

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055820.D
 Acq On : 25 May 2019 2:09
 Operator : JC/SP
 Sample : K3022-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: May 25 04:33:40 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	419584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	589828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	528960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180894	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	191815	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
35) Dibromofluoromethane	7.59	113	177103	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	10.09	98	691826	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.40	95	222117	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	

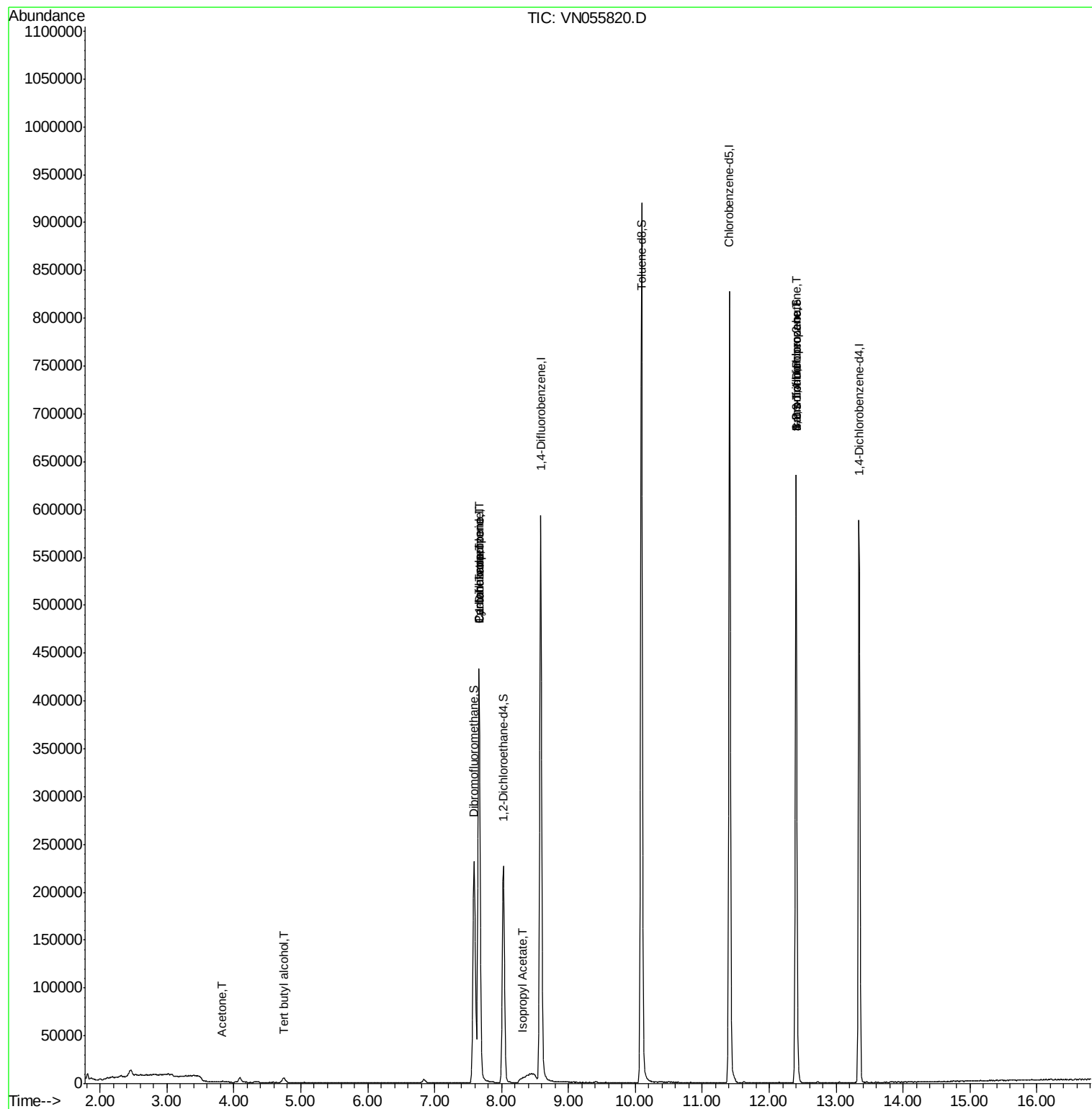
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	4716	5.696	ug/l #	74
16) Acetone	3.83	43	2163	1.136	ug/l #	85
18) Methyl Acetate	4.33	43	3148	Below Cal	#	62
31) Cyclohexane	7.67	56	5944	0.914	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	23520	4.576	ug/l #	48
38) Carbon Tetrachloride	7.66	117	33725	6.299	ug/l #	14
43) Isopropyl Acetate	8.32	43	6372	0.763	ug/l #	53
71) Bromoform	12.40	173	1427	0.396	ug/l #	1
73) Isopropylbenzene	12.40	105	196	Below Cal	#	48
74) N-amyl acetate	12.05	43	91	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	101612	31.454	ug/l #	100
79) 2-Chlorotoluene	12.59	91	29	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	101612	75.579	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.05	105	518	Below Cal		70
85) sec-Butylbenzene	13.17	105	29	Below Cal	#	55

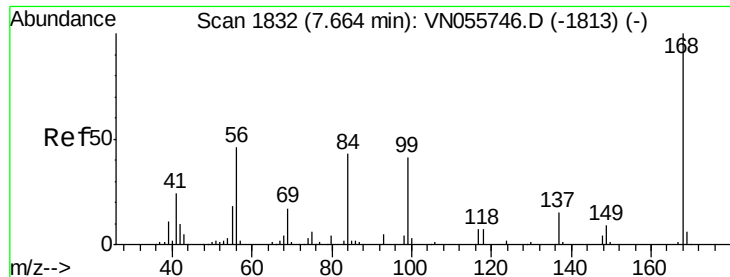
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampled :

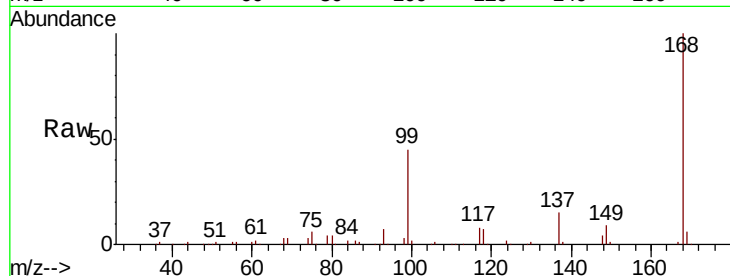
MW-2

Tot Ion:168 Resp: 419584

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

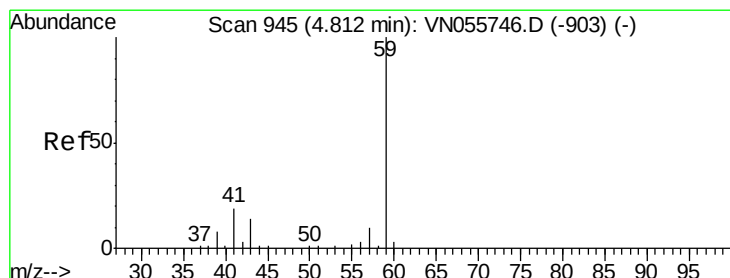
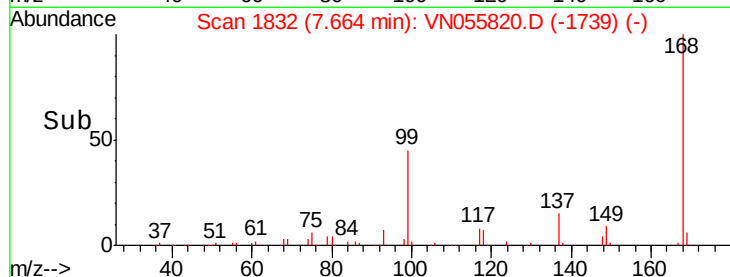
50000

0

7.50 7.60 7.70 7.80

7.66

Time-->



#11

Tert butyl alcohol

Concen: 5.696 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.07 min

Lab File: VN055820.D

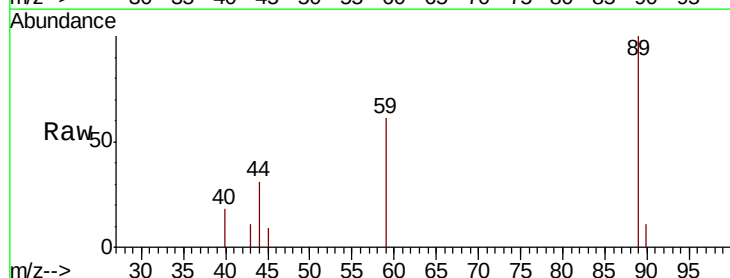
Acq: 25 May 2019 2:09

Tgt Ion: 59 Resp: 4716

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

1500

1000

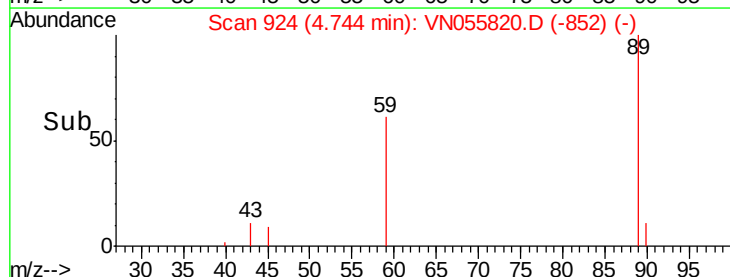
500

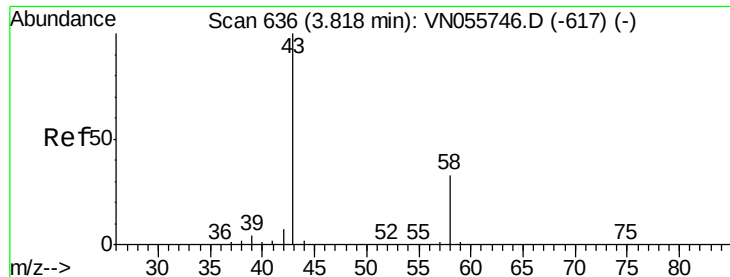
0

4.65 4.70 4.75 4.80 4.85

4.74

Time-->





#16

Acetone

Concen: 1.136 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampled :

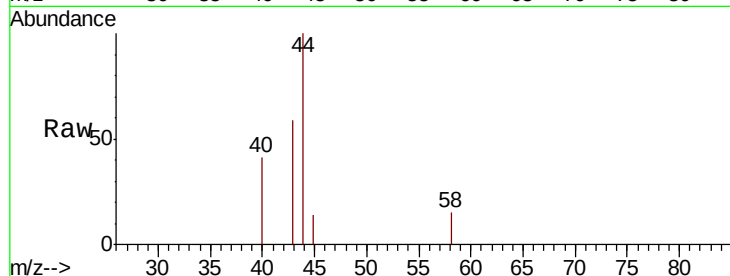
MW-2

Tot Ion: 43 Resp: 2163

Ion Ratio Lower Upper

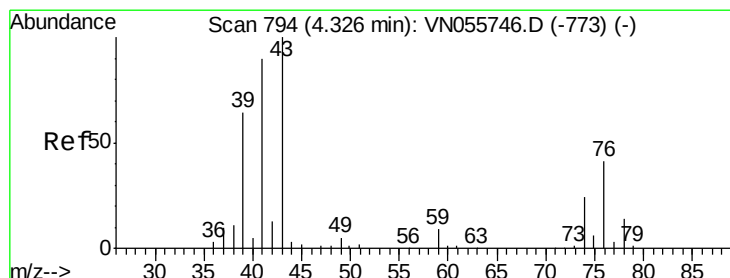
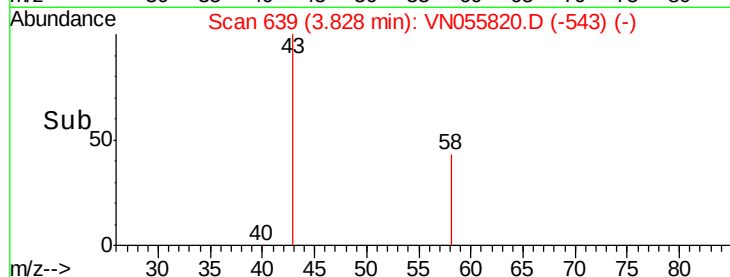
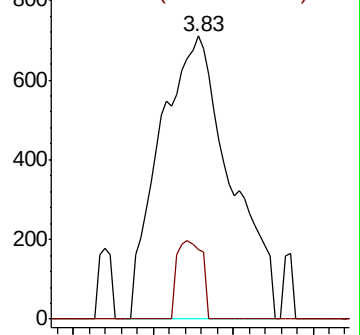
43 100

58 24.5 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055820.D

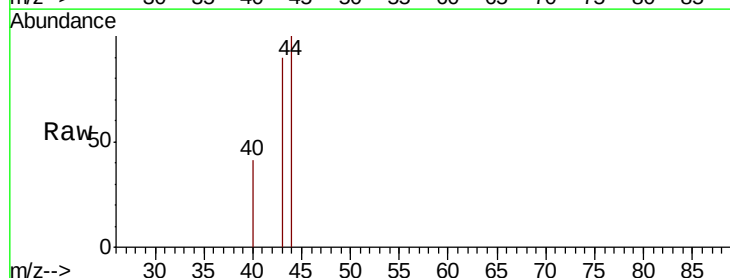
Acq: 25 May 2019 2:09

Tgt Ion: 43 Resp: 3148

Ion Ratio Lower Upper

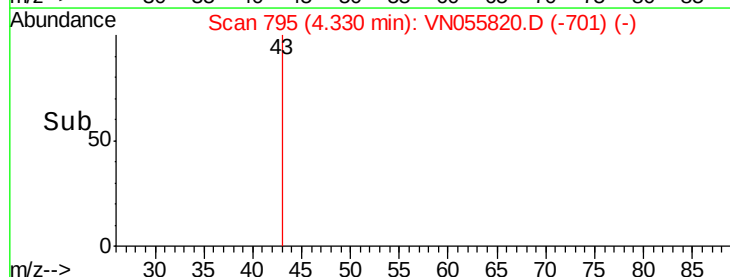
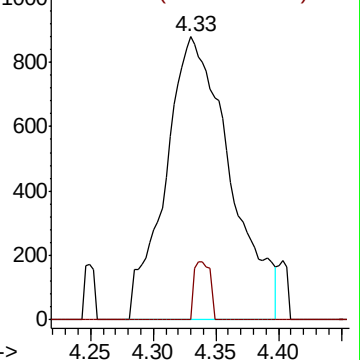
43 100

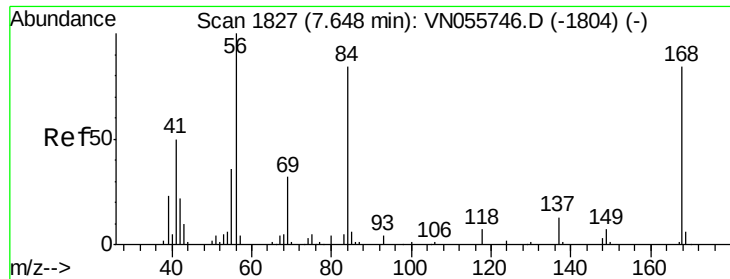
74 5.2 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

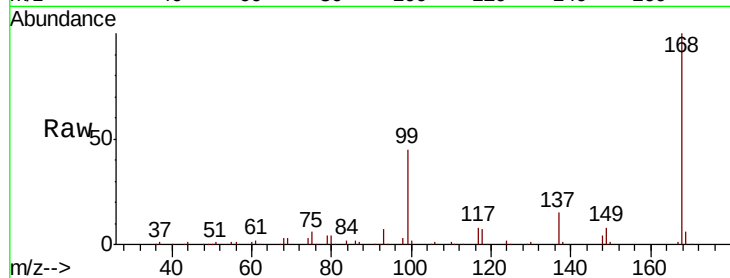




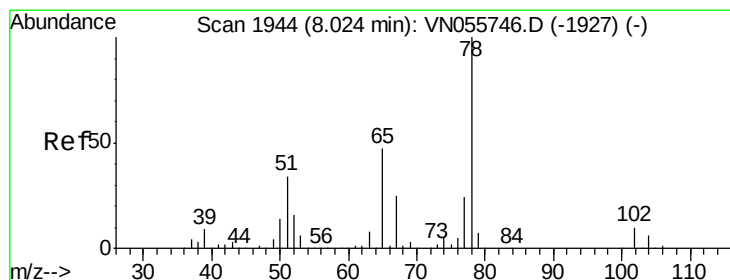
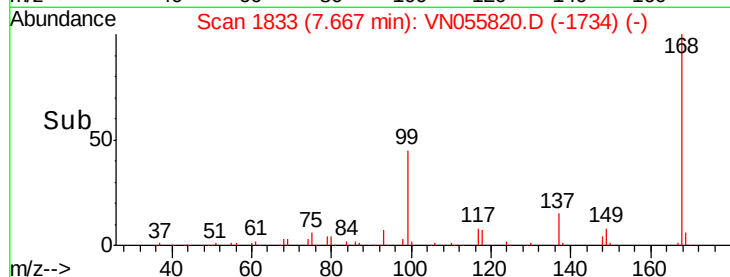
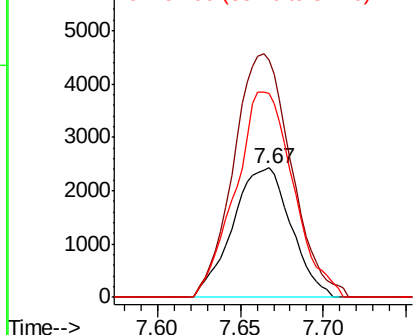
#31
Cyclohexane
Concen: 0.914 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055820.D
Acq: 25 May 2019 2:09

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion: 56 Resp: 5944
Ion Ratio Lower Upper
56 100
69 183.7 25.6 38.4#
84 157.5 67.4 101.0#

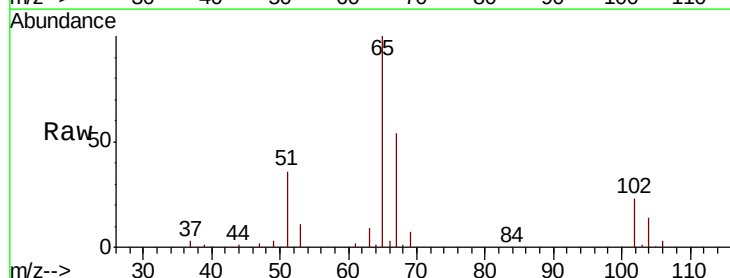


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

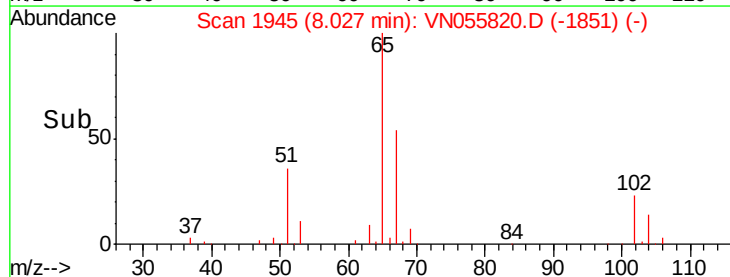
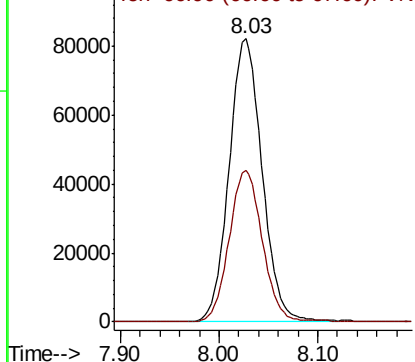


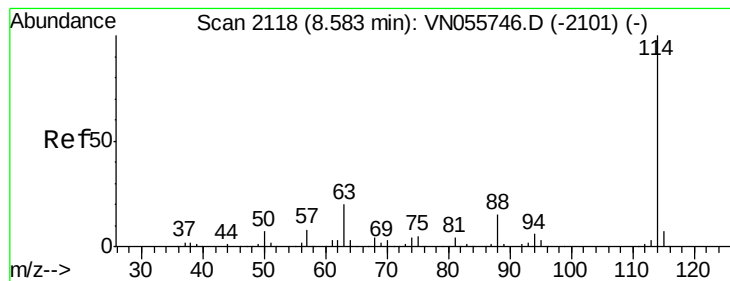
#33
1,2-Dichloroethane-d4
Concen: 44.267 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055820.D
Acq: 25 May 2019 2:09

Tgt Ion: 65 Resp: 191815
Ion Ratio Lower Upper
65 100
67 54.0 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: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampled :

MW-2

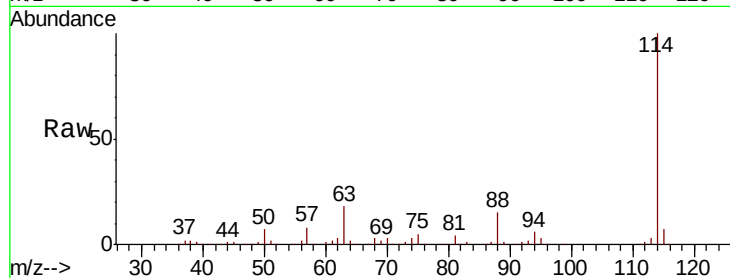
Tot Ion:114 Resp: 589828

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.2

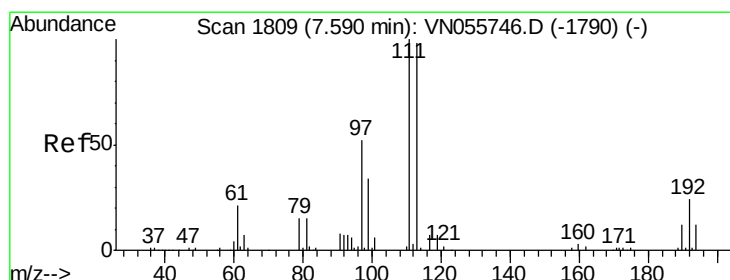
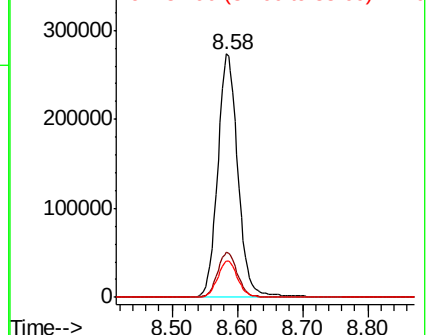
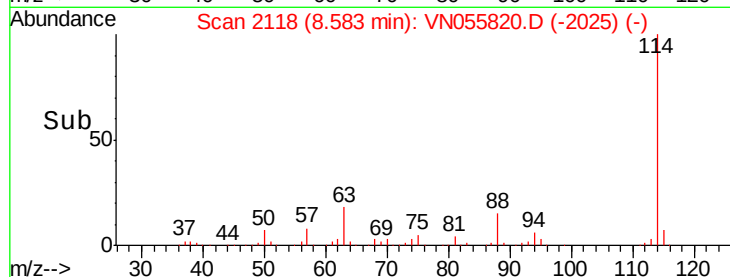
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.492 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

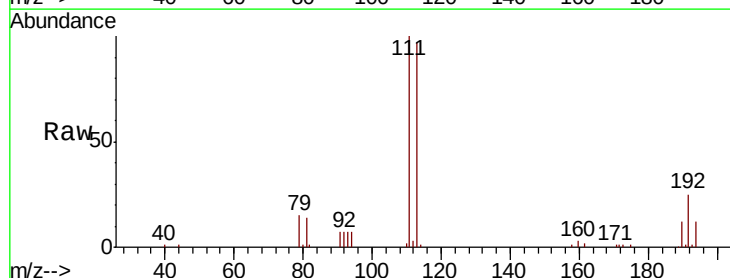
Tgt Ion:113 Resp: 177103

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

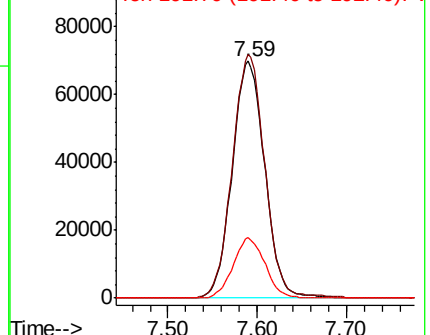
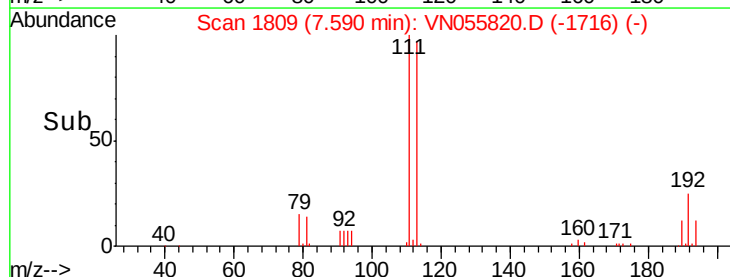
192 24.9 19.5 29.3

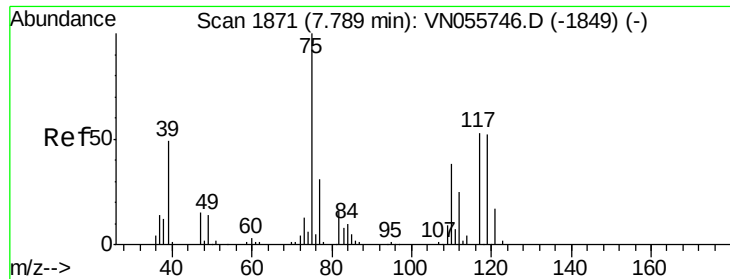


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

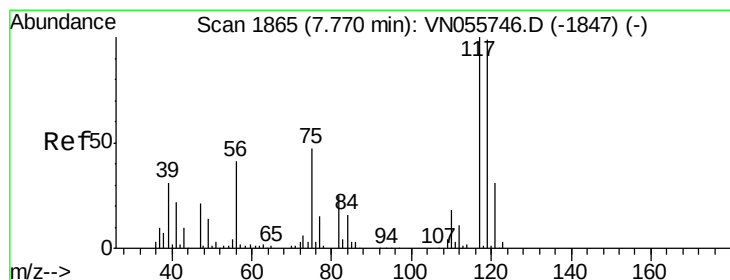
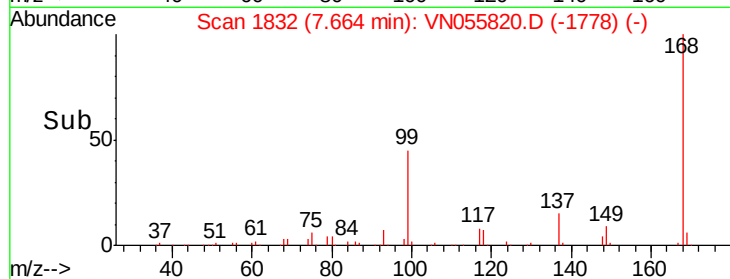
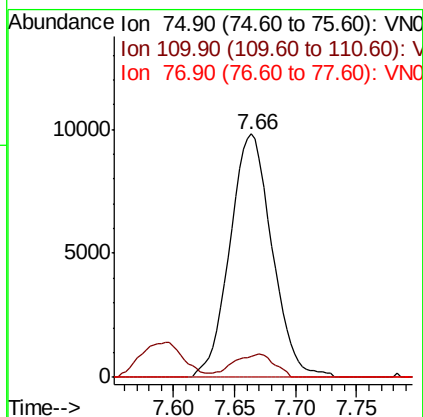
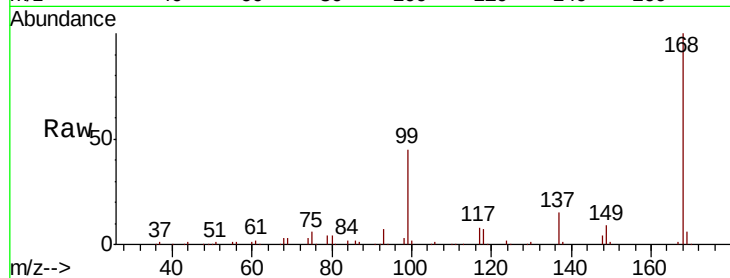




#36
 1,1-Dichloropropene
 Concen: 4.576 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055820.D
 Acq: 25 May 2019 2:09

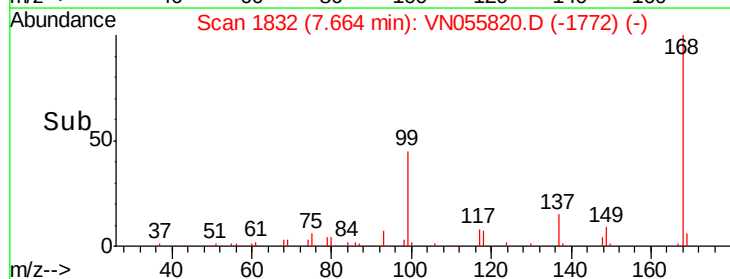
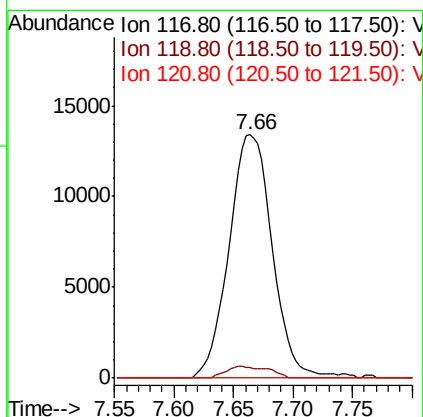
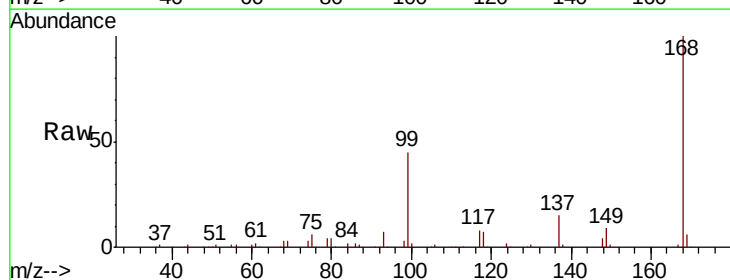
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

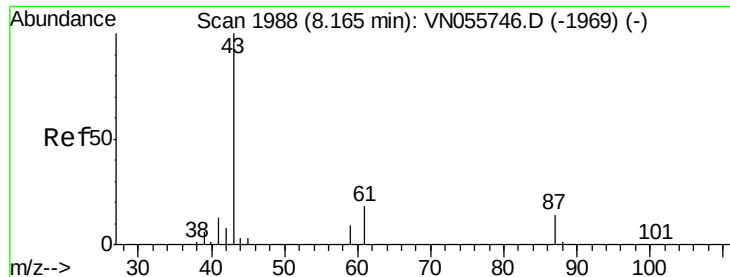
Tot Ion	75	Resp	23520
Ion Ratio	Lower	Upper	
75	100		
110	9.4	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.299 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055820.D
 Acq: 25 May 2019 2:09

Tgt Ion	117	Resp	33725
Ion Ratio	Lower	Upper	
117	100		
119	4.1	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.763 ug/l

RT: 8.32 min Scan# 2035

Delta R.T. 0.15 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampleId :

MW-2

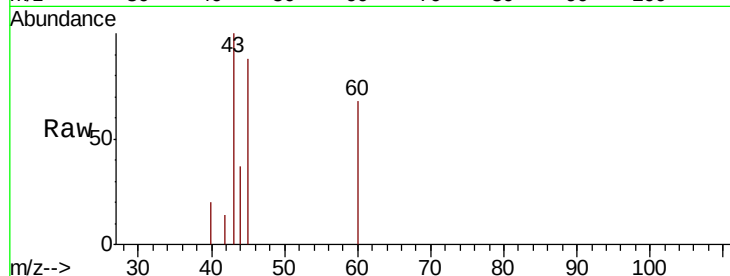
Tot Ion: 43 Resp: 6372

Ion Ratio Lower Upper

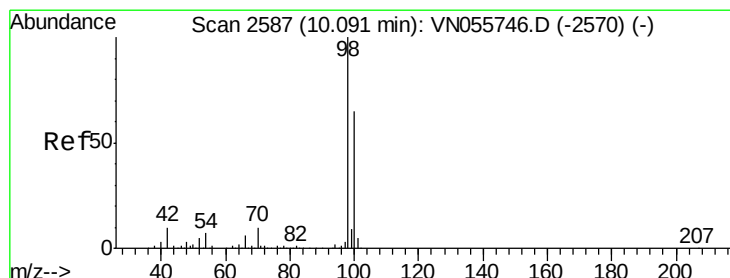
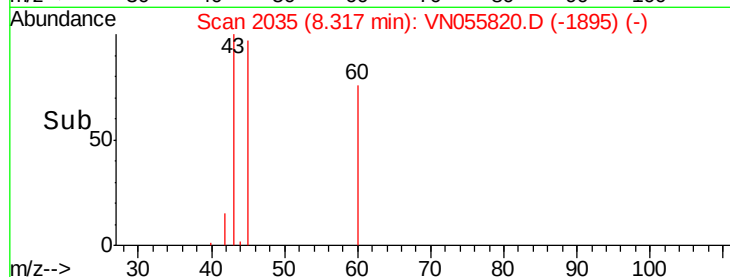
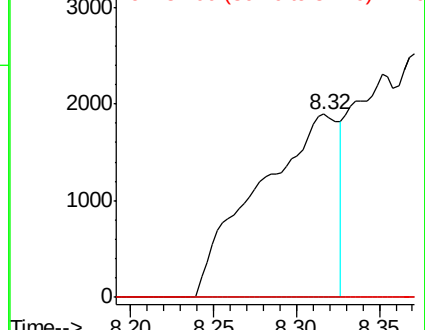
43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



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



#50

Toluene-d8

Concen: 48.364 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055820.D

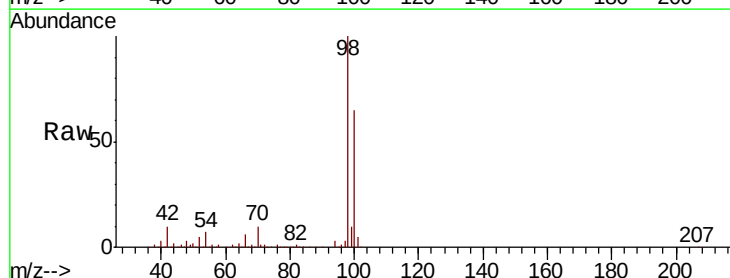
Acq: 25 May 2019 2:09

Tgt Ion: 98 Resp: 691826

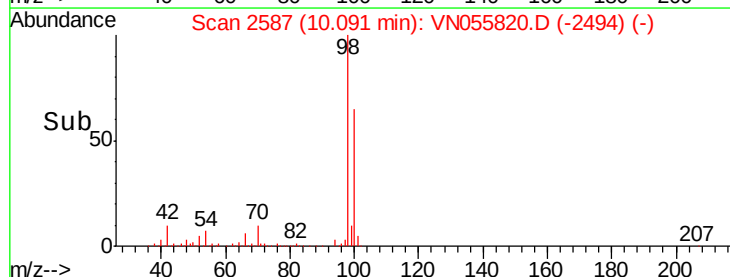
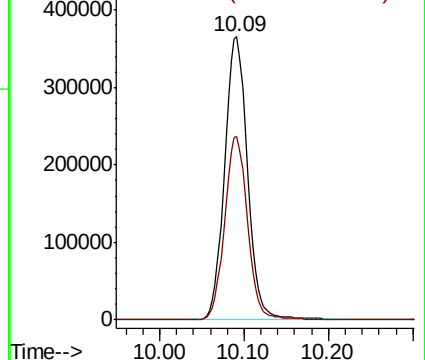
Ion Ratio Lower Upper

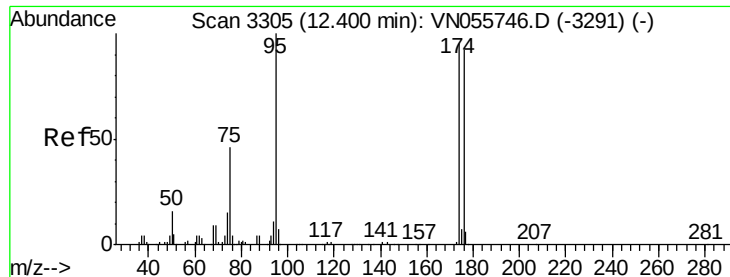
98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO

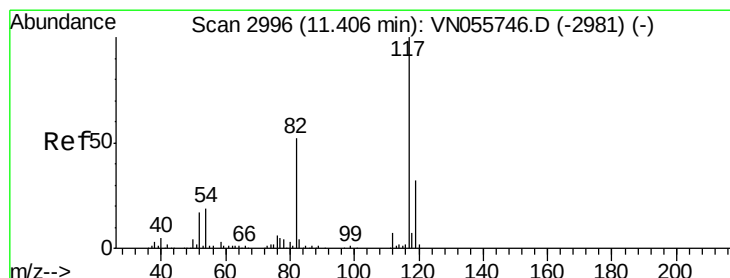
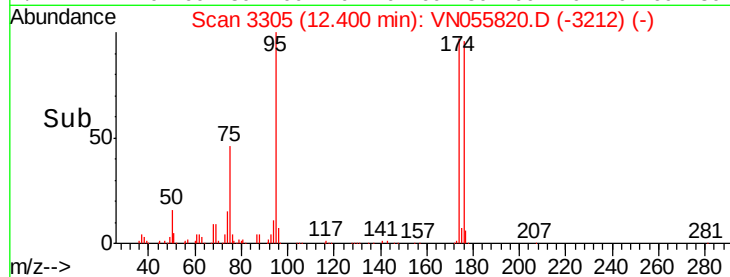
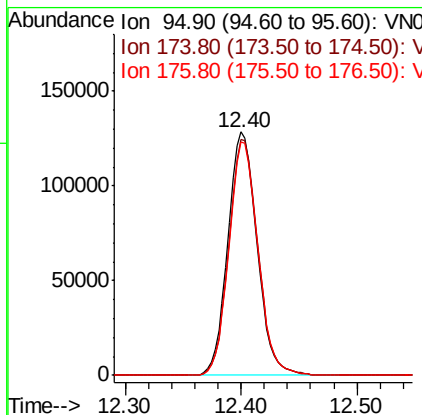
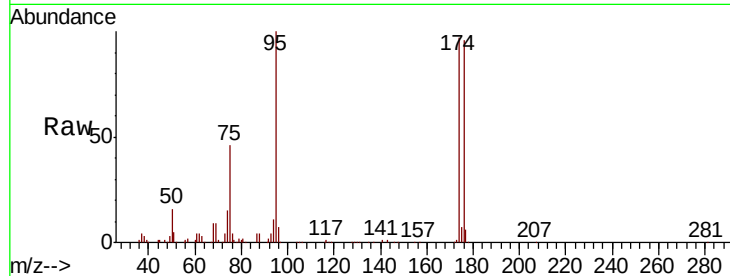




#62
4-Bromofluorobenzene
Concen: 45.285 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055820.D
Acq: 25 May 2019 2:09

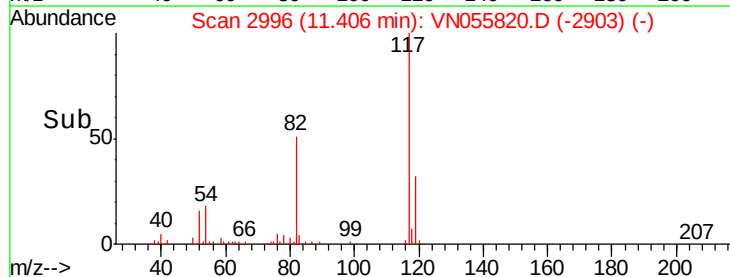
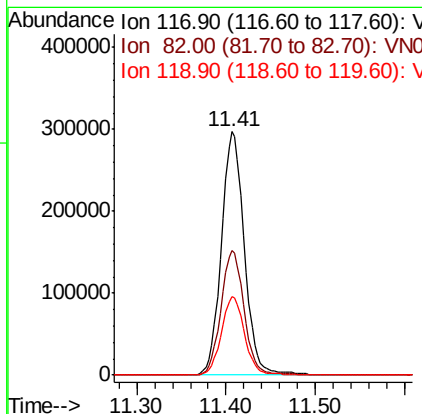
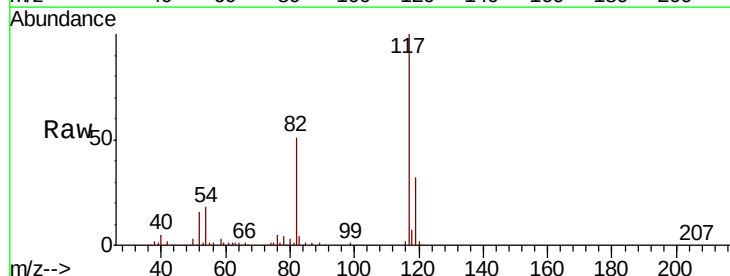
Instrument :
MSVOA_N
ClientSampleId :
MW-2

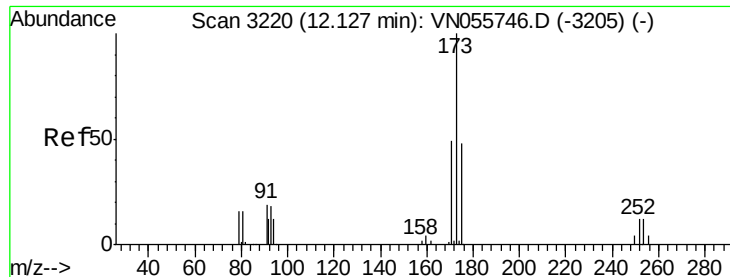
Tot Ion	95	Resp	222117
Ion Ratio	Lower	Upper	
95	100		
174	97.0	0.0	191.0
176	95.6	0.0	185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055820.D
Acq: 25 May 2019 2:09

Tgt Ion	117	Resp	528960
Ion Ratio	Lower	Upper	
117	100		
82	51.2	41.8	62.8
119	32.4	25.4	38.0





#71

Bromoform

Concen: 0.396 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampled :

MW-2

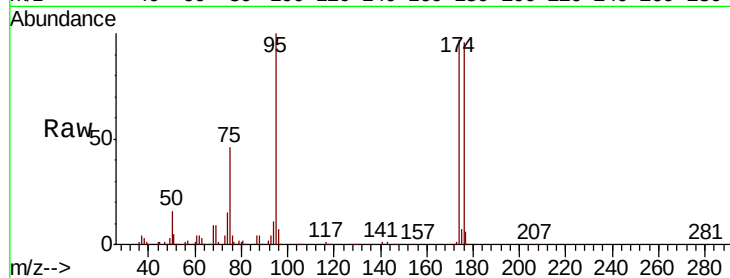
Tot Ion:173 Resp: 1427

Ion Ratio Lower Upper

173 100

175 934.2 24.3 72.8#

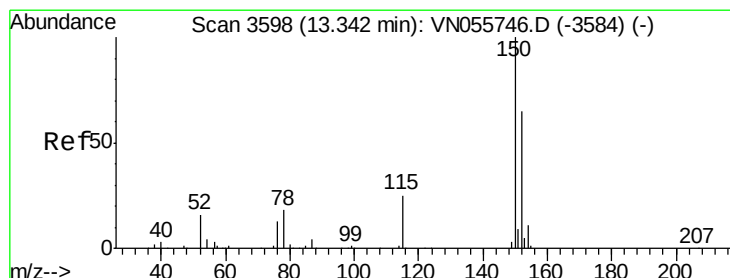
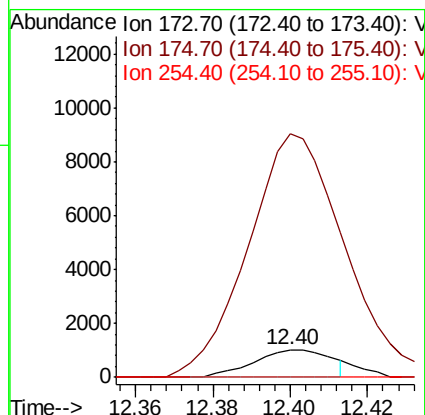
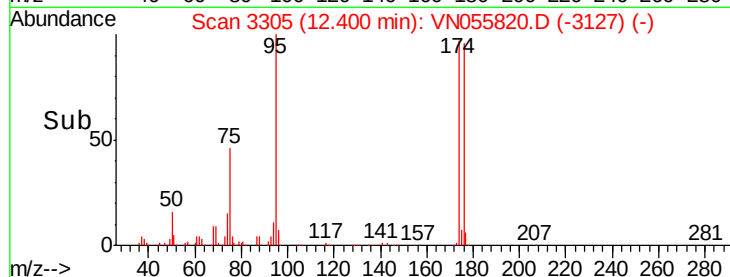
254 0.0 0.0 0.0



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: VN055820.D

Acq: 25 May 2019 2:09

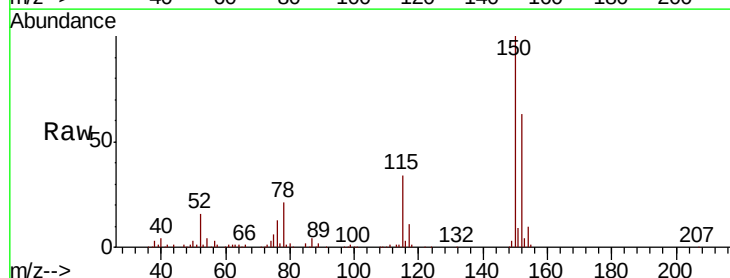
Tgt Ion:152 Resp: 180894

Ion Ratio Lower Upper

152 100

115 53.2 27.0 81.0

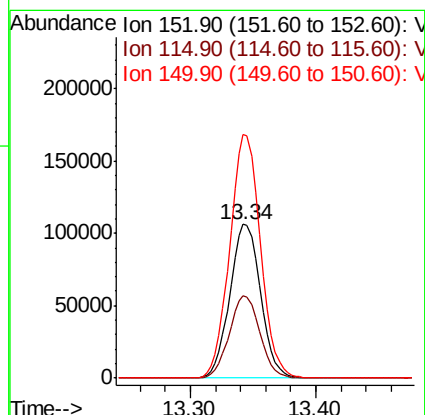
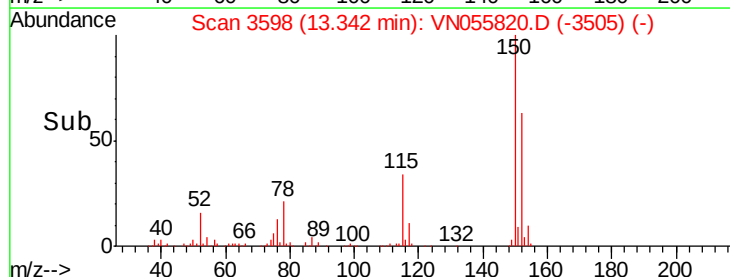
150 157.6 0.0 343.2

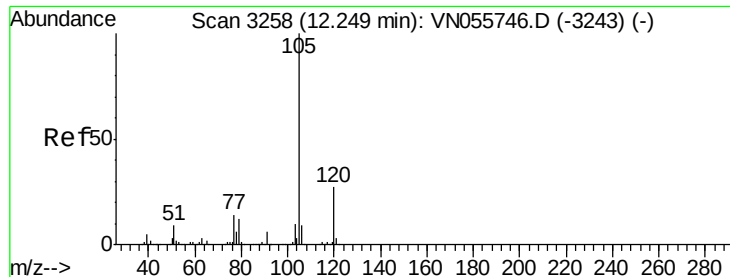


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. 0.15 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampleId :

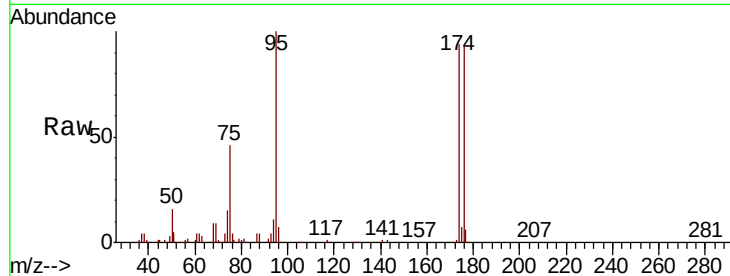
MW-2

Tot Ion: 105 Resp: 196

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

12.40

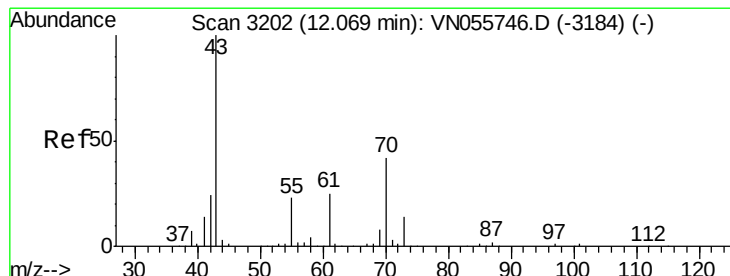
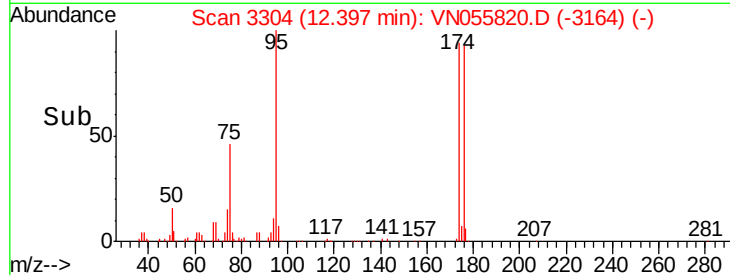
150

100

50

0

Time-->



#74

N-amyl acetate

Concen: Below Cal

RT: 12.05 min Scan# 3196

Delta R.T. -0.02 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Tgt Ion: 43 Resp: 91

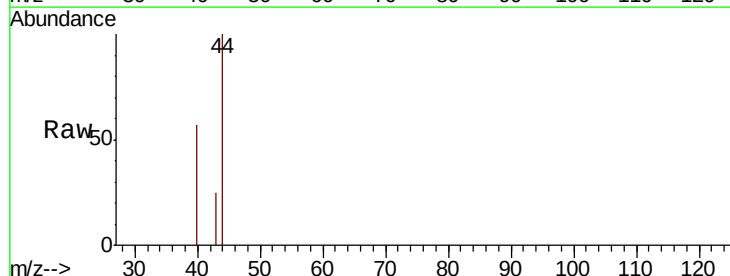
Ion Ratio Lower Upper

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

12.05

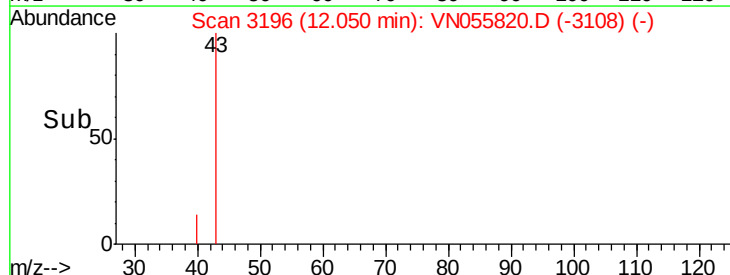
150

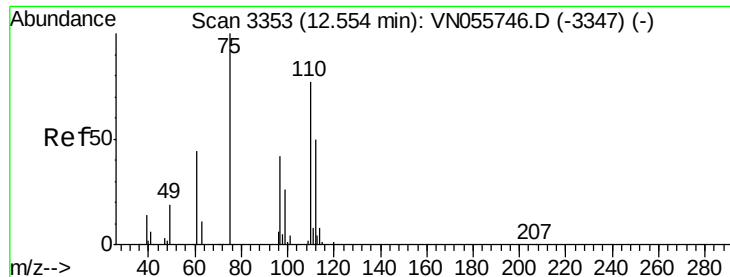
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 31.454 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampleId :

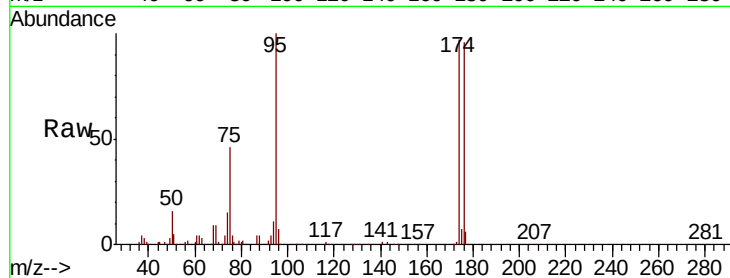
MW-2

Tot Ion: 75 Resp: 101612

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

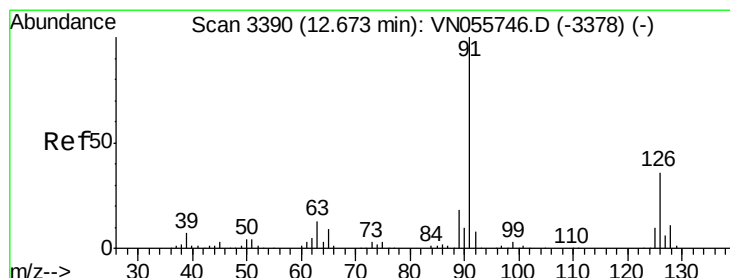
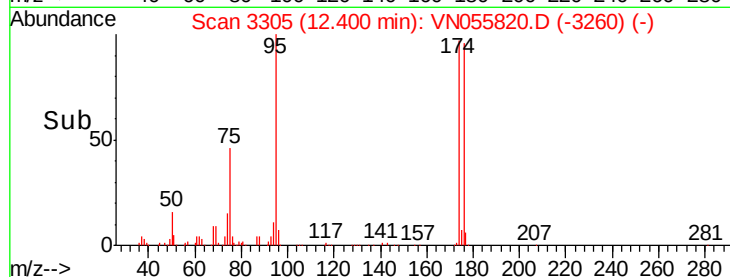
12.40

40000

20000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3363

Delta R.T. -0.09 min

Lab File: VN055820.D

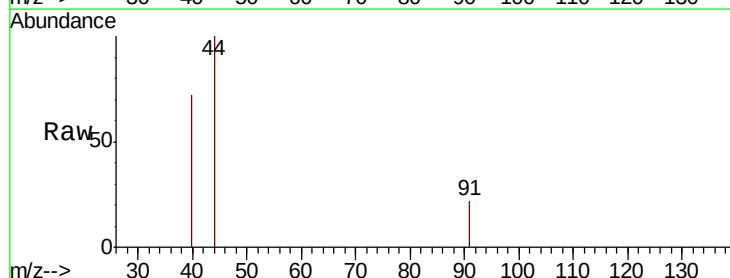
Acq: 25 May 2019 2:09

Tgt Ion: 91 Resp: 29

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

150

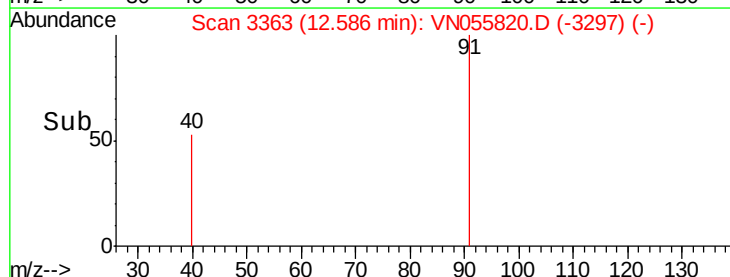
12.59

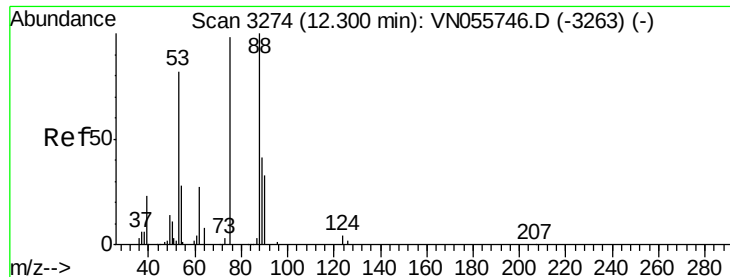
100

50

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 75.579 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampled :

MW-2

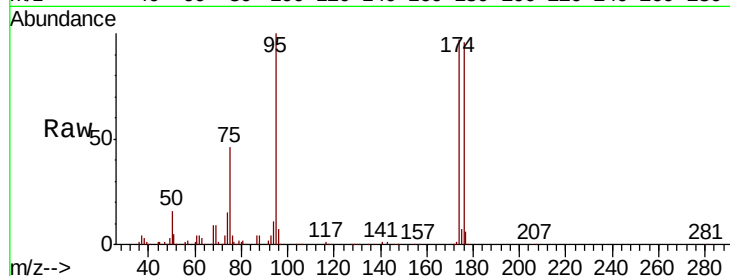
Tot Ion: 75 Resp: 101612

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

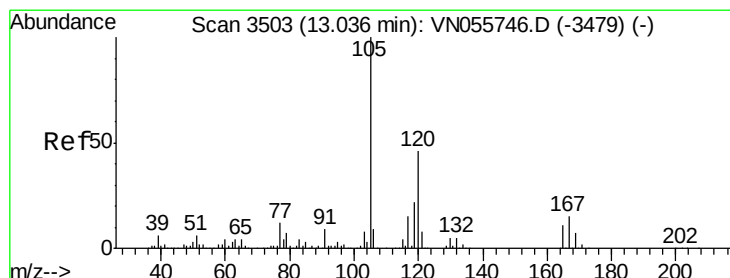
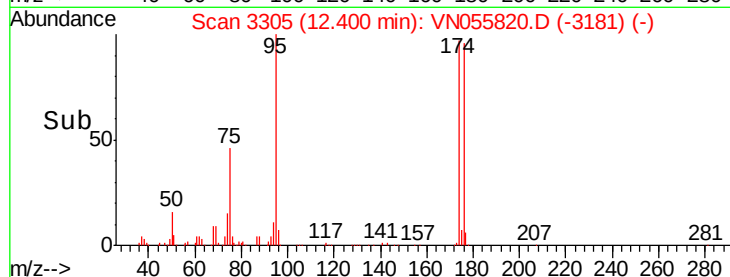
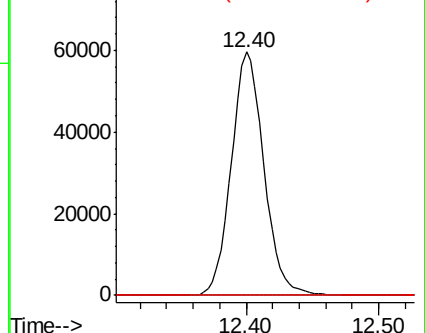
89 0.0 36.9 55.3#



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: 13.05 min Scan# 3506

Delta R.T. 0.01 min

Lab File: VN055820.D

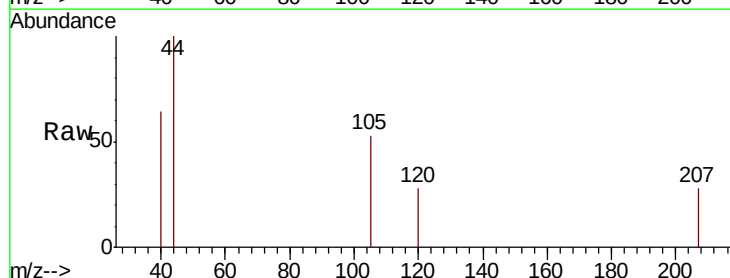
Acq: 25 May 2019 2:09

Tgt Ion: 105 Resp: 518

Ion Ratio Lower Upper

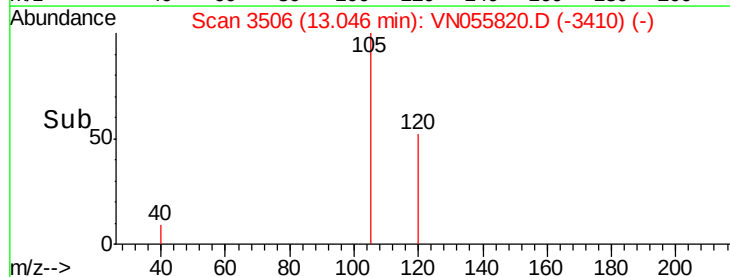
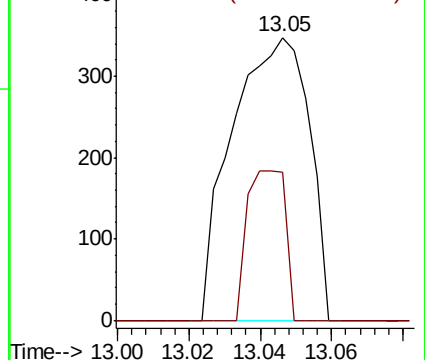
105 100

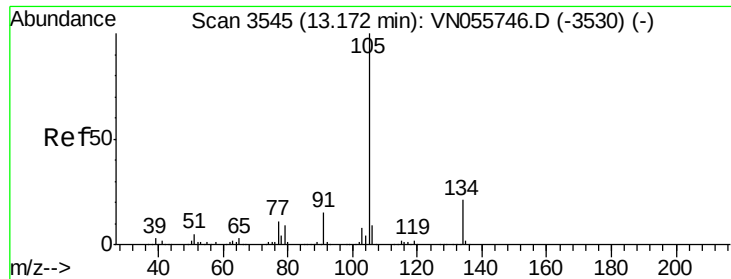
120 26.3 23.0 69.0



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# 3545

Delta R.T. 0.00 min

Lab File: VN055820.D

Acq: 25 May 2019 2:09

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tot Ion:105 Resp: 29

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#

