

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055845.D
 Acq On : 28 May 2019 12:01
 Operator : JC/SP
 Sample : K3040-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 28 17:37:22 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	470772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	669001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	611988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	219811	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	
35) Dibromofluoromethane	7.59	113	197499	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
50) Toluene-d8	10.09	98	801541	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	254458	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds

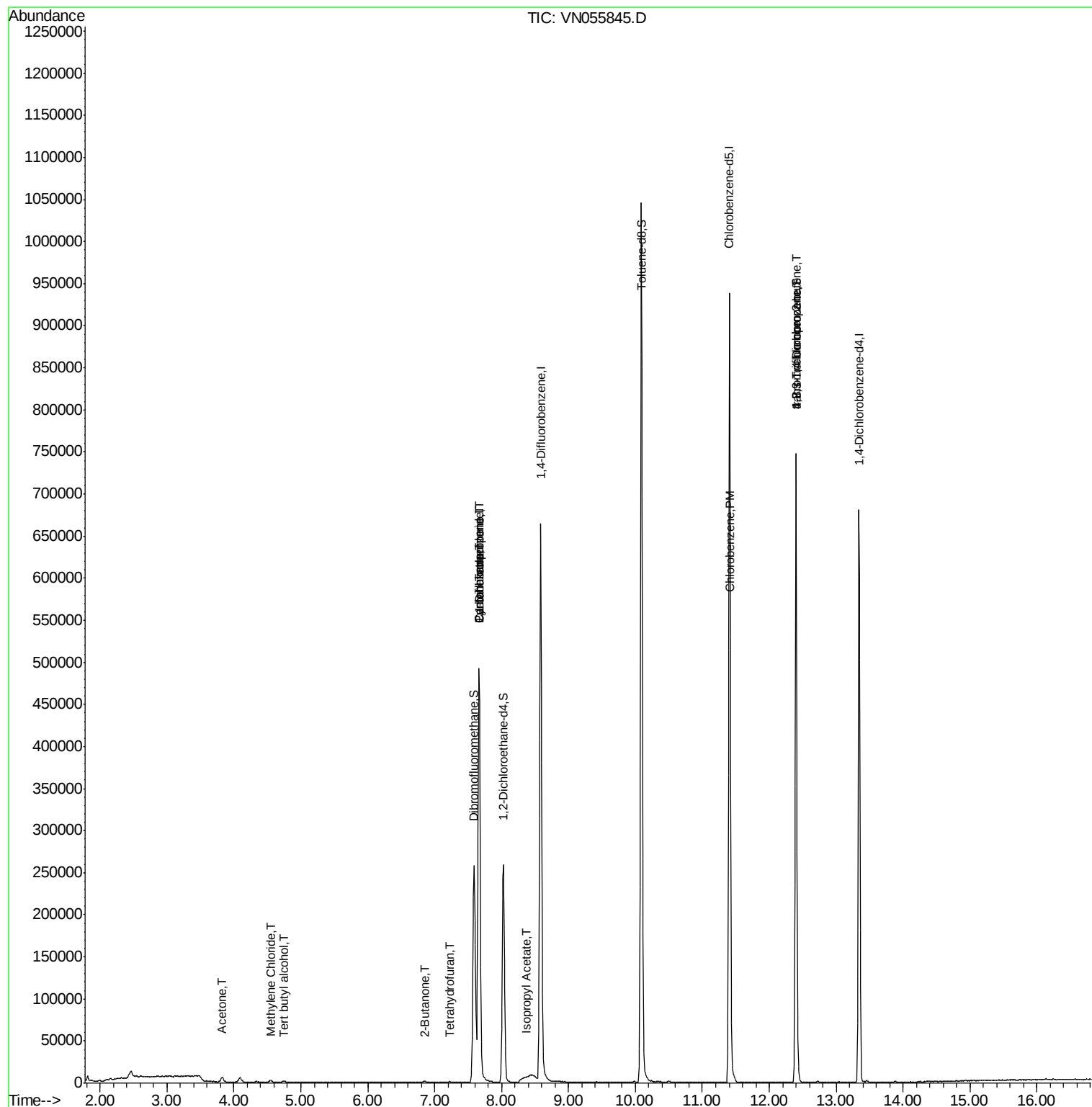
					Qvalue	
11) Tert butyl alcohol	4.74	59	1024	1.102	ug/l #	74
16) Acetone	3.83	43	10114	4.733	ug/l	91
18) Methyl Acetate	4.34	43	2274	Below Cal	#	69
20) Methylene Chloride	4.54	84	1838	0.397	ug/l	90
25) 2-Butanone	6.86	43	1206	0.404	ug/l #	47
29) Tetrahydrofuran	7.22	42	1021	0.540	ug/l #	37
31) Cyclohexane	7.66	56	6838	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	26587	4.560	ug/l #	48
38) Carbon Tetrachloride	7.66	117	37725	6.212	ug/l #	15
43) Isopropyl Acetate	8.36	43	9526	1.006	ug/l #	53
65) Chlorobenzene	11.43	112	2688	0.219	ug/l	96
73) Isopropylbenzene	12.40	105	185	Below Cal	#	48
74) N-amyl acetate	12.10	43	60	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	117061	31.353	ug/l #	100
79) 2-Chlorotoluene	12.59	91	167	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	117061	75.359	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	332	Below Cal	#	30
85) sec-Butylbenzene	13.04	105	332	Below Cal	#	55

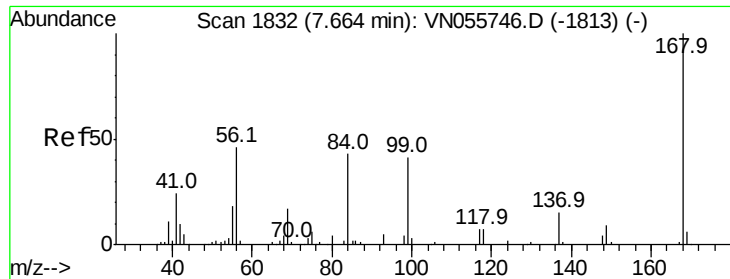
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

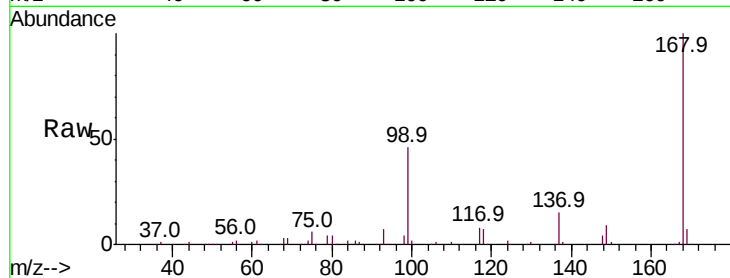
0445-FIELD-BLANK-2

Tot Ion:168 Resp: 470772

Ion Ratio Lower Upper

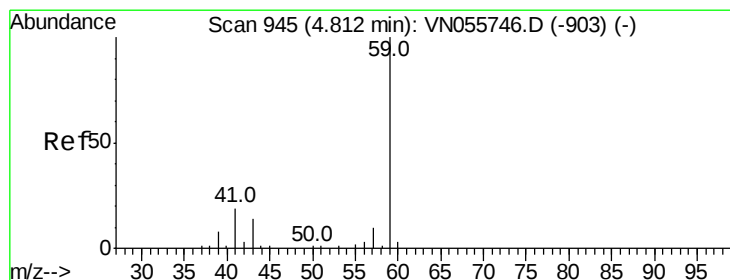
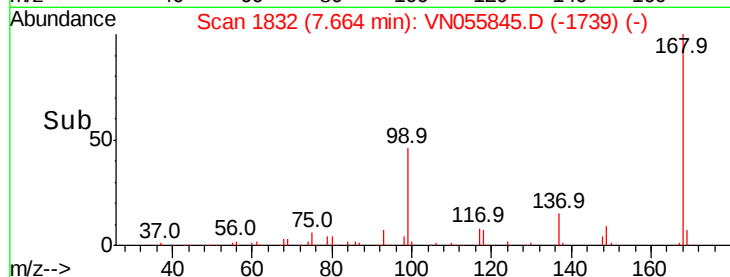
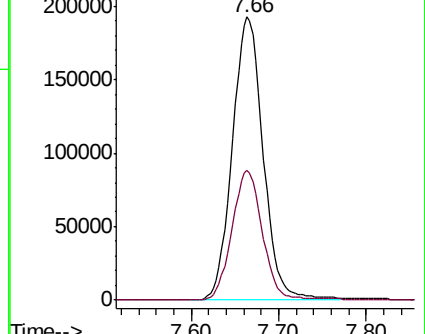
168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.102 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.07 min

Lab File: VN055845.D

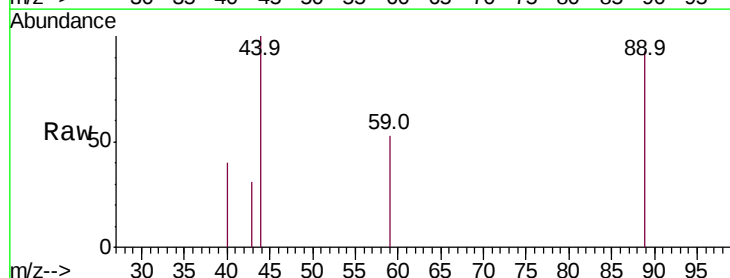
Acq: 28 May 2019 12:01

Tgt Ion: 59 Resp: 1024

Ion Ratio Lower Upper

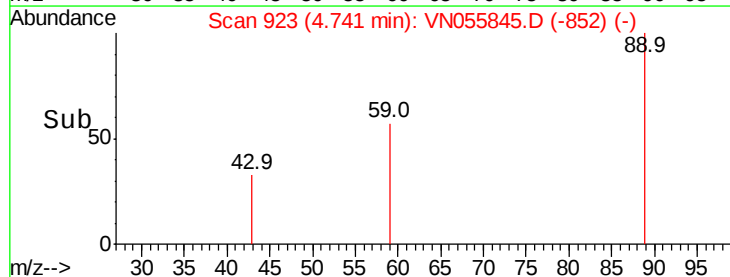
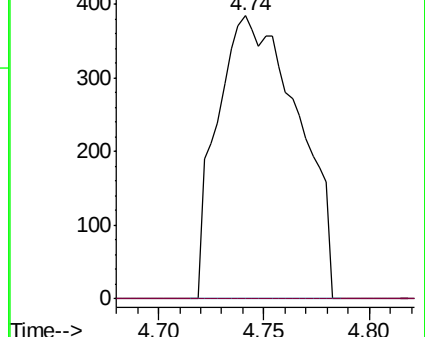
59 100

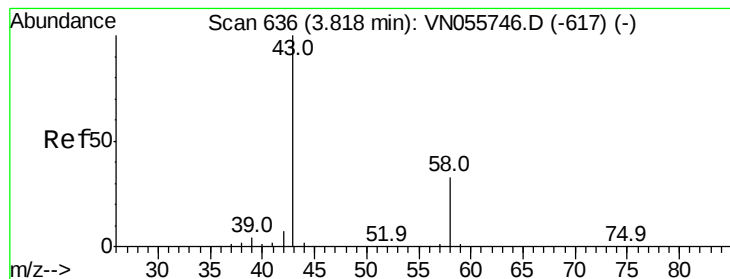
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 4.733 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

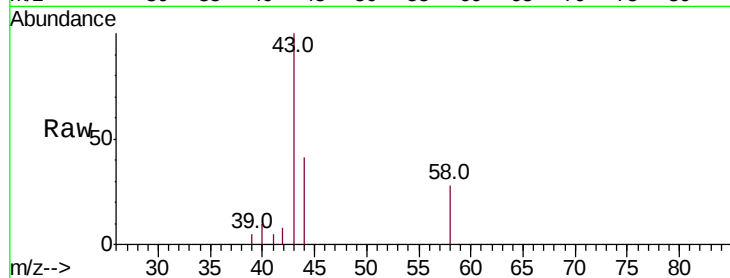
0445-FIELD-BLANK-2

Tot Ion: 43 Resp: 10114

Ion Ratio Lower Upper

43 100

58 28.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

3000

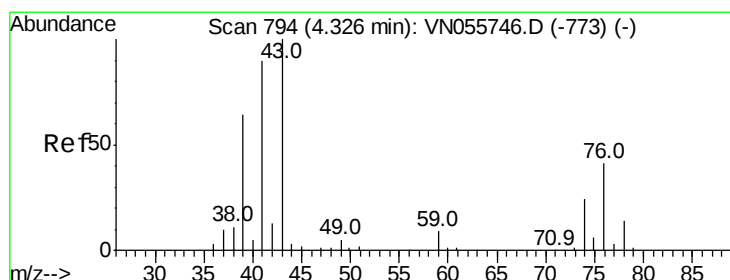
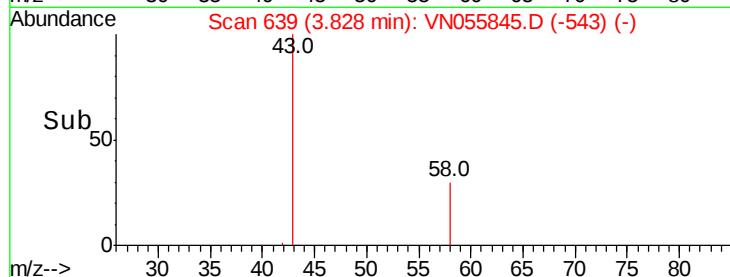
2000

1000

0

3.75 3.80 3.85 3.90

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055845.D

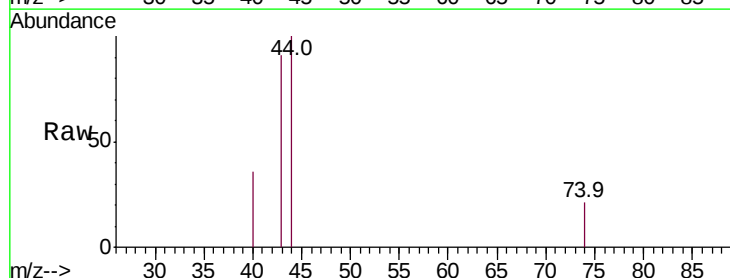
Acq: 28 May 2019 12:01

Tgt Ion: 43 Resp: 2274

Ion Ratio Lower Upper

43 100

74 8.8 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

800

600

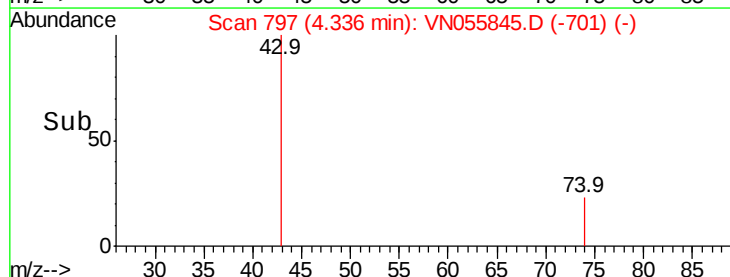
400

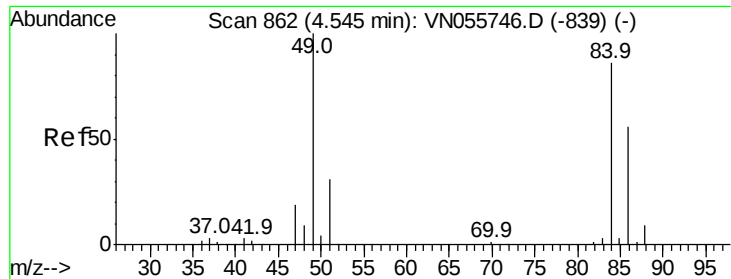
200

0

4.25 4.30 4.35 4.40

Time-->

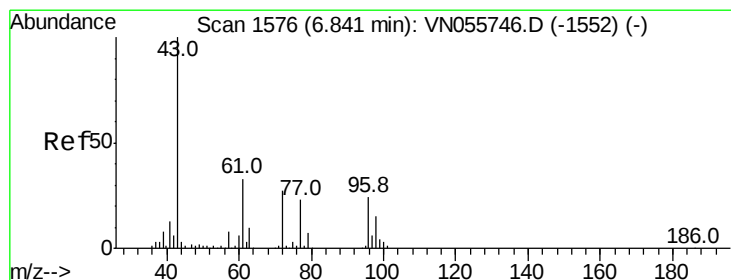
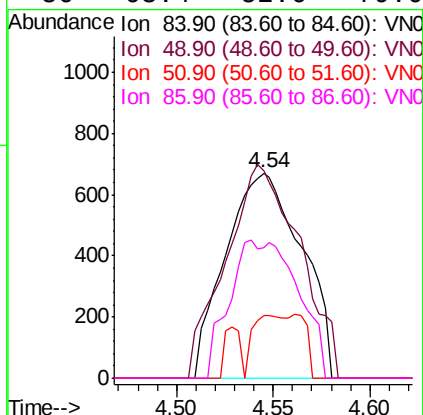
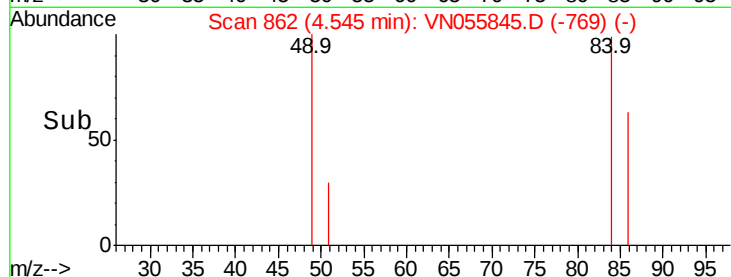
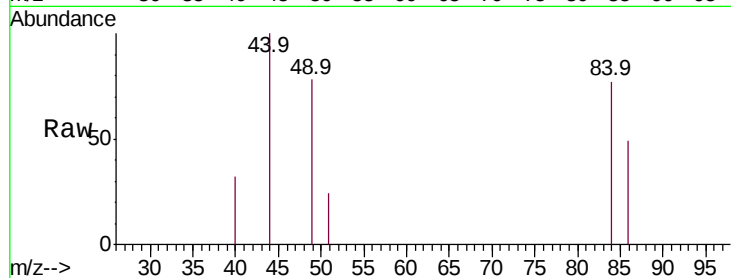




#20
Methvlene Chloride
Concen: 0.397 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055845.D
Acq: 28 May 2019 12:01

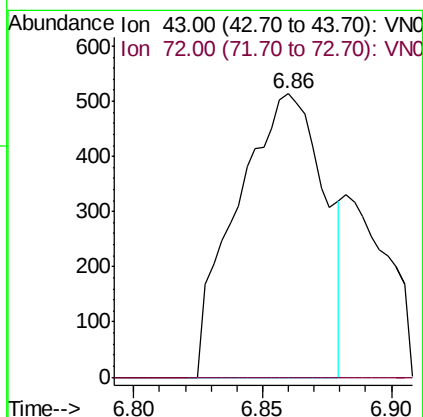
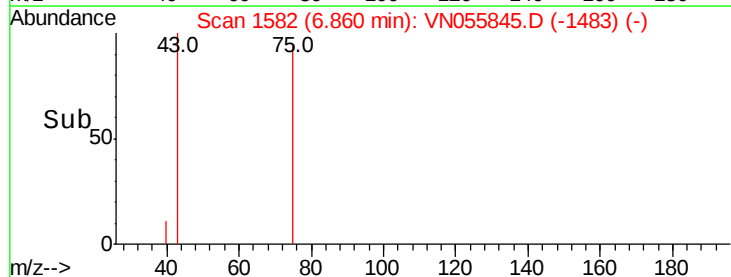
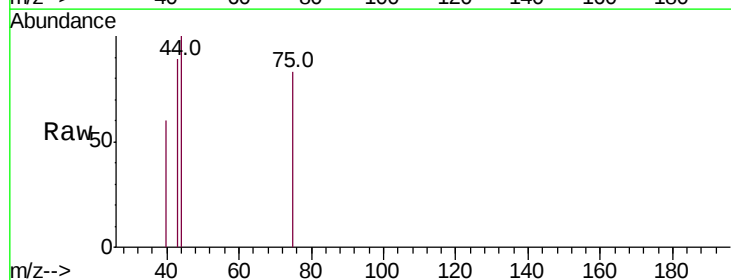
Instrument :
MSVOA_N
ClientSampleId :
0445-FIELD-BLANK-2

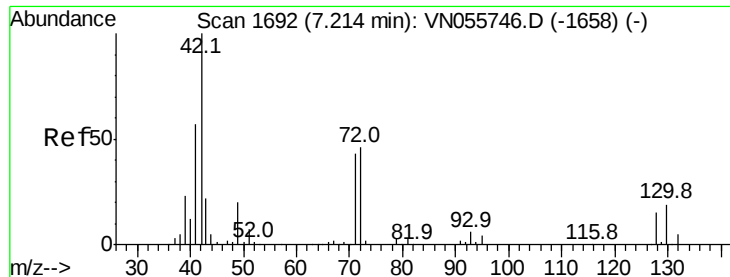
Tot Ion: 84 Resp: 1838
Ion Ratio Lower Upper
84 100
49 101.2 93.5 140.3
51 30.6 28.6 43.0
86 63.4 52.6 79.0



#25
2-Butanone
Concen: 0.404 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN055845.D
Acq: 28 May 2019 12:01

Tgt Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#





#29

Tetrahydrofuran

Concen: 0.540 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

0445-FIELD-BLANK-2

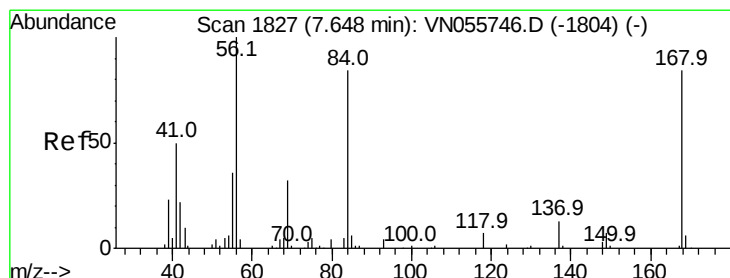
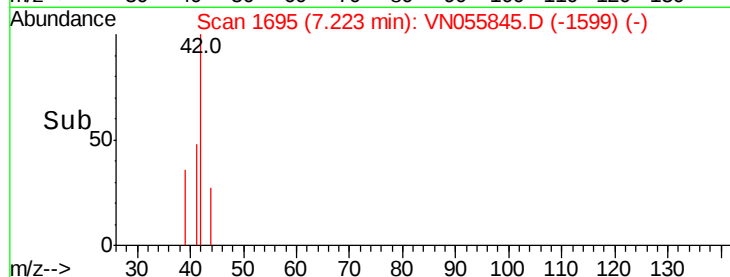
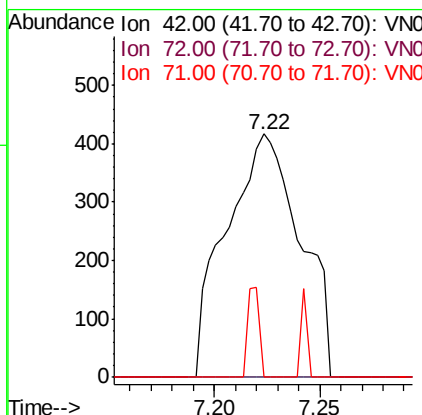
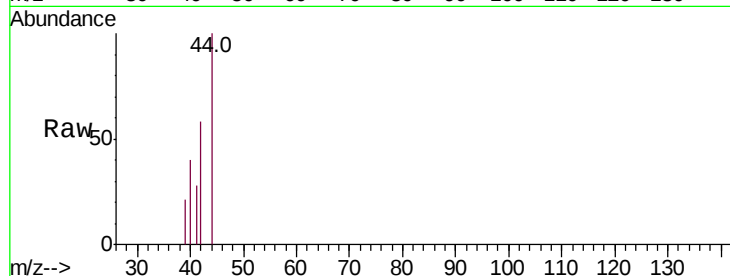
Tot Ion: 42 Resp: 1021

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 5.8 34.0 51.0#



#31

Cyclohexane

Concen: 0.937 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

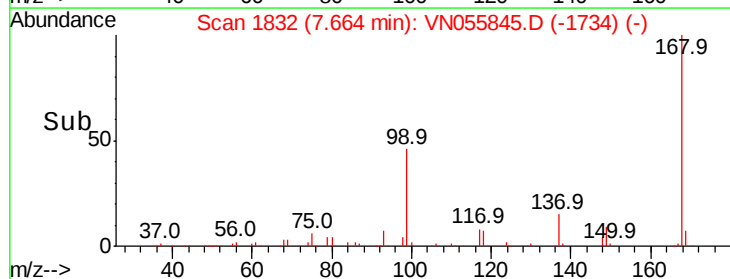
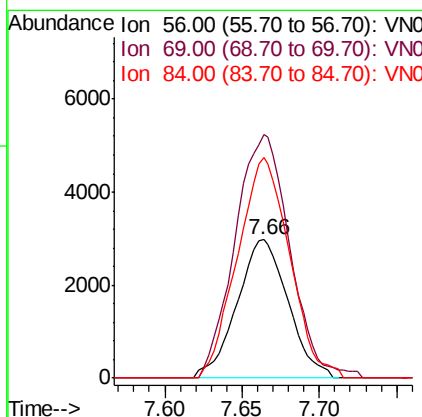
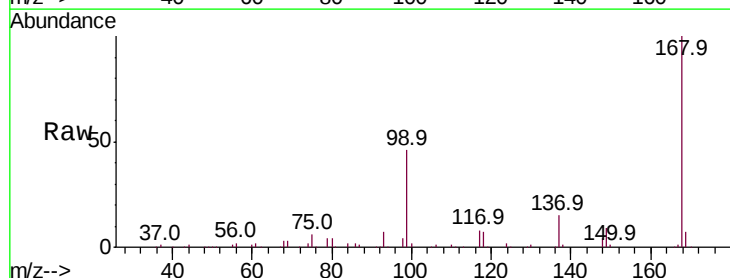
Tgt Ion: 56 Resp: 6838

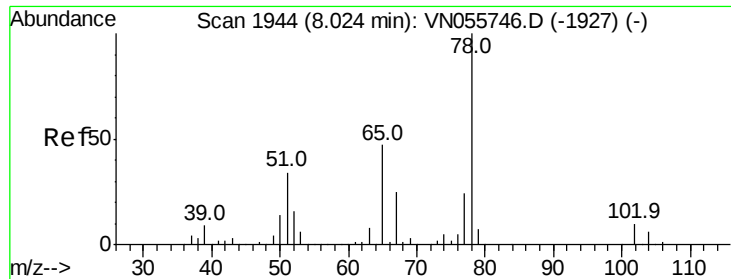
Ion Ratio Lower Upper

56 100

69 176.0 25.6 38.4#

84 159.7 67.4 101.0#

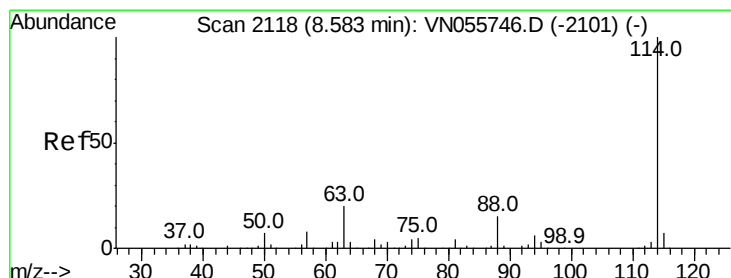
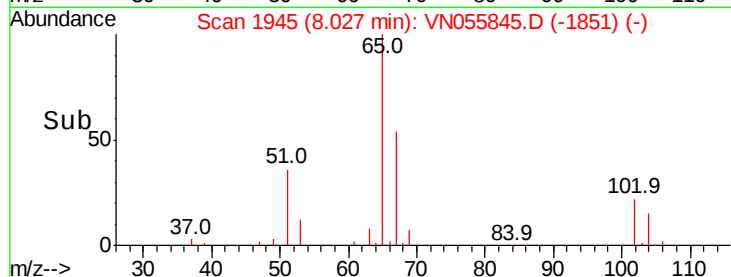
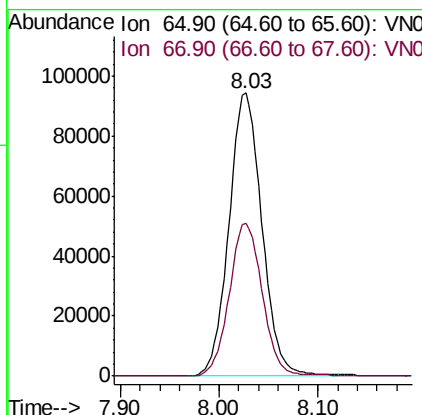
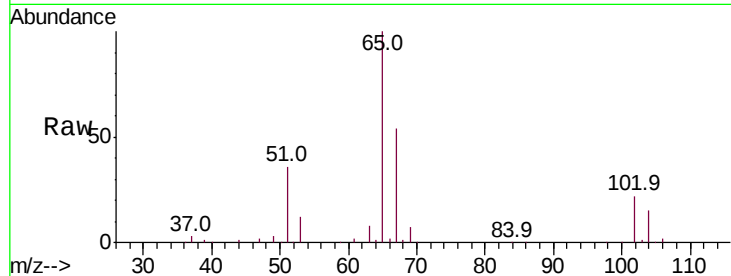




#33
 1,2-Dichloroethane-d4
 Concen: 45.212 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055845.D
 Acq: 28 May 2019 12:01

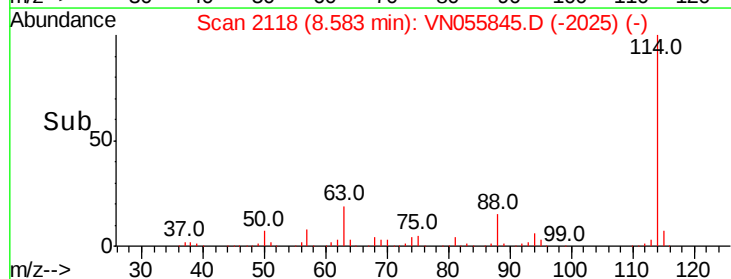
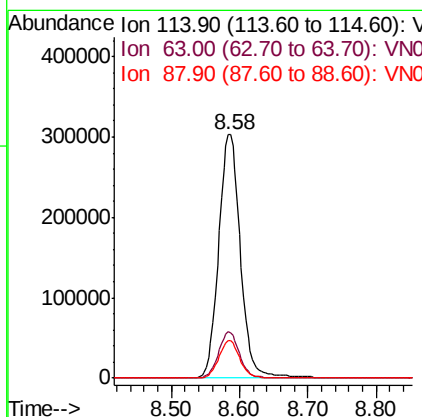
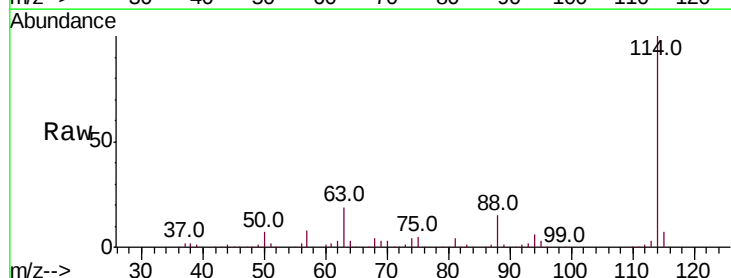
Instrument :
 MSVOA_N
 ClientSampleId :
 0445-FIELD-BLANK-2

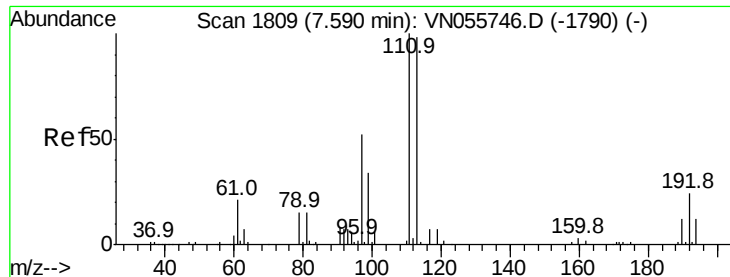
Tot Ion: 65 Resp: 219811
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055845.D
 Acq: 28 May 2019 12:01

Tgt Ion: 114 Resp: 669001
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.3 0.0 31.0

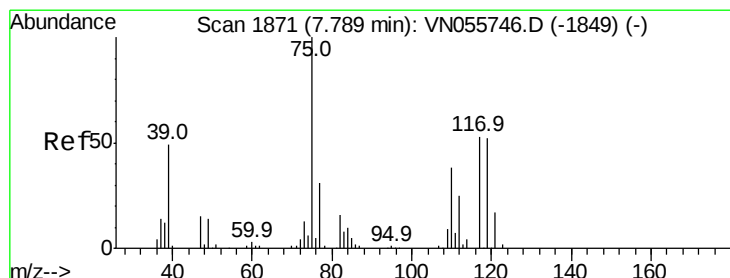
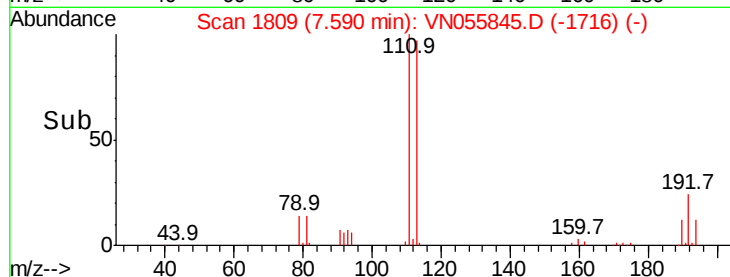
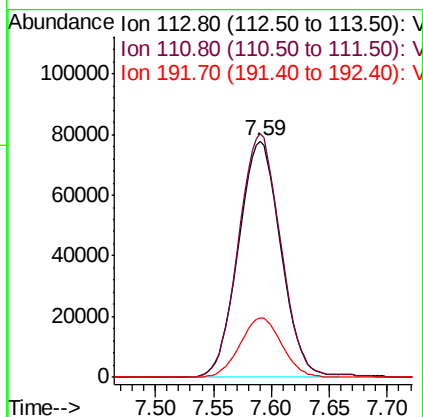
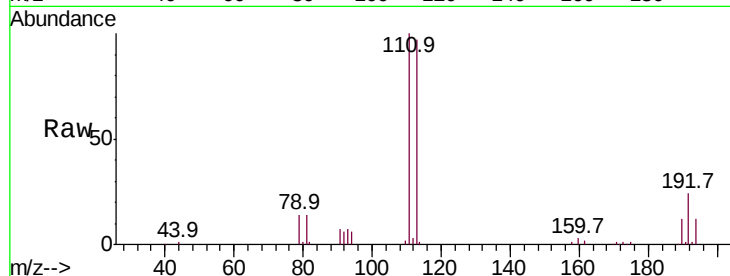




#35
 Dibromofluoromethane
 Concen: 46.694 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055845.D
 Acq: 28 May 2019 12:01

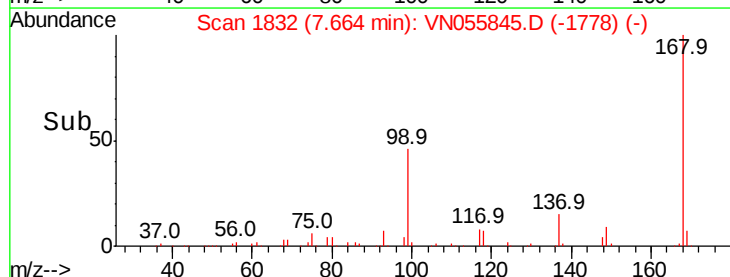
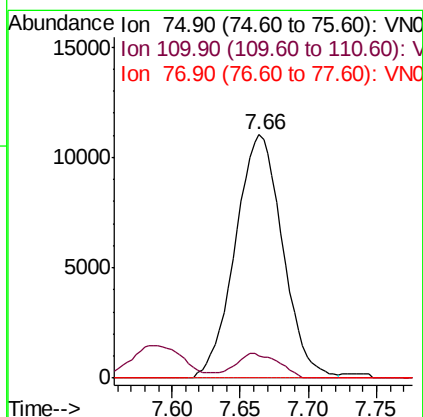
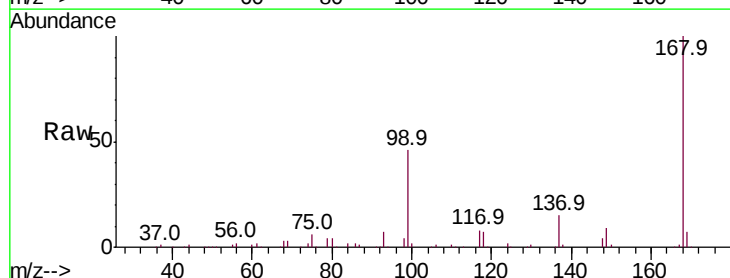
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 0445-FIELD-BLANK-2

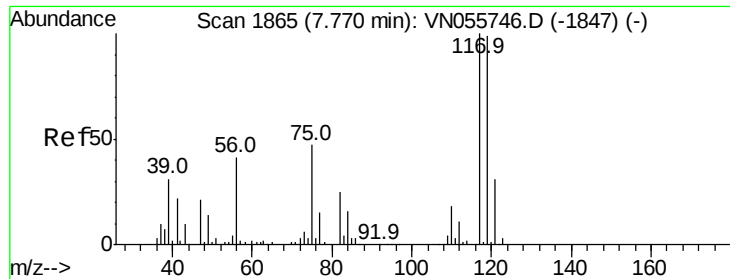
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	25.0	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.560 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055845.D
 Acq: 28 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.0	57.0#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

0445-FIELD-BLANK-2

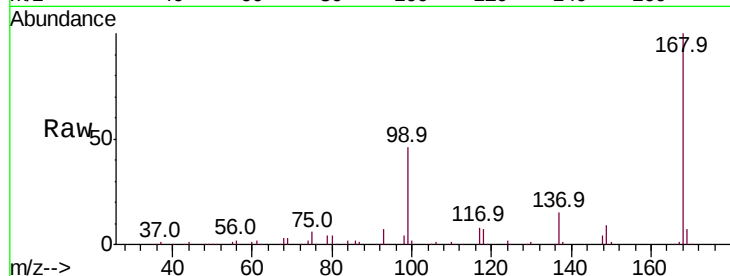
Tot Ion:117 Resp: 37725

Ion Ratio Lower Upper

117 100

119 5.3 79.0 118.6#

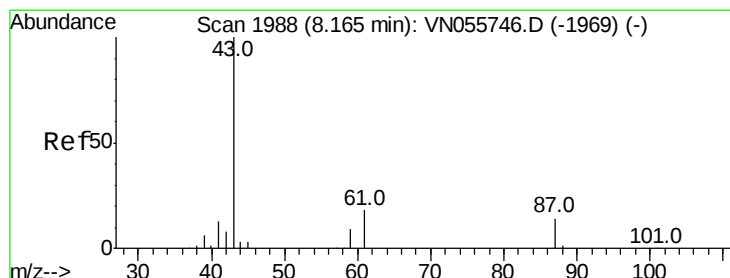
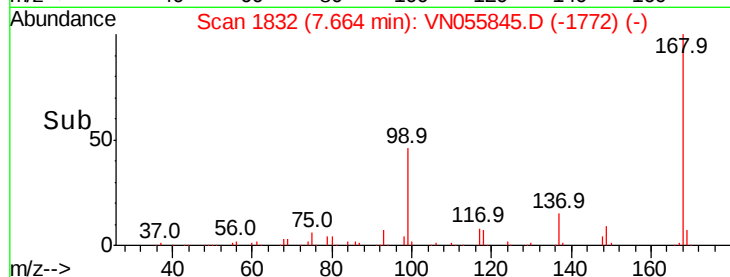
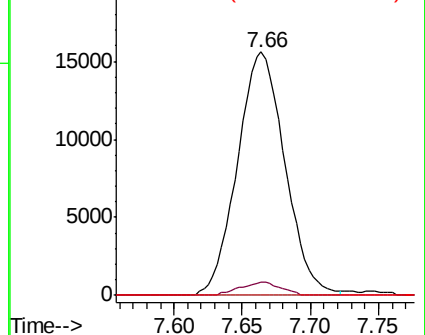
121 0.0 24.7 37.1#



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: 1.006 ug/l

RT: 8.36 min Scan# 2047

Delta R.T. 0.19 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

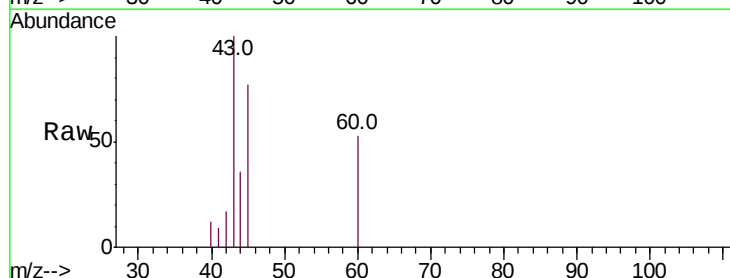
Tgt Ion: 43 Resp: 9526

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

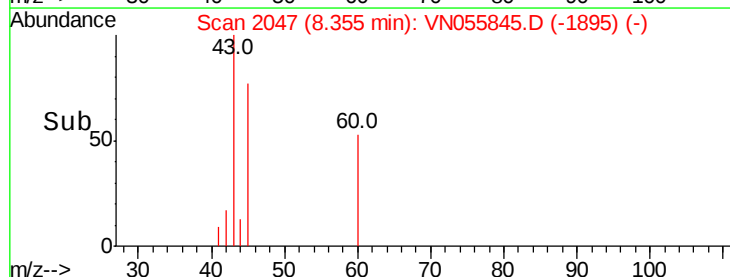
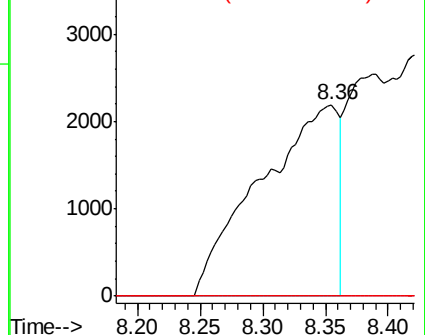
87 0.0 11.4 17.2#

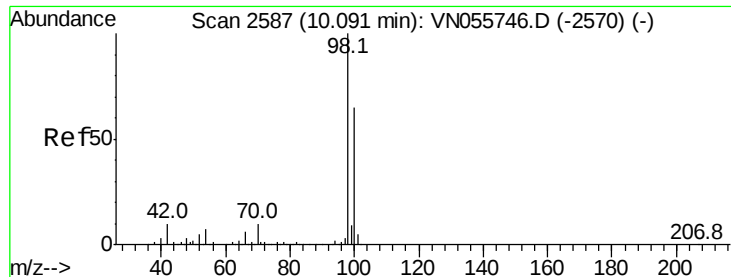


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.403 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

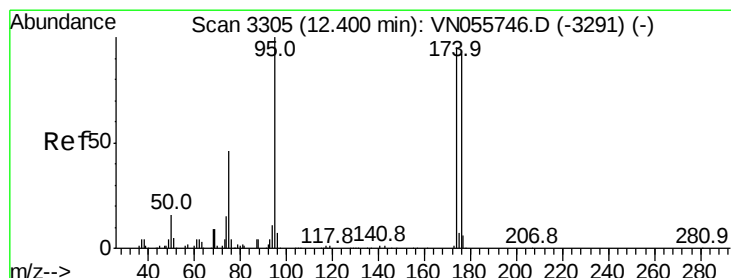
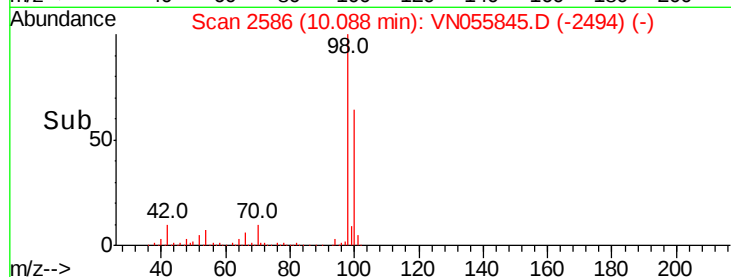
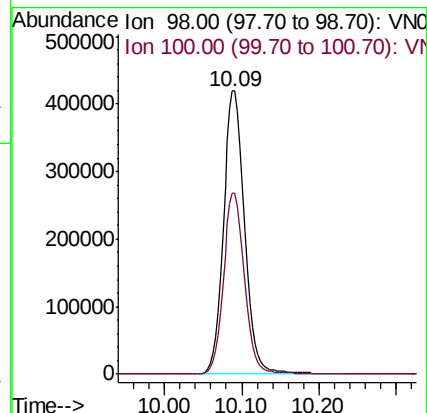
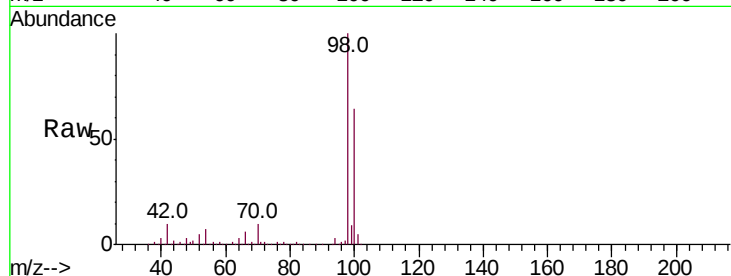
0445-FIELD-BLANK-2

Tot Ion: 98 Resp: 801541

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.739 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

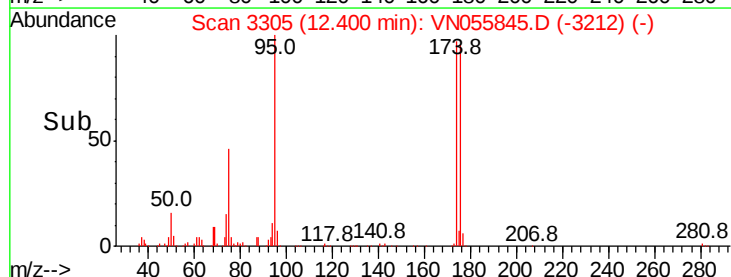
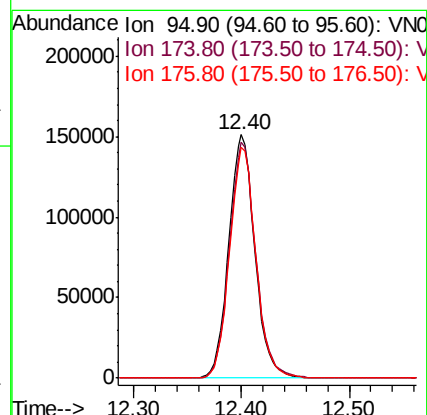
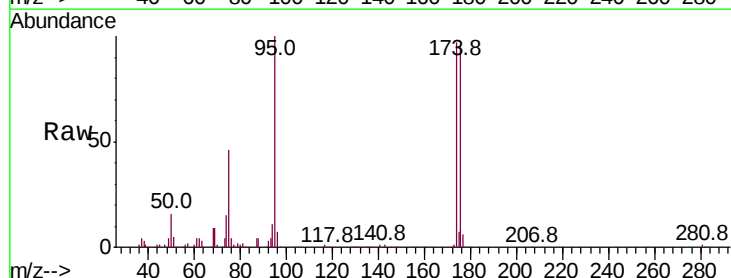
Tgt Ion: 95 Resp: 254458

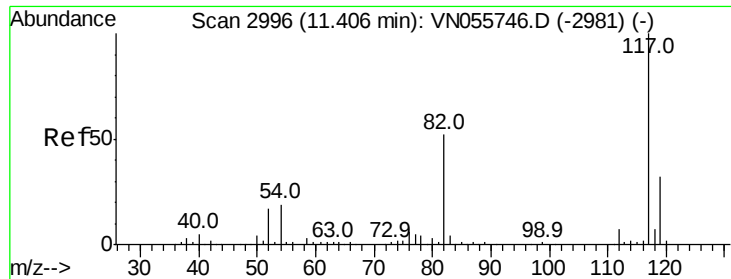
Ion Ratio Lower Upper

95 100

174 97.8 0.0 191.0

176 95.7 0.0 185.2

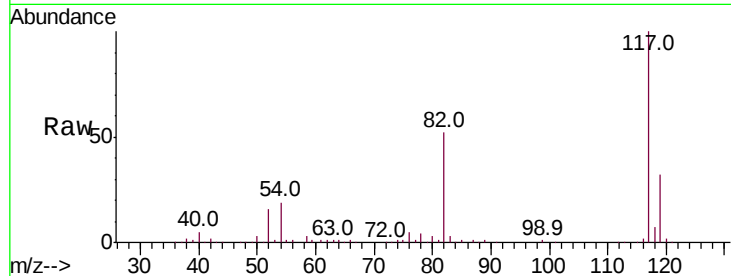




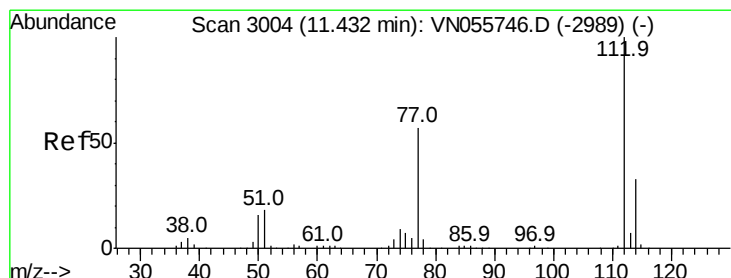
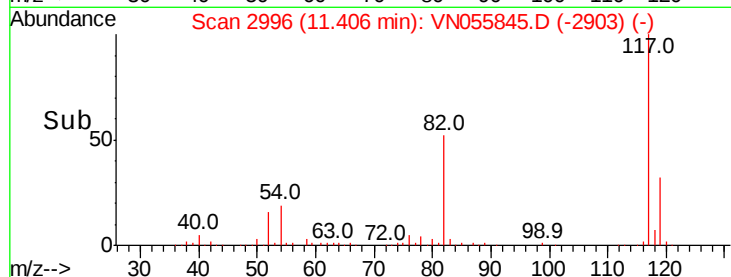
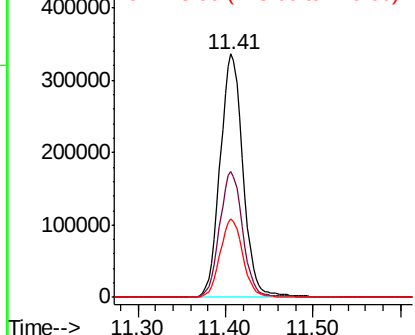
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055845.D
Acq: 28 May 2019 12:01

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

Tot Ion:117 Resp: 611988
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.2 25.4 38.0

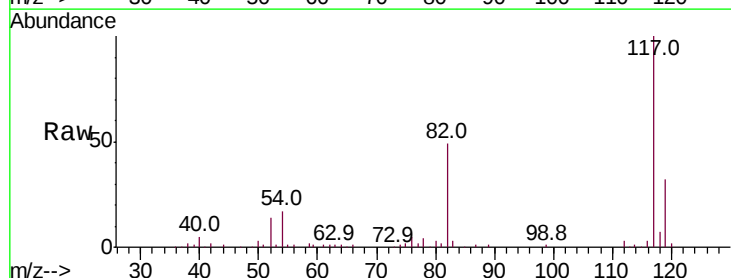


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

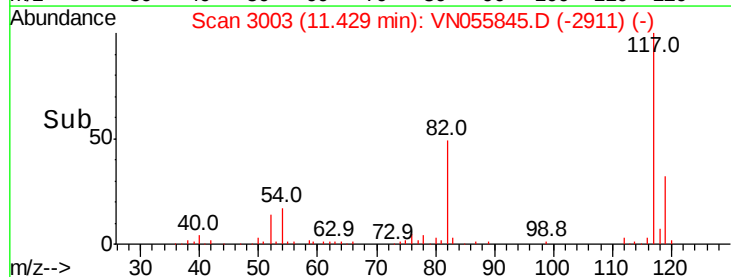
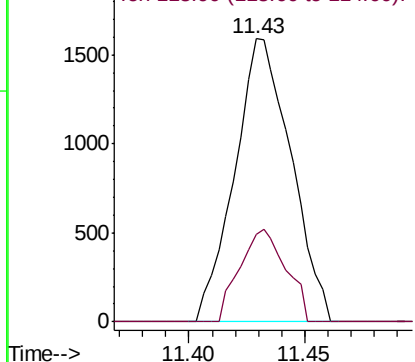


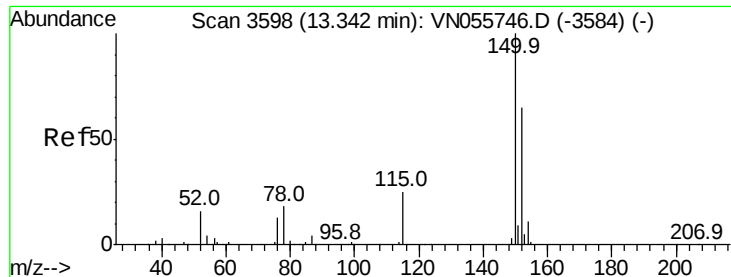
#65
Chlorobenzene
Concen: 0.219 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055845.D
Acq: 28 May 2019 12:01

Tgt Ion:112 Resp: 2688
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

0445-FIELD-BLANK-2

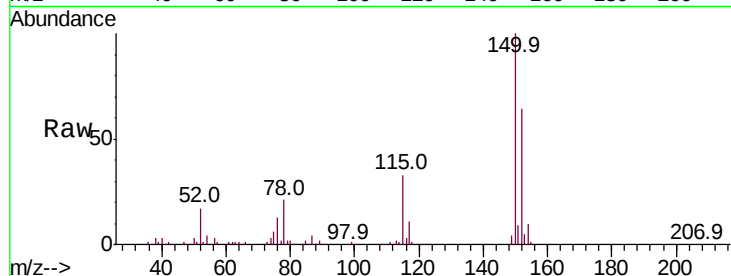
Tot Ion:152 Resp: 209004

Ion Ratio Lower Upper

152 100

115 52.5 27.0 81.0

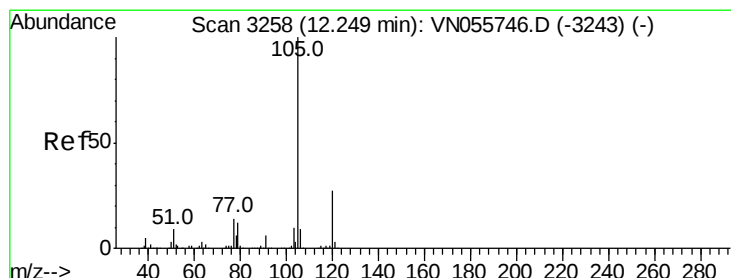
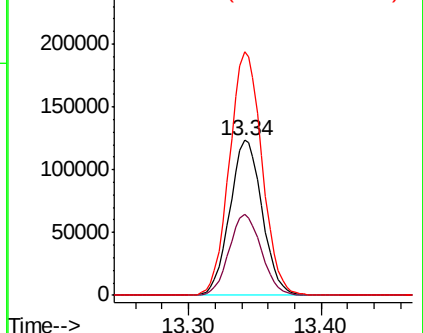
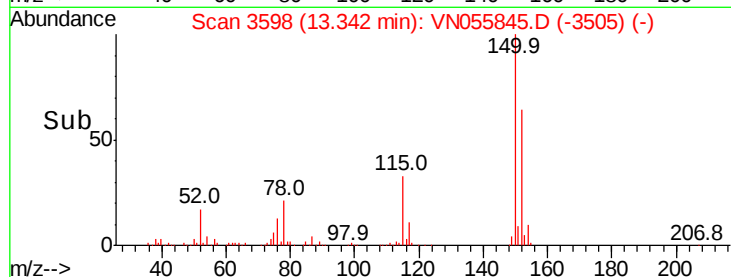
150 158.0 0.0 343.2



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: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN055845.D

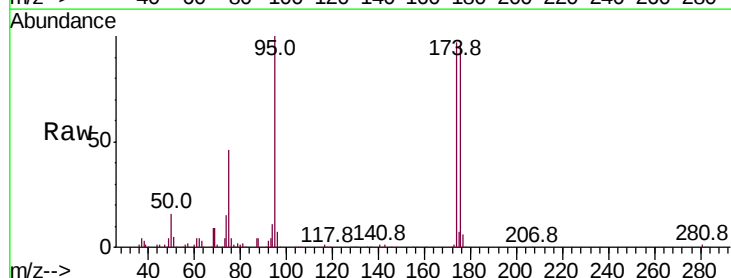
Acq: 28 May 2019 12:01

Tgt Ion:105 Resp: 185

Ion Ratio Lower Upper

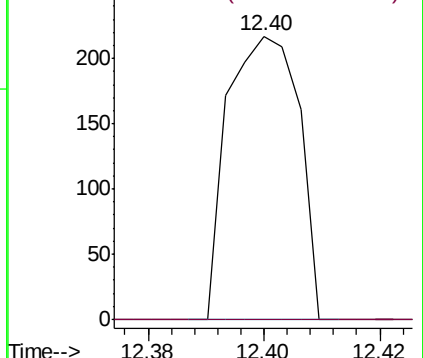
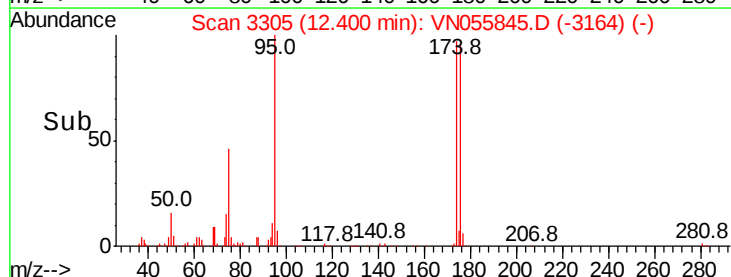
105 100

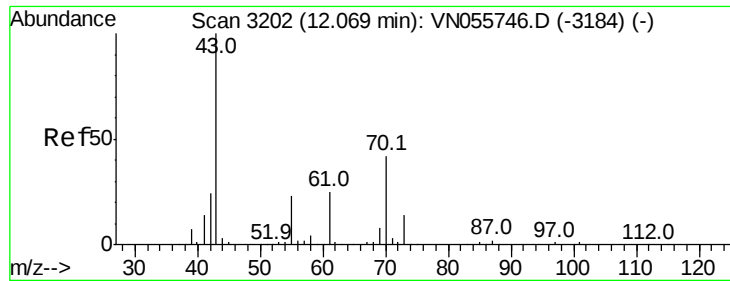
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.10 min Scan# 3211

Delta R.T. 0.03 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

0445-FIELD-BLANK-2

Tot Ion: 43 Resp: 60

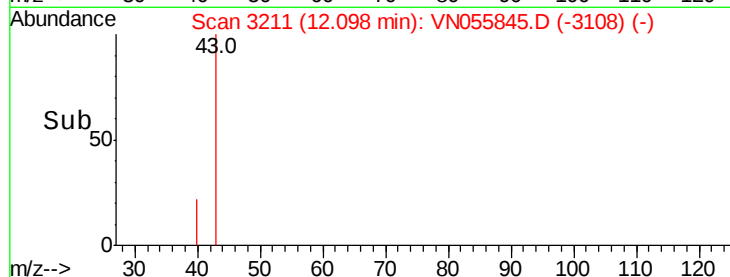
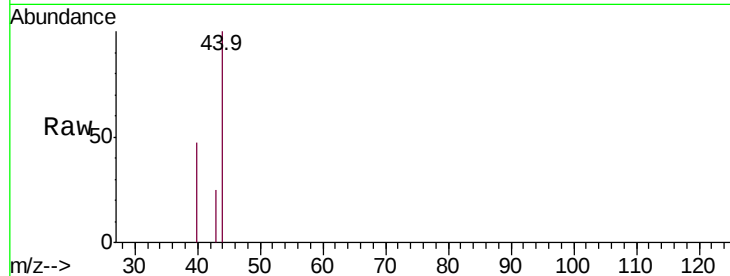
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

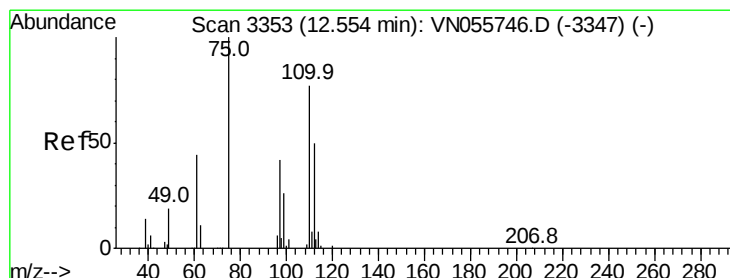
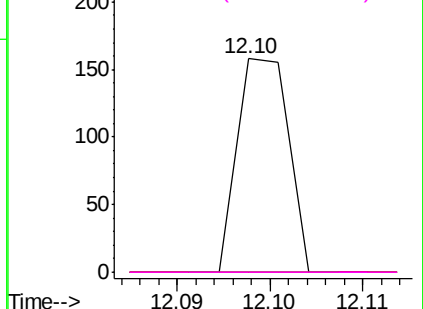


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 31.353 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055845.D

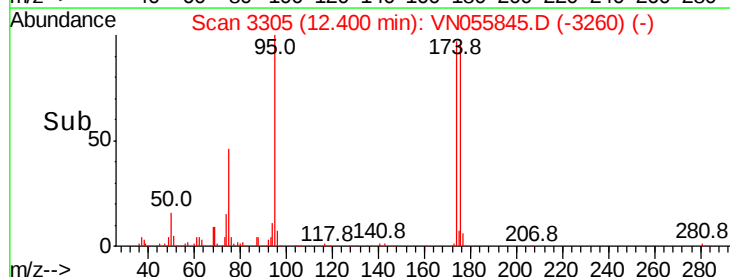
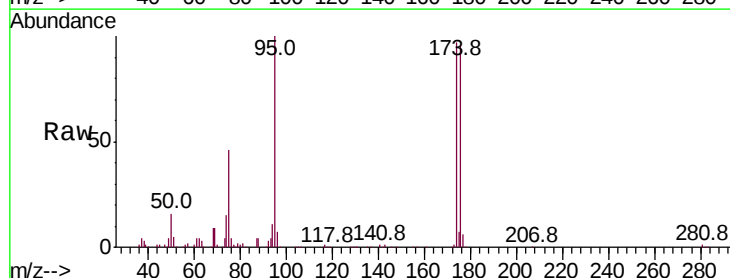
Acq: 28 May 2019 12:01

Tgt Ion: 75 Resp: 117061

Ion Ratio Lower Upper

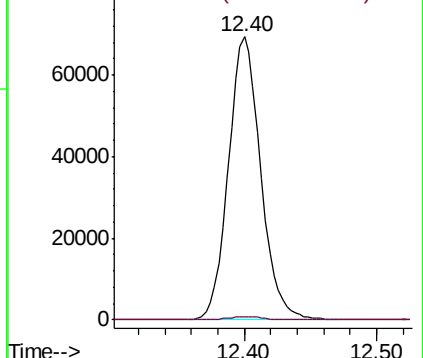
75 100

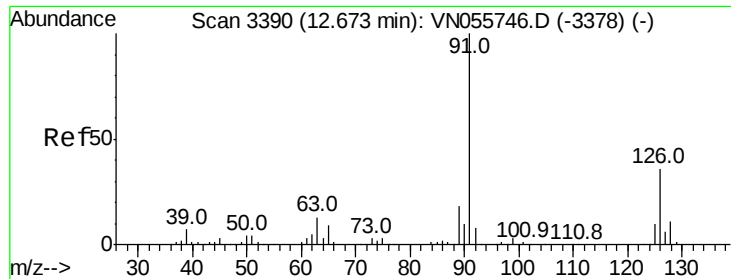
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3363

Delta R.T. -0.09 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

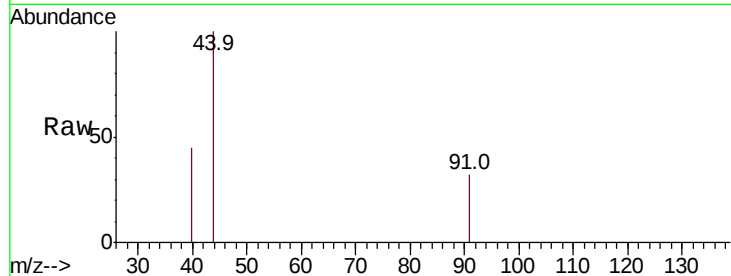
0445-FIELD-BLANK-2

Tot Ion: 91 Resp: 167

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

12.59

200

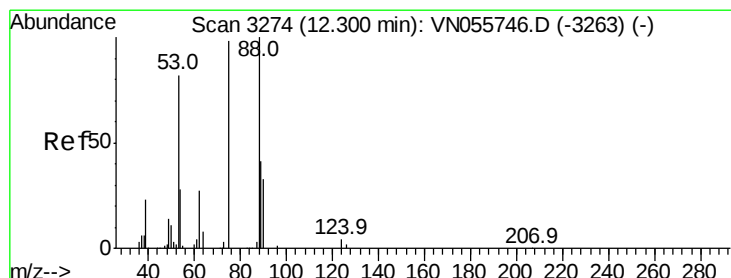
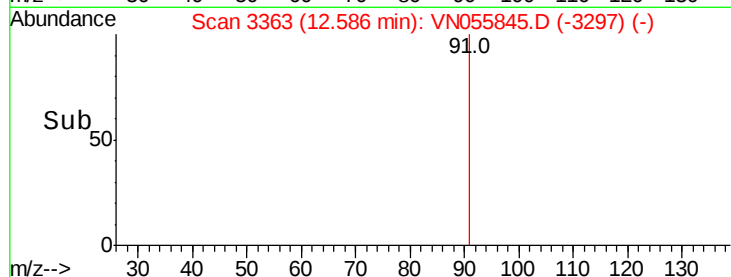
150

100

50

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 75.359 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055845.D

Acq: 28 May 2019 12:01

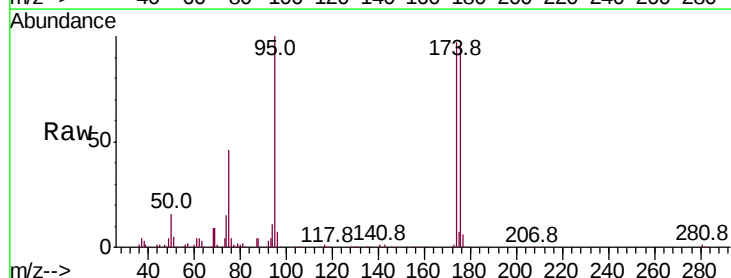
Tgt Ion: 75 Resp: 117061

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

80000

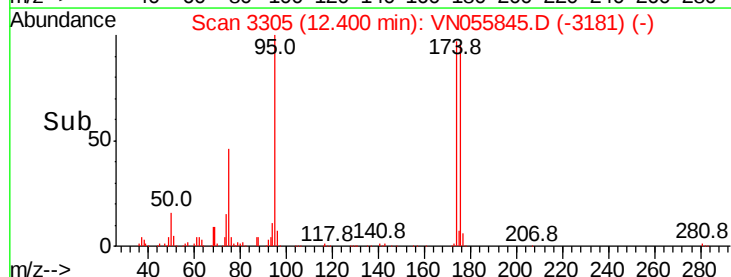
60000

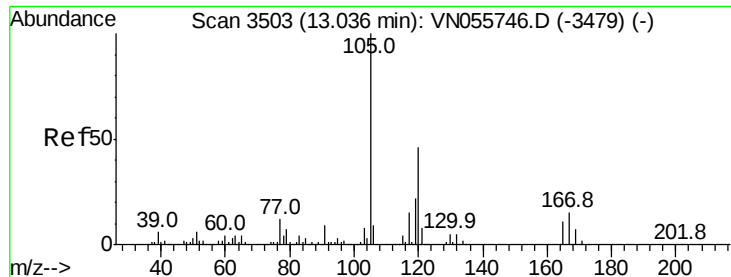
40000

20000

0

Time-->

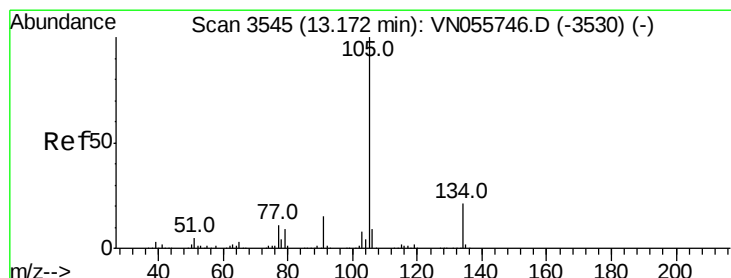
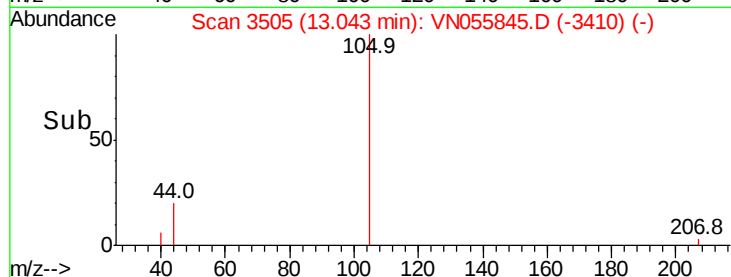
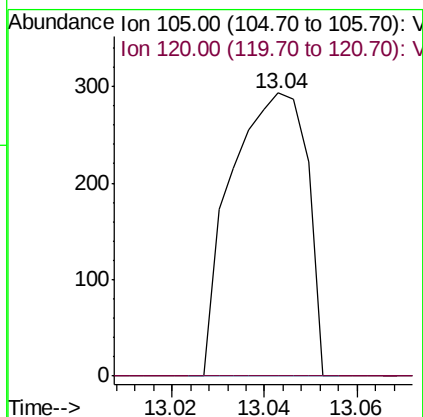
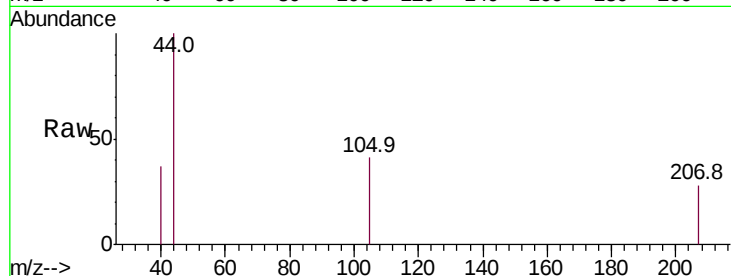




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.01 min
 Lab File: VN055845.D
 Acq: 28 May 2019 12:01

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

Tot Ion:105 Resp: 332
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.0 69.0#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.13 min
 Lab File: VN055845.D
 Acq: 28 May 2019 12:01

Tgt Ion:105 Resp: 332
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

