

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055749.D
 Acq On : 23 May 2019 12:15
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 24 06:47:06 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	393355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	555751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	483112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169157	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	184559	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
35) Dibromofluoromethane	7.59	113	172282	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.09	98	652650	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.40	95	205690	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	1393	0.294	ug/l #	77
11) Tert butyl alcohol	4.75	59	4836	6.231	ug/l #	74
13) Acrolein	3.61	56	1502	2.703	ug/l	87
15) Acrylonitrile	5.00	53	709	0.398	ug/l #	61
16) Acetone	3.83	43	970	0.543	ug/l #	41
17) Carbon Disulfide	4.03	76	5884	0.619	ug/l	100
18) Methyl Acetate	4.34	43	2958	Below Cal	#	74
21) trans-1,2-Dichloroethene	5.04	96	887	0.247	ug/l #	56
23) Vinyl Acetate	5.91	43	2056	0.215	ug/l #	71
31) Cyclohexane	7.66	56	6329	1.038	ug/l #	1
38) Carbon Tetrachloride	7.66	117	32506	6.443	ug/l #	15
43) Isopropyl Acetate	8.32	43	11326	1.440	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	1676	0.361	ug/l	90
59) 2-Hexanone	10.76	43	3451	1.047	ug/l	98
64) Tetrachloroethene	10.63	164	844	0.207	ug/l	92
68) m/p-Xylenes	11.62	106	1812	0.276	ug/l	94
71) Bromoform	12.40	173	1187	0.361	ug/l #	1
73) Isopropylbenzene	12.25	105	2305	Below Cal		90
74) N-amyl acetate	12.07	43	2527	Below Cal	#	83
75) 1,1,2,2-Tetrachloroethane	12.50	83	189	Below Cal	#	84
76) 1,2,3-Trichloropropane	12.40	75	94621	31.308	ug/l #	100
77) Bromobenzene	12.52	156	784	0.217	ug/l	96
78) n-propylbenzene	12.59	91	3856	0.262	ug/l	95
79) 2-Chlorotoluene	12.68	91	1938	Below Cal		89
80) 1,3,5-Trimethylbenzene	12.73	105	2183	Below Cal		90
81) trans-1,4-Dichloro-2-buten	12.40	75	94621	75.262	ug/l #	15
82) 4-Chlorotoluene	12.77	91	2815	0.326	ug/l	93
83) tert-Butylbenzene	12.99	119	2112	Below Cal		92
84) 1,2,4-Trimethylbenzene	13.04	105	2879	Below Cal		96
85) sec-Butylbenzene	13.17	105	3554	Below Cal		96
86) p-Isopropyltoluene	13.29	119	3634	0.309	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	2502	0.438	ug/l	99
88) 1,4-Dichlorobenzene	13.28	146	2502	0.460	ug/l	99
89) n-Butylbenzene	13.62	91	4873	0.541	ug/l	97

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ClientSampleId :
IBLK

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

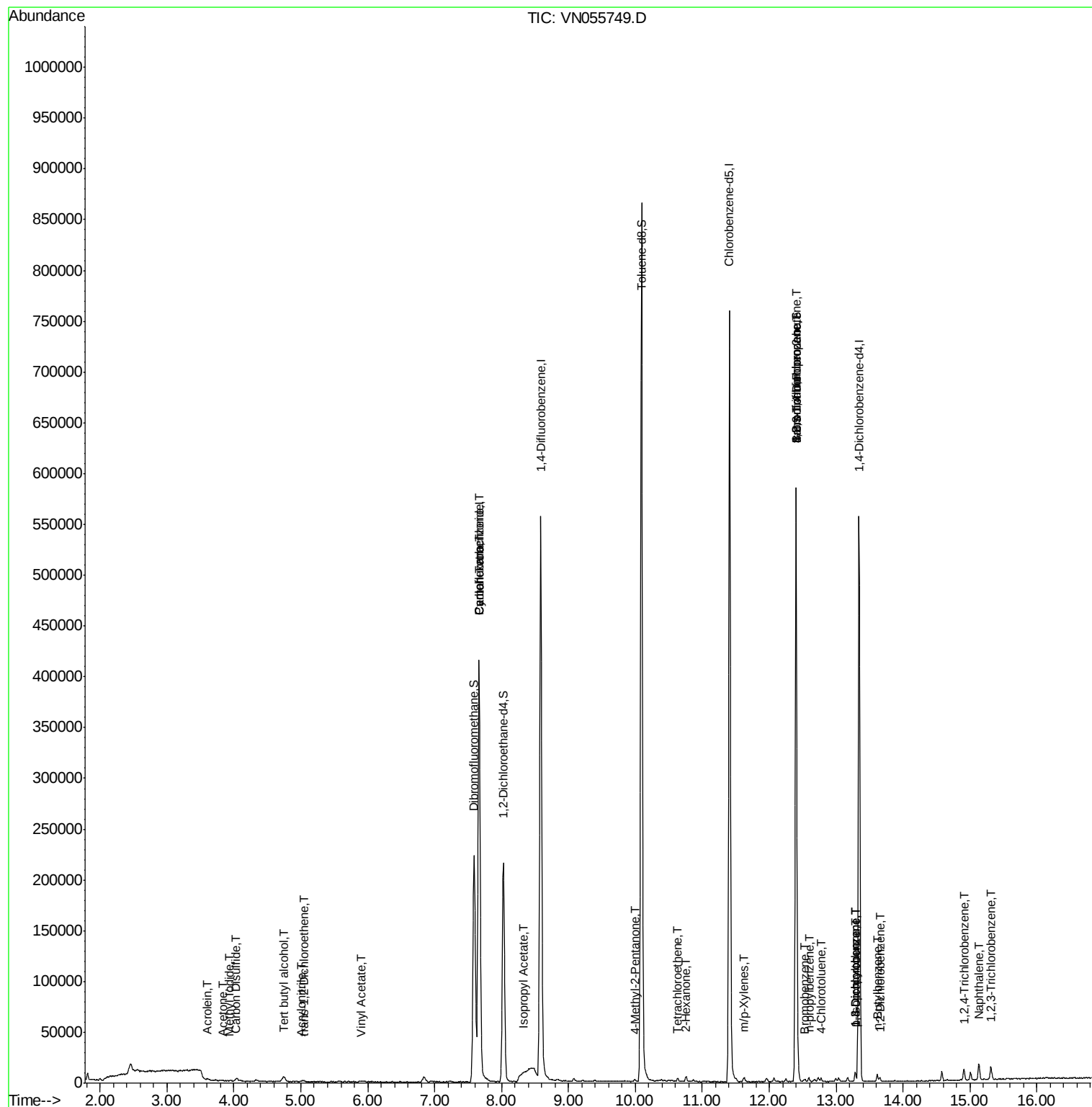
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.65	146	2251	0.395	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	4908	5.024	ug/l	90
94) Hexachlorobutadiene	15.01	225	1797	Below Cal		94
95) Naphthalene	15.13	128	15832	2.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	5635	1.869	ug/l	93

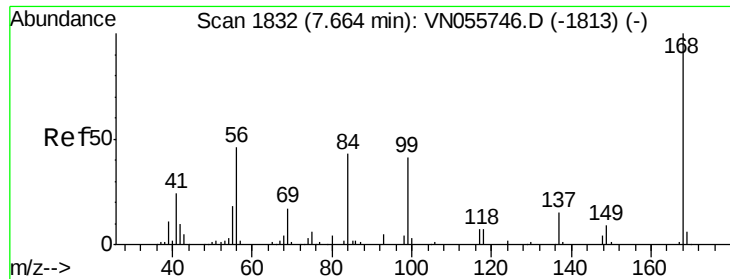
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055749.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

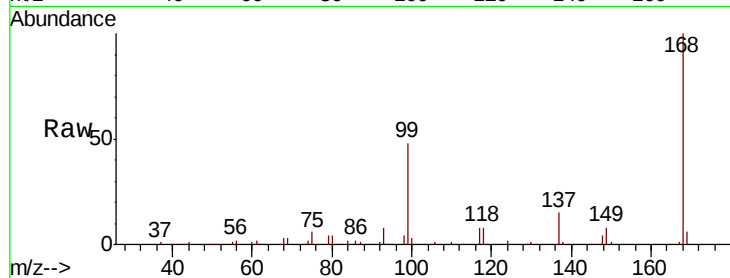
IBLK

Tot Ion:168 Resp: 393355

Ion Ratio Lower Upper

168 100

99 47.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.66

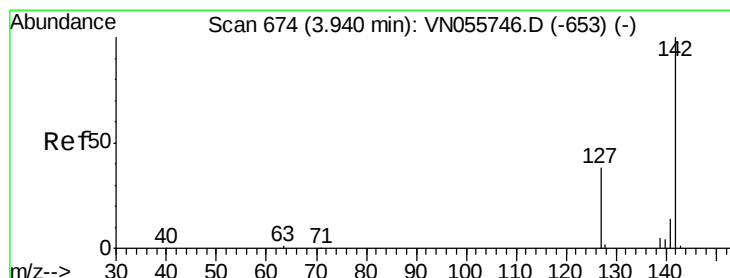
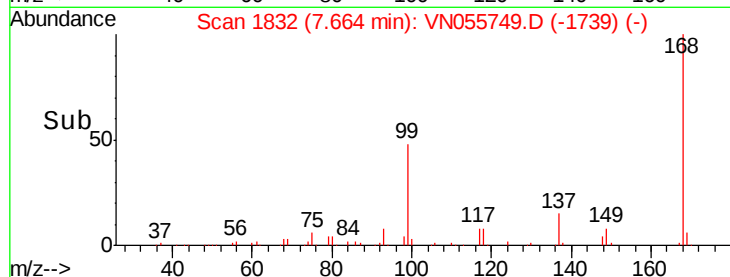
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 0.294 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

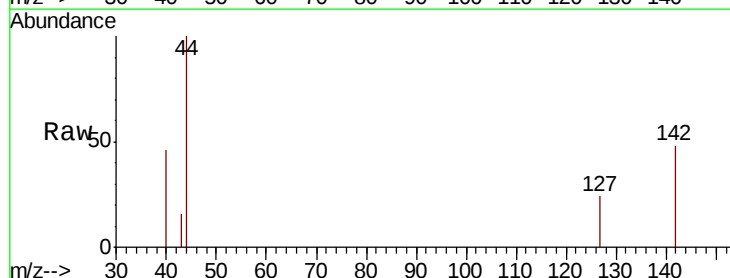
Tgt Ion:142 Resp: 1393

Ion Ratio Lower Upper

142 100

127 27.3 31.0 46.4#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

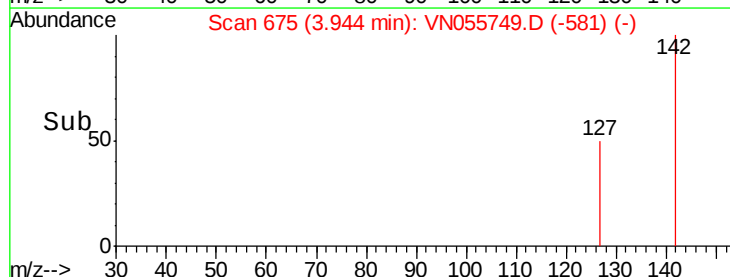
600

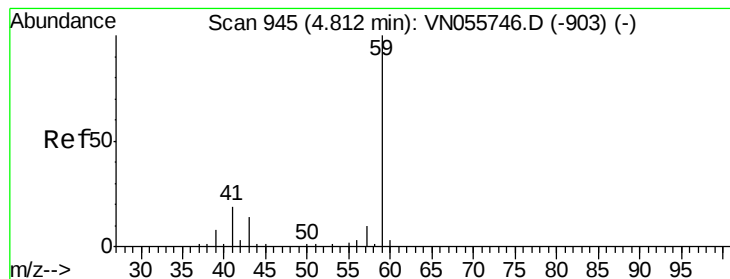
400

200

0

Time--> 3.90 3.95 4.00



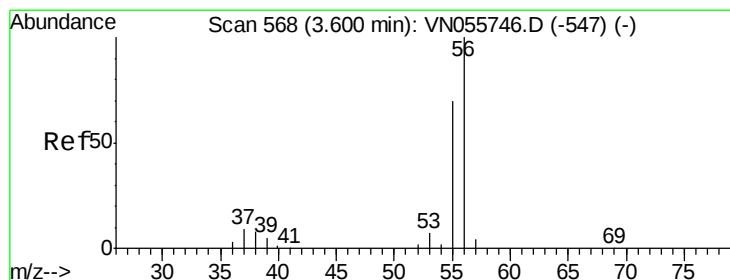
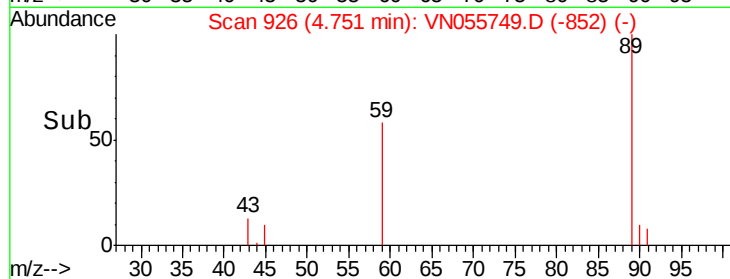
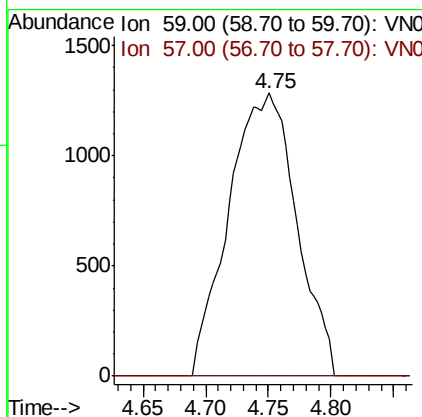
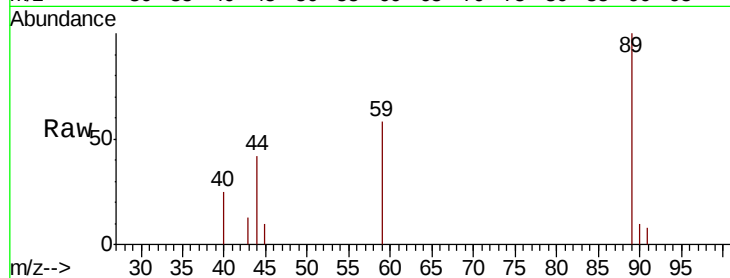


#11

Tert butyl alcohol
 Concen: 6.231 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.06 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

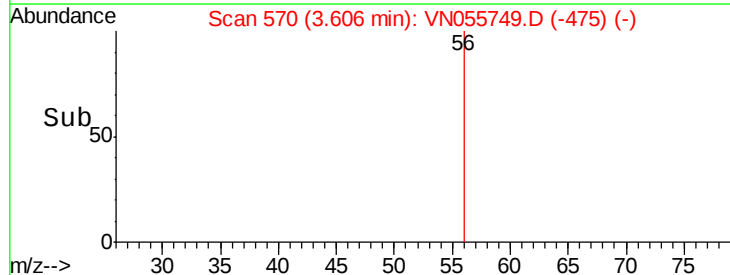
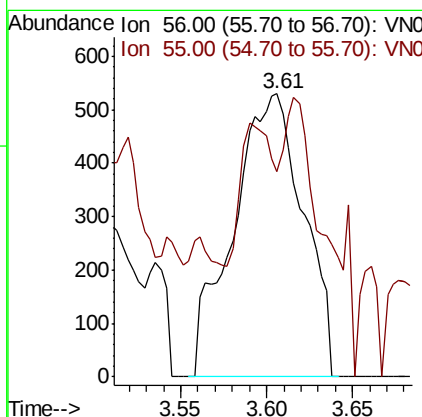
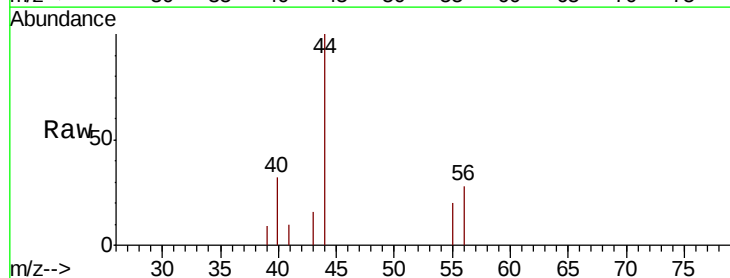
Tot Ion: 59 Resp: 4836
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

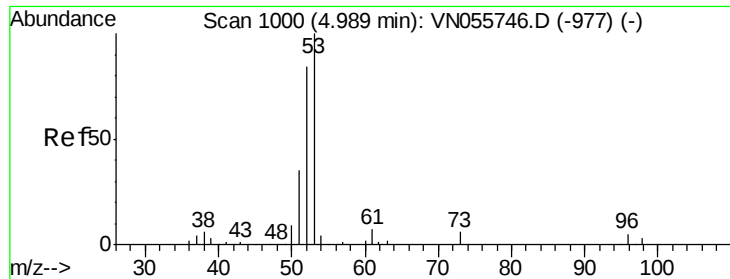


#13

Acrolein
 Concen: 2.703 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Tgt Ion: 56 Resp: 1502
 Ion Ratio Lower Upper
 56 100
 55 58.5 55.4 83.2

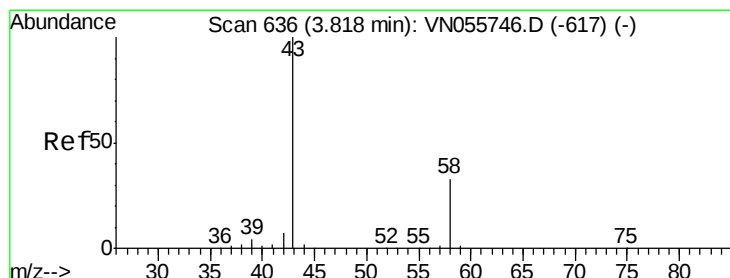
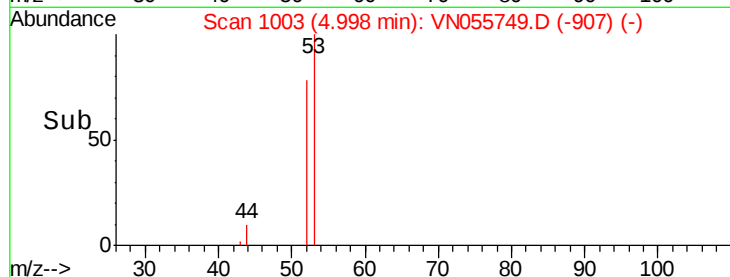
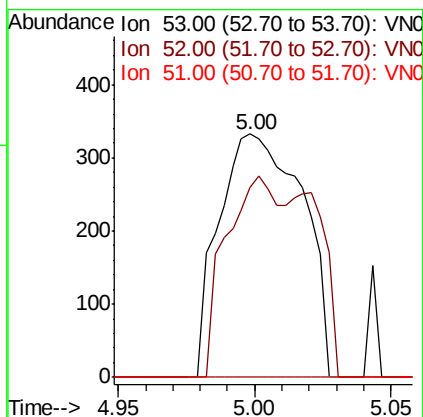
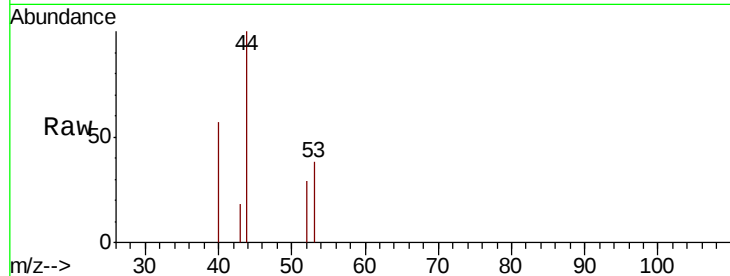




#15
 Acrylonitrile
 Concen: 0.398 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

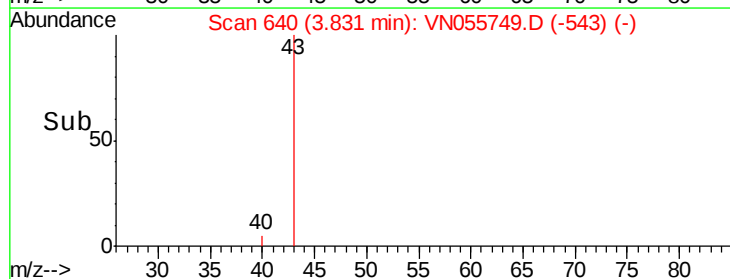
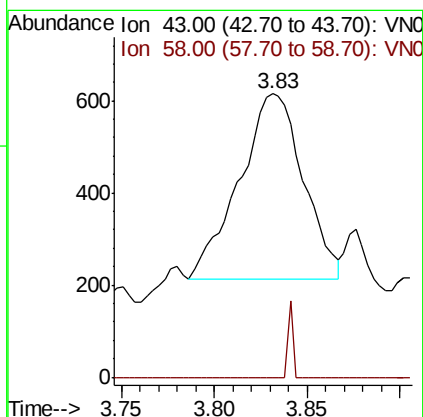
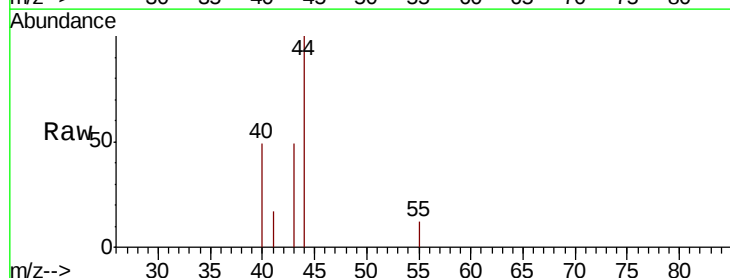
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

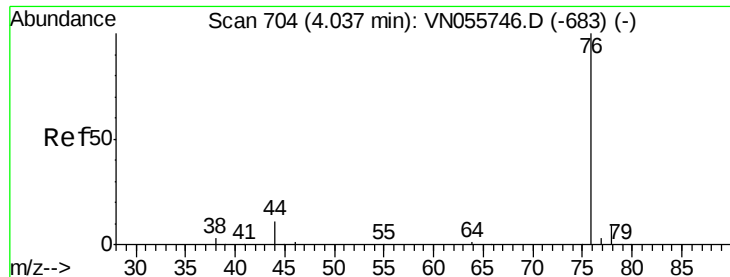
Tot Ion: 53 Resp: 709
 Ion Ratio Lower Upper
 53 100
 52 55.9 65.8 98.8#
 51 0.0 28.2 42.4#



#16
 Acetone
 Concen: 0.543 ug/l
 RT: 3.83 min Scan# 640
 Delta R.T. 0.01 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Tgt Ion: 43 Resp: 970
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 39.8#

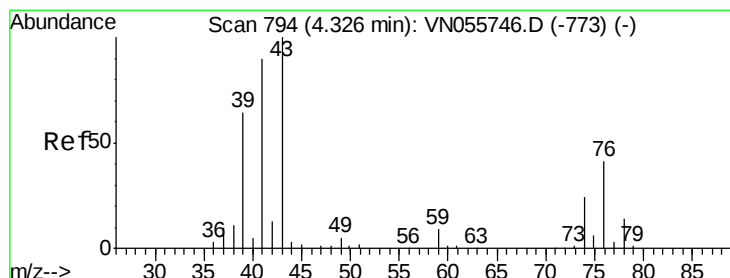
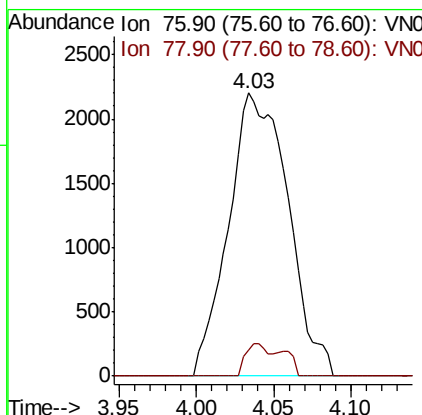
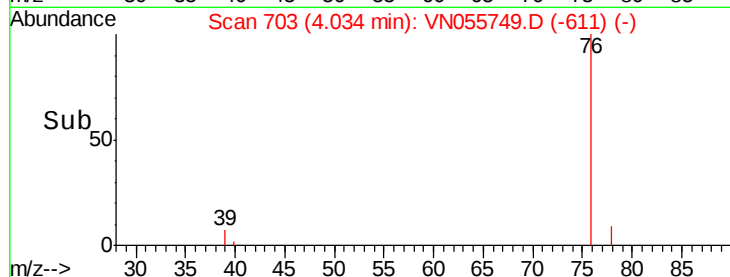
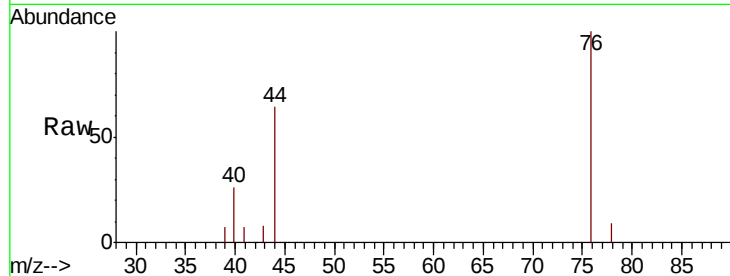




#17
Carbon Disulfide
Concen: 0.619 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

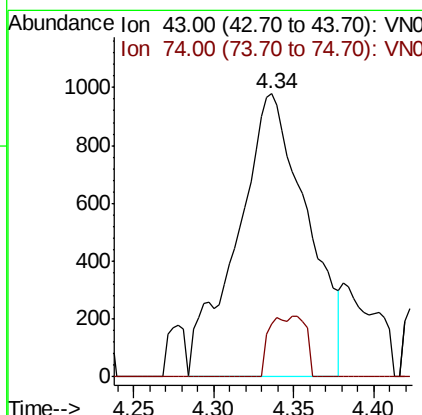
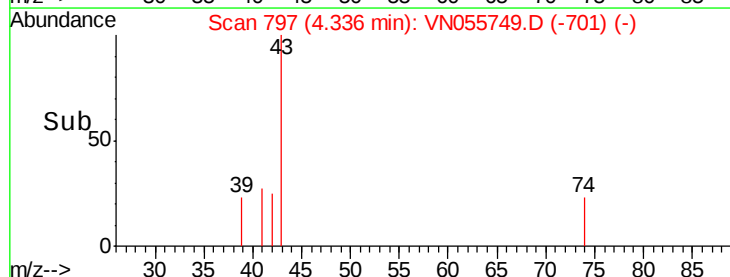
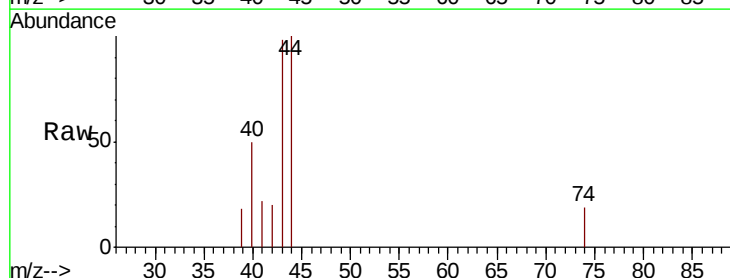
Instrument :
MSVOA_N
ClientSampled :
IBLK

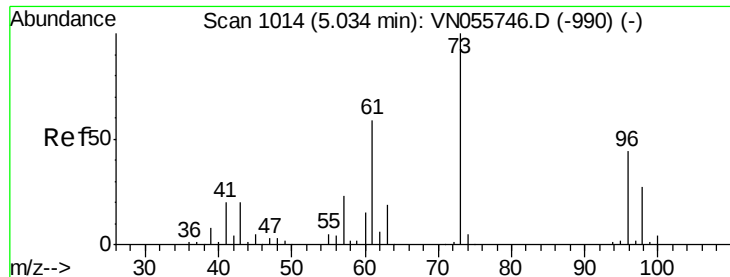
Tot Ion: 76 Resp: 5884
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion: 43 Resp: 2958
Ion Ratio Lower Upper
43 100
74 11.2 19.3 28.9#





#21

trans-1,2-Dichloroethene

Concen: 0.247 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

IBLK

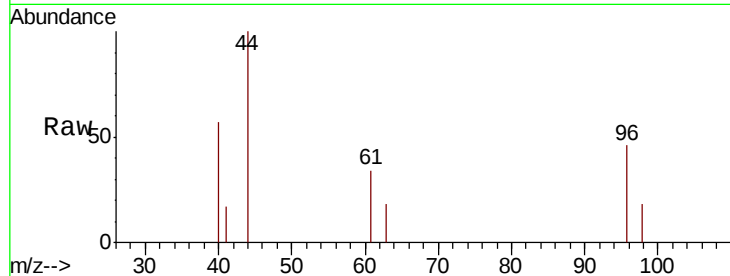
Tot Ion: 96 Resp: 887

Ion Ratio Lower Upper

96 100

61 74.2 107.8 161.8#

98 39.6 49.8 74.8#



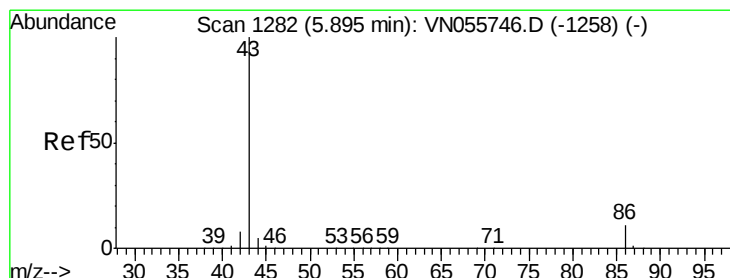
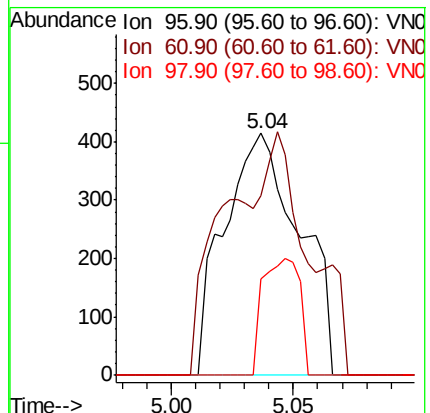
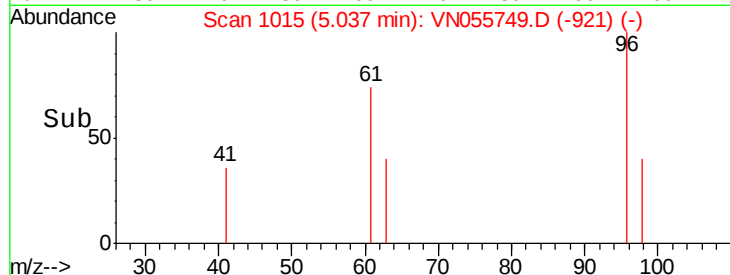
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

5.04

Time-->



#23

Vinyl Acetate

Concen: 0.215 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN055749.D

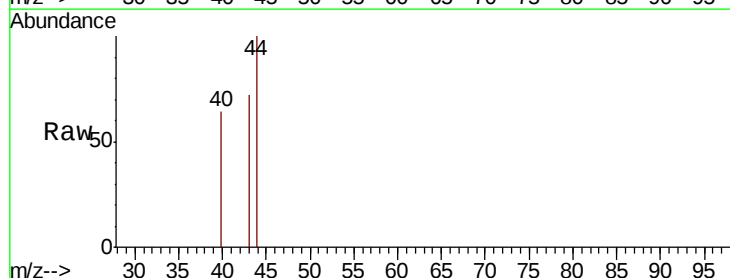
Acq: 23 May 2019 12:15

Tgt Ion: 43 Resp: 2056

Ion Ratio Lower Upper

43 100

86 0.0 8.6 13.0#

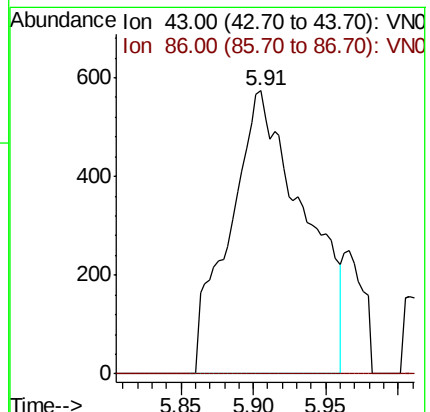
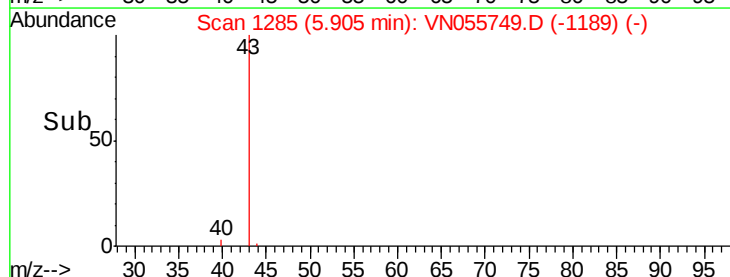


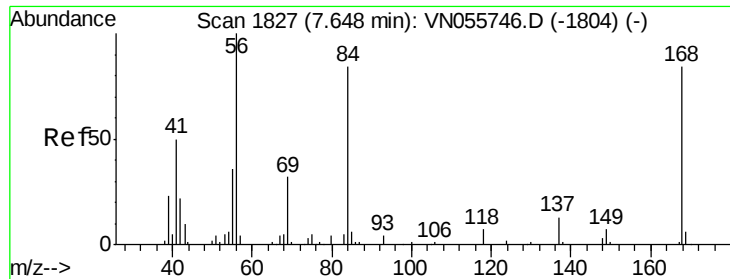
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.91

Time-->

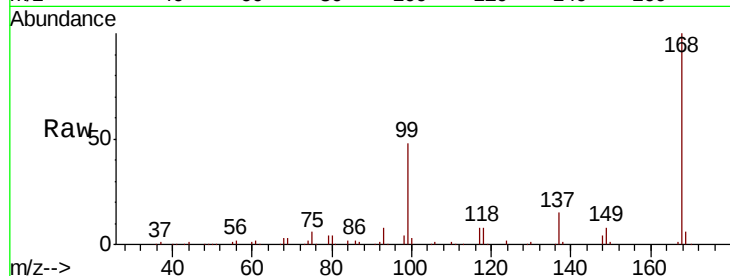




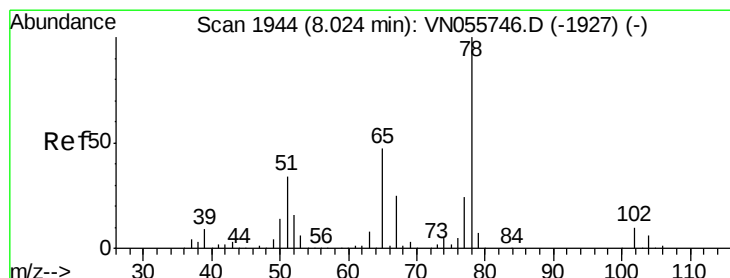
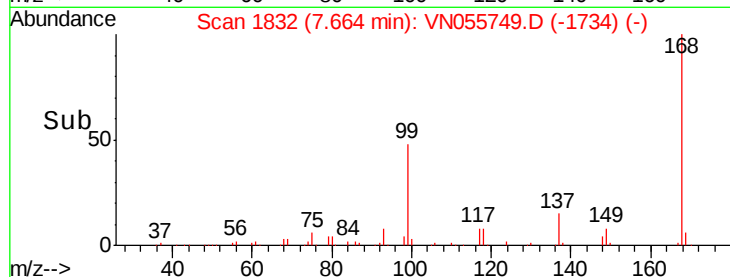
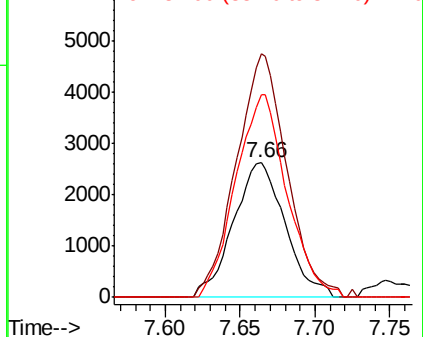
#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion: 56 Resp: 6329
Ion Ratio Lower Upper
56 100
69 180.6 25.6 38.4#
84 150.3 67.4 101.0#

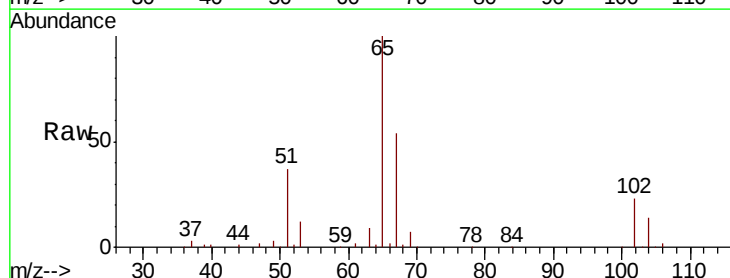


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

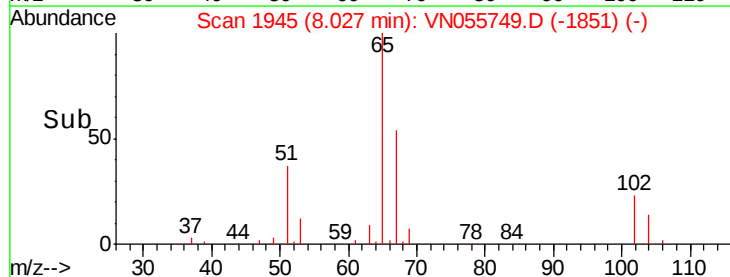
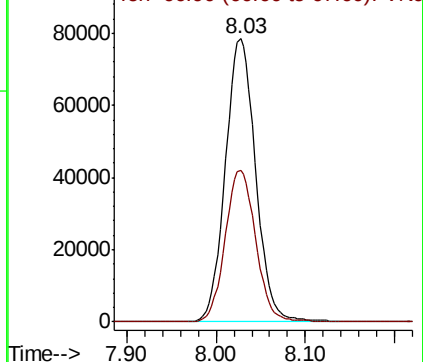


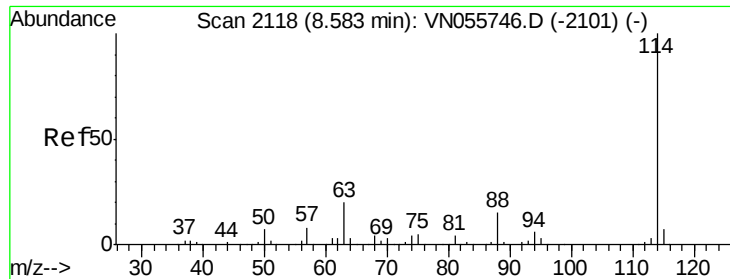
#33
1,2-Dichloroethane-d4
Concen: 45.433 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion: 65 Resp: 184559
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

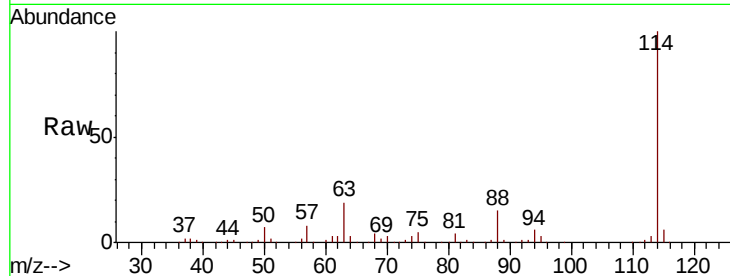




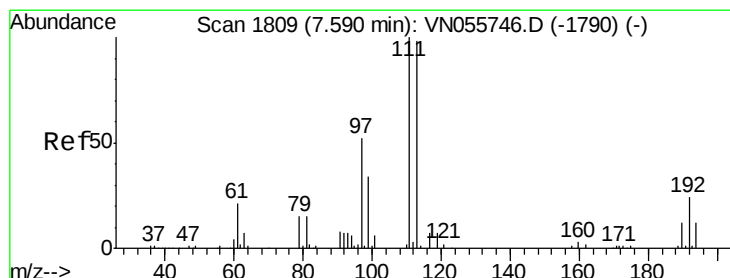
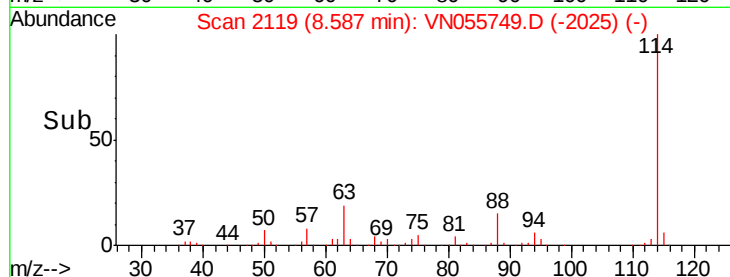
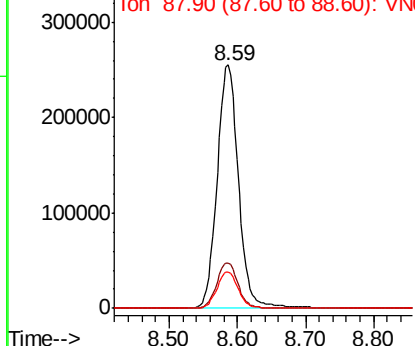
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion:114 Resp: 555751
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 14.9 0.0 31.0

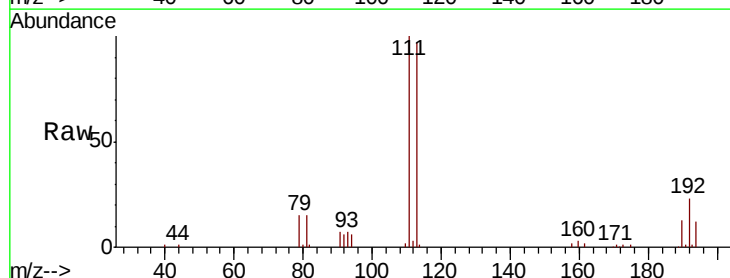


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

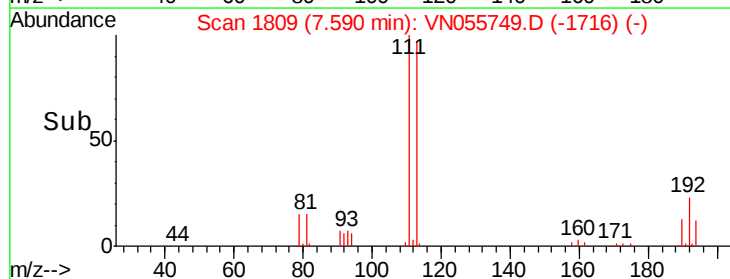
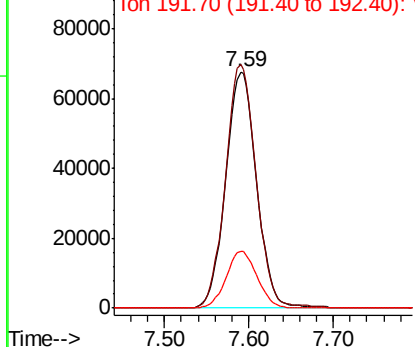


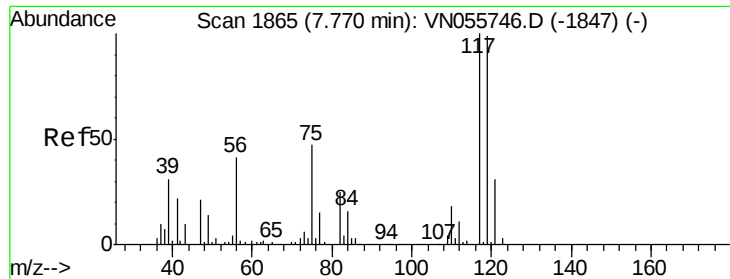
#35
 Dibromofluoromethane
 Concen: 49.032 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Tgt Ion:113 Resp: 172282
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.9 122.9
 192 24.1 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

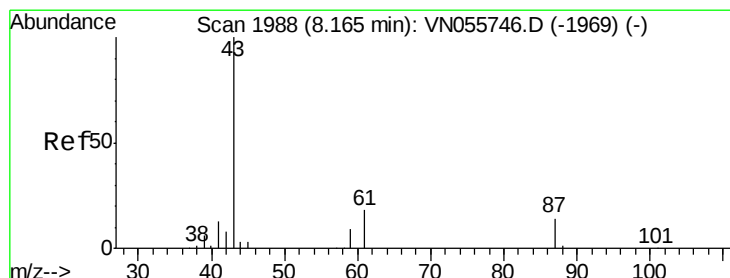
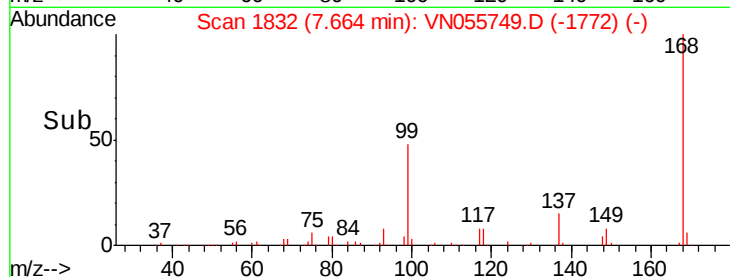
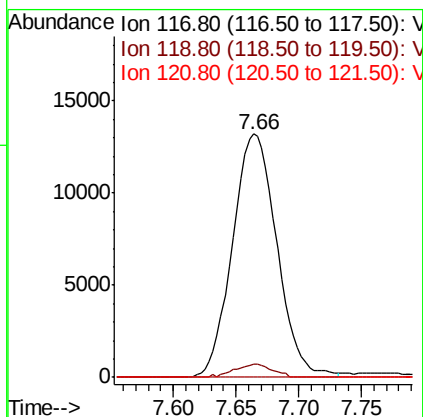
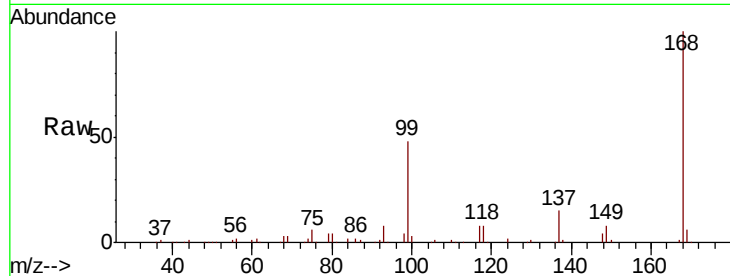




#38
Carbon Tetrachloride
Concen: 6.443 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

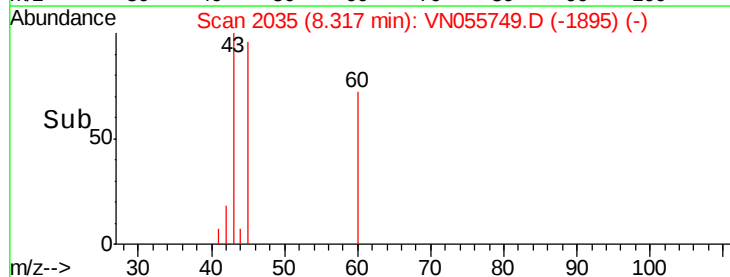
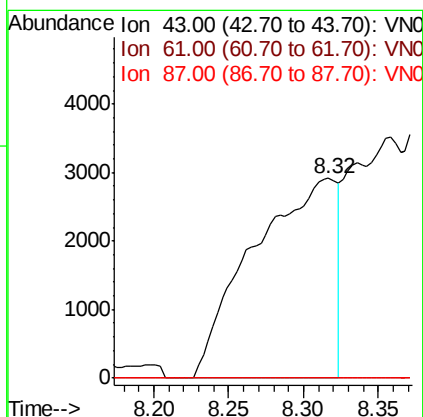
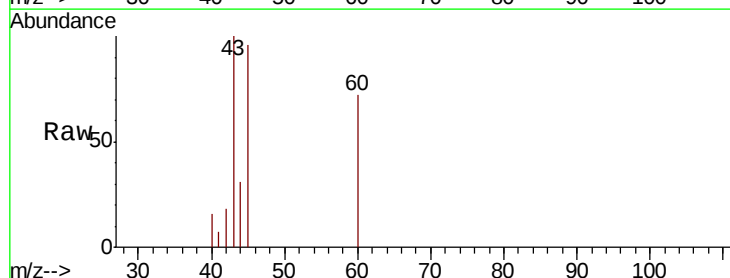
Instrument :
MSVOA_N
ClientSampleId :
IBLK

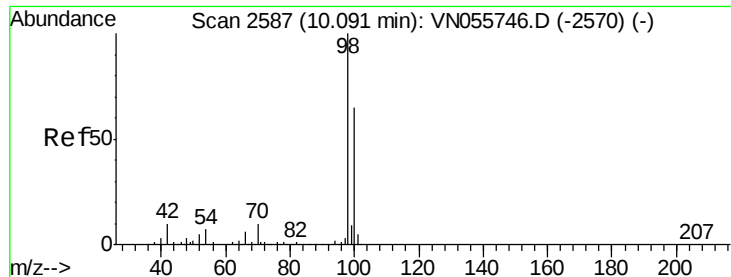
Tot Ion:117 Resp: 32506
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 1.440 ug/l
RT: 8.32 min Scan# 2035
Delta R.T. 0.15 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion: 43 Resp: 11326
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#50

Toluene-d8

Concen: 48.423 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

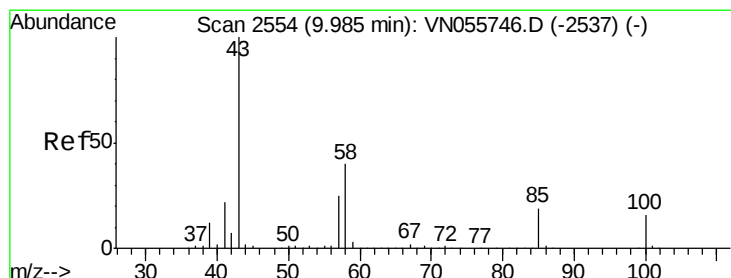
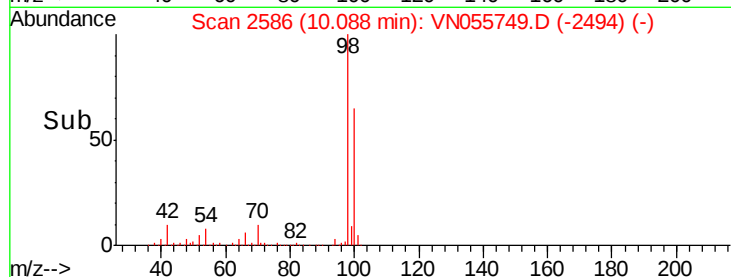
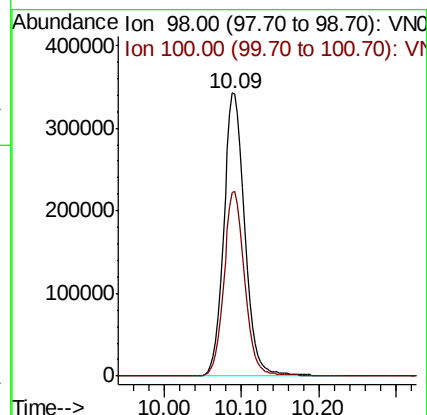
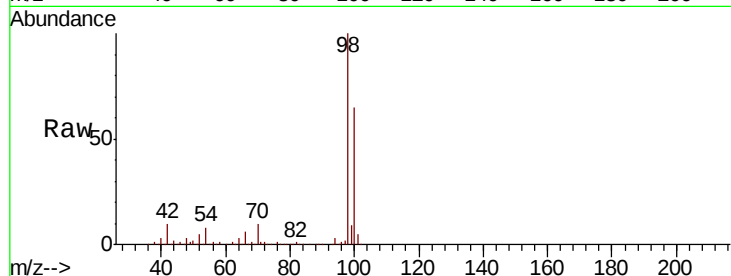
IBLK

Tot Ion: 98 Resp: 652650

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.361 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055749.D

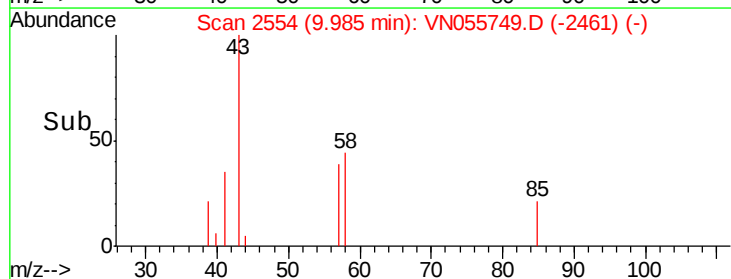
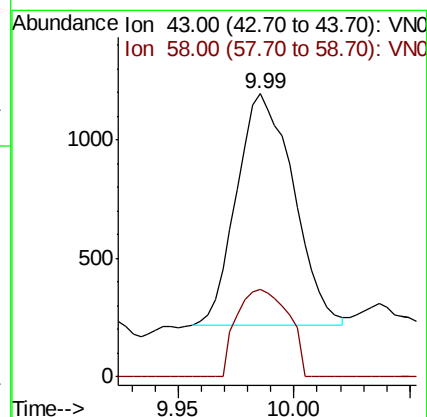
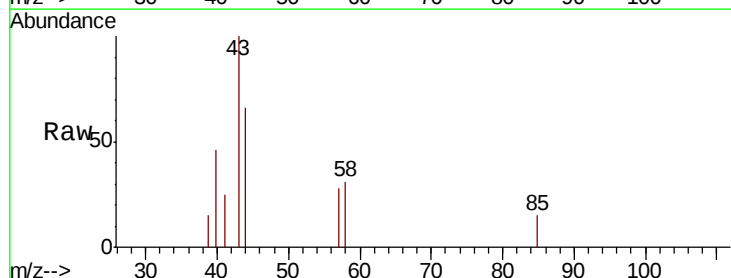
Acq: 23 May 2019 12:15

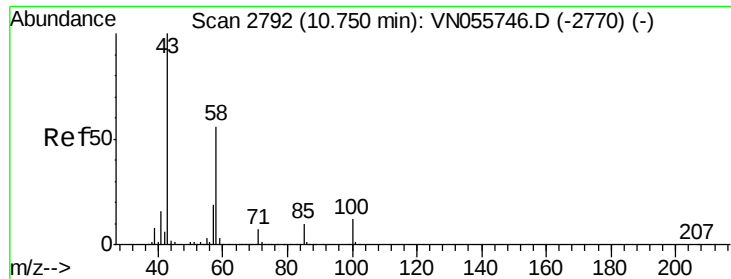
Tgt Ion: 43 Resp: 1676

Ion Ratio Lower Upper

43 100

58 34.1 32.1 48.1

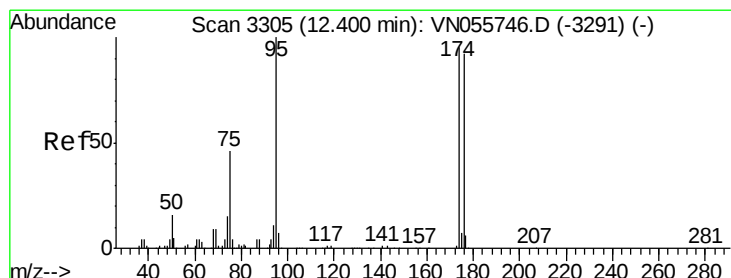
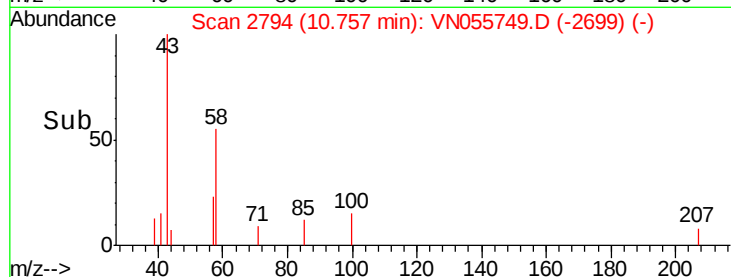
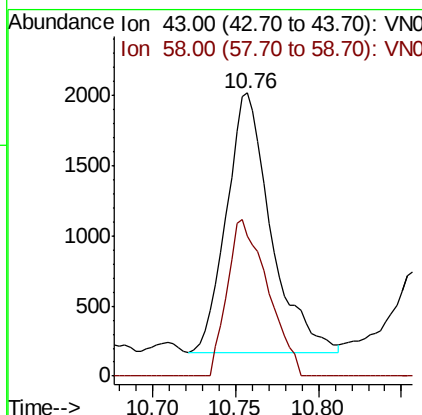
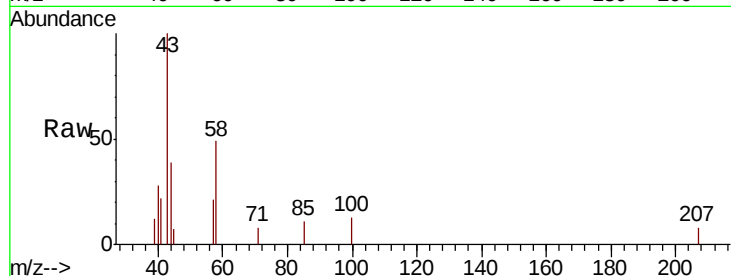




#59
2-Hexanone
Concen: 1.047 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

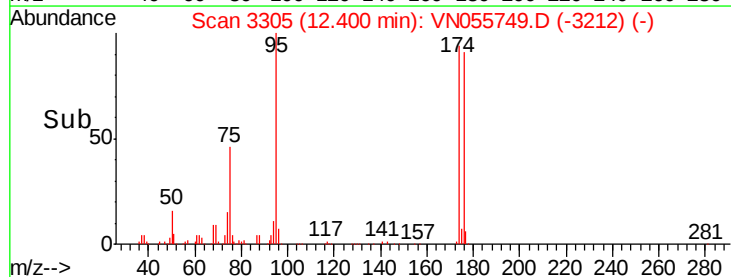
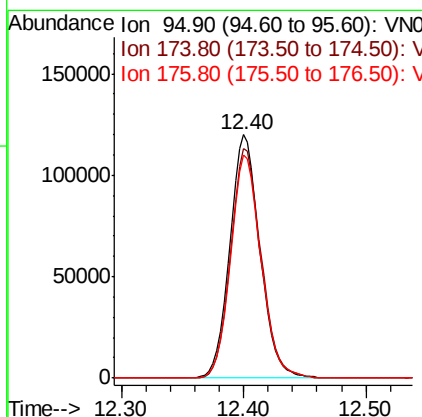
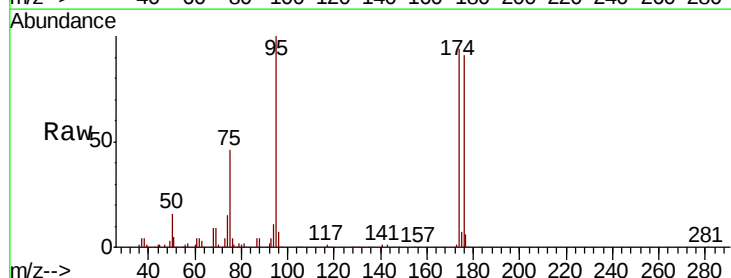
Instrument :
MSVOA_N
ClientSampleId :
IBLK

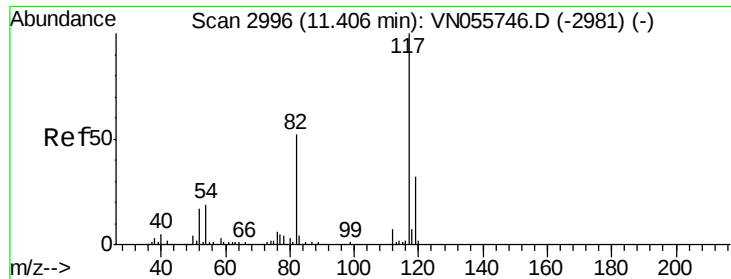
Tot Ion: 43 Resp: 3451
Ion Ratio Lower Upper
43 100
58 55.0 28.2 84.7



#62
4-Bromofluorobenzene
Concen: 44.508 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion: 95 Resp: 205690
Ion Ratio Lower Upper
95 100
174 95.5 0.0 191.0
176 92.7 0.0 185.2

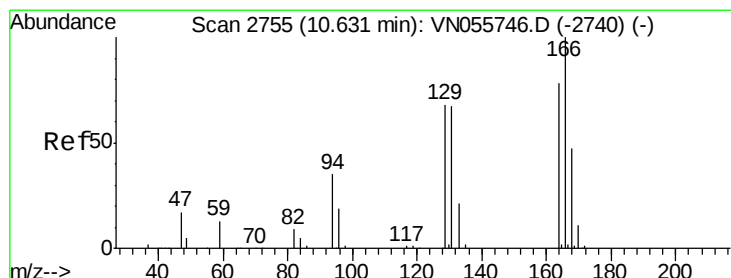
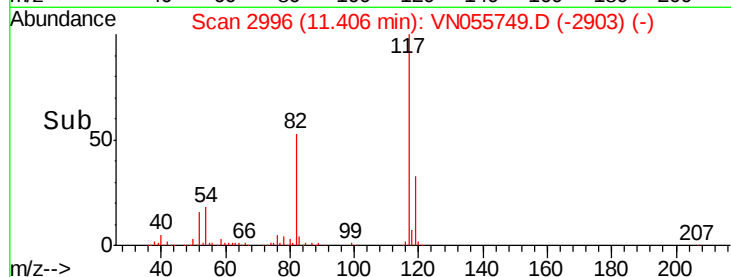
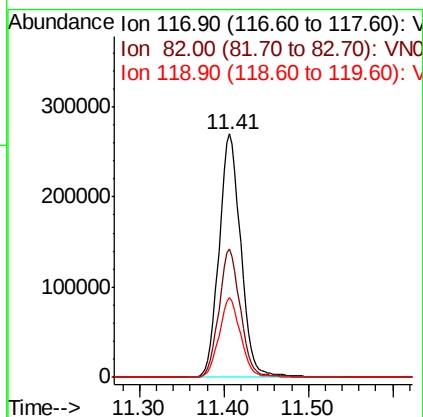
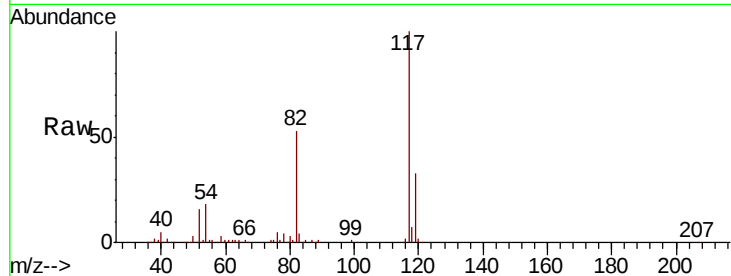




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

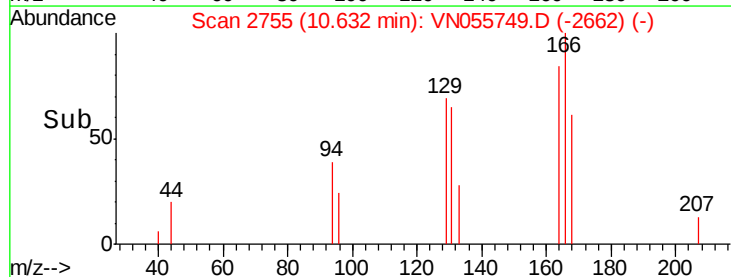
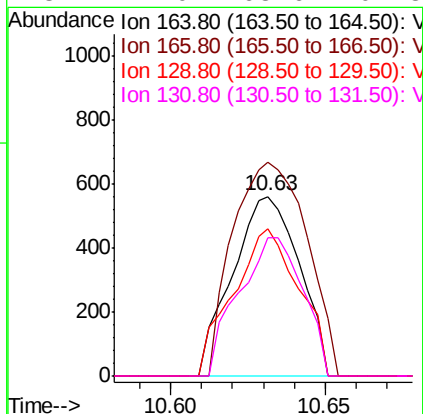
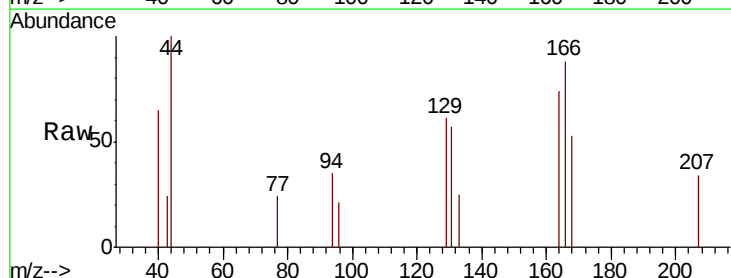
Instrument :
MSVOA_N
ClientSampleId :
IBLK

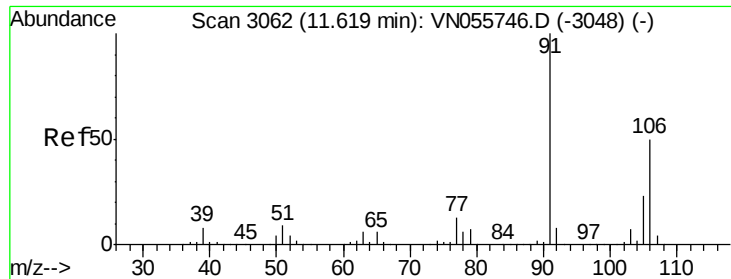
Tot Ion:117 Resp: 483112
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 0.207 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion:164 Resp: 844
Ion Ratio Lower Upper
164 100
166 118.9 103.0 154.6
129 82.2 70.6 105.8
131 77.0 68.6 102.8

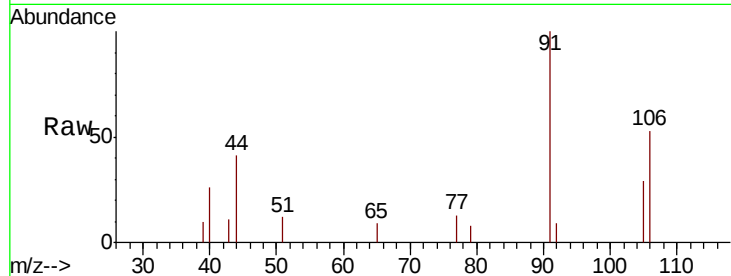




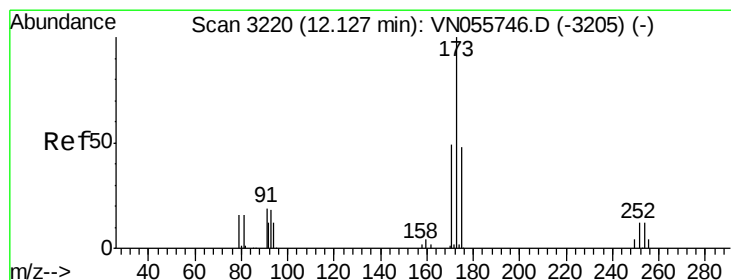
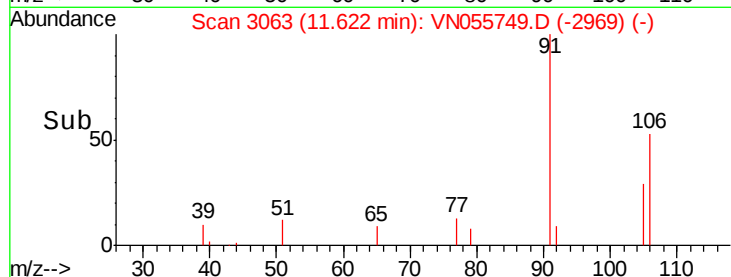
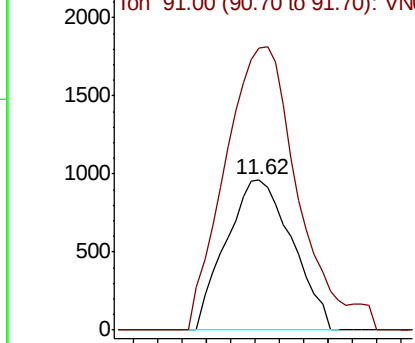
#68
m/p-Xvlenes
Concen: 0.276 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion:106 Resp: 1812
Ion Ratio Lower Upper
106 100
91 207.9 159.3 238.9

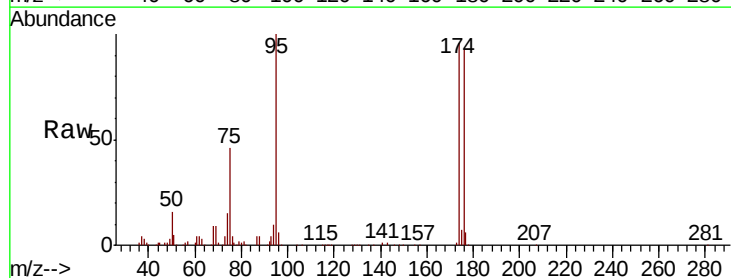


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

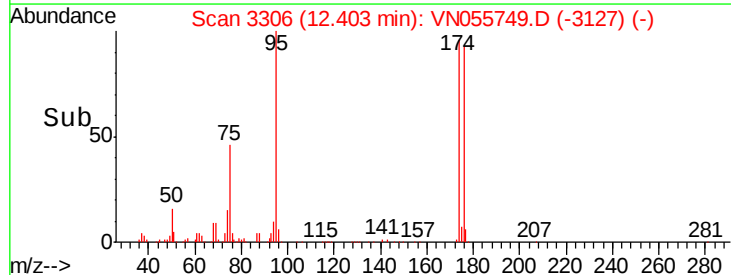
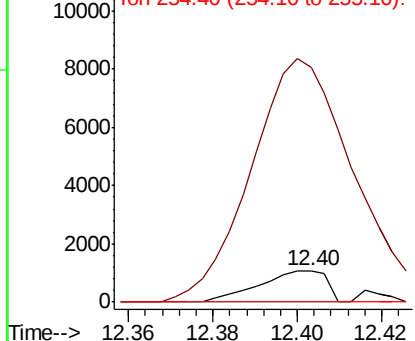


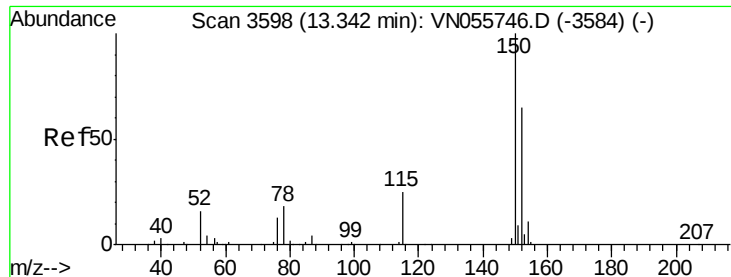
#71
Bromoform
Concen: 0.361 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion:173 Resp: 1187
Ion Ratio Lower Upper
173 100
175 1021.7 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: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

IBLK

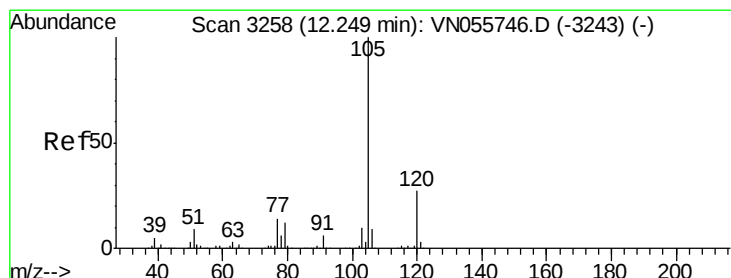
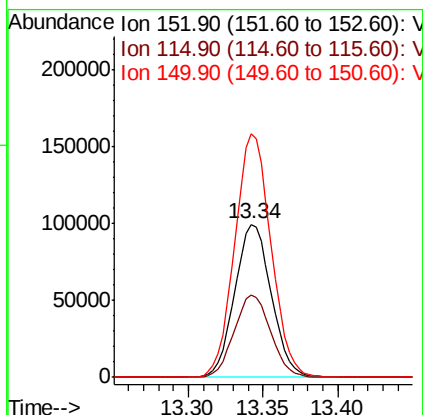
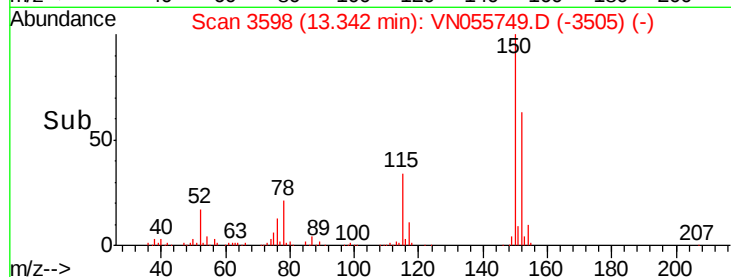
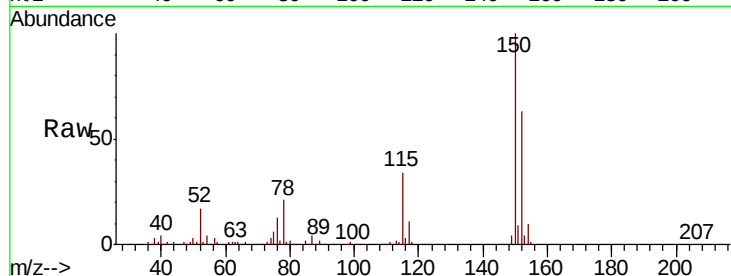
Tot Ion:152 Resp: 169157

Ion Ratio Lower Upper

152 100

115 53.8 27.0 81.0

150 158.0 0.0 343.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055749.D

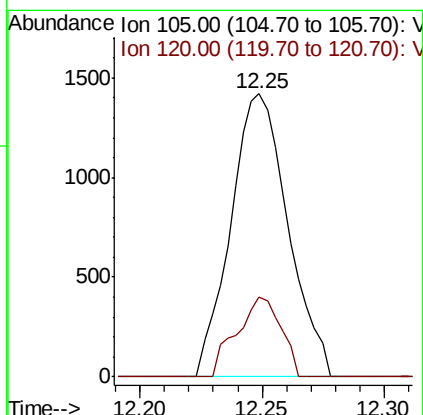
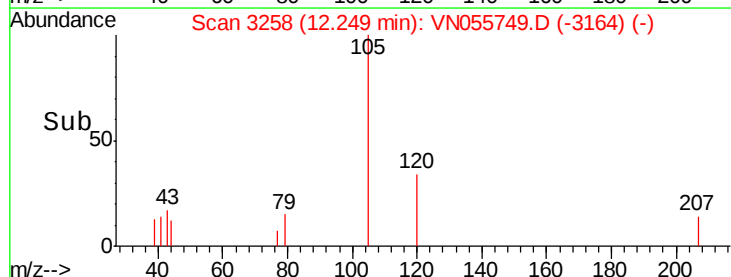
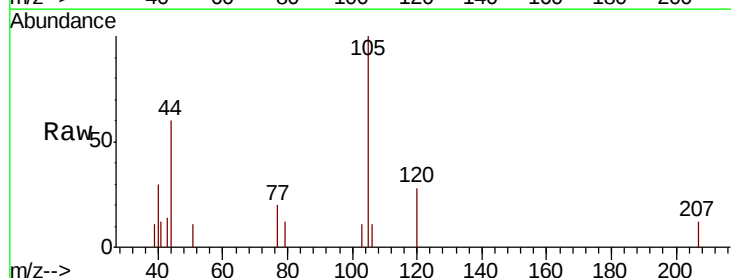
Acq: 23 May 2019 12:15

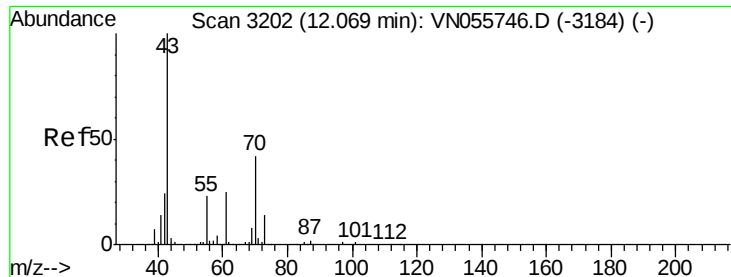
Tgt Ion:105 Resp: 2305

Ion Ratio Lower Upper

105 100

120 21.7 13.6 40.7





#74

N-amvl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

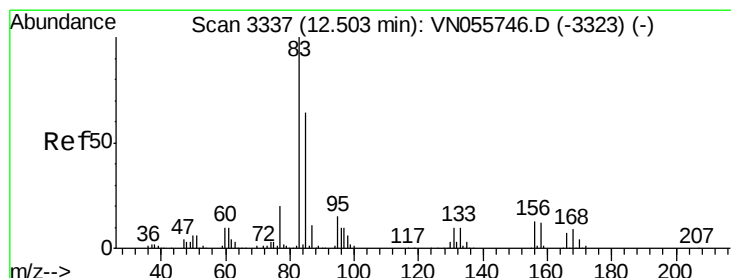
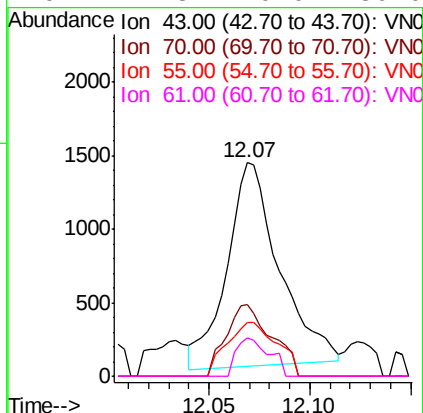
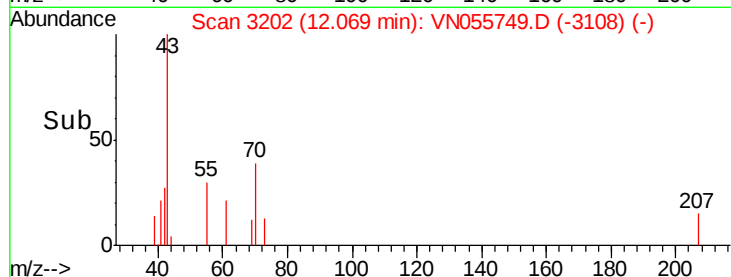
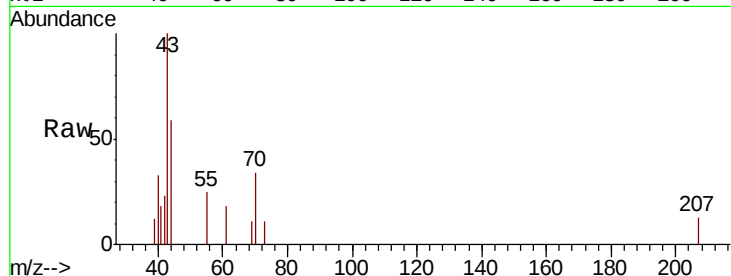
MSVOA_N

ClientSampleId :

IBLK

Tot Ion: 43 Resp: 2527

Ion	Ratio	Lower	Upper
43	100		
70	30.4	34.0	51.0#
55	25.1	18.6	28.0
61	11.8	20.0	30.0#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

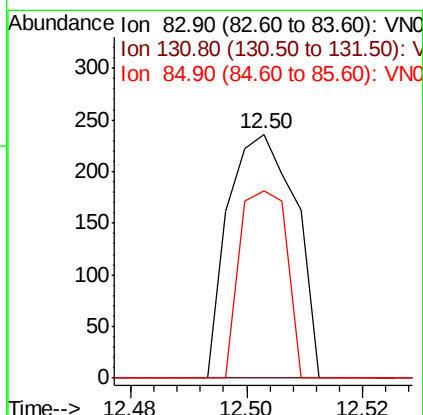
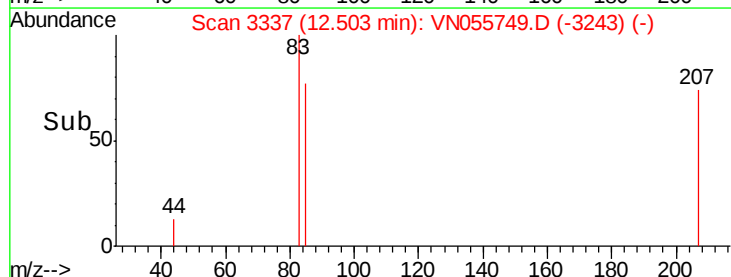
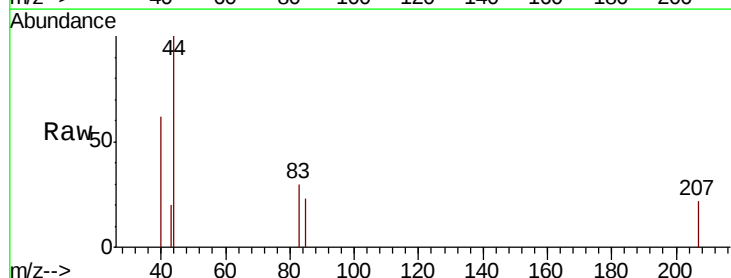
Delta R.T. 0.00 min

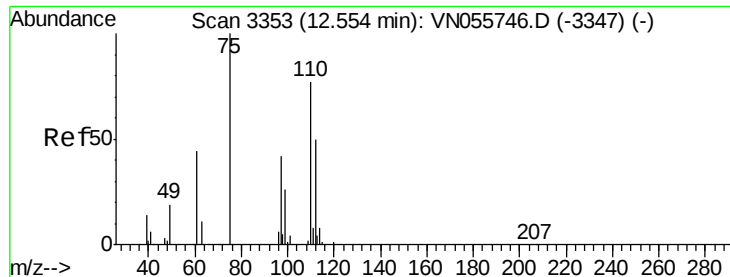
Lab File: VN055749.D

Acq: 23 May 2019 12:15

Tgt Ion: 83 Resp: 189

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.4	16.2#
85	53.4	32.4	97.0





#76

1,2,3-Trichloropropane

Concen: 31.308 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

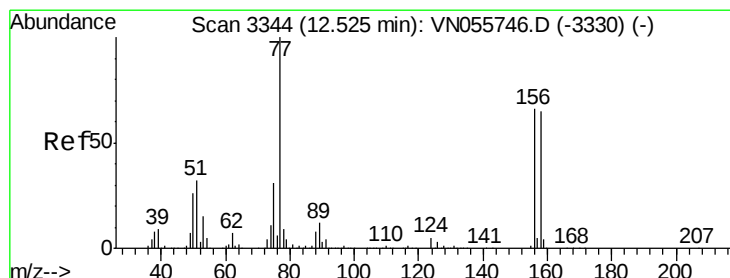
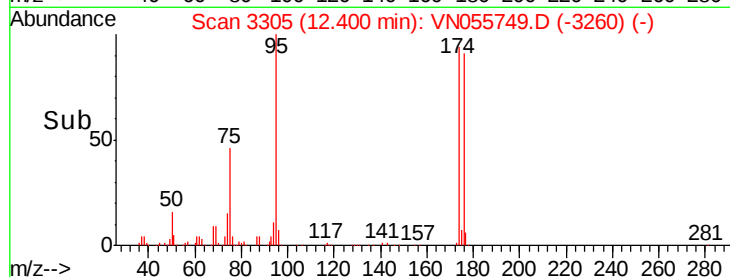
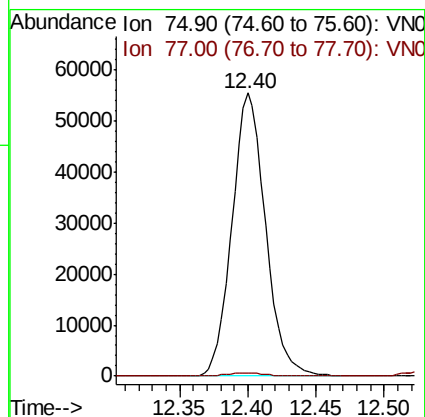
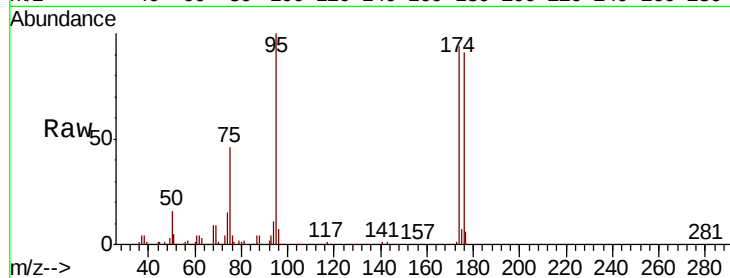
IBLK

Tot Ion: 75 Resp: 94621

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#77

Bromobenzene

Concen: 0.217 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

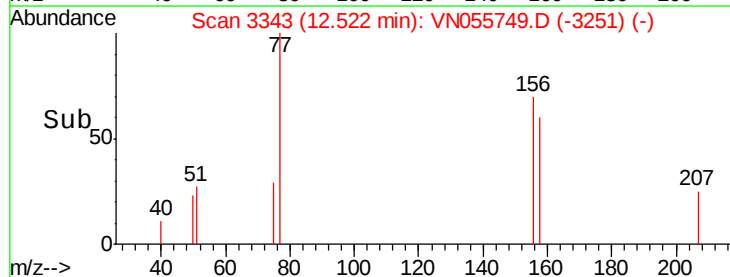
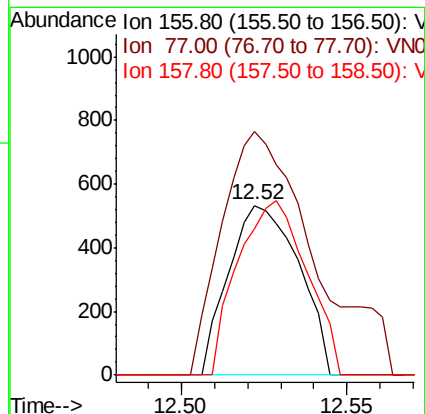
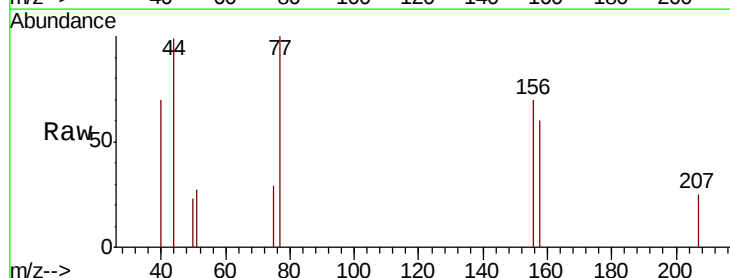
Tgt Ion: 156 Resp: 784

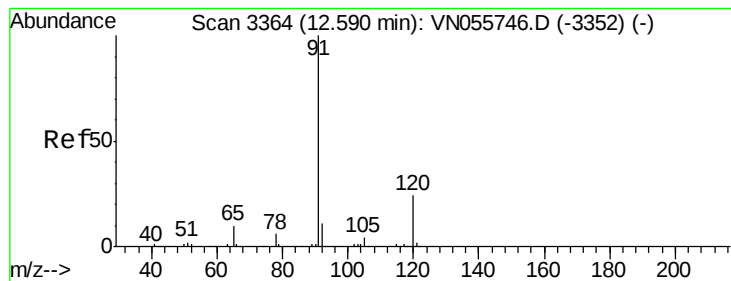
Ion Ratio Lower Upper

156 100

77 188.4 90.8 272.5

158 100.9 49.3 147.8





#78

n-propylbenzene

Concen: 0.262 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

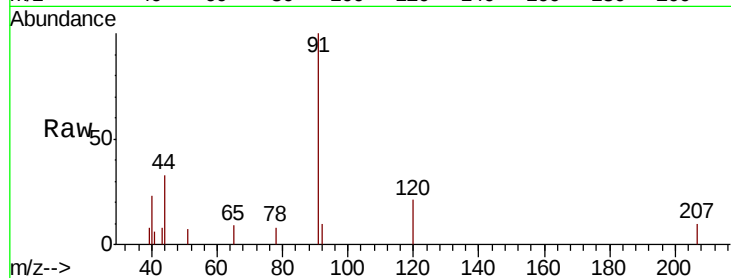
IBLK

Tot Ion: 91 Resp: 3856

Ion Ratio Lower Upper

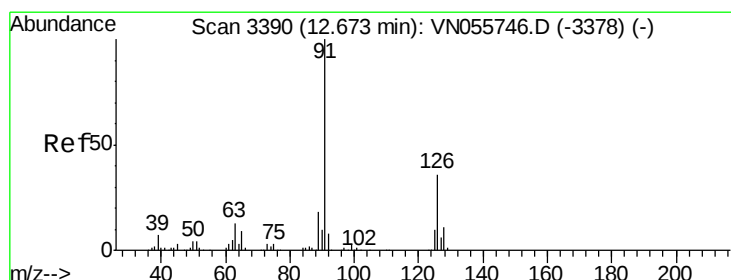
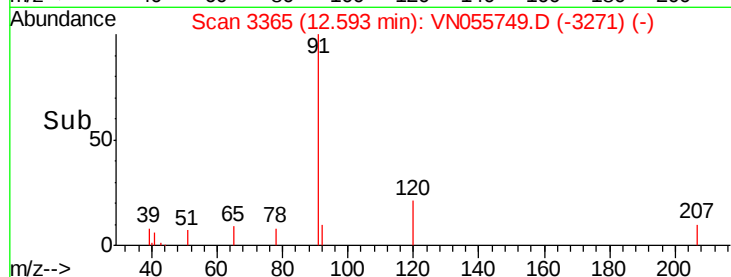
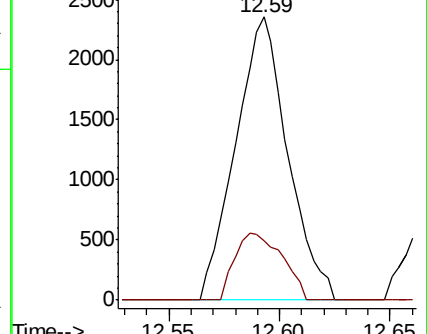
91 100

120 21.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055749.D

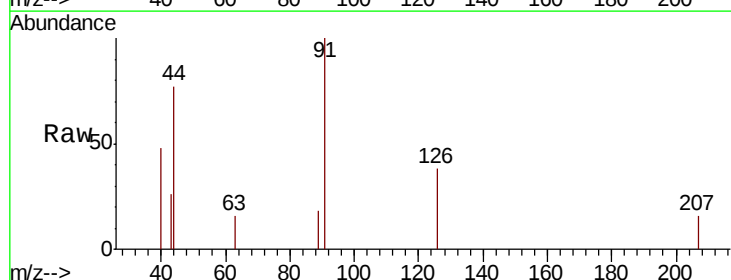
Acq: 23 May 2019 12:15

Tgt Ion: 91 Resp: 1938

Ion Ratio Lower Upper

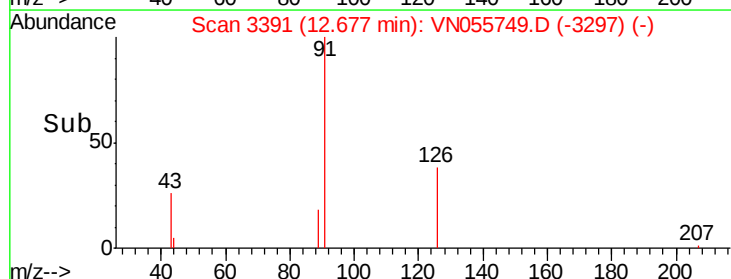
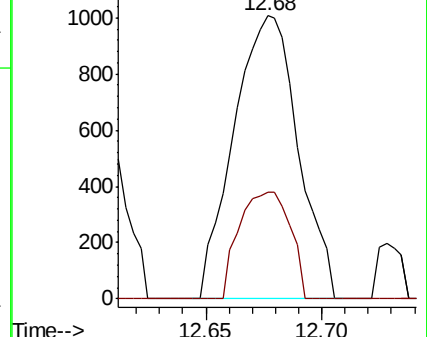
91 100

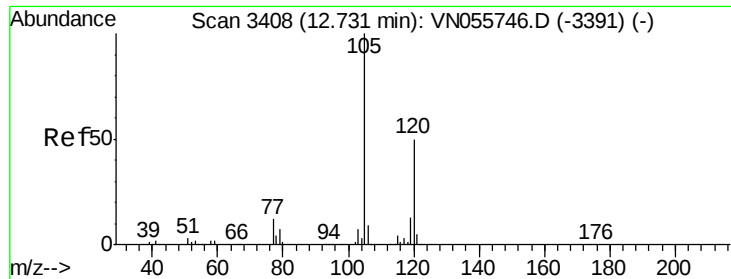
126 29.9 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

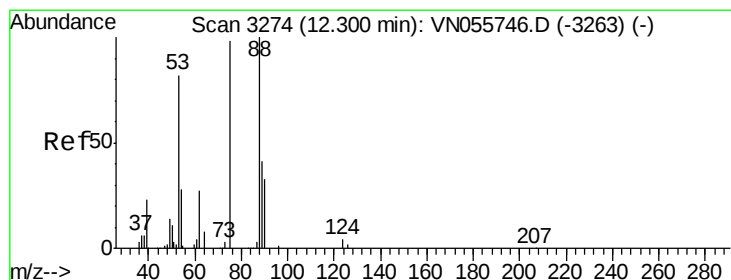
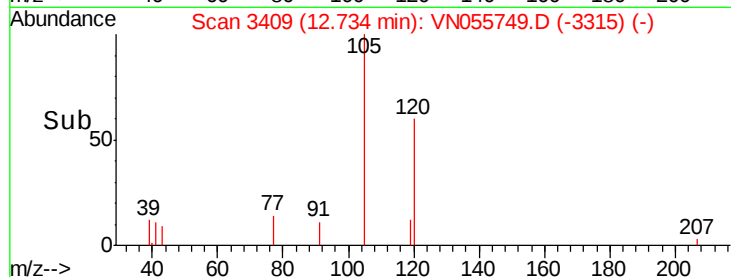
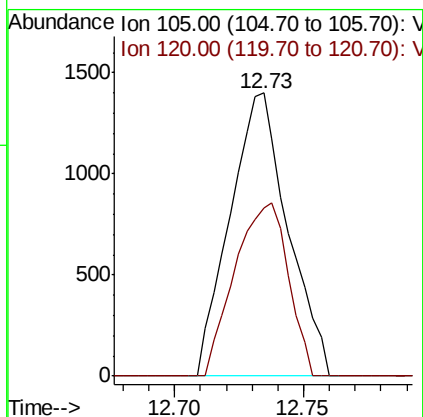
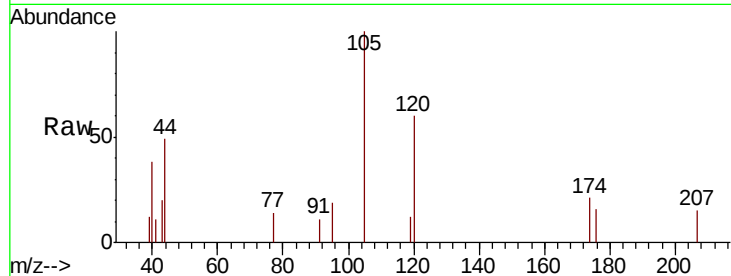




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

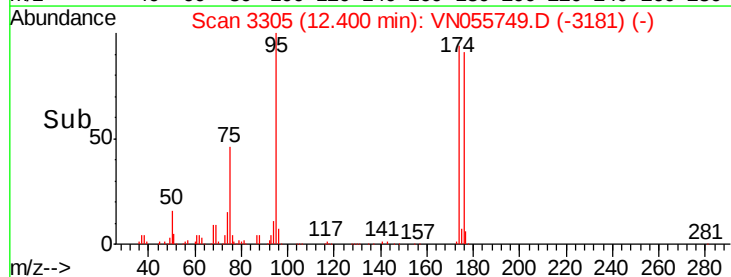
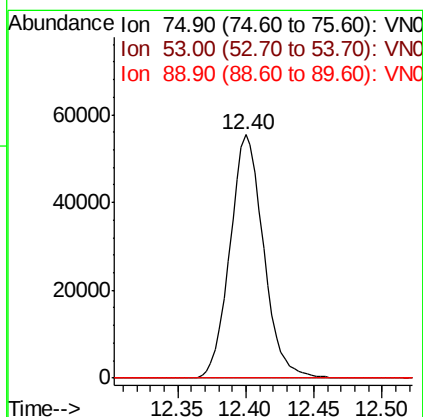
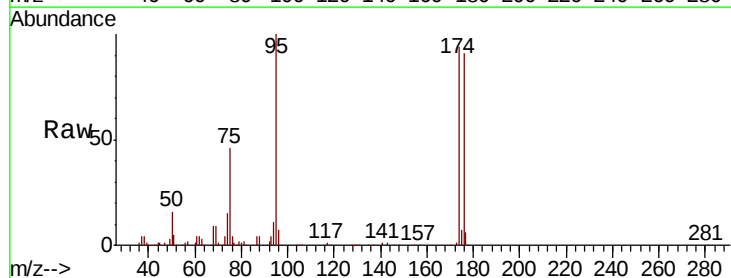
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

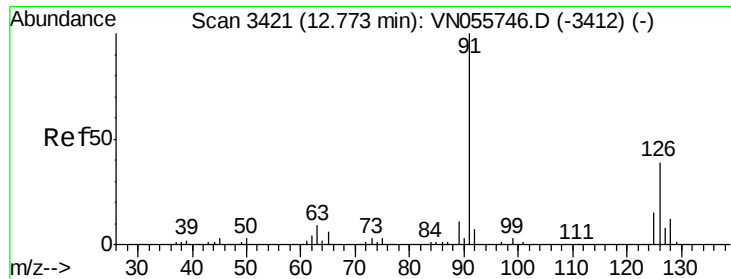
Tot Ion: 105 Resp: 2183
 Ion Ratio Lower Upper
 105 100
 120 56.5 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.262 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Tgt Ion: 75 Resp: 94621
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

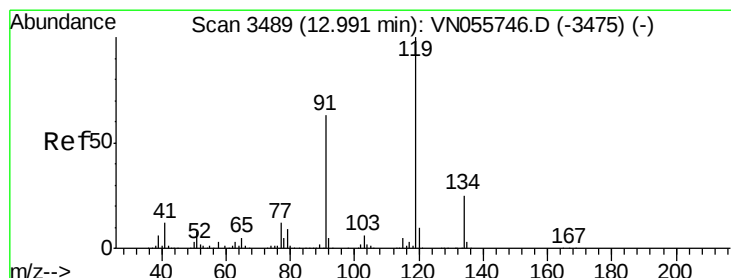
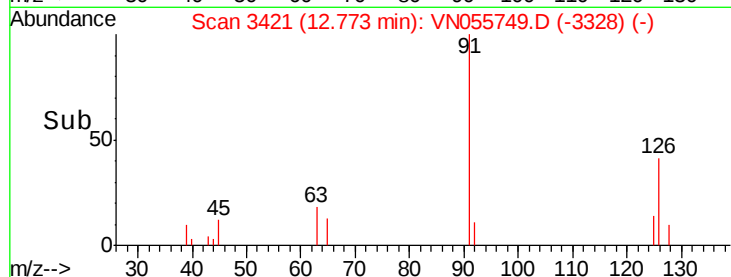
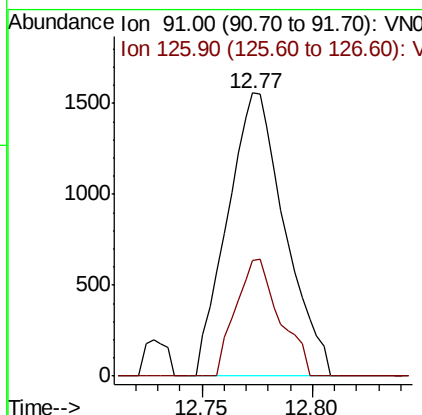
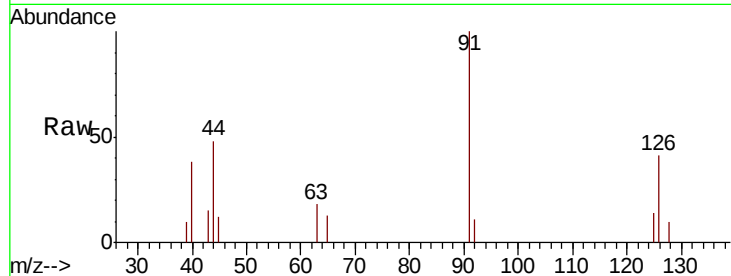




#82
 4-Chlorotoluene
 Concen: 0.326 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

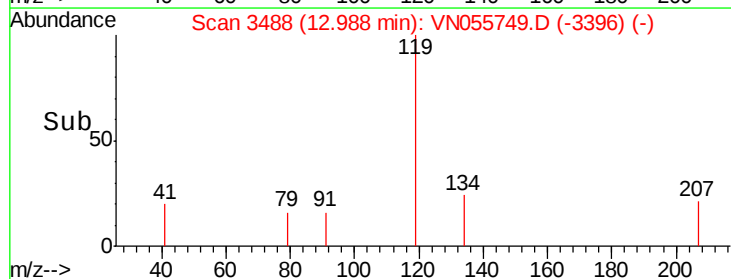
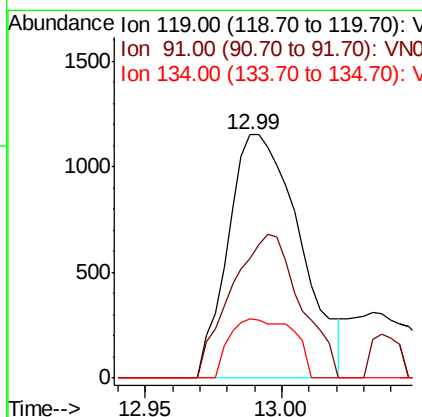
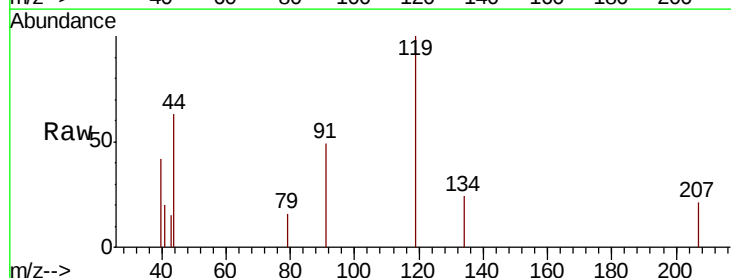
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

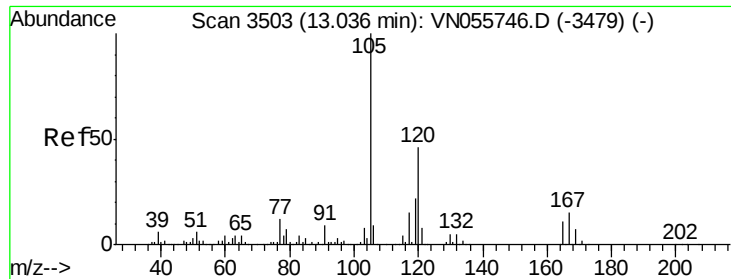
Tot Ion: 91 Resp: 2815
 Ion Ratio Lower Upper
 91 100
 126 31.5 17.8 53.3



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Tgt Ion: 119 Resp: 2112
 Ion Ratio Lower Upper
 119 100
 91 56.3 30.9 92.8
 134 21.6 13.3 39.8

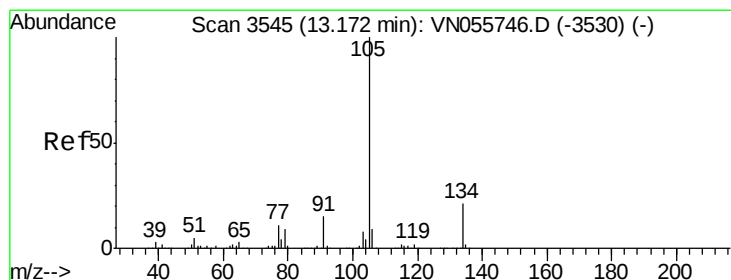
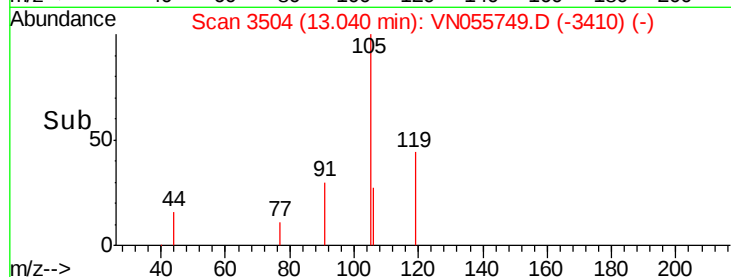
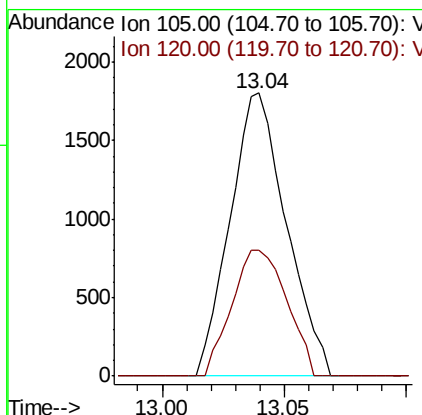
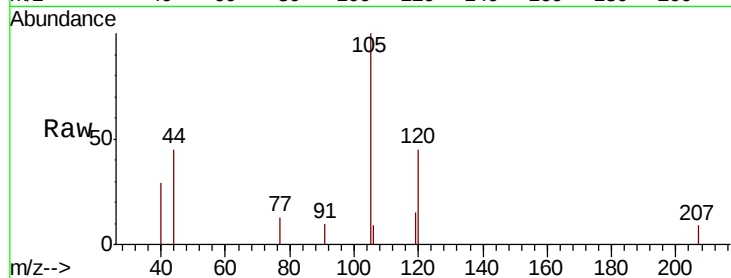




#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

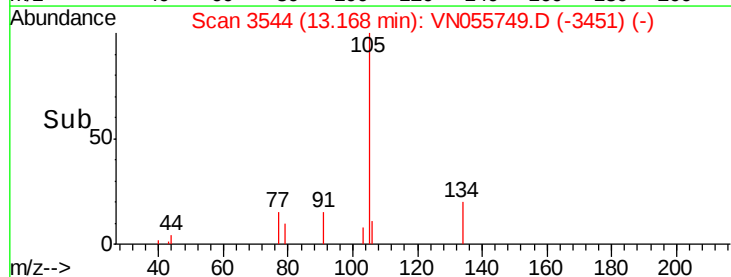
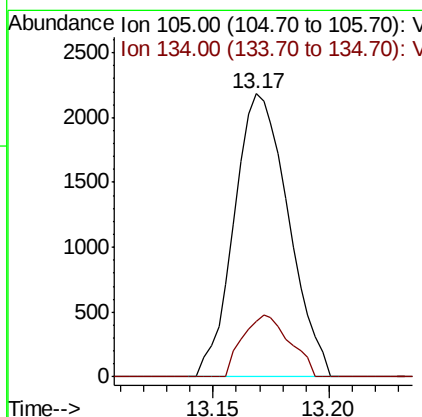
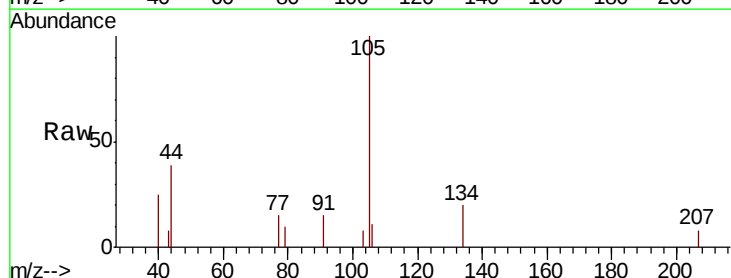
Instrument :
MSVOA_N
ClientSampled :
IBLK

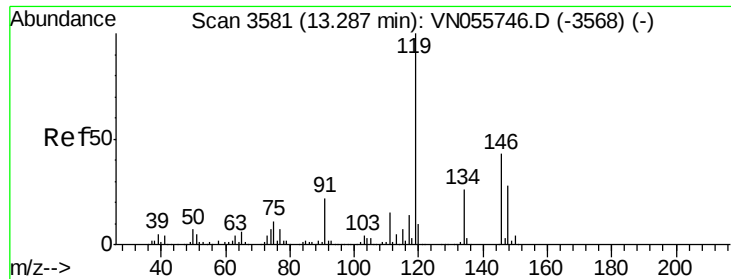
Tot Ion:105 Resp: 2879
Ion Ratio Lower Upper
105 100
120 43.6 23.0 69.0



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3544
Delta R.T. -0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion:105 Resp: 3554
Ion Ratio Lower Upper
105 100
134 19.1 10.4 31.2

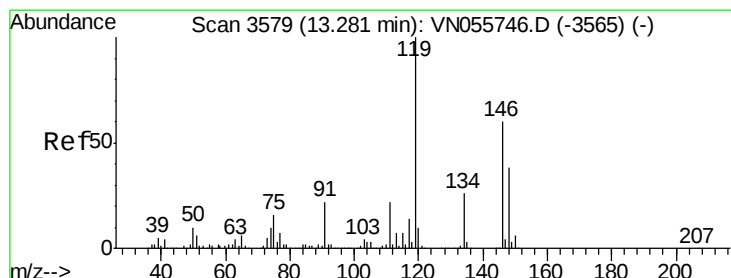
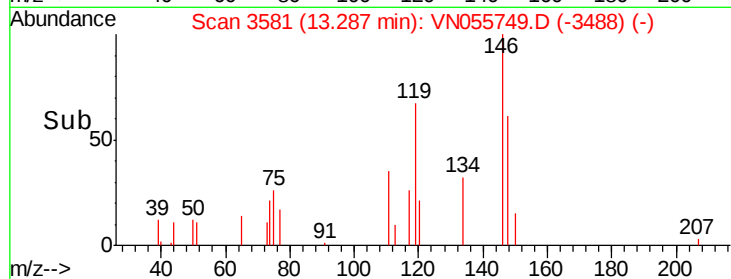
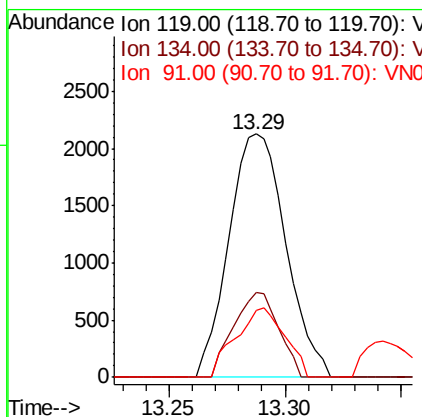
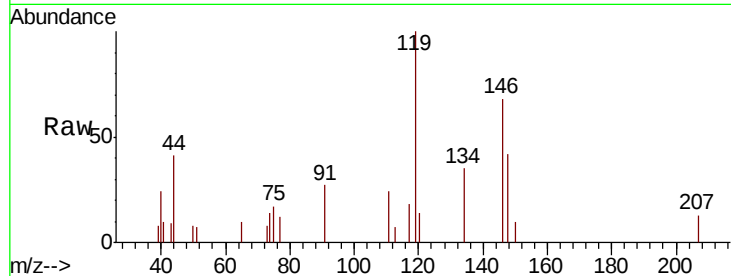




#86
p-Isopropyltoluene
Concen: 0.309 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

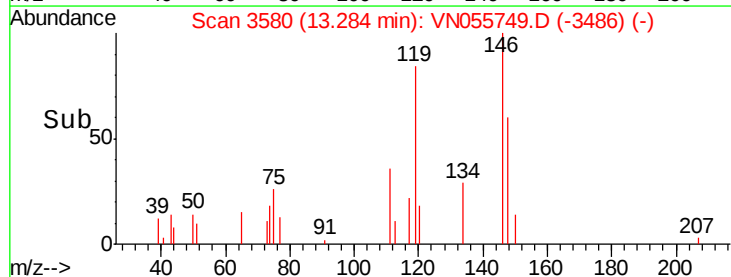
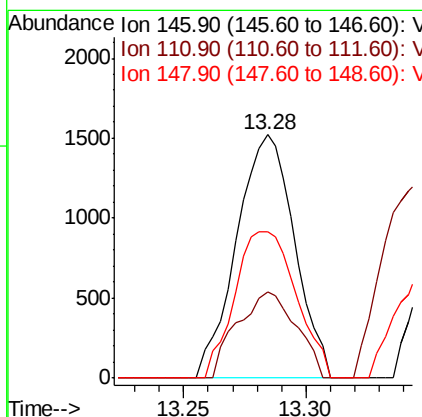
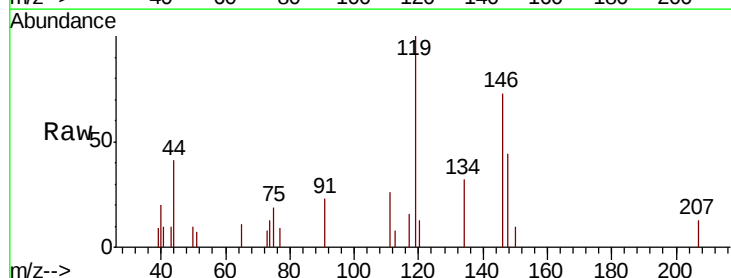
Instrument :
MSVOA_N
ClientSampled :
IBLK

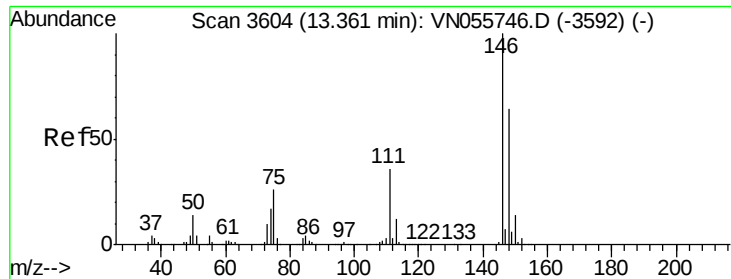
Tot Ion:119 Resp: 3634
Ion Ratio Lower Upper
119 100
134 27.7 13.4 40.1
91 24.6 10.9 32.9



#87
1,3-Dichlorobenzene
Concen: 0.438 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN055749.D
Acq: 23 May 2019 12:15

Tgt Ion:146 Resp: 2502
Ion Ratio Lower Upper
146 100
111 36.0 18.5 55.5
148 63.9 32.0 96.2

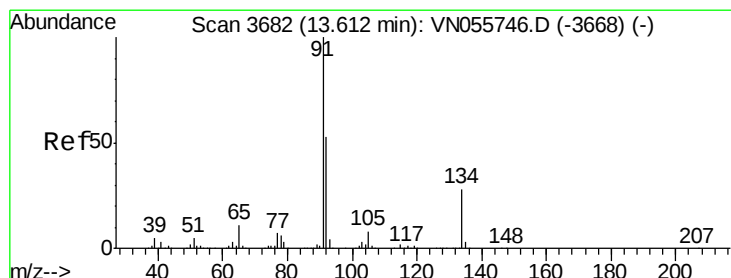
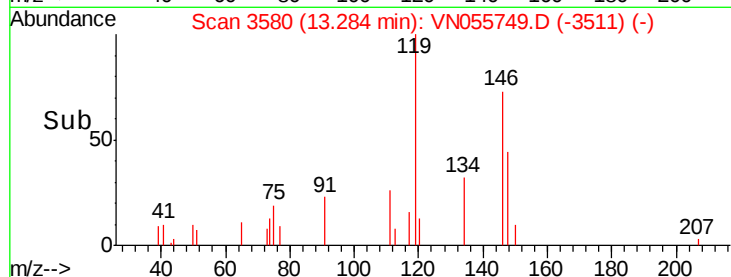
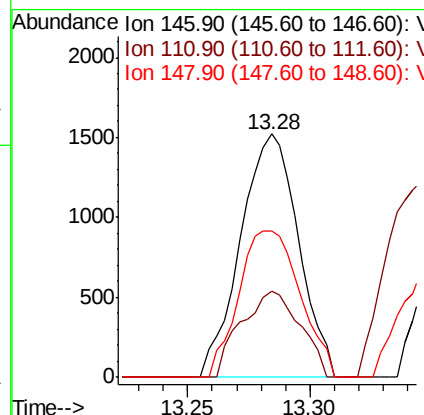
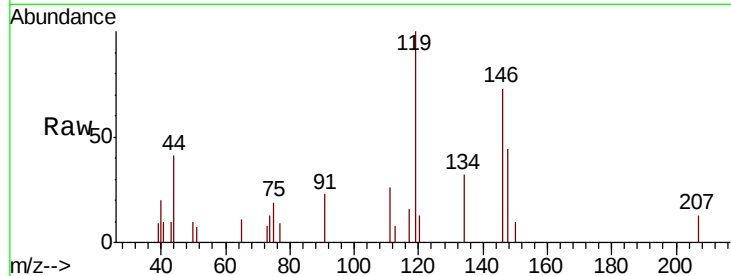




#88
 1,4-Dichlorobenzene
 Concen: 0.460 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

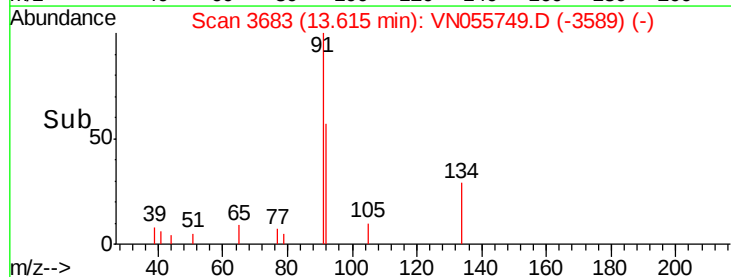
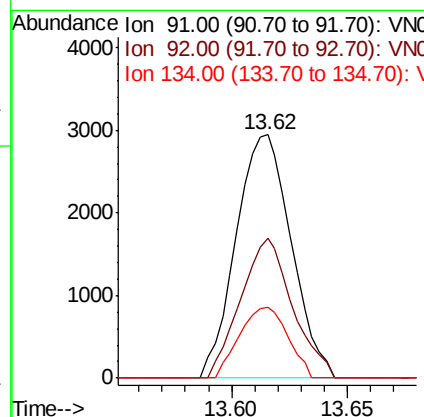
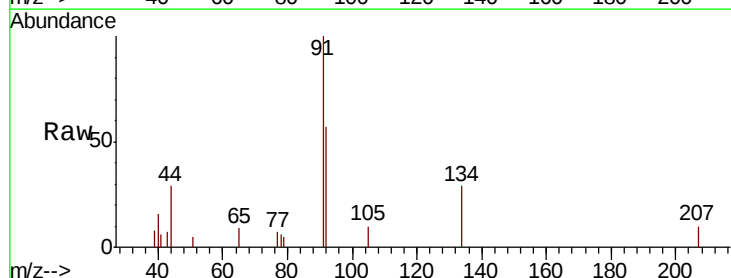
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

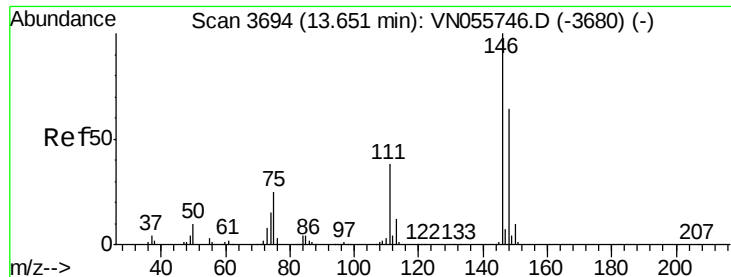
Tot Ion:146 Resp: 2502
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.4
 148 63.9 32.1 96.5



#89
 n-Butylbenzene
 Concen: 0.541 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Tgt Ion: 91 Resp: 4873
 Ion Ratio Lower Upper
 91 100
 92 54.0 26.4 79.0
 134 25.6 13.9 41.7





#91

1,2-Dichlorobenzene

Concen: 0.395 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

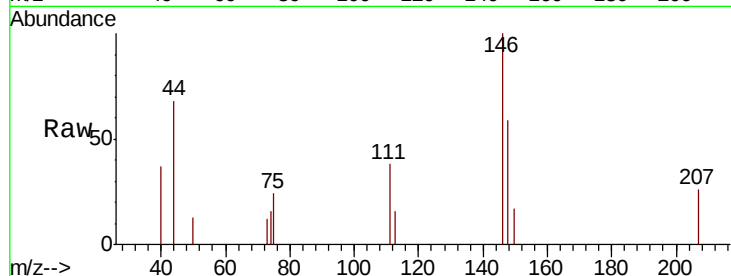
Tot Ion:146 Resp: 2251

Ion Ratio Lower Upper

146 100

111 33.7 19.1 57.5

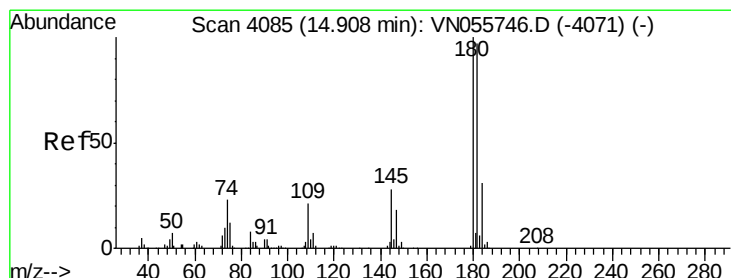
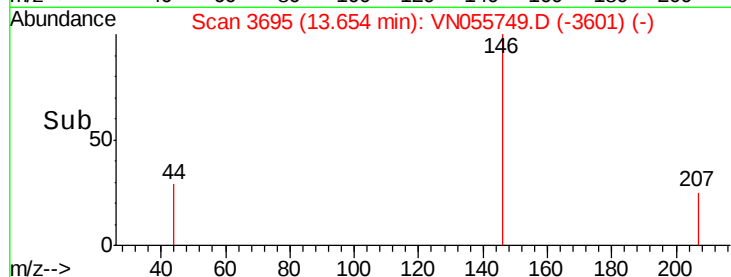
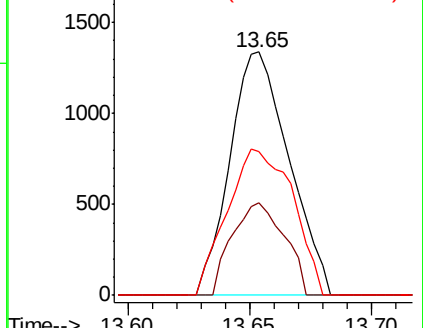
148 67.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 5.024 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

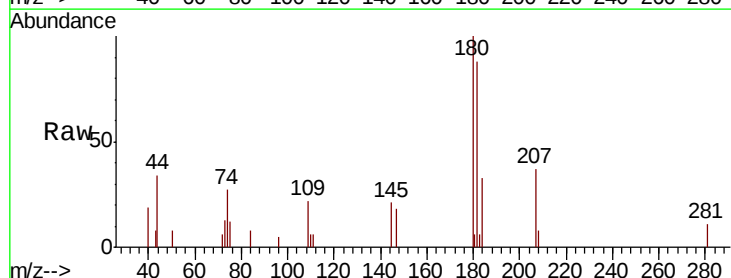
Tgt Ion:180 Resp: 4908

Ion Ratio Lower Upper

180 100

182 86.8 48.3 144.9

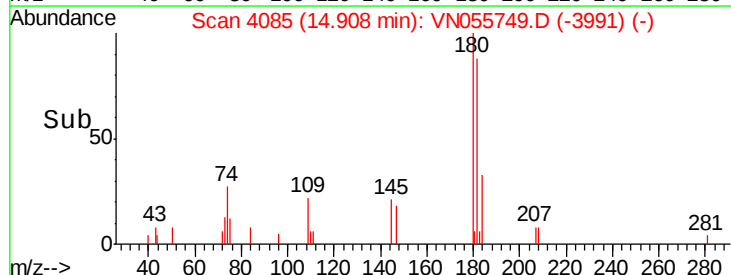
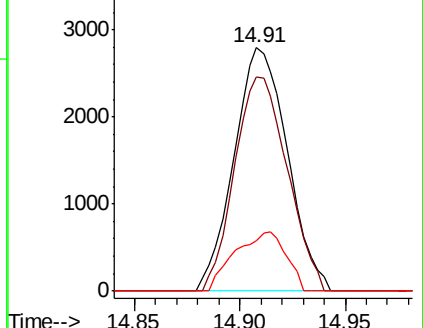
145 23.3 14.0 41.9

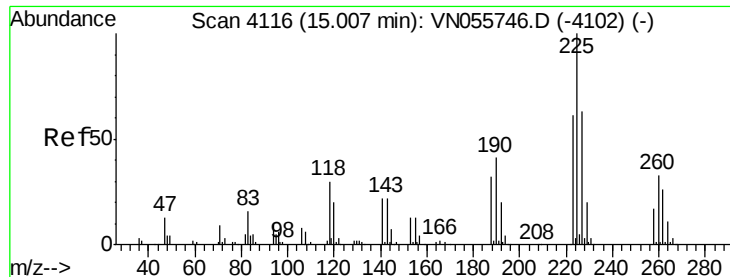


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

IBLK

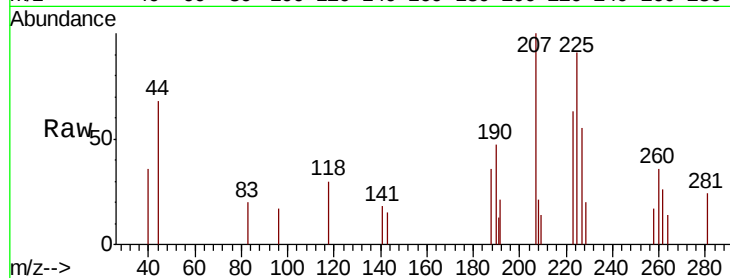
Tot Ion:225 Resp: 1797

Ion Ratio Lower Upper

225 100

223 68.9 30.9 92.7

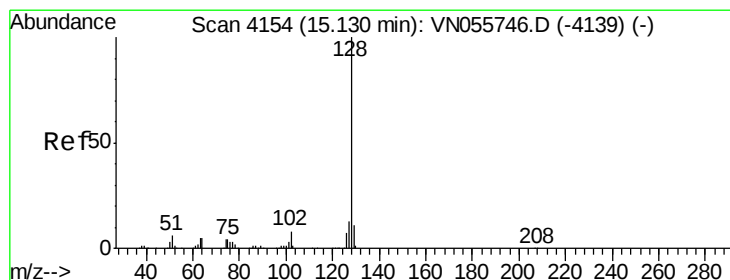
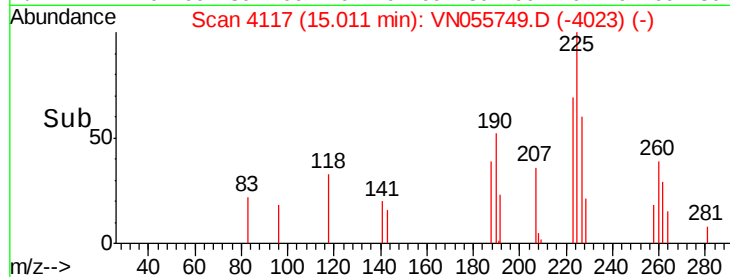
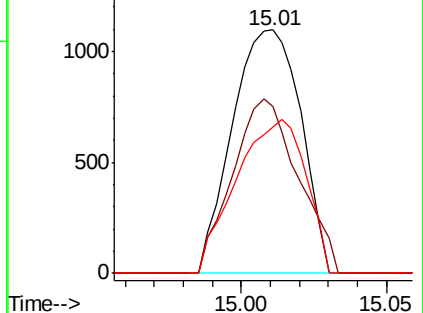
227 64.5 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.023 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055749.D

Acq: 23 May 2019 12:15

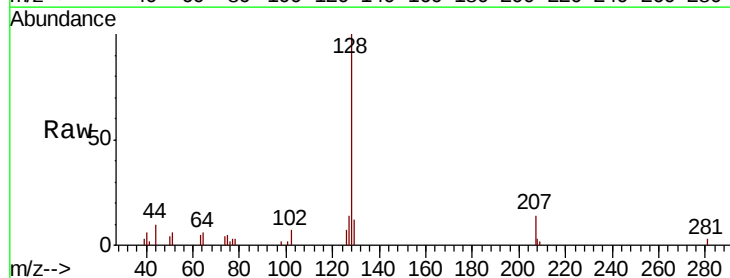
Tgt Ion:128 Resp: 15832

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

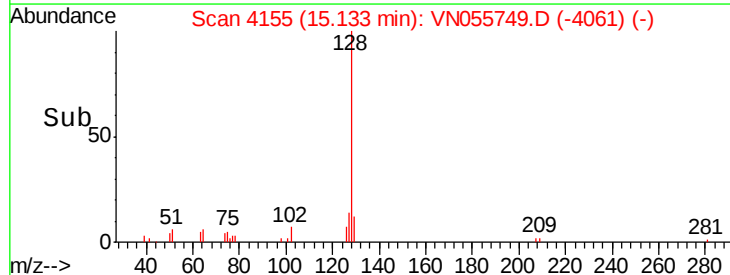
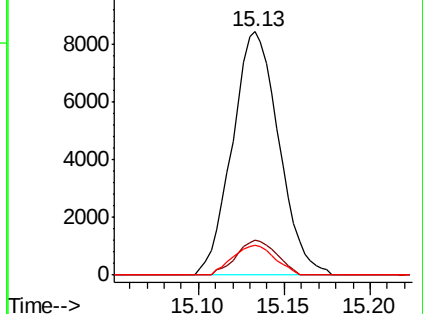
129 11.1 8.7 13.1

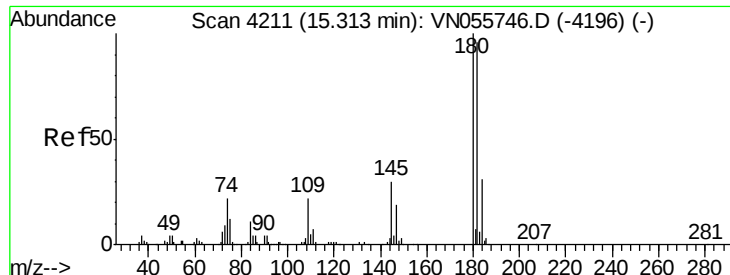


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

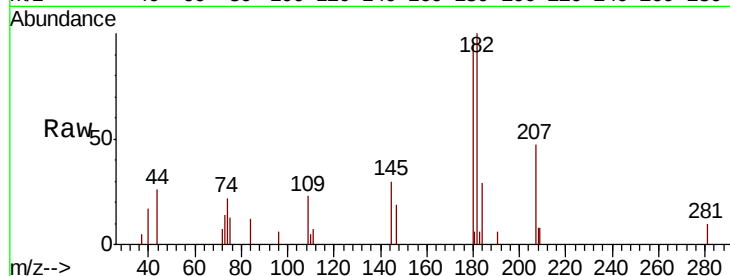




#96
 1,2,3-Trichlorobenzene
 Concen: 1.869 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055749.D
 Acq: 23 May 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.8	47.9	143.7
145	30.4	14.9	44.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

