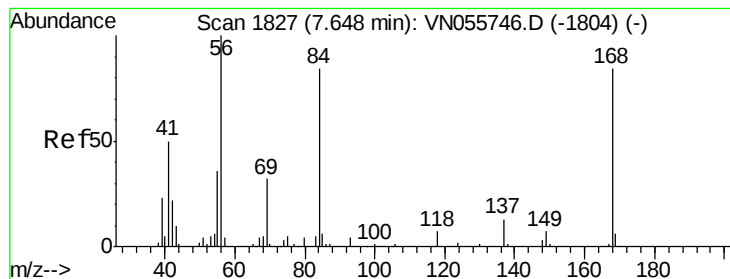
Tot Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#



#29
Tetrahydrofuran
Concen: 0.526 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.02 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

Tgt Ion: 42 Resp: 955
Ion Ratio Lower Upper
42 100
72 18.2 35.9 53.9#
71 13.6 34.0 51.0#





#31

Cyclohexane

Concen: 0.905 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

0445-FIELD-BLANK-2

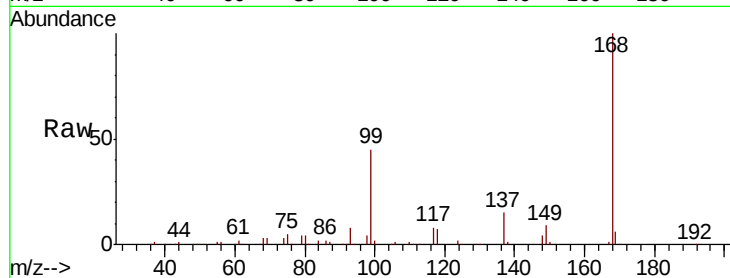
Tot Ion: 56 Resp: 6349

Ion Ratio Lower Upper

56 100

69 176.7 25.6 38.4#

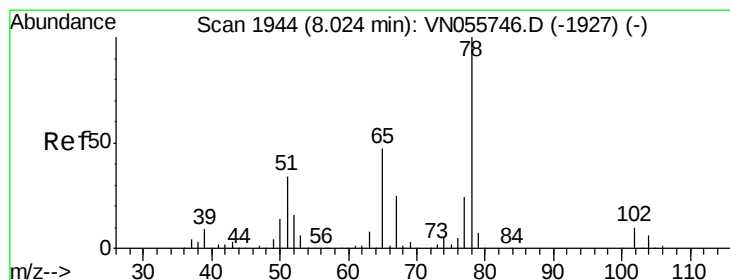
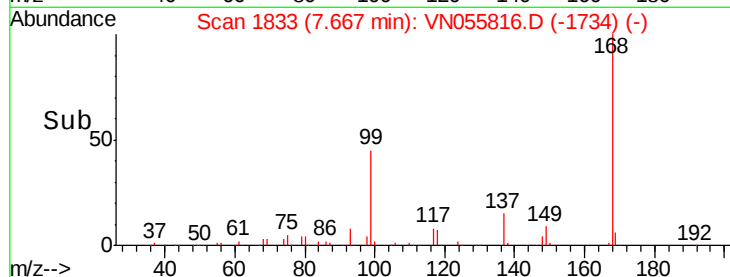
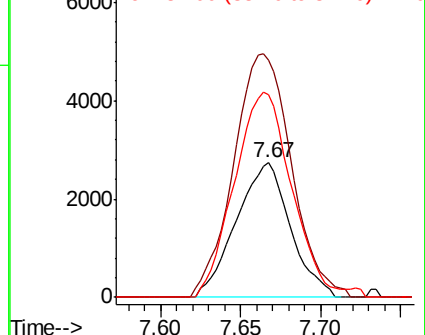
84 150.8 67.4 101.0#



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: 43.660 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055816.D

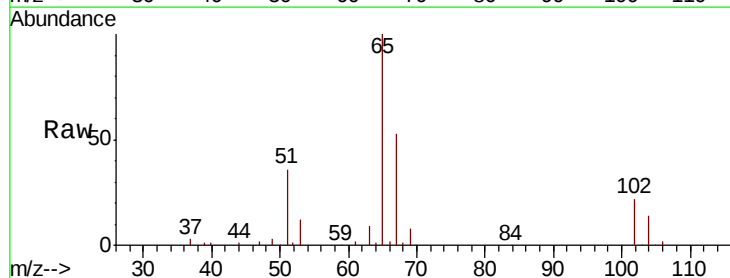
Acq: 25 May 2019 00:29

Tgt Ion: 65 Resp: 204045

Ion Ratio Lower Upper

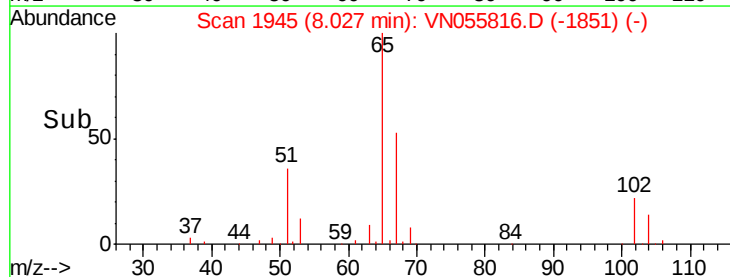
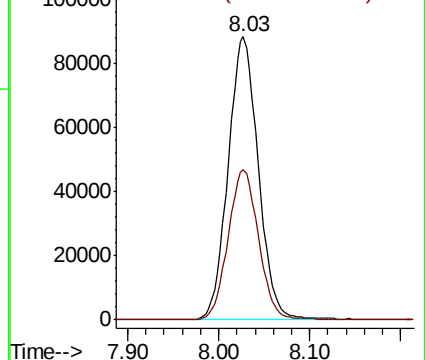
65 100

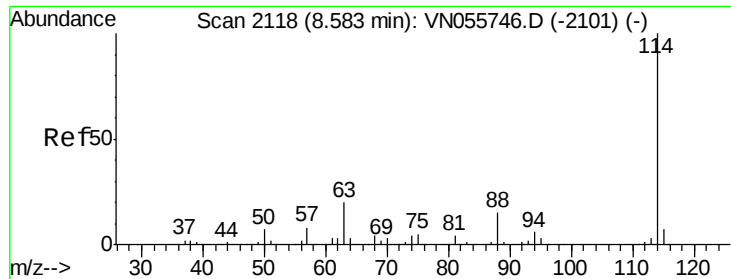
67 53.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

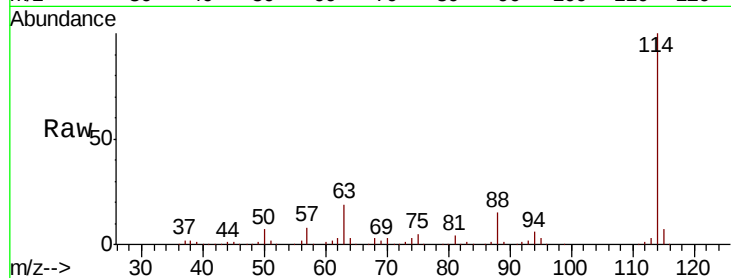




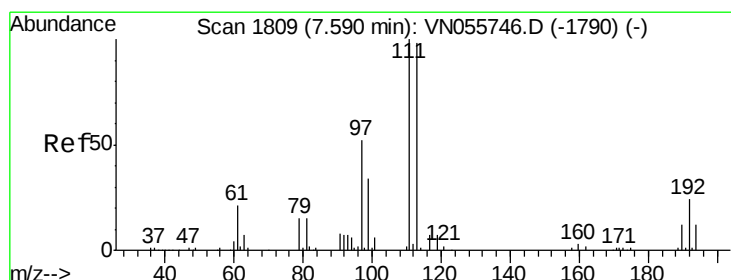
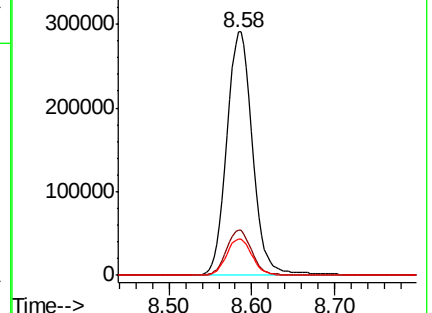
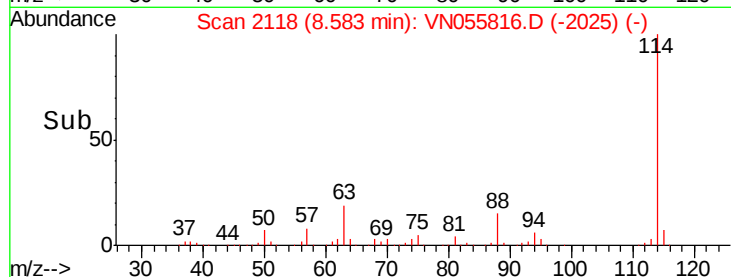
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055816.D
 Acq: 25 May 2019 00:29

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Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.2
88	15.0	0.0	31.0

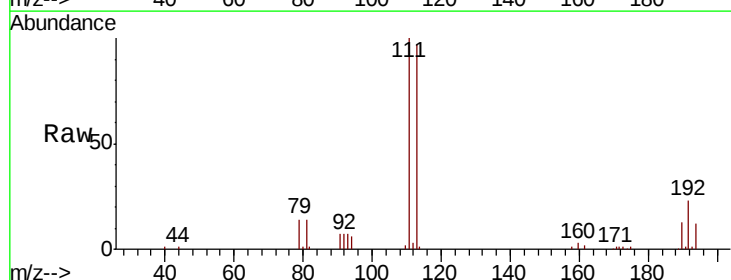


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

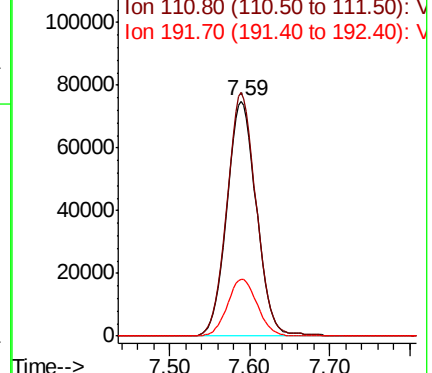
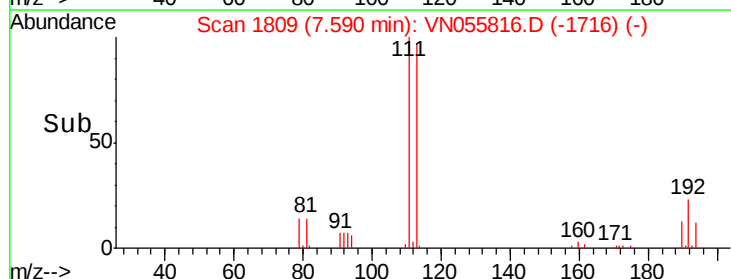


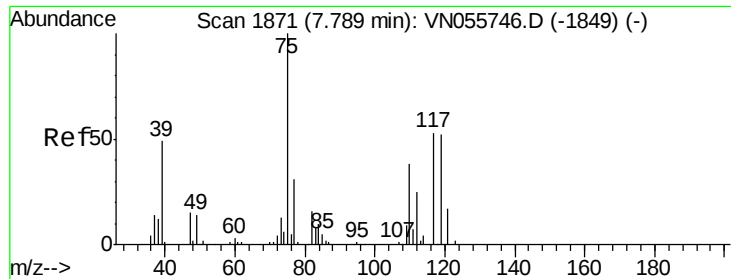
#35
 Dibromofluoromethane
 Concen: 47.536 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055816.D
 Acq: 25 May 2019 00:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	24.5	19.5	29.3



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: 4.498 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

0445-FIELD-BLANK-2

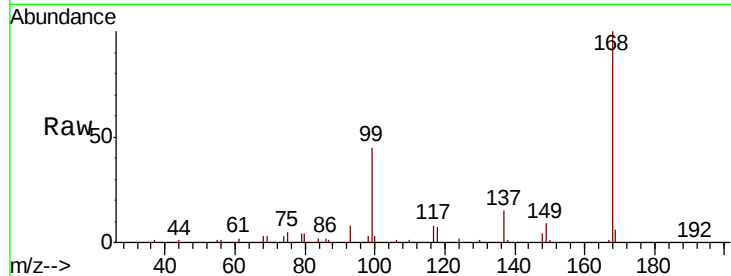
Tot Ion: 75 Resp: 24680

Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

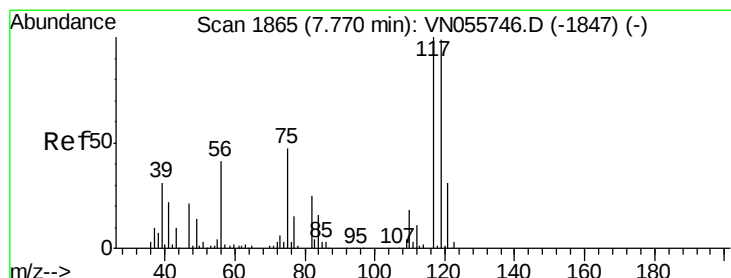
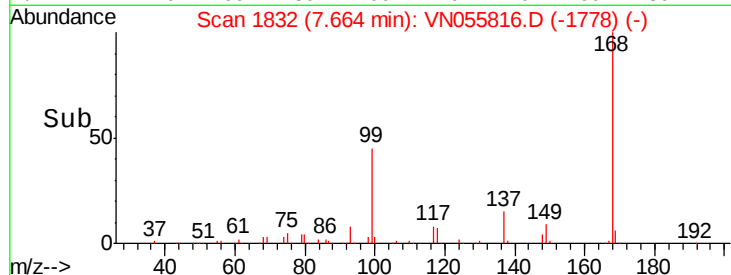
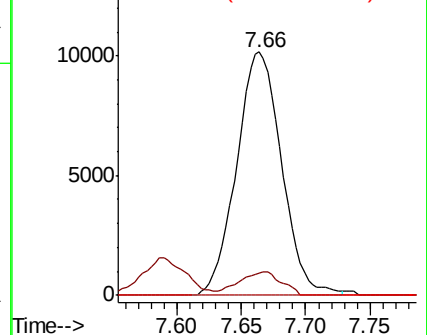
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055816.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055816.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055816.D (-1778) (-)



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

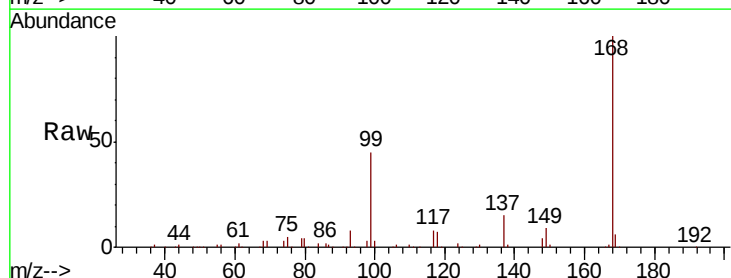
Tgt Ion: 117 Resp: 35406

Ion Ratio Lower Upper

117 100

119 4.9 79.0 118.6#

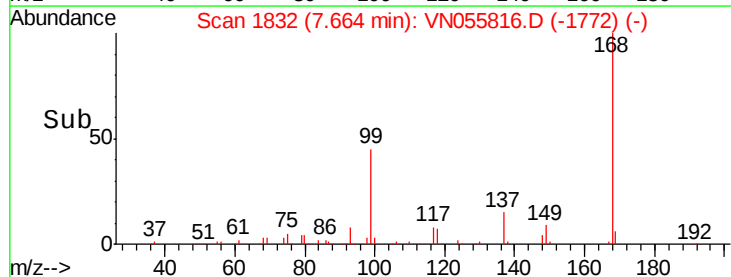
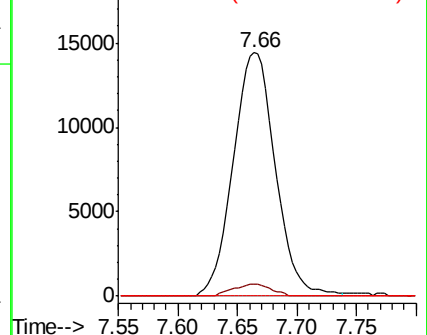
121 0.0 24.7 37.1#

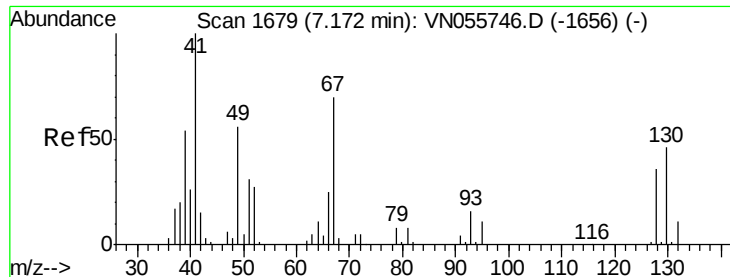


Abundance Ion 116.80 (116.50 to 117.50): VN055816.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055816.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055816.D (-1772) (-)

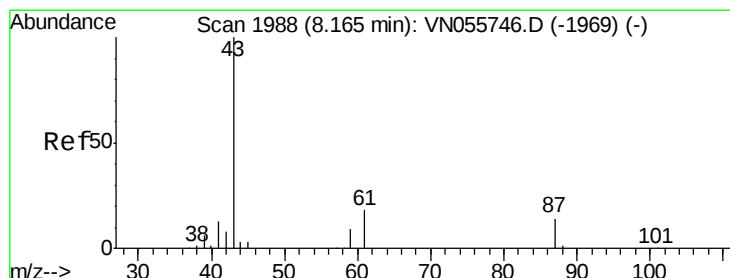
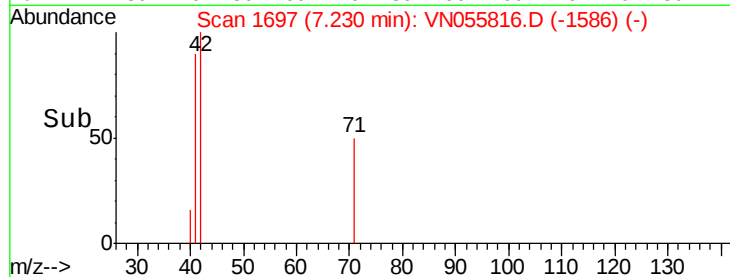
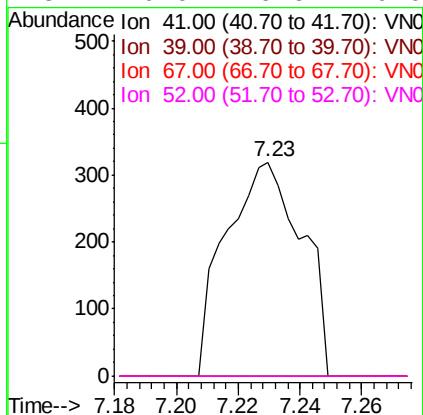
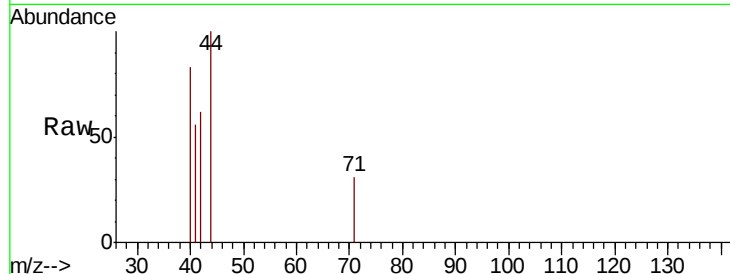




#41
Methacrylonitrile
Concen: 0.204 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.06 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

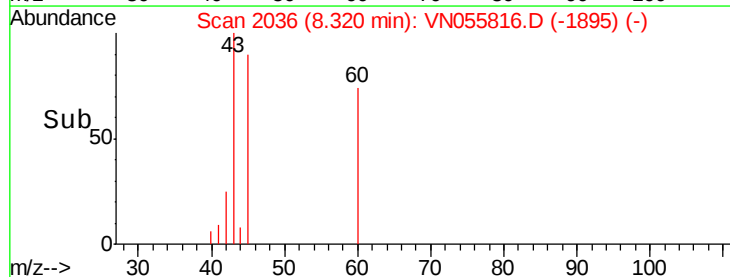
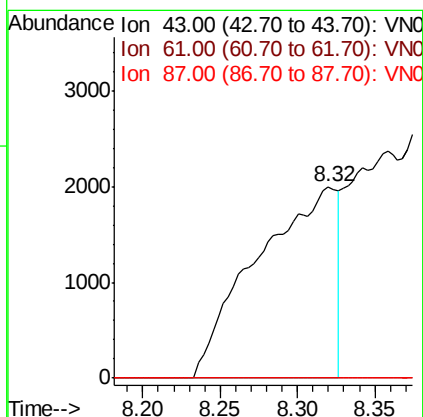
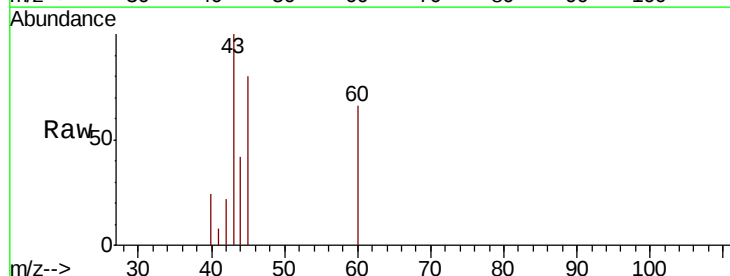
Instrument :
MSVOA_N
ClientSampleId :
0445-FIELD-BLANK-2

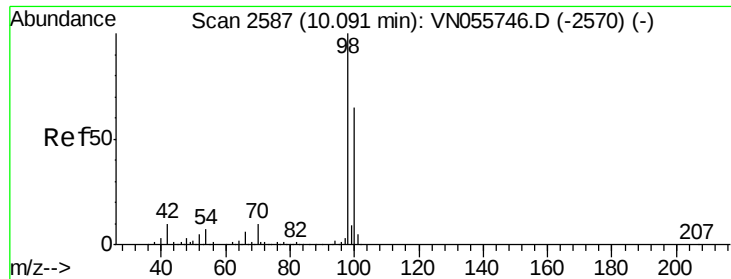
Tot Ion: 41 Resp: 547
Ion Ratio Lower Upper
41 100
39 0.0 45.6 68.4#
67 0.0 67.7 101.5#
52 0.0 26.6 40.0#



#43
Isopropyl Acetate
Concen: 0.809 ug/l
RT: 8.32 min Scan# 2036
Delta R.T. 0.15 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

Tgt Ion: 43 Resp: 7207
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#50

Toluene-d8

Concen: 48.970 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

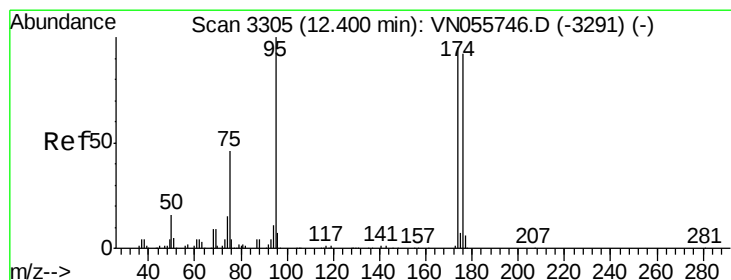
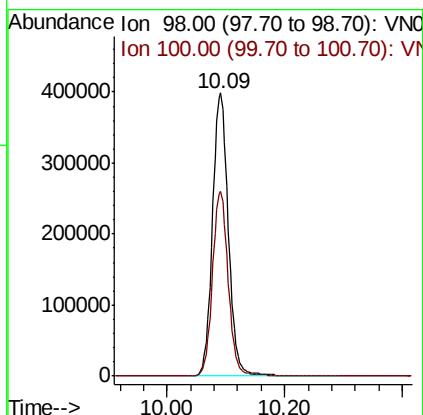
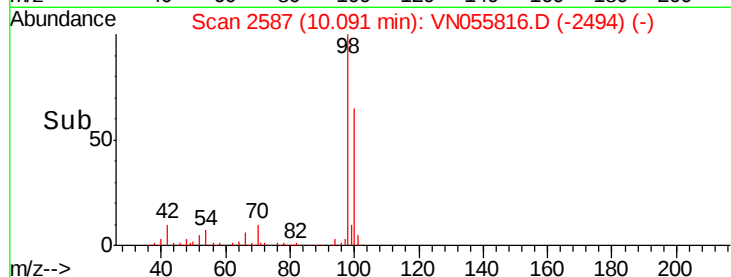
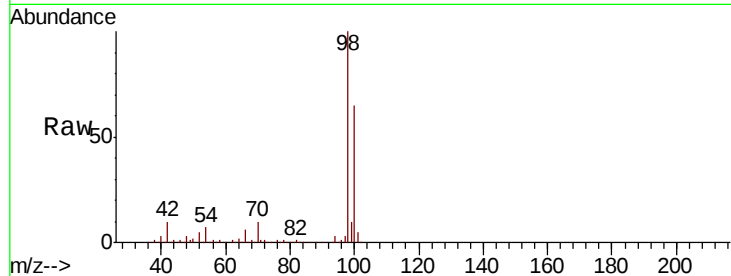
0445-FIELD-BLANK-2

Tot Ion: 98 Resp: 747798

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.607 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

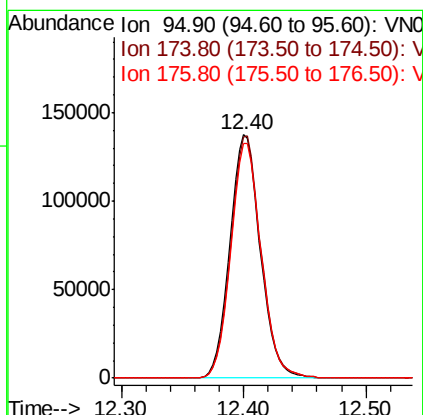
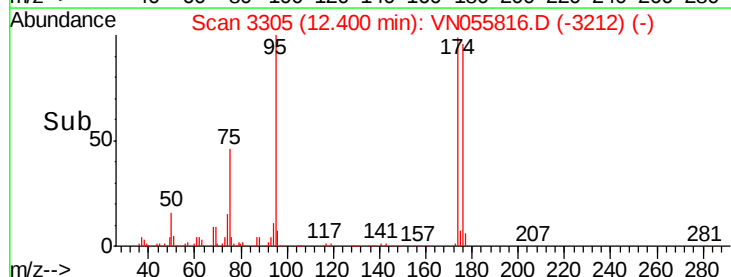
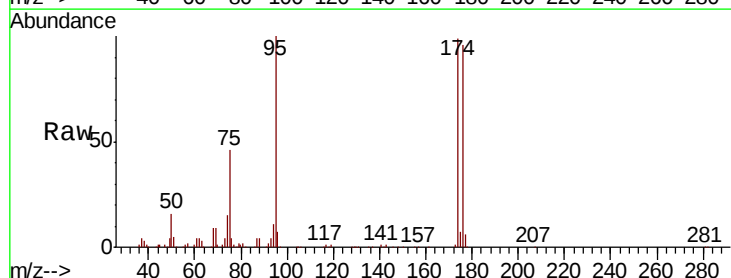
Tgt Ion: 95 Resp: 238803

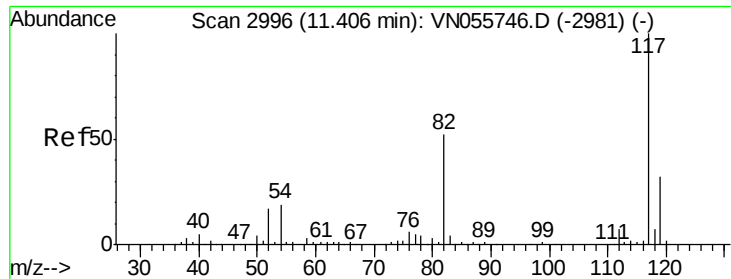
Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.0

176 96.0 0.0 185.2

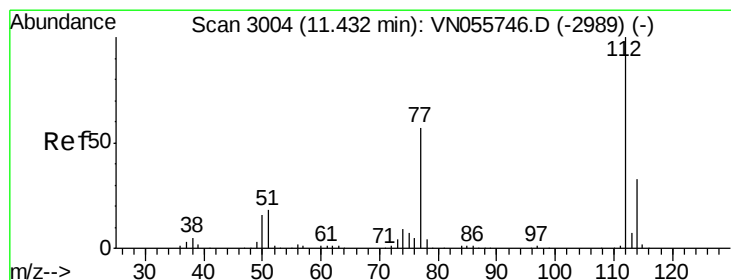
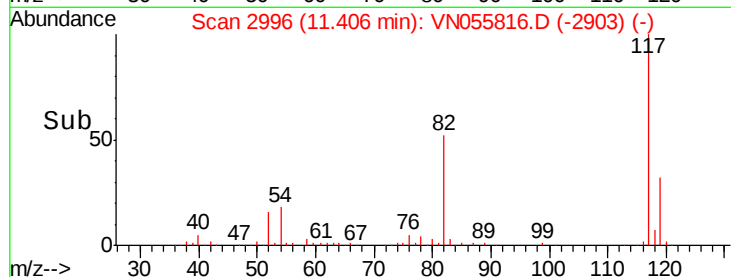
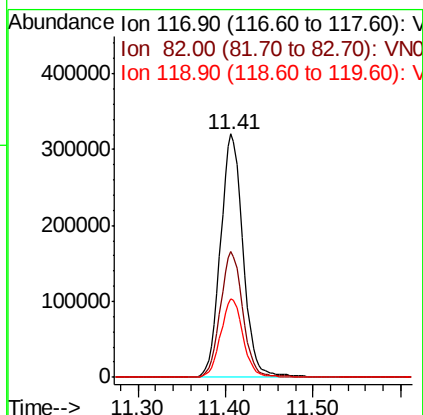
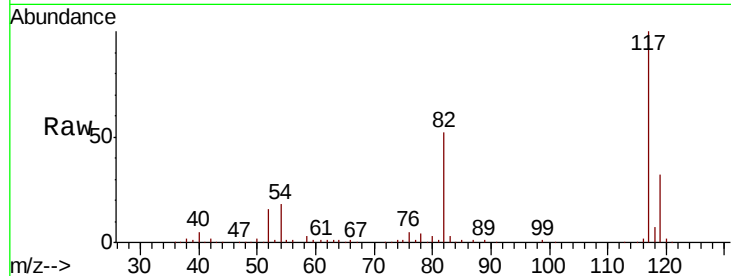




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

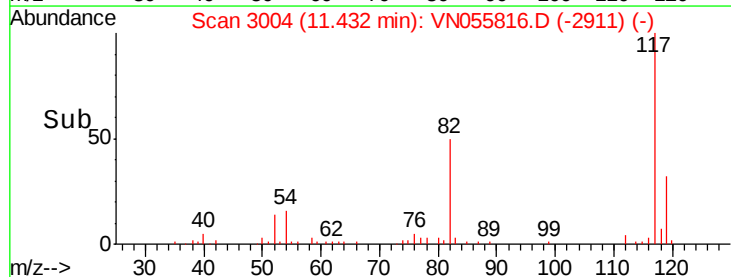
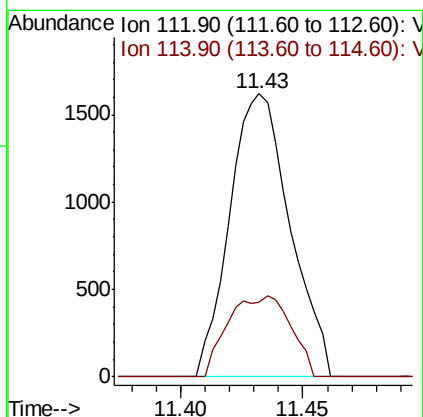
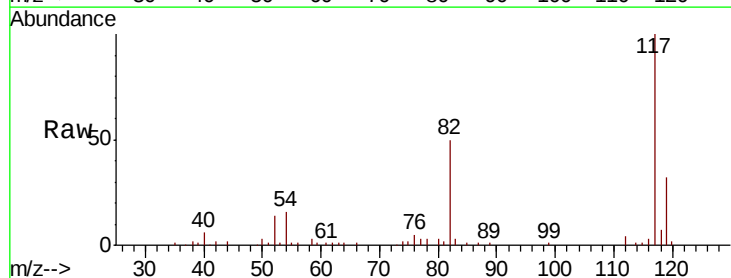
Instrument :
MSVOA_N
ClientSampleId :
0445-FIELD-BLANK-2

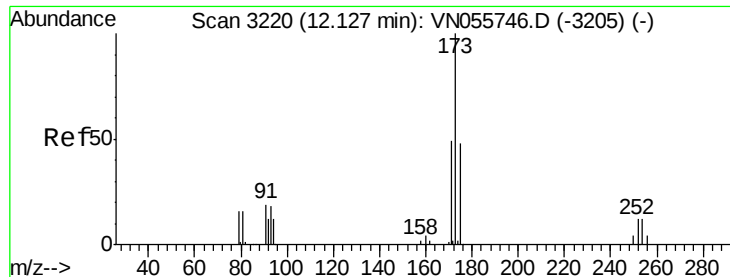
Tot Ion:117 Resp: 573441
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.2 25.4 38.0



#65
Chlorobenzene
Concen: 0.242 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055816.D
Acq: 25 May 2019 00:29

Tgt Ion:112 Resp: 2779
Ion Ratio Lower Upper
112 100
114 26.3 26.2 39.4





#71

Bromoform

Concen: 0.464 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

0445-FIELD-BLANK-2

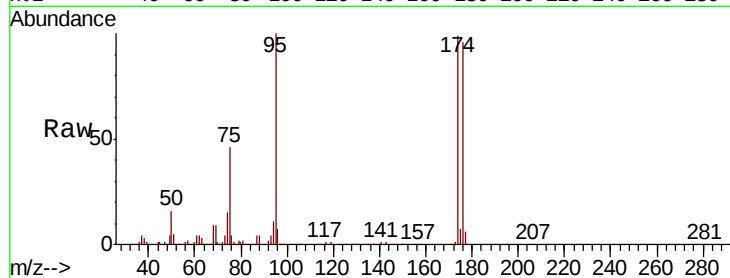
Tot Ion:173 Resp: 1813

Ion Ratio Lower Upper

173 100

175 811.2 24.3 72.8#

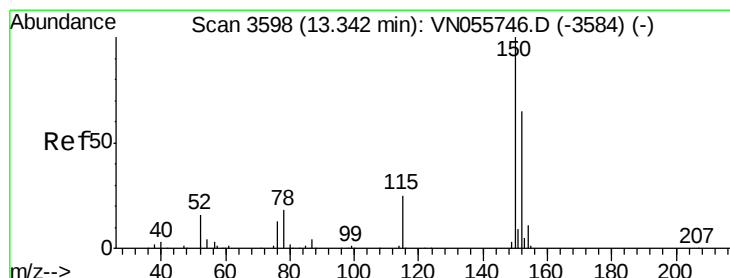
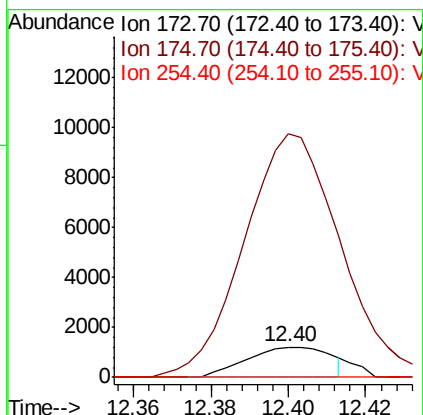
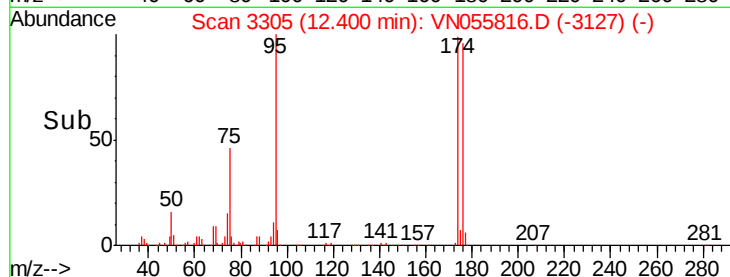
254 0.0 0.0 0.0



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: VN055816.D

Acq: 25 May 2019 00:29

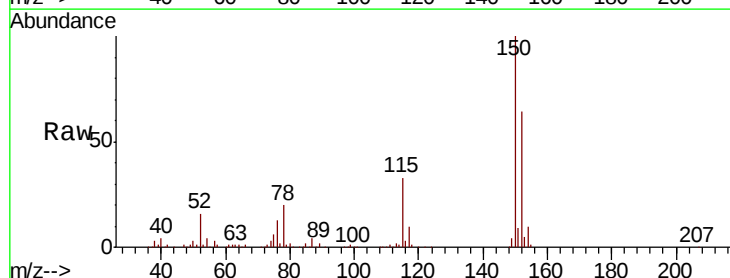
Tgt Ion:152 Resp: 198470

Ion Ratio Lower Upper

152 100

115 52.4 27.0 81.0

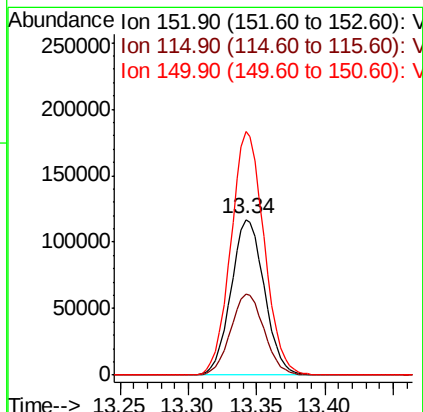
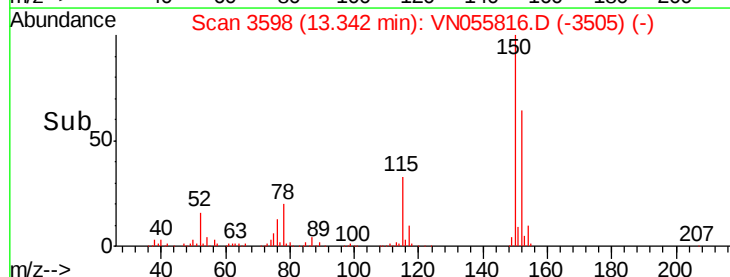
150 156.1 0.0 343.2

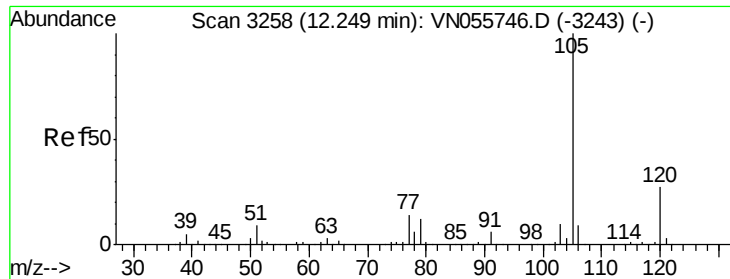


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

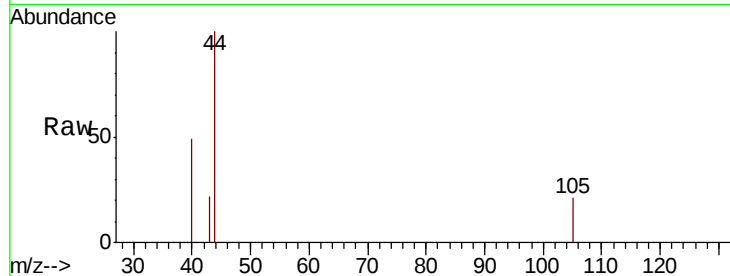
0445-FIELD-BLANK-2

Tot Ion:105 Resp: 59

Ion Ratio Lower Upper

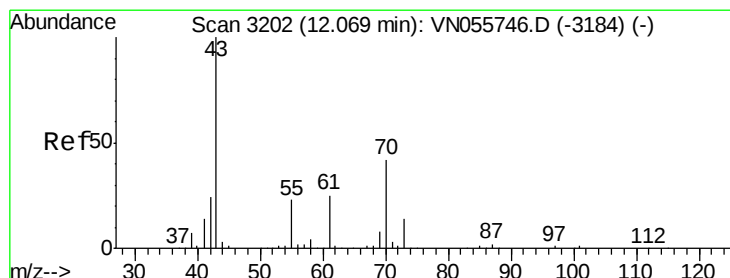
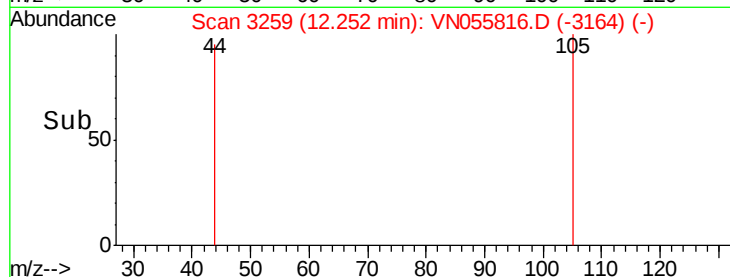
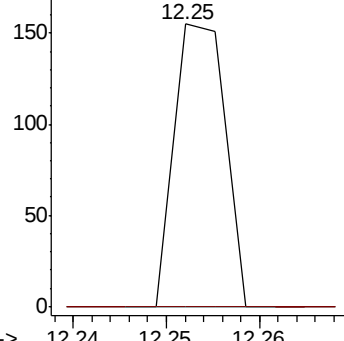
105 100

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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Tgt Ion: 43 Resp: 94

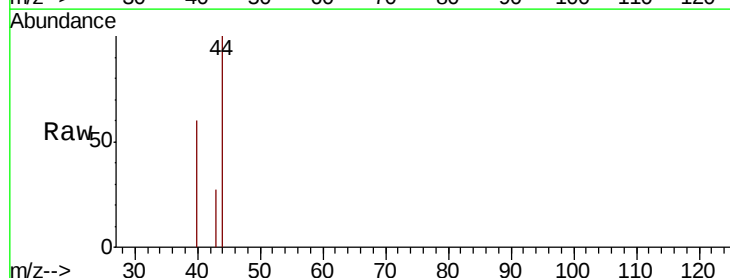
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

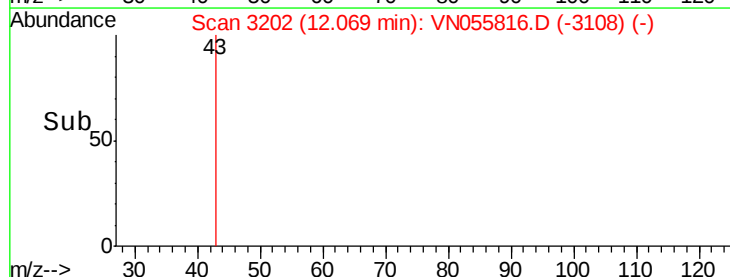
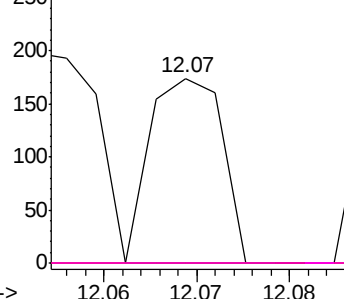


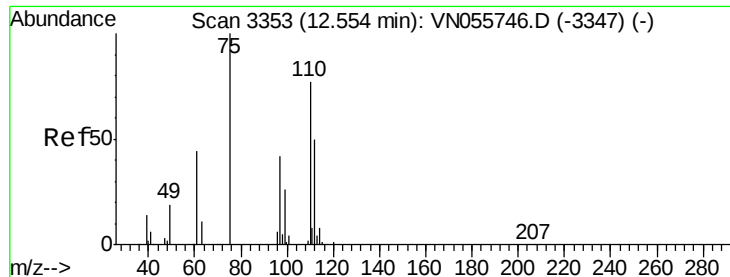
Abundance Ion 43.00 (42.70 to 43.70): V

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





#76

1,2,3-Trichloropropane

Concen: 31.015 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055816.D

Acq: 25 May 2019 00:29

Instrument :

MSVOA_N

ClientSampleId :

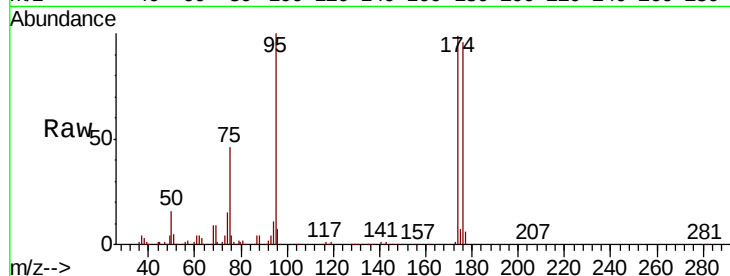
0445-FIELD-BLANK-2

Tot Ion: 75 Resp: 110078

Ion Ratio Lower Upper

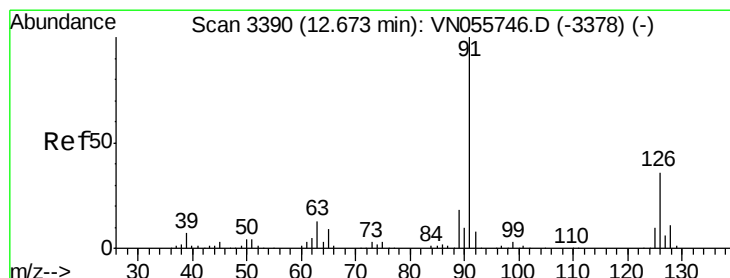
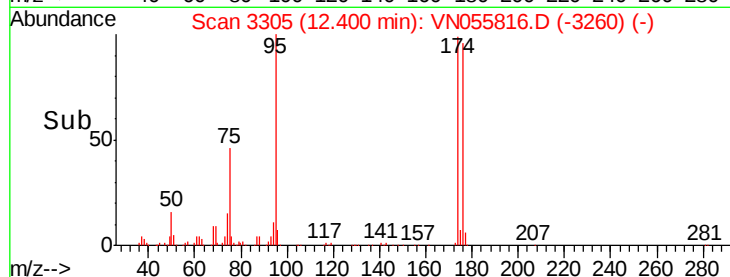
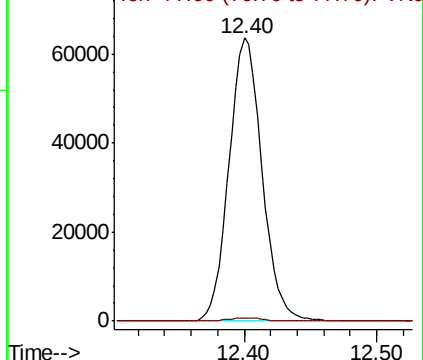
75 100

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: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055816.D

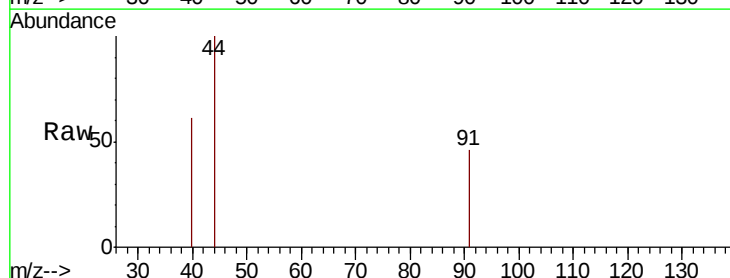
Acq: 25 May 2019 00:29

Tgt Ion: 91 Resp: 375

Ion Ratio Lower Upper

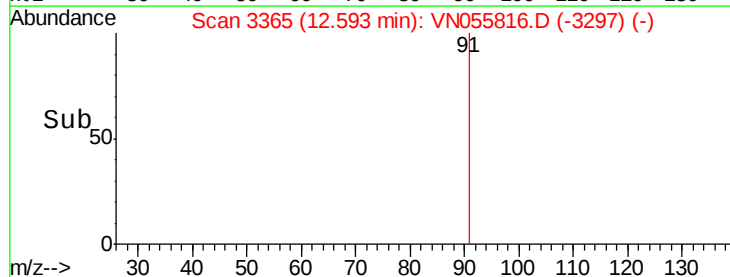
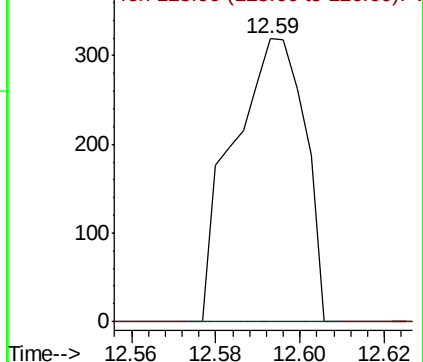
91 100

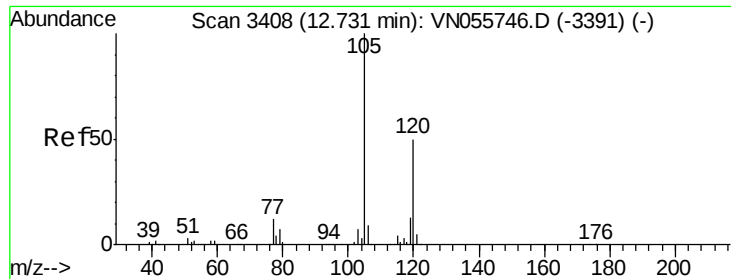
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

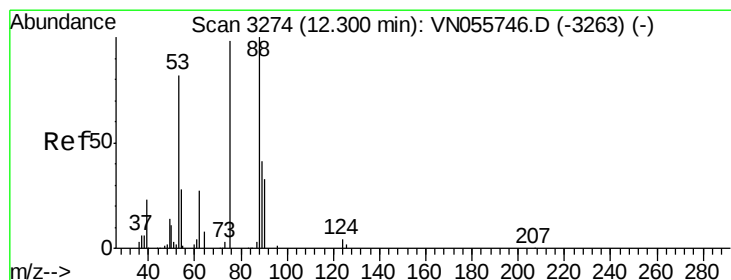
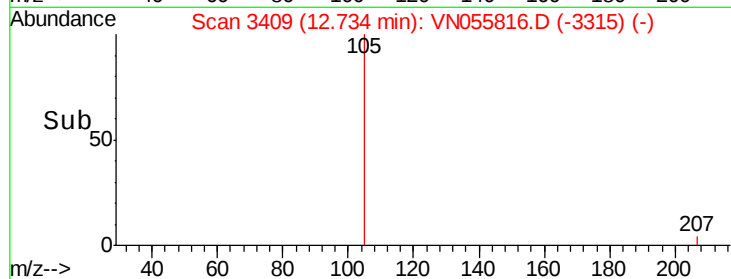
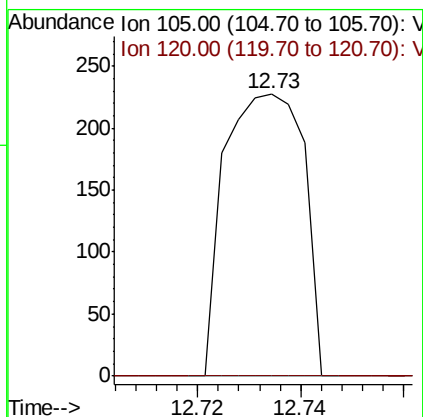
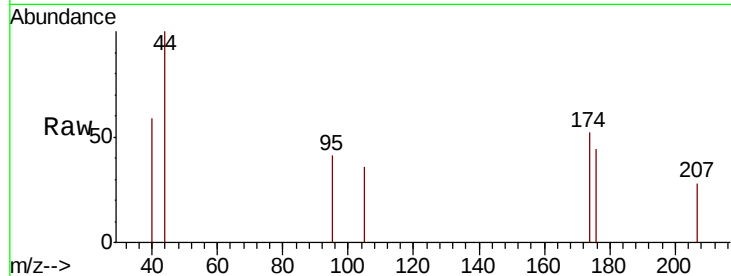




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055816.D
 Acq: 25 May 2019 00:29

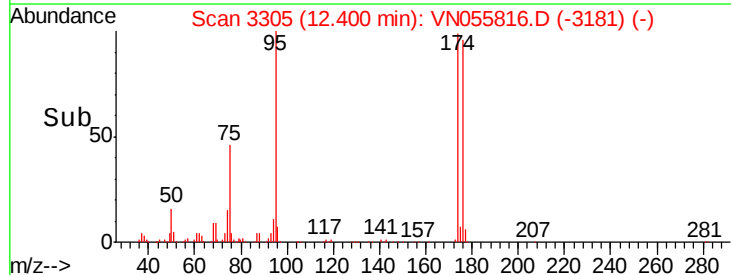
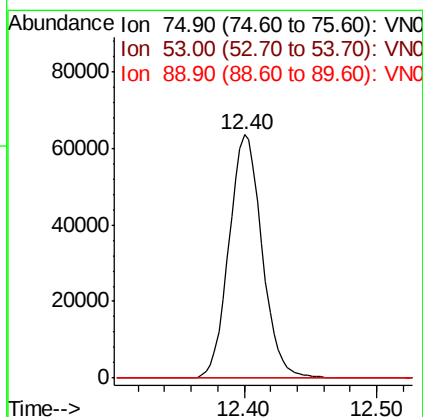
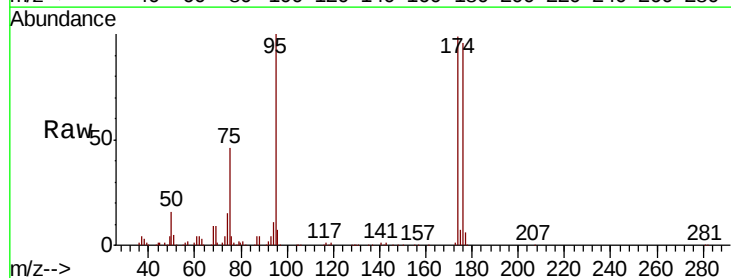
Instrument :
 MSVOA_N
 ClientSampleId :
 0445-FIELD-BLANK-2

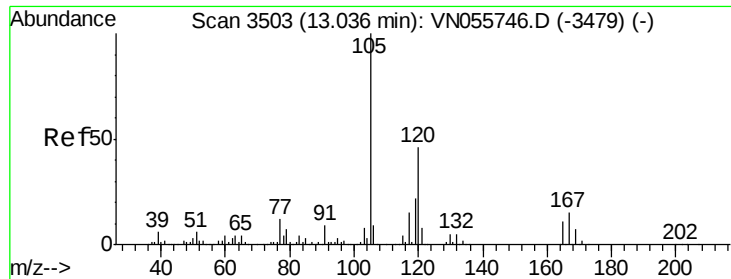
Tot Ion: 105 Resp: 240
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.625 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055816.D
 Acq: 25 May 2019 00:29

Tgt Ion: 75 Resp: 110078
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

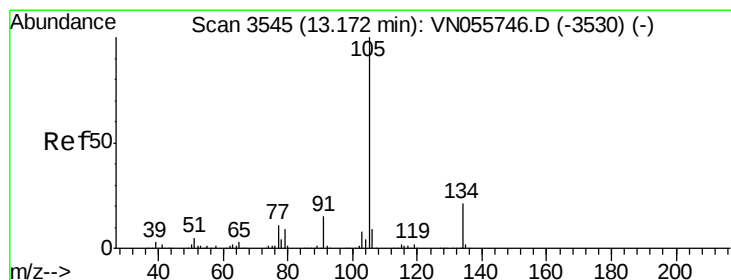
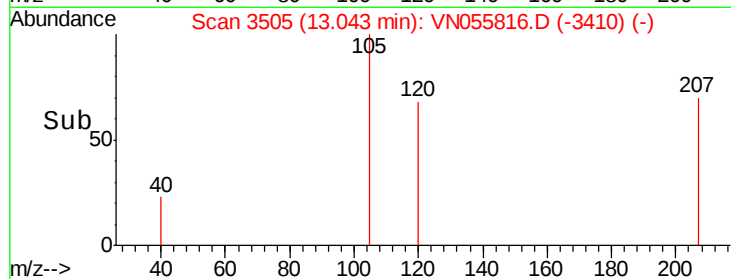
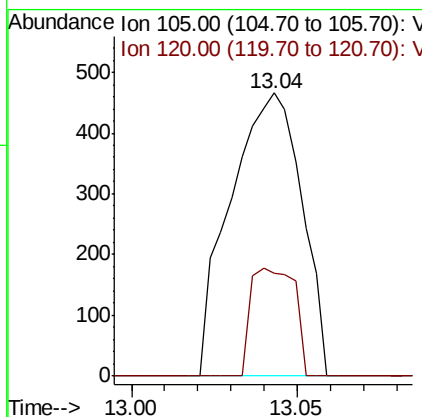
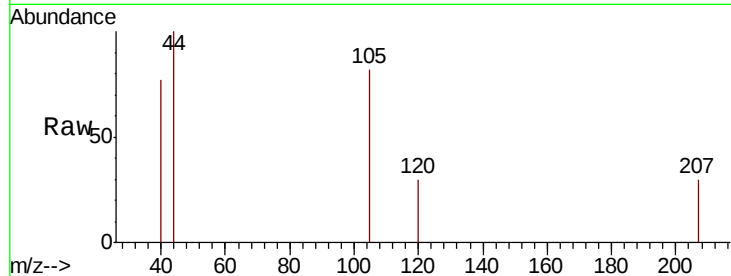




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.01 min
 Lab File: VN055816.D
 Acq: 25 May 2019 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 0445-FIELD-BLANK-2

Tot Ion:105 Resp: 697
 Ion Ratio Lower Upper
 105 100
 120 23.1 23.0 69.0



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN055816.D
 Acq: 25 May 2019 00:29

Tgt Ion:105 Resp: 211
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

