

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055868.D
 Acq On : 29 May 2019 11:13
 Operator : JC/SP
 Sample : VN0529WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBL02

Quant Time: May 30 06:53:07 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	411042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	582164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176797	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	194598	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
35) Dibromofluoromethane	7.59	113	174949	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	10.09	98	700667	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	217690	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

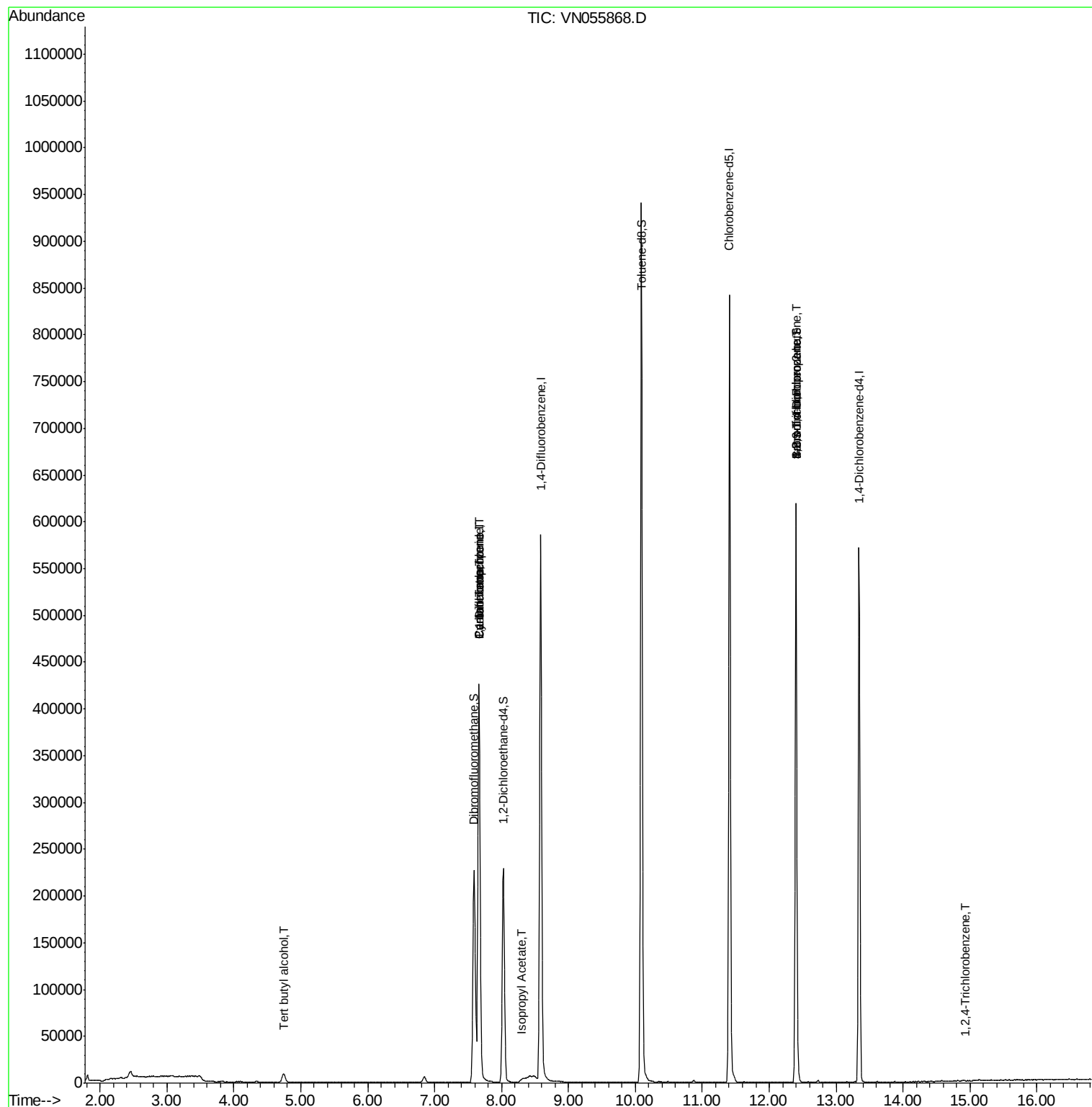
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	8555	10.548	ug/l #	74
18) Methyl Acetate	4.34	43	1806	Below Cal	#	59
31) Cyclohexane	7.66	56	5840	0.917	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	23875	4.706	ug/l #	48
38) Carbon Tetrachloride	7.66	117	32545	6.159	ug/l #	14
43) Isopropyl Acetate	8.29	43	3716	0.451	ug/l #	53
71) Bromoform	12.41	173	1462	0.403	ug/l #	1
73) Isopropylbenzene	12.25	105	262	Below Cal	#	48
74) N-amyl acetate	12.07	43	95	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	102578	32.600	ug/l #	100
79) 2-Chlorotoluene	12.68	91	183	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	335	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	102578	78.065	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	486	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	346	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	455	3.760	ug/l #	63

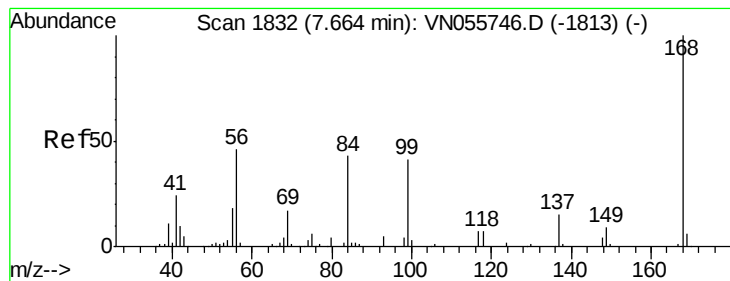
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

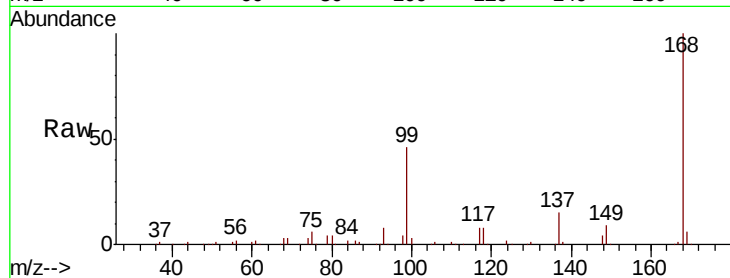
VN0529WBL02

Tot Ion:168 Resp: 411042

Ion Ratio Lower Upper

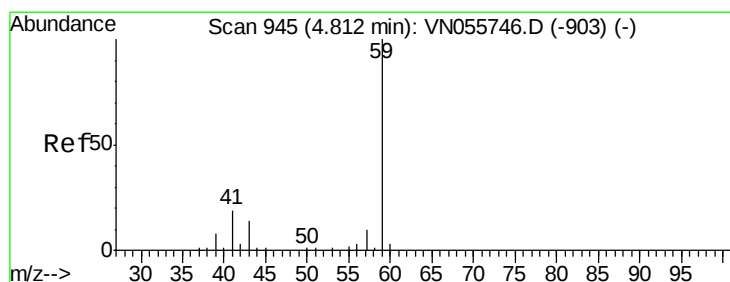
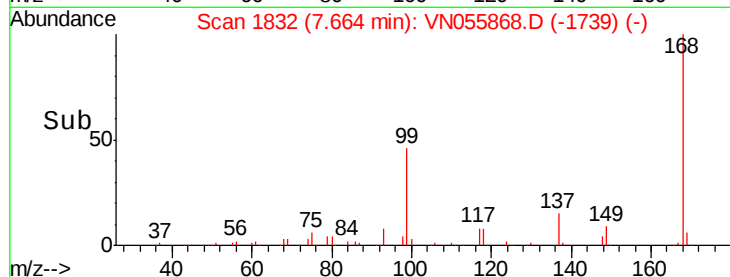
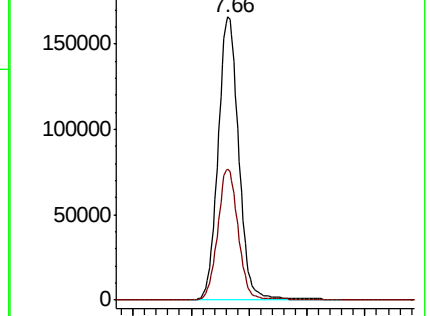
168 100

99 46.4 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: 10.548 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.07 min

Lab File: VN055868.D

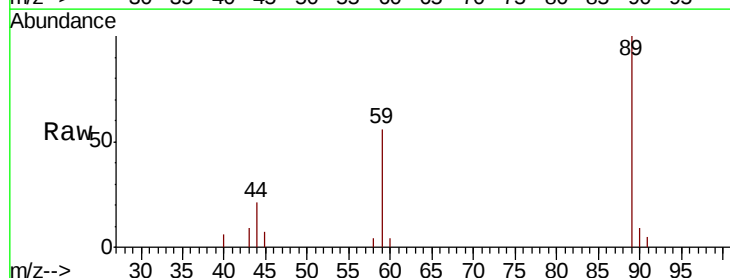
Acq: 29 May 2019 11:13

Tgt Ion: 59 Resp: 8555

Ion Ratio Lower Upper

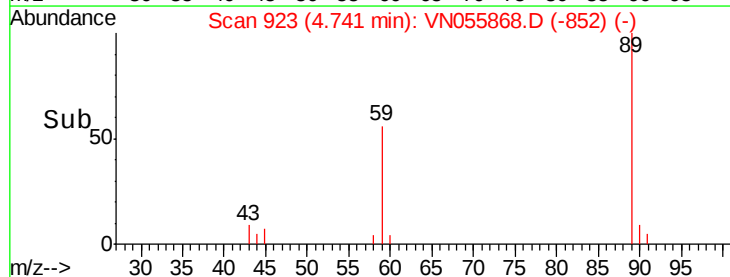
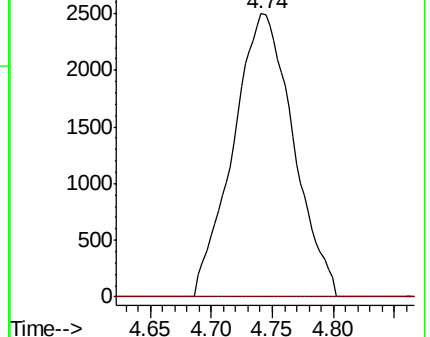
59 100

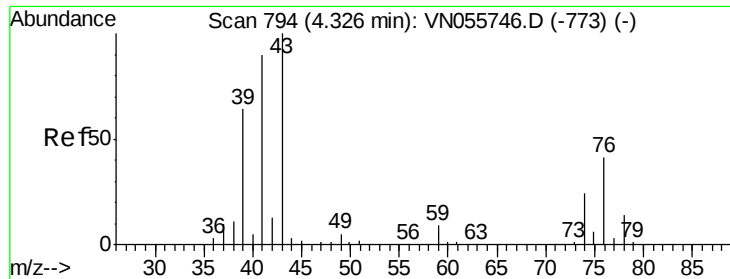
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

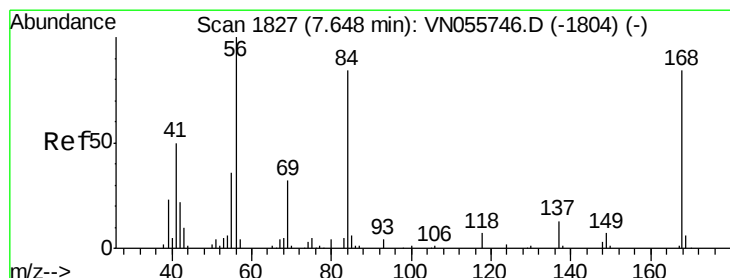
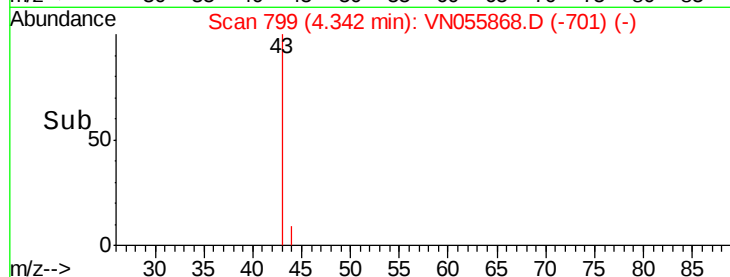
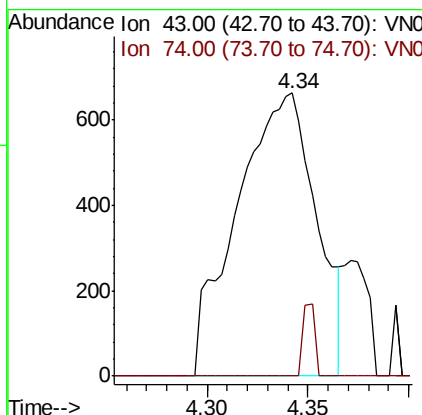
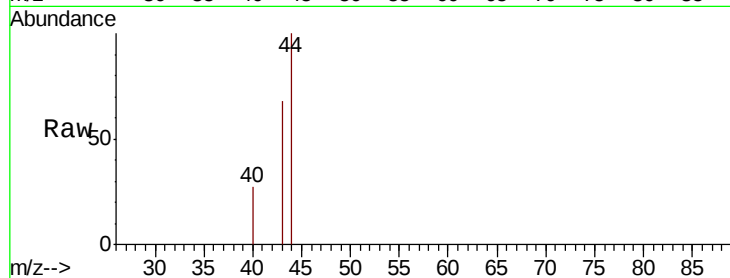




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN055868.D
Acq: 29 May 2019 11:13

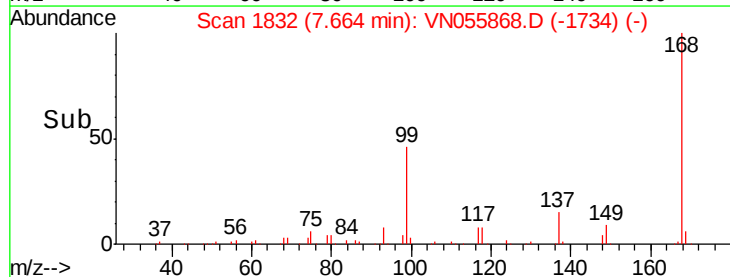
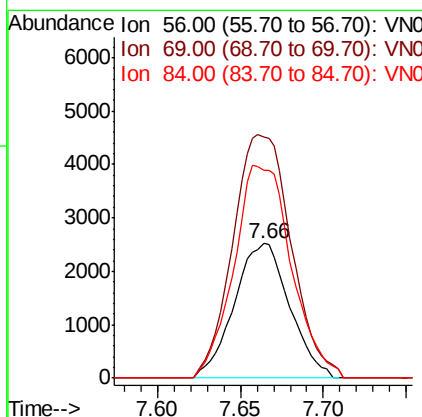
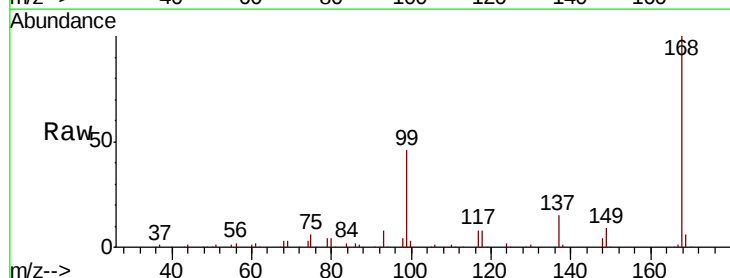
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBL02

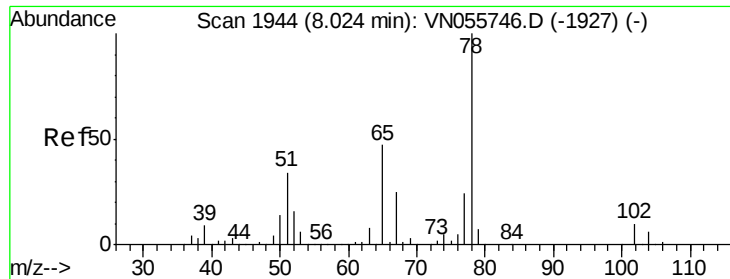
Tot Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
74 3.6 19.3 28.9#



#31
Cyclohexane
Concen: 0.917 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055868.D
Acq: 29 May 2019 11:13

Tgt Ion: 56 Resp: 5840
Ion Ratio Lower Upper
56 100
69 179.3 25.6 38.4#
84 155.0 67.4 101.0#

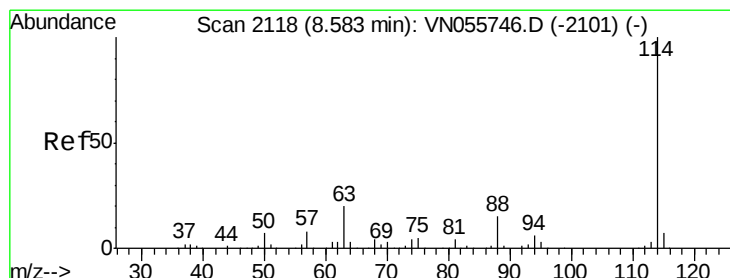
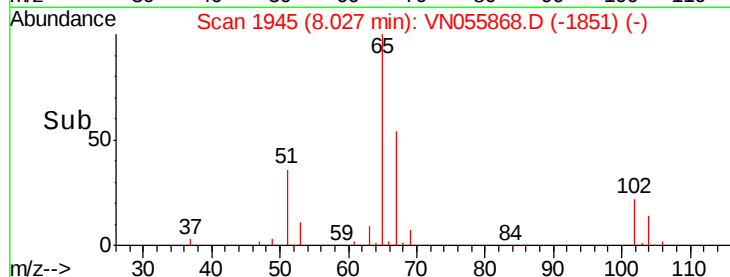
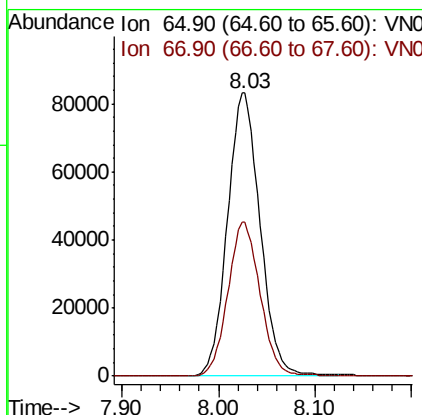
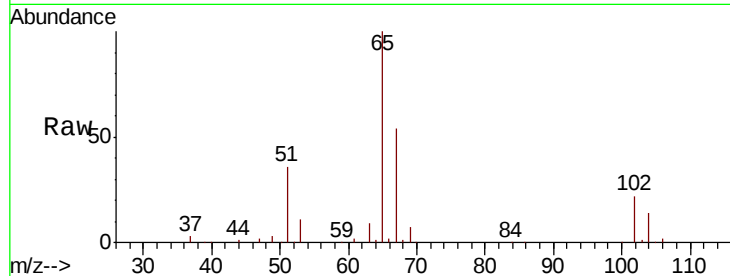




#33
 1,2-Dichloroethane-d4
 Concen: 45.843 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055868.D
 Acq: 29 May 2019 11:13

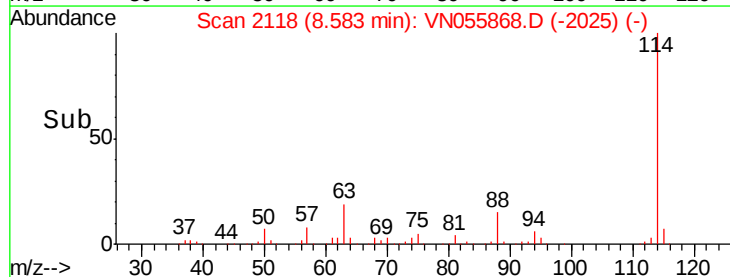
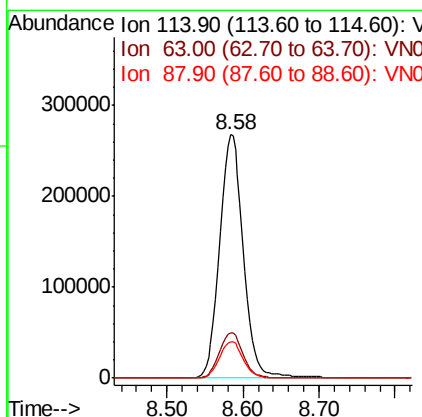
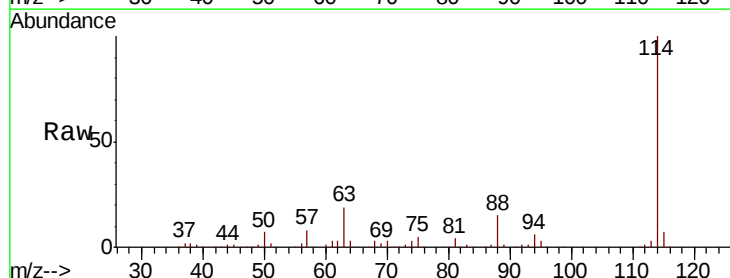
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBL02

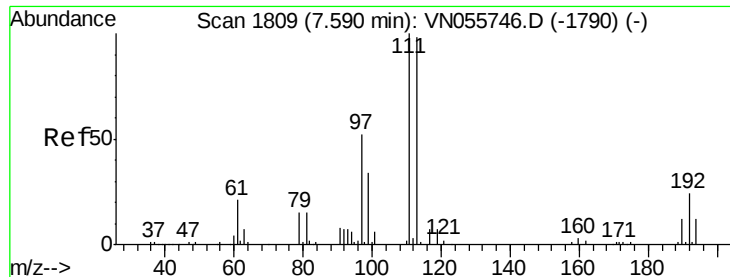
Tot Ion: 65 Resp: 194598
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055868.D
 Acq: 29 May 2019 11:13

Tgt Ion: 114 Resp: 582164
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.1 0.0 31.0

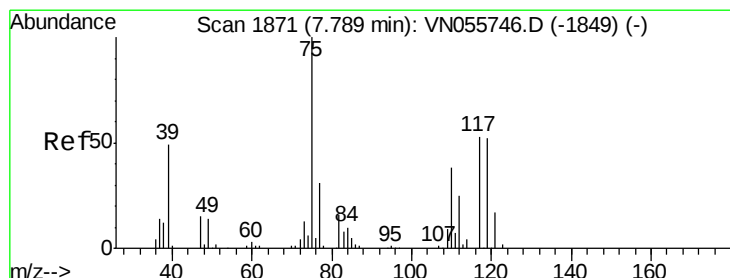
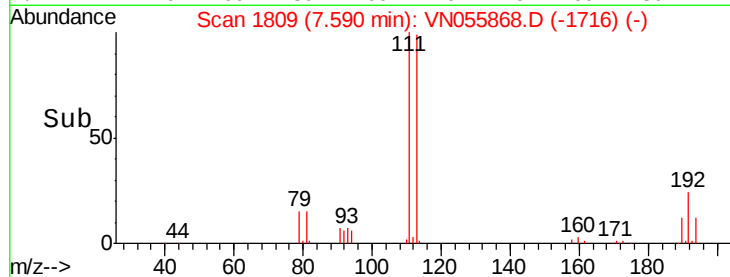
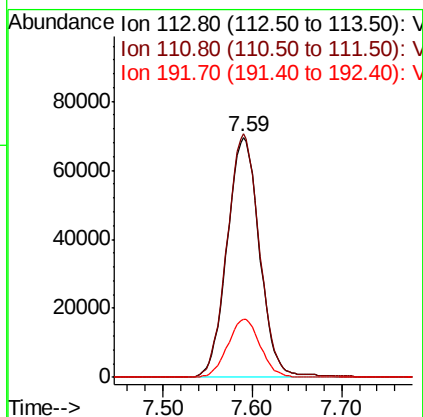
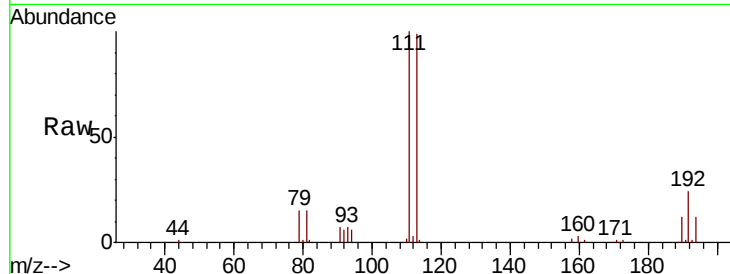




#35
 Dibromofluoromethane
 Concen: 47.532 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055868.D
 Acq: 29 May 2019 11:13

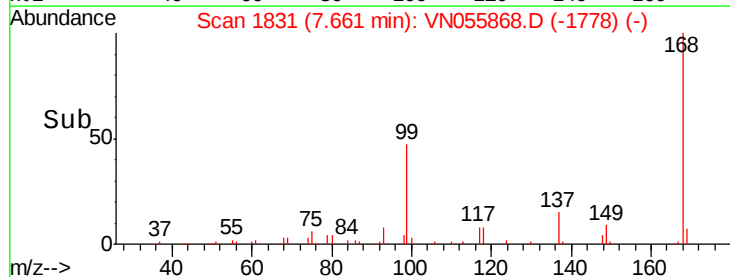
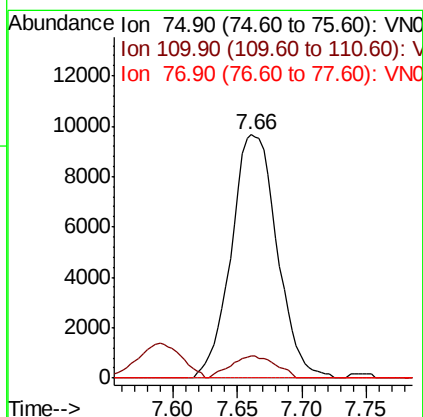
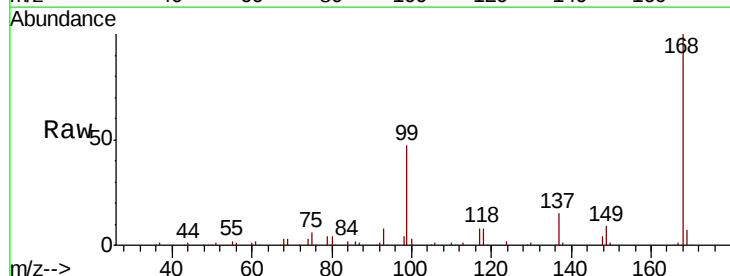
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBL02

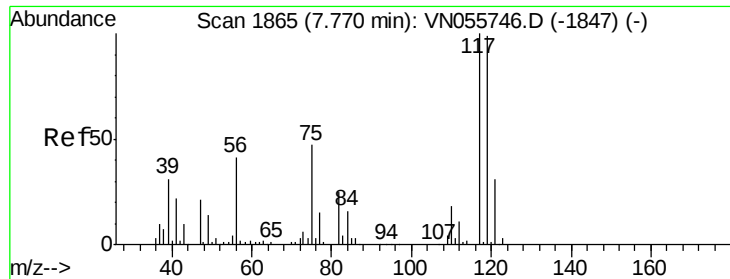
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.9	122.9
192	24.3	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055868.D
 Acq: 29 May 2019 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.0	57.0#
77	0.0	25.1	37.7#

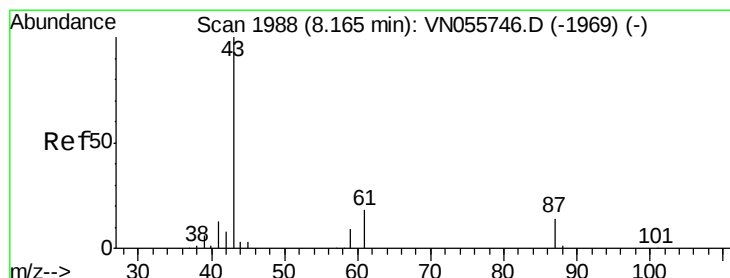
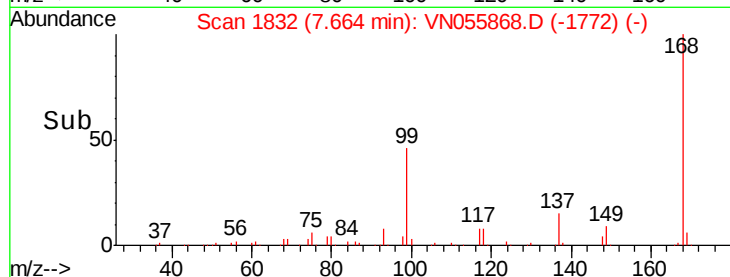
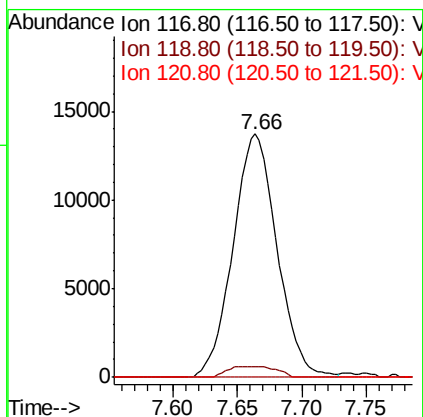
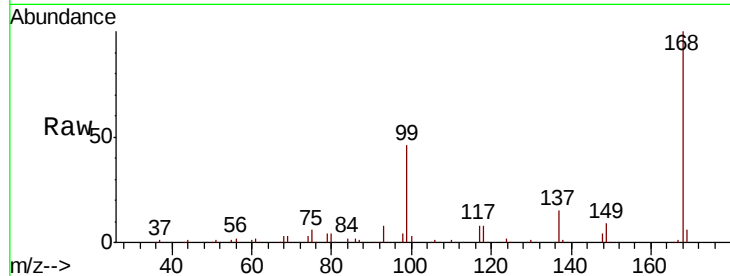




#38
Carbon Tetrachloride
Concen: 6.159 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055868.D
Acq: 29 May 2019 11:13

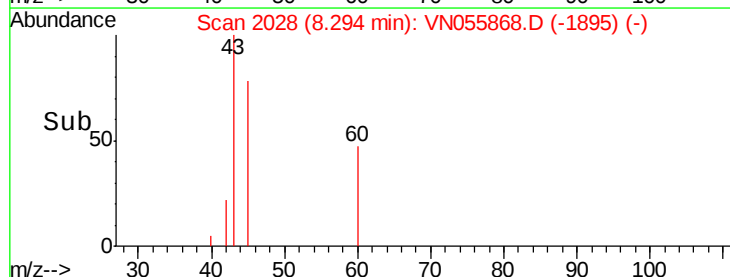
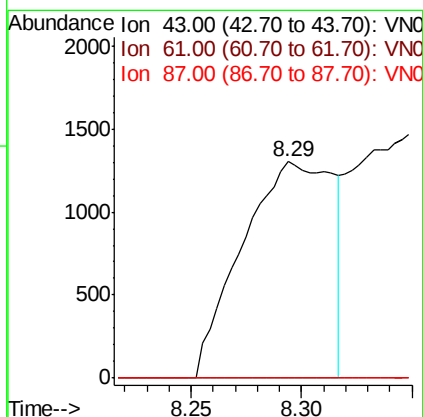
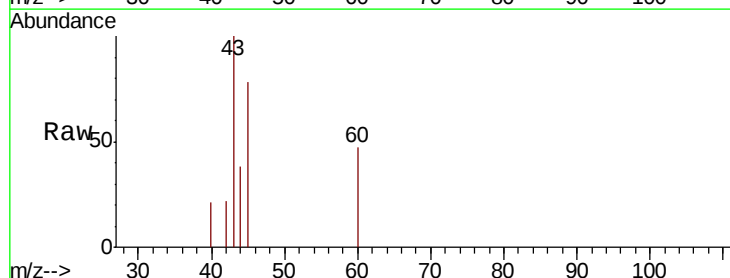
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBL02

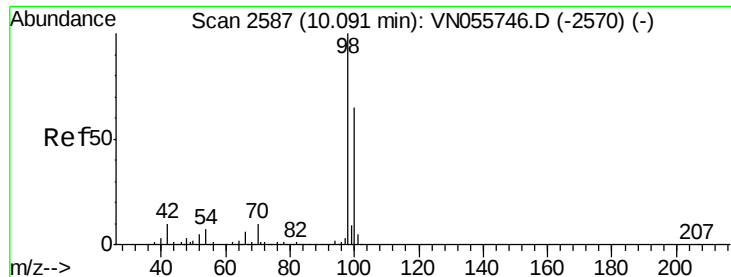
Tot Ion:117 Resp: 32545
Ion Ratio Lower Upper
117 100
119 4.5 79.0 118.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 0.451 ug/l
RT: 8.29 min Scan# 2028
Delta R.T. 0.13 min
Lab File: VN055868.D
Acq: 29 May 2019 11:13

Tgt Ion: 43 Resp: 3716
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#50

Toluene-d8

Concen: 49.627 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

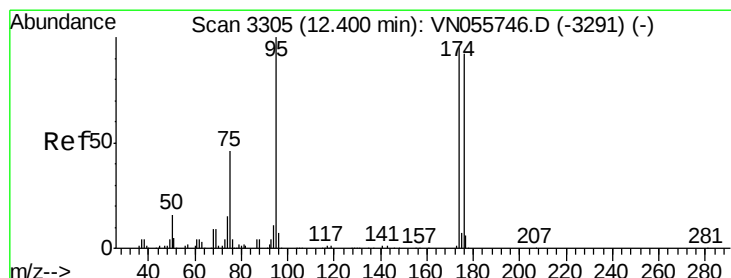
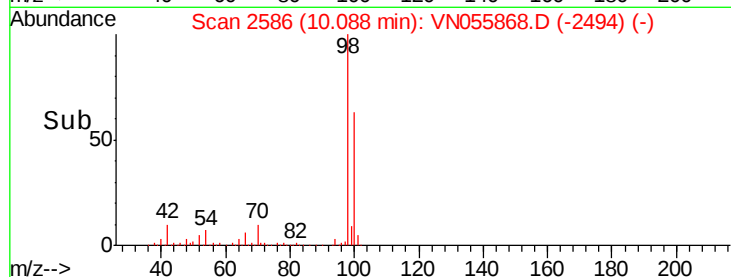
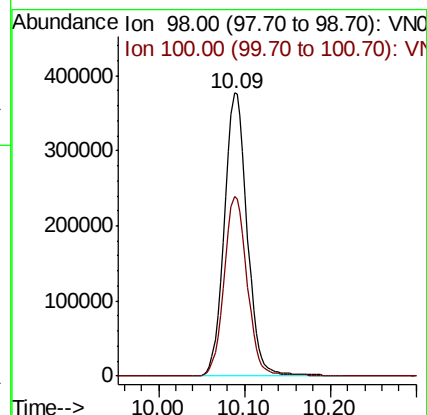
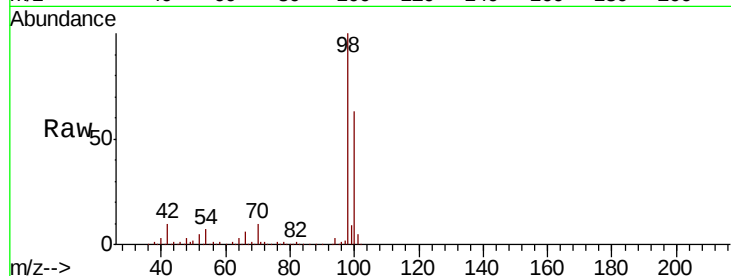
VN0529WBL02

Tot Ion: 98 Resp: 700667

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.967 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

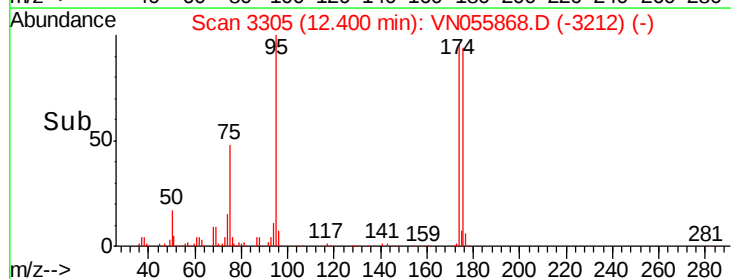
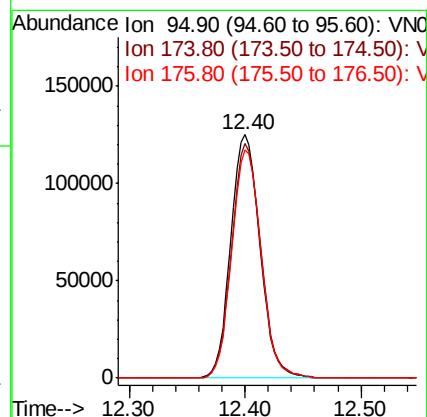
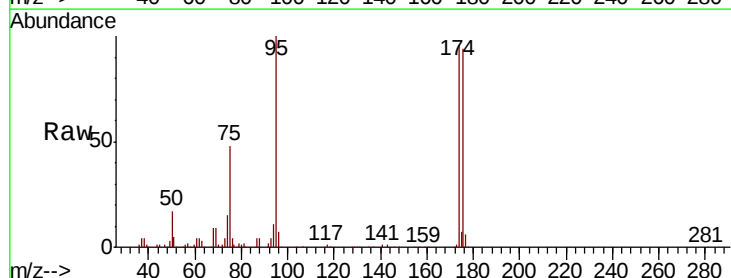
Tgt Ion: 95 Resp: 217690

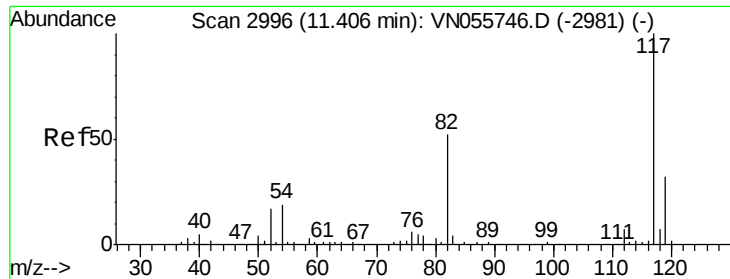
Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

176 93.7 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: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBL02

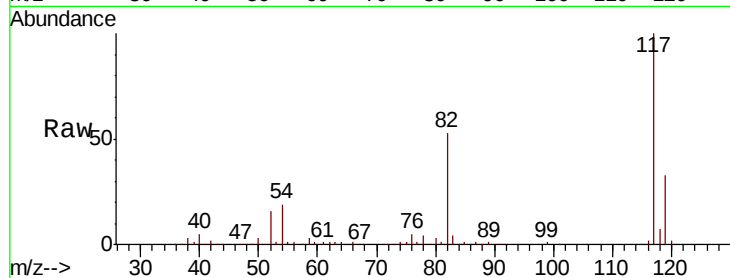
Tot Ion:117 Resp: 532845

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.8

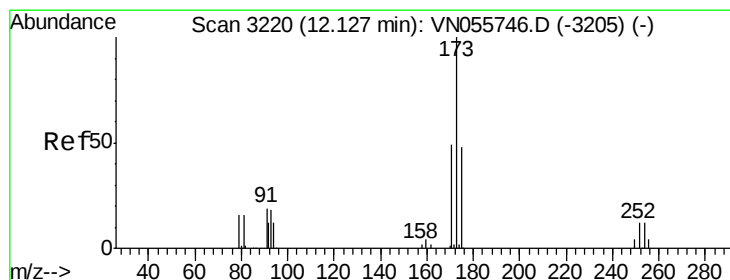
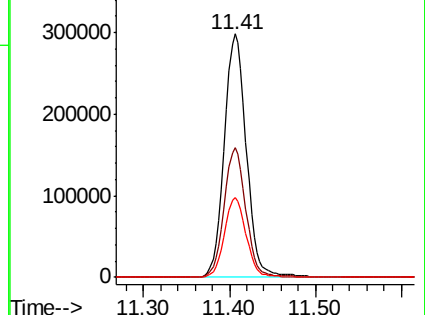
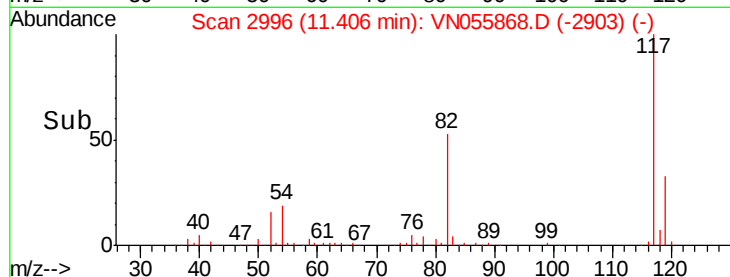
119 32.7 25.4 38.0



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



#71

Bromoform

Concen: 0.403 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

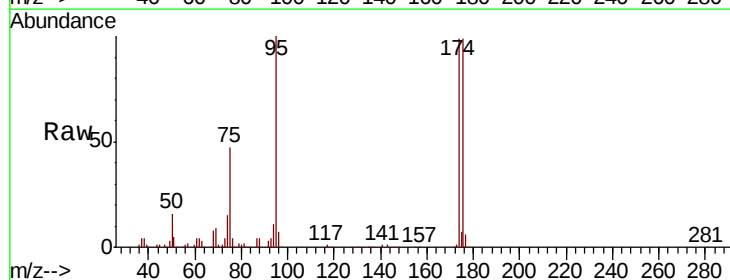
Tgt Ion:173 Resp: 1462

Ion Ratio Lower Upper

173 100

175 908.9 24.3 72.8#

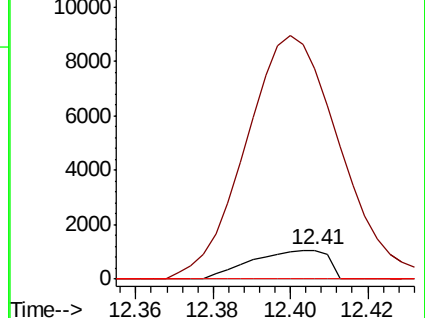
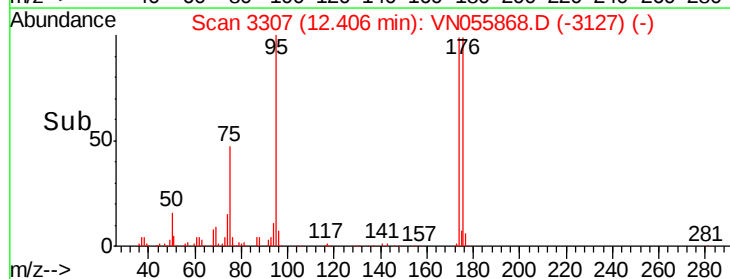
254 0.0 0.0 0.0

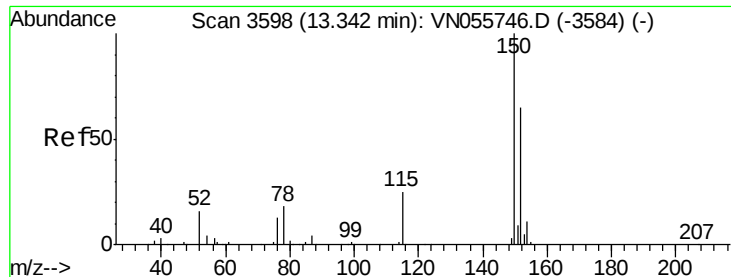


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBL02

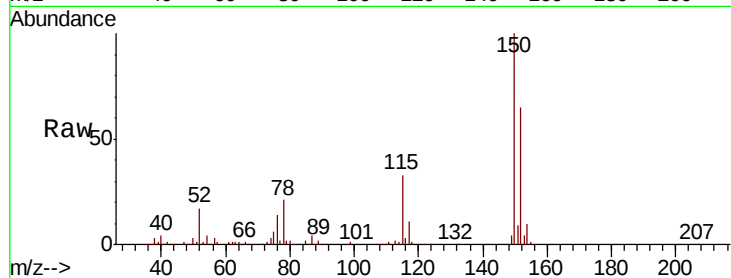
Tot Ion:152 Resp: 176797

Ion Ratio Lower Upper

152 100

115 51.9 27.0 81.0

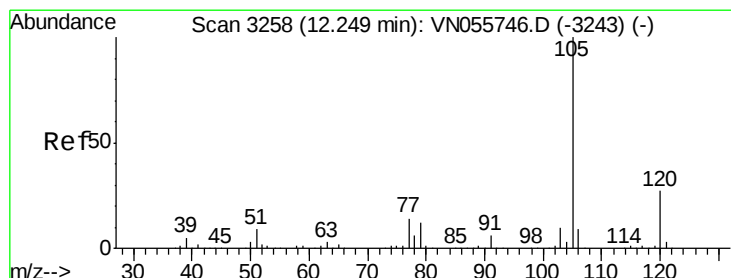
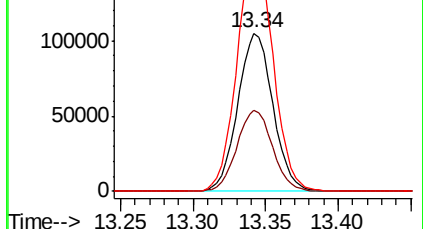
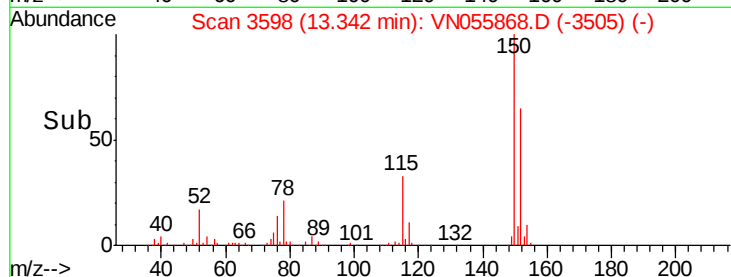
150 155.7 0.0 343.2



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: VN055868.D

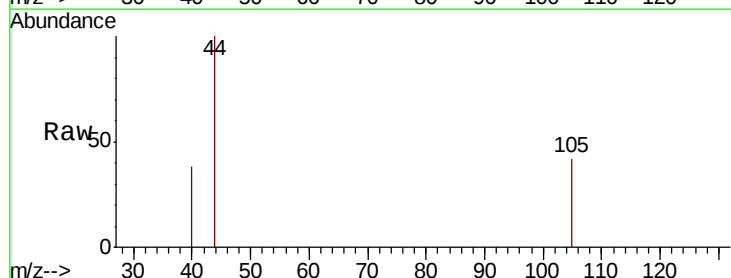
Acq: 29 May 2019 11:13

Tgt Ion:105 Resp: 262

Ion Ratio Lower Upper

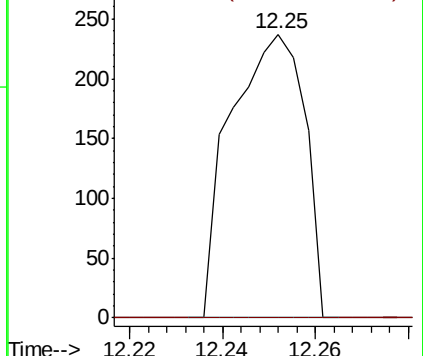
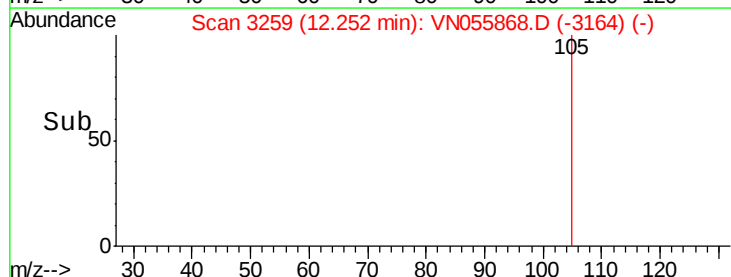
105 100

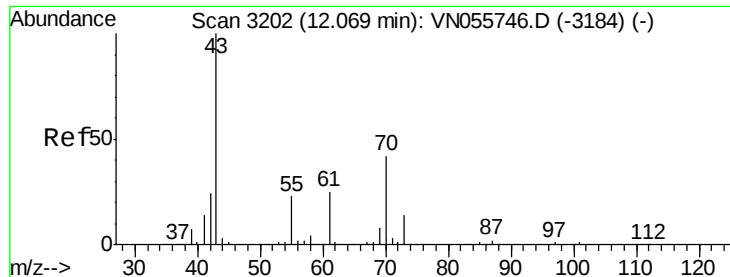
120 0.0 13.6 40.7#



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: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

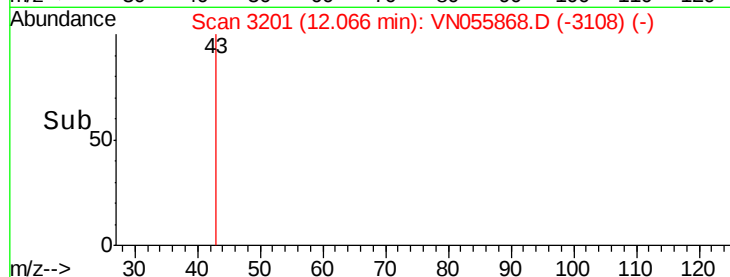
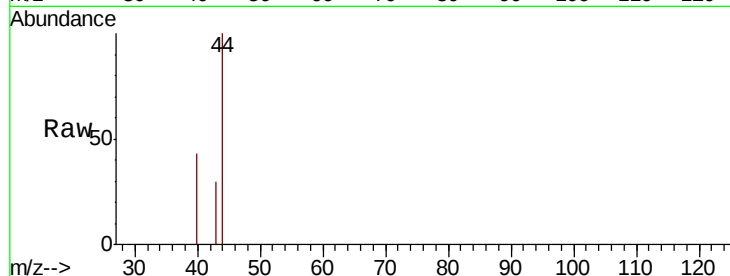
MSVOA_N

ClientSampled :

VN0529WBL02

Tot Ion: 43 Resp: 95

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#

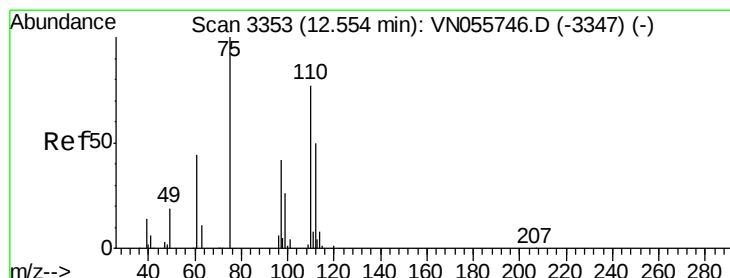
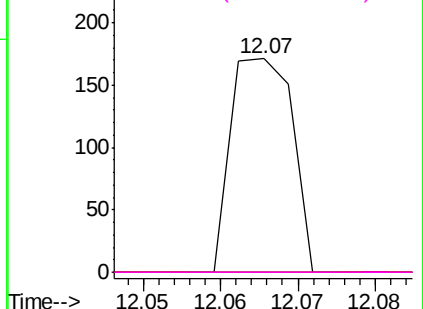


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 32.600 ug/l

RT: 12.40 min Scan# 3305

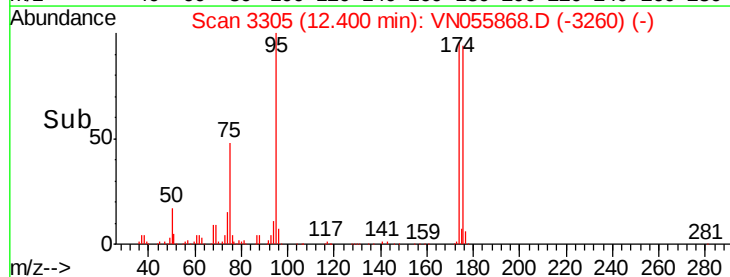
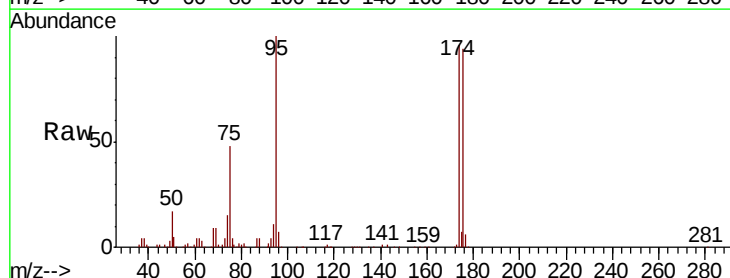
Delta R.T. -0.15 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

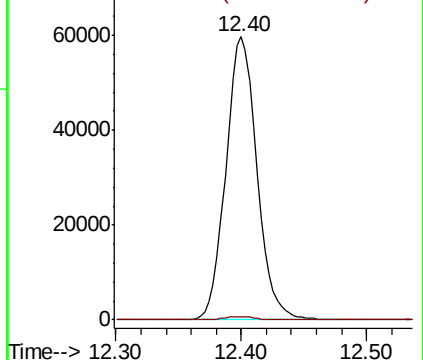
Tgt Ion: 75 Resp: 102578

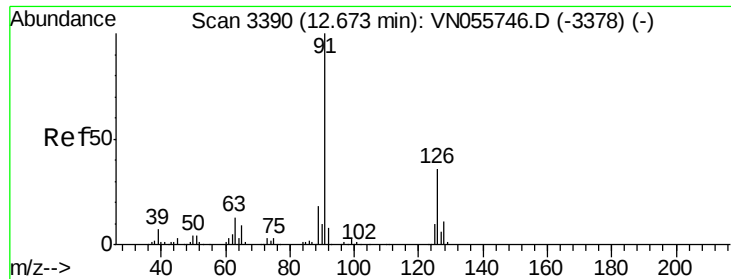
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



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: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

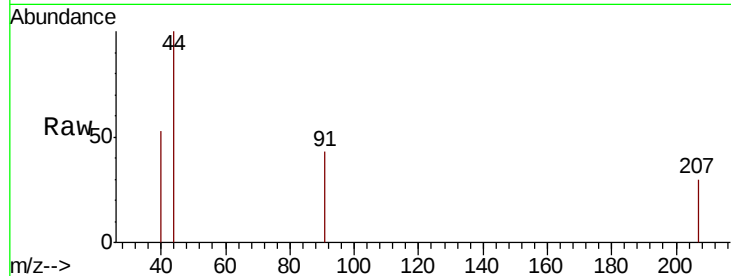
VN0529WBL02

Tot Ion: 91 Resp: 183

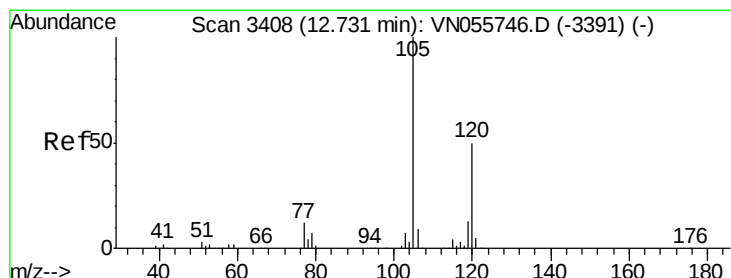
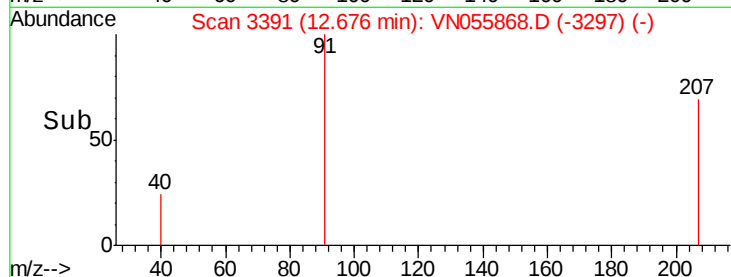
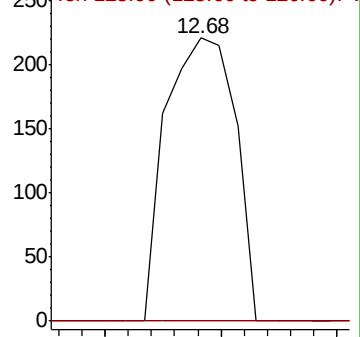
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN055868.D

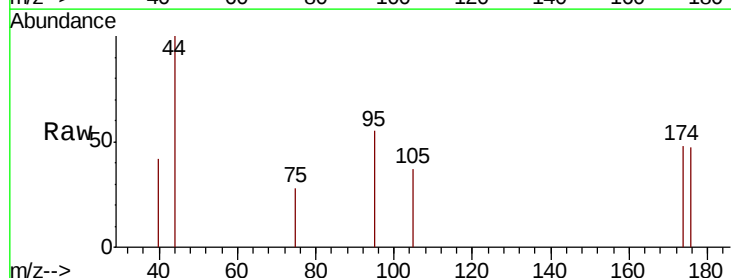
Acq: 29 May 2019 11:13

Tgt Ion: 105 Resp: 335

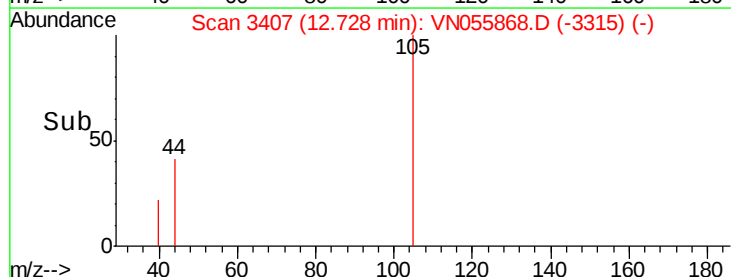
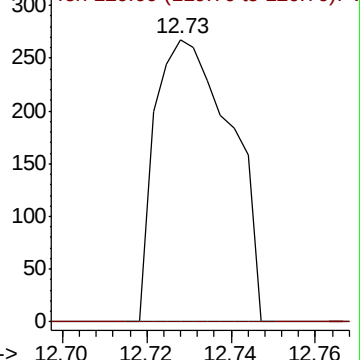
Ion Ratio Lower Upper

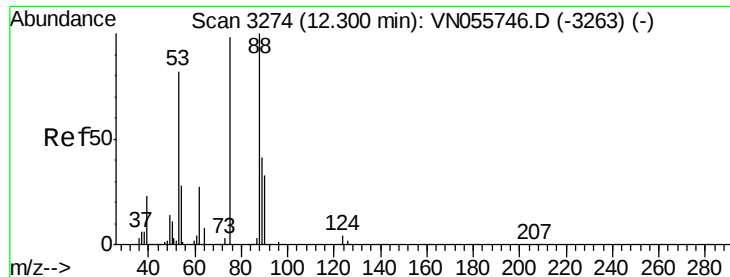
105 100

120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 78.065 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBL02

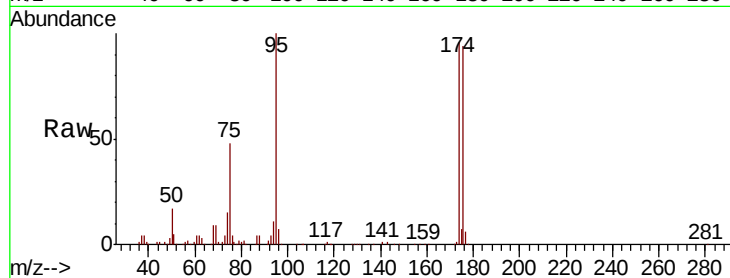
Tot Ion: 75 Resp: 102578

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

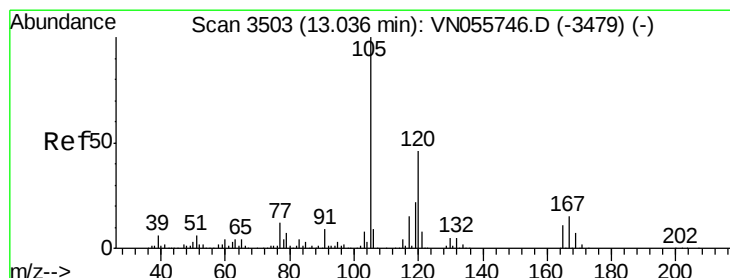
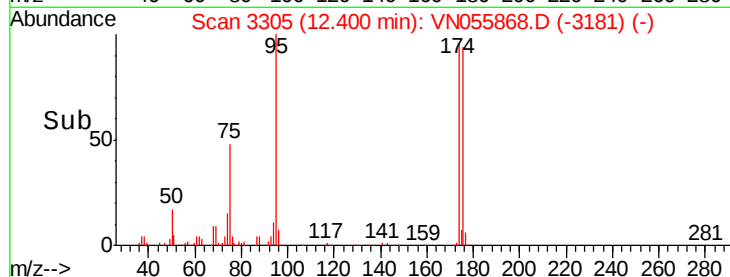
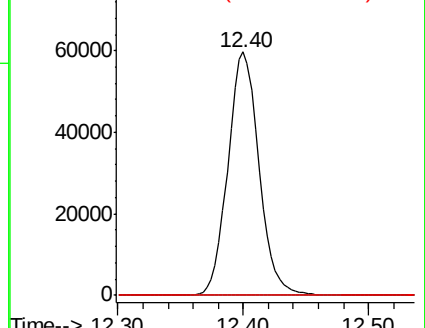
89 0.0 36.9 55.3#



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



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3505

Delta R.T. 0.01 min

Lab File: VN055868.D

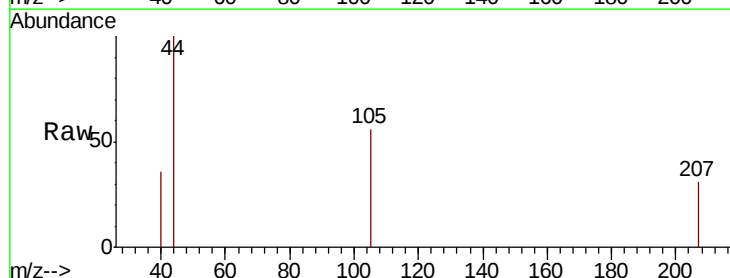
Acq: 29 May 2019 11:13

Tgt Ion: 105 Resp: 486

Ion Ratio Lower Upper

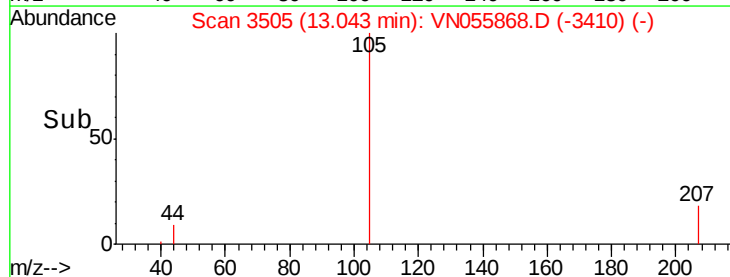
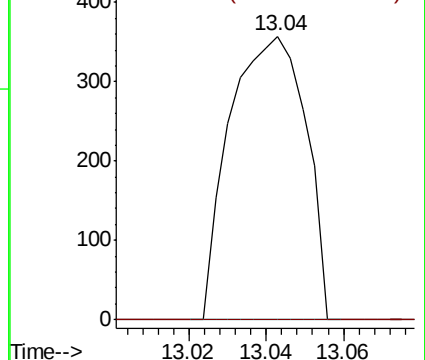
105 100

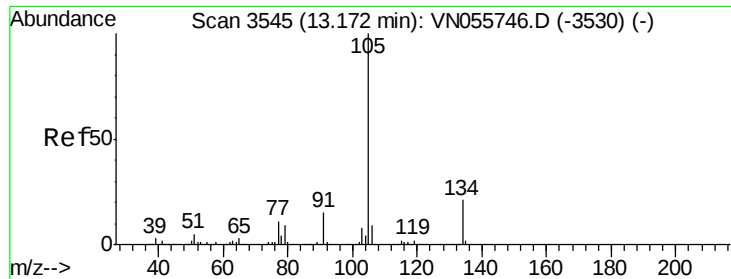
120 0.0 23.0 69.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3543

Delta R.T. -0.01 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

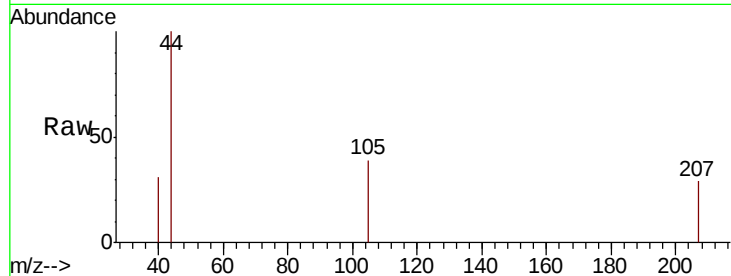
VN0529WBL02

Tot Ion:105 Resp: 346

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

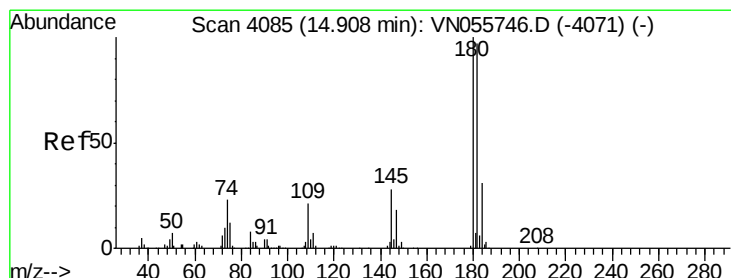
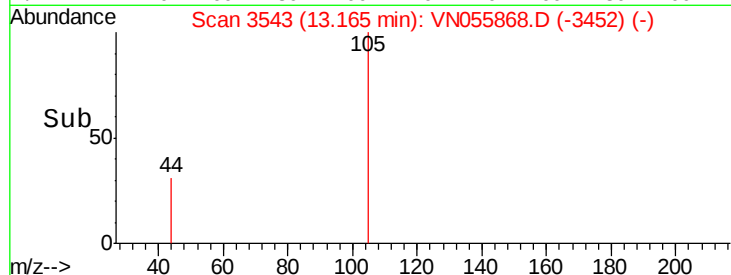
300

200

100

0

Time--> 13.14 13.16 13.18



#93

1,2,4-Trichlorobenzene

Concen: 3.760 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055868.D

Acq: 29 May 2019 11:13

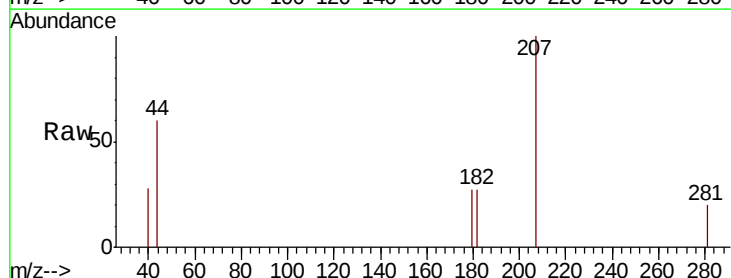
Tgt Ion:180 Resp: 455

Ion Ratio Lower Upper

180 100

182 64.8 48.3 144.9

145 0.0 14.0 41.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

300

200

100

0

Time--> 14.88 14.90 14.92 14.94

