

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059616.D
 Acq On : 16 Dec 2019 20:19
 Operator : JC/SP
 Sample : K6145-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TH-3

Quant Time: Dec 17 04:55:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	244796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	390659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	361467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149577	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	174225	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.57	113	125012	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.08	98	496355	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.40	95	169677	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.73	59	350	0.536	ug/l #	72
14) Allyl chloride	4.52	41	22231	4.218	ug/l #	23
16) Acetone	3.79	43	16359	7.735	ug/l	99
17) Carbon Disulfide	4.03	76	2089	2.101	ug/l #	75
18) Methyl Acetate	4.30	43	6533	1.474	ug/l #	80
20) Methylene Chloride	4.52	84	598430	195.925	ug/l	99
25) 2-Butanone	6.82	43	3780	1.495	ug/l	98
31) Cyclohexane	7.64	56	5731	1.102	ug/l #	2
36) 1,1-Dichloropropene	7.64	75	20259	4.973	ug/l #	50
38) Carbon Tetrachloride	7.64	117	24603	5.820	ug/l #	16
43) Isopropyl Acetate	8.14	43	60557	8.226	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	915	0.285	ug/l #	44
48) Methyl methacrylate	9.17	41	4369	1.308	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	6099	1.390	ug/l	91
52) Toluene	10.14	92	2750	0.376	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	24362	4.772	ug/l #	64
56) Ethyl methacrylate	10.54	69	892	0.209	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3654	0.731	ug/l #	42
59) 2-Hexanone	10.76	43	52510	15.179	ug/l #	54
67) Ethyl Benzene	11.51	91	15992	1.133	ug/l	97
68) m/p-Xylenes	11.61	106	21992	4.219	ug/l	99
69) o-Xylene	11.94	106	10221	2.061	ug/l	99
70) Styrene	11.96	104	1718	0.216	ug/l #	1
71) Bromoform	12.40	173	1124	0.503	ug/l #	1
74) N-amyl acetate	12.03	43	3115	0.578	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	89876	24.272	ug/l #	100
78) n-propylbenzene	12.59	91	3730	0.269	ug/l	93
79) 2-Chlorotoluene	12.65	91	2105	0.251	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	13626	1.371	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	89876	59.949	ug/l #	11
83) tert-Butylbenzene	13.04	119	7954	0.945	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.04	105	60171	6.090	ug/l	99
85) sec-Butylbenzene	13.04	105	60171	5.376	ug/l #	57
90) Hexachloroethane	13.89	117	789	0.412	ug/l #	12

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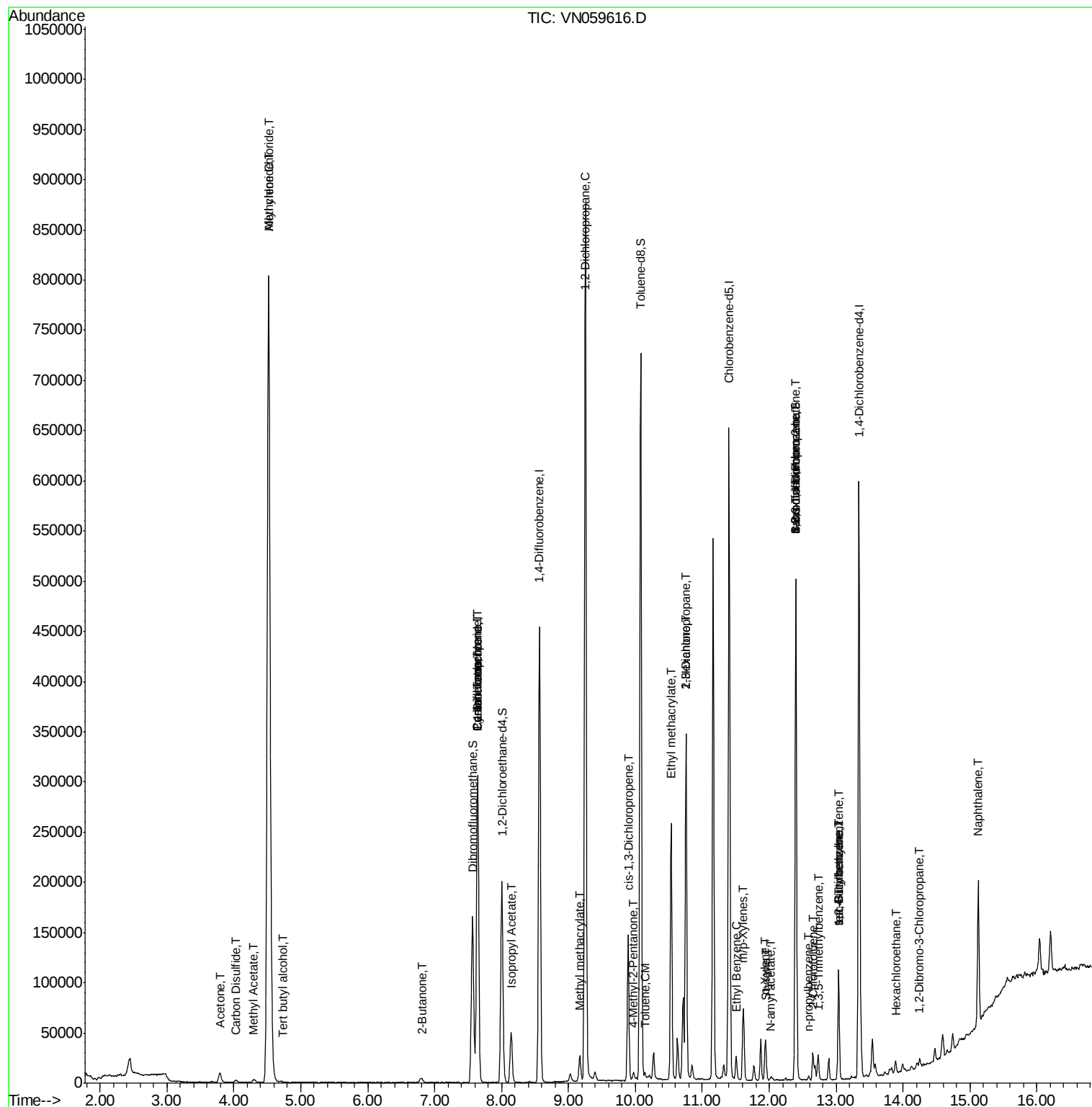
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.24	75	63	1.685	ug/l #	6
95) Naphthalene	15.12	128	112514	11.146	ug/l	99

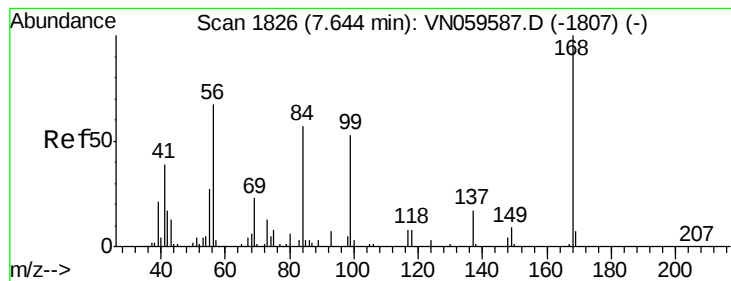
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

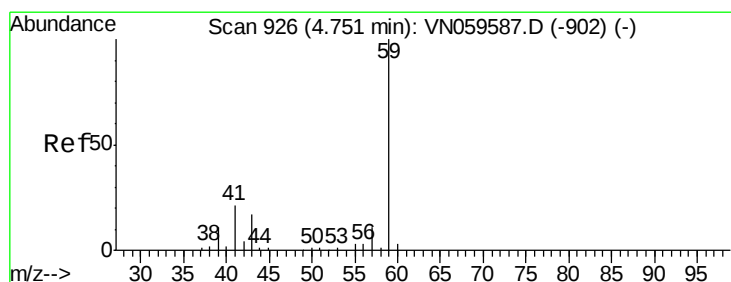
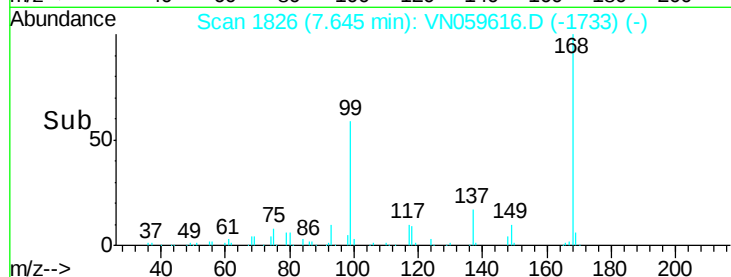
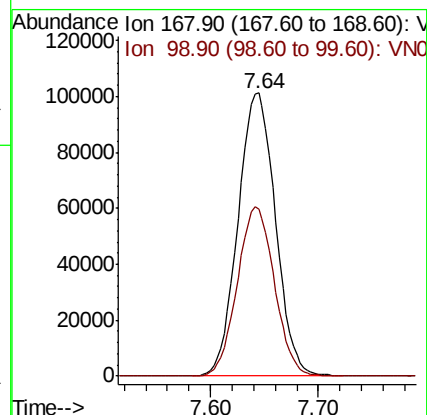
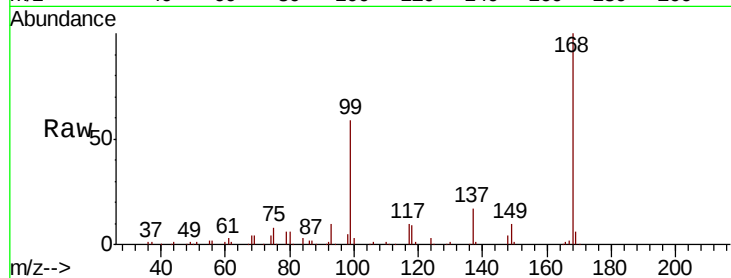
Instrument :
MSVOA_N
ClientSampled :
TH-3

Tgt Ion: 168 Resp: 244796

Ion Ratio Lower Upper

168 100

99 59.2 48.2 72.4



#11

Tert butyl alcohol

Concen: 0.536 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.02 min

Lab File: VN059616.D

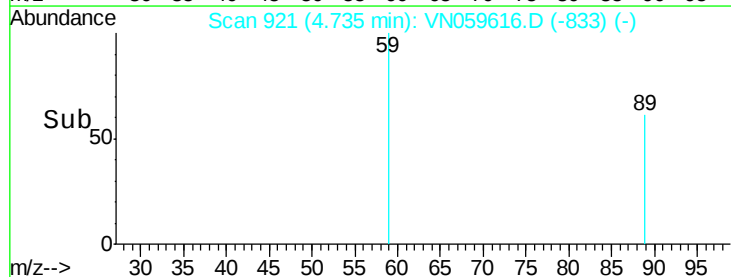
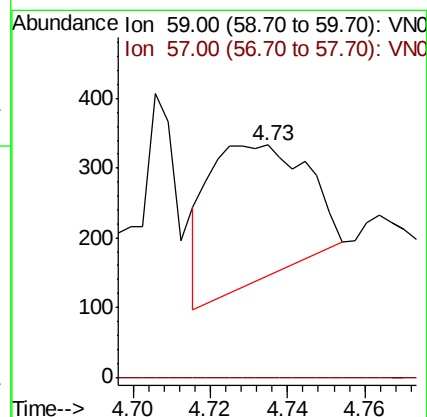
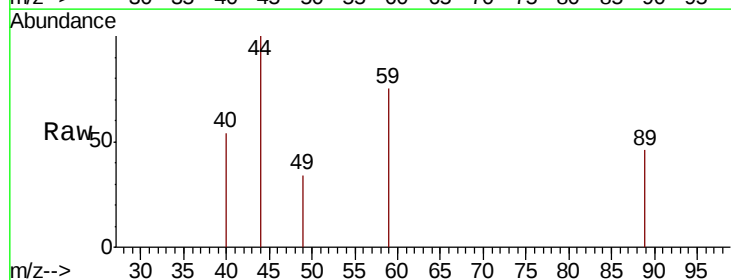
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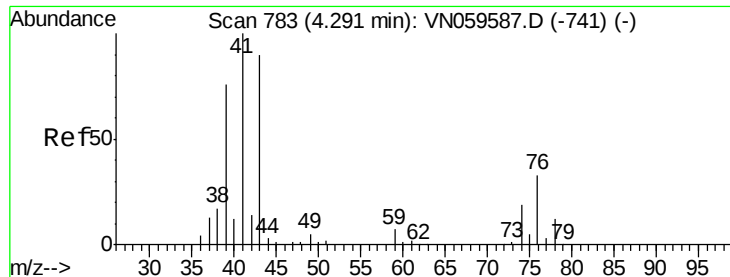
Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

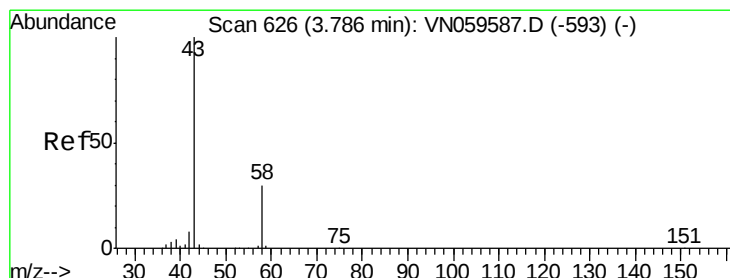
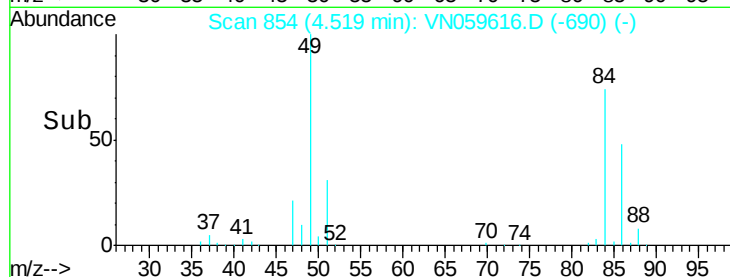
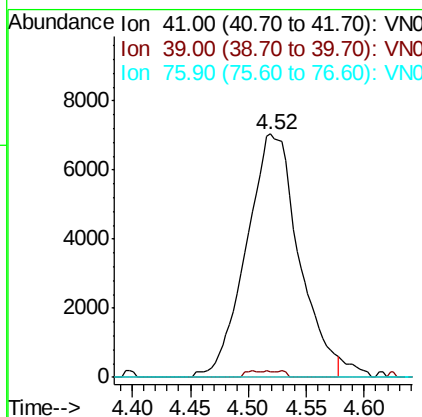
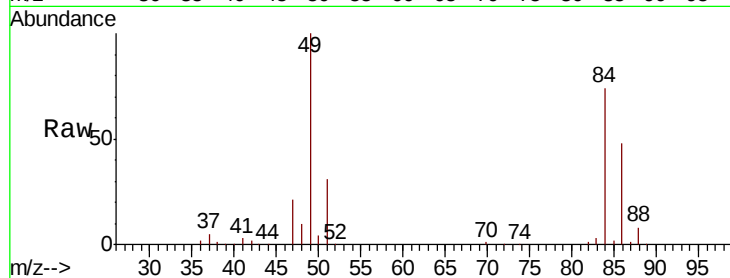




#14
 Allyl chloride
 Concen: 4.218 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. 0.23 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

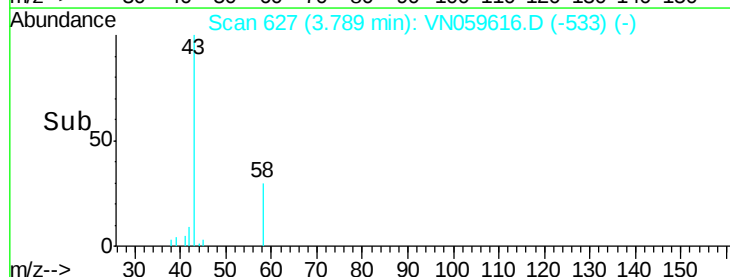
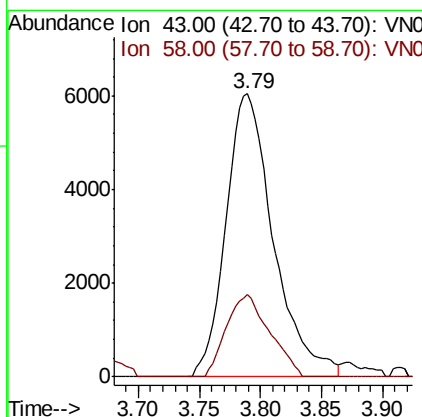
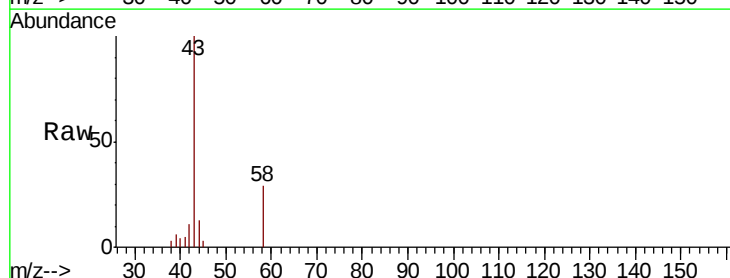
Instrument :
 MSVOA_N
 ClientSampleId :
 TH-3

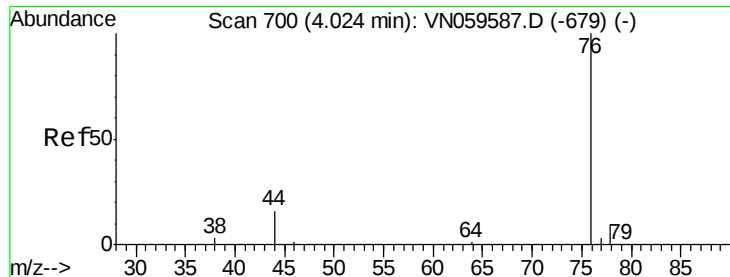
Tgt Ion: 41 Resp: 22231
 Ion Ratio Lower Upper
 41 100
 39 0.8 57.8 86.8#
 76 0.0 25.4 38.0#



#16
 Acetone
 Concen: 7.735 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

Tgt Ion: 43 Resp: 16359
 Ion Ratio Lower Upper
 43 100
 58 29.0 23.6 35.4

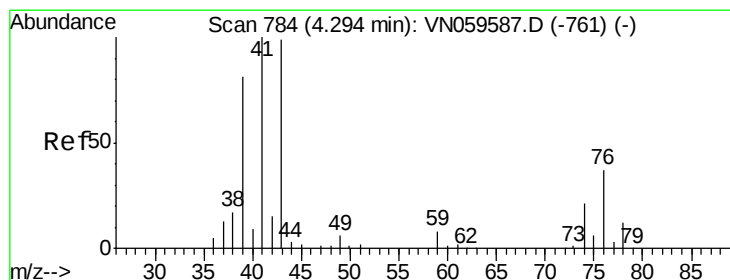
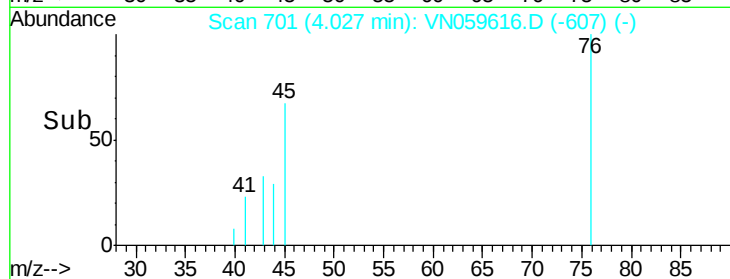
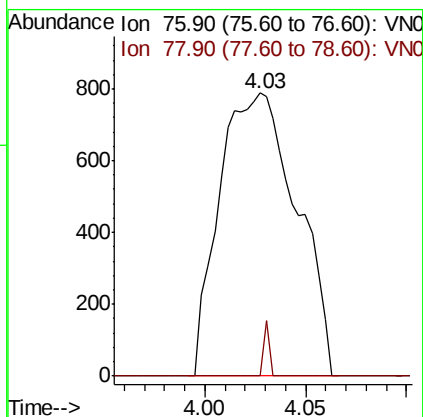
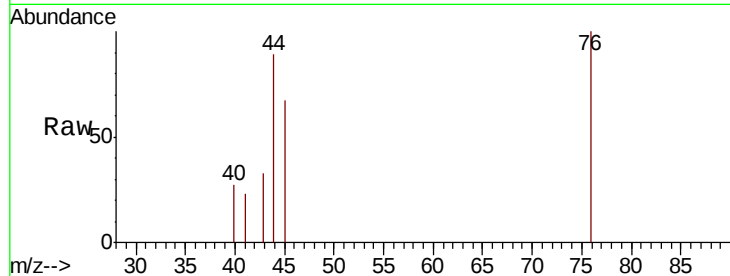




#17
Carbon Disulfide
Concen: 2.101 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

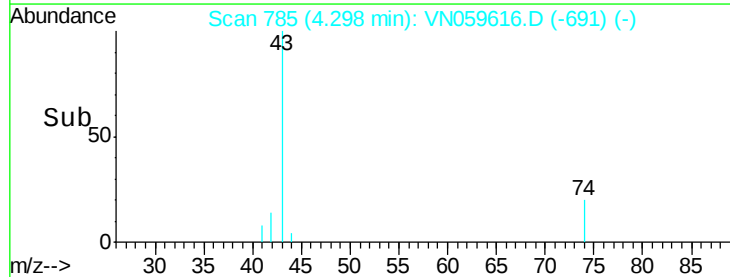
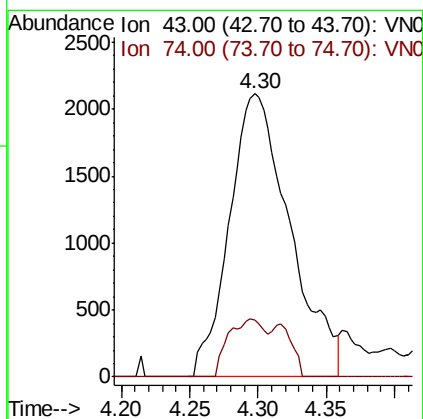
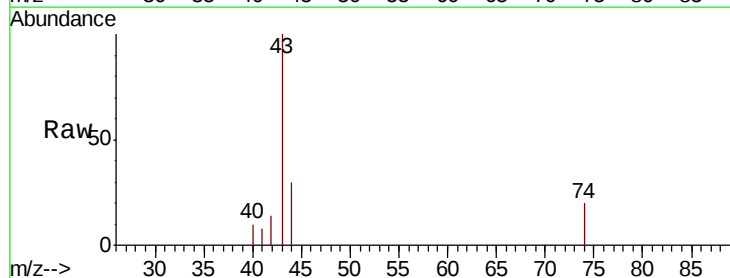
Instrument :
MSVOA_N
ClientSampled :
TH-3

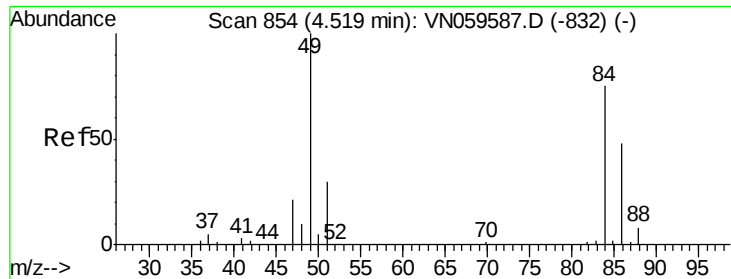
Tgt Ion: 76 Resp: 2089
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 1.474 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 43 Resp: 6533
Ion Ratio Lower Upper
43 100
74 12.3 17.5 26.3#

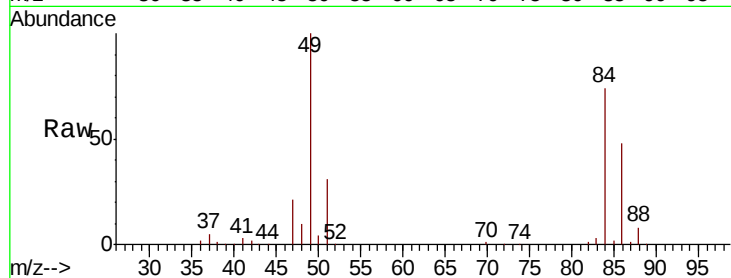




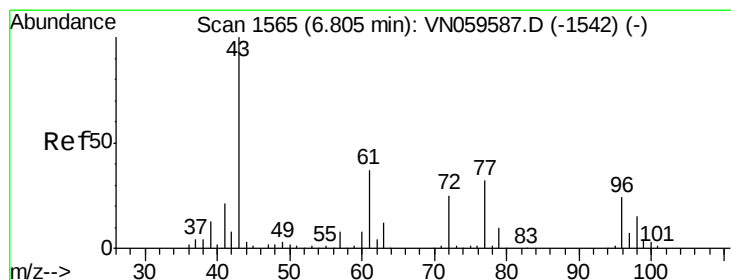
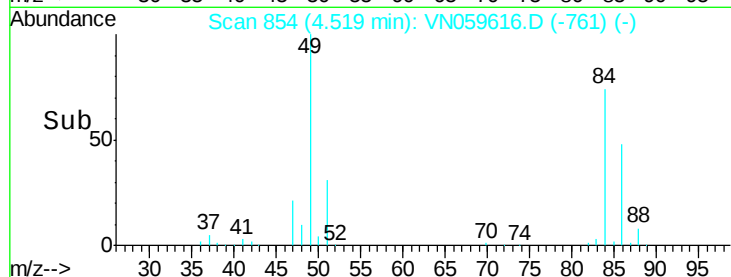
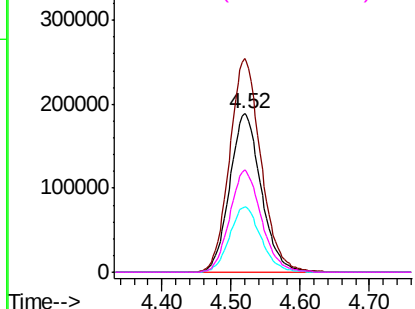
#20
Methylene Chloride
Concen: 195.925 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
TH-3

Tgt Ion: 84 Resp: 598430
Ion Ratio Lower Upper
84 100
49 134.7 106.6 160.0
51 41.3 31.9 47.9
86 64.3 50.8 76.2

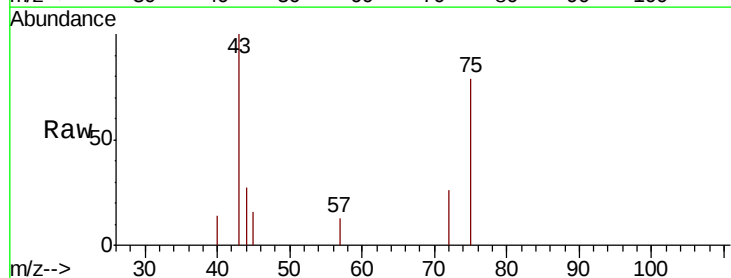


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

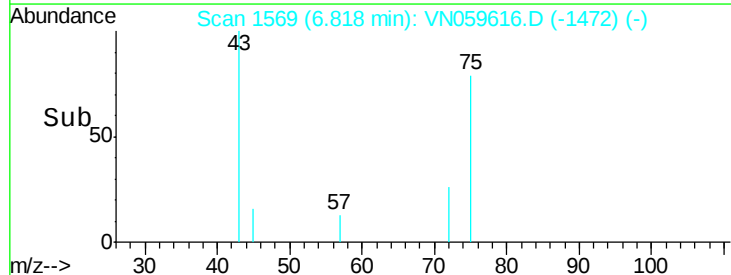
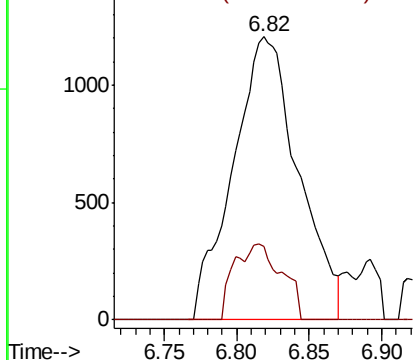


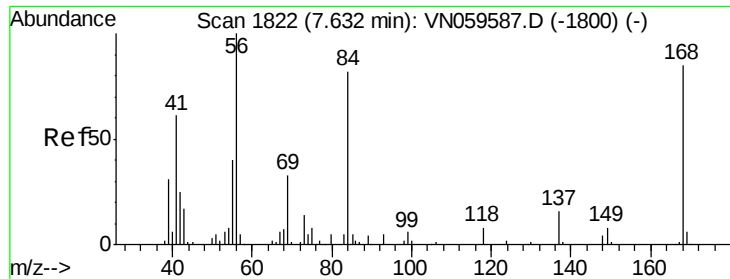
#25
2-Butanone
Concen: 1.495 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 43 Resp: 3780
Ion Ratio Lower Upper
43 100
72 26.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

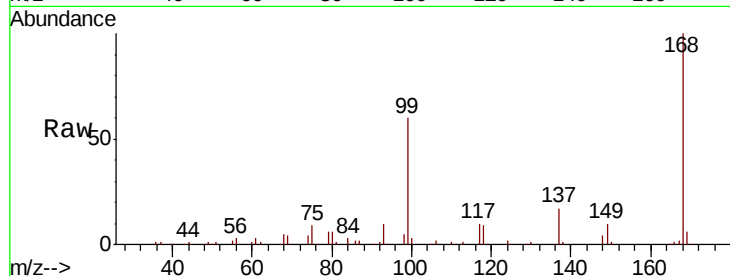




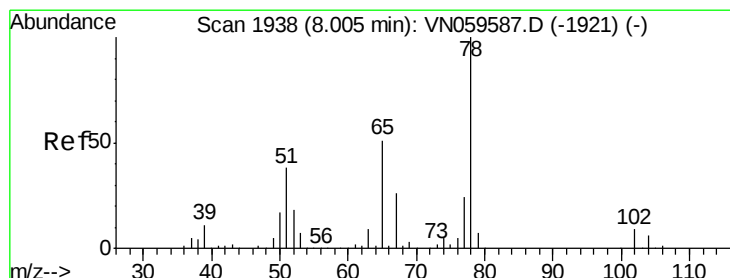
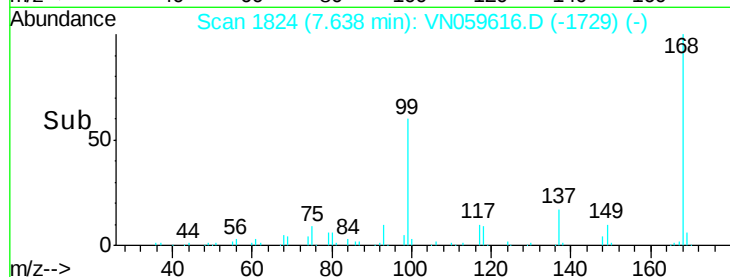
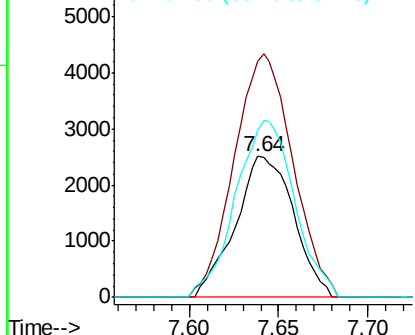
#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Instrument :
MSVOA_N
ClientSampled :
TH-3

Tgt Ion: 56 Resp: 5731
Ion Ratio Lower Upper
56 100
69 167.5 26.5 39.7#
84 118.8 65.3 97.9#

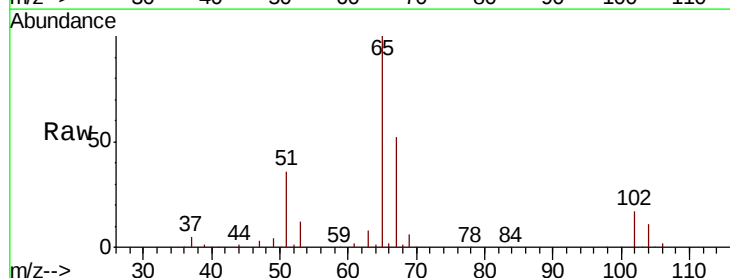


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

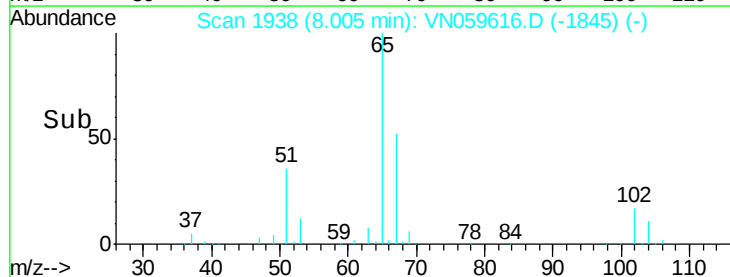
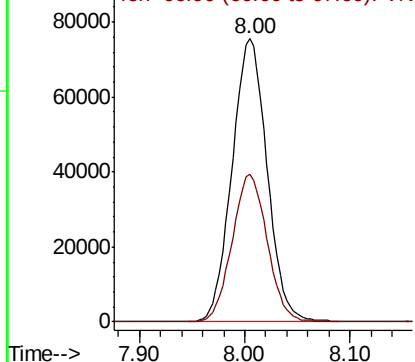


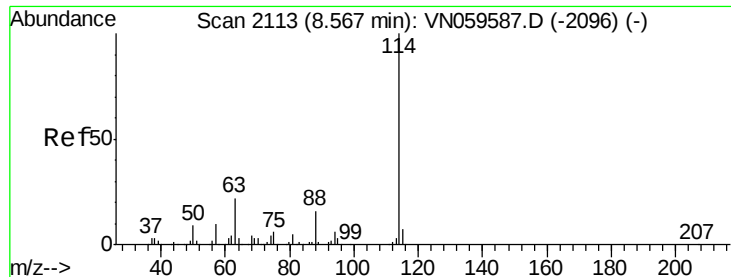
#33
1,2-Dichloroethane-d4
Concen: 48.910 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 65 Resp: 174225
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

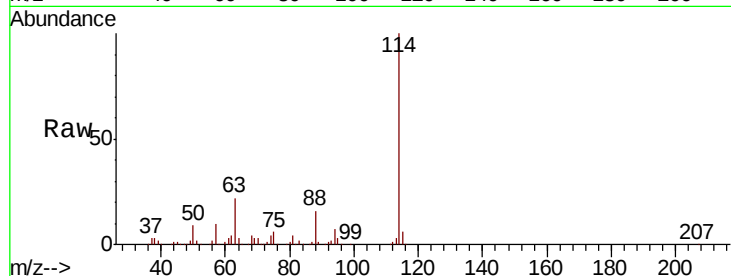




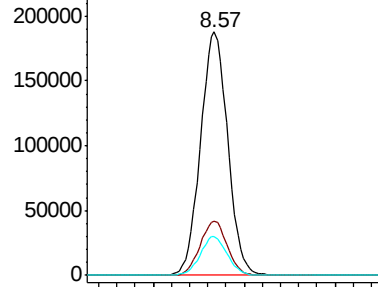
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 TH-3

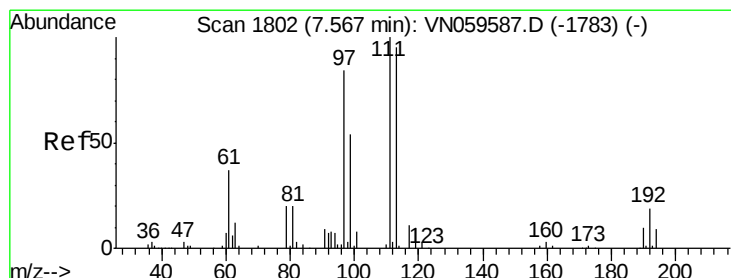
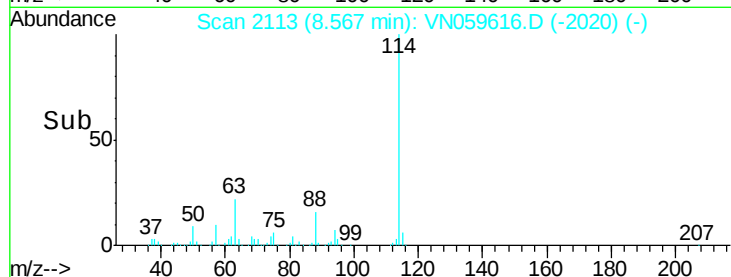
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.6
88	15.7	0.0	31.4



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

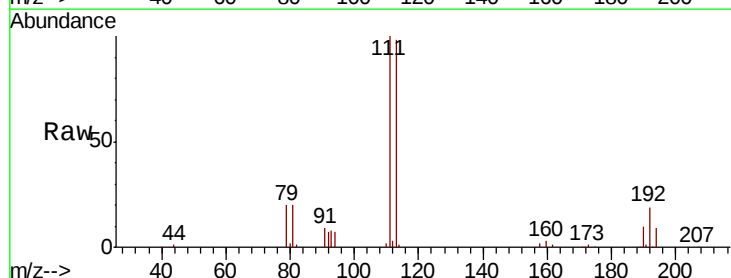


Time-->

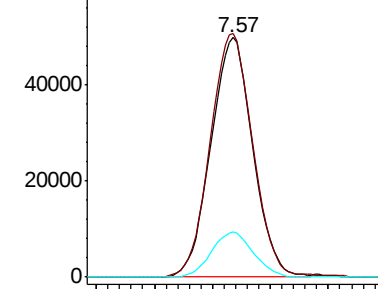


#35
 Dibromofluoromethane
 Concen: 51.144 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

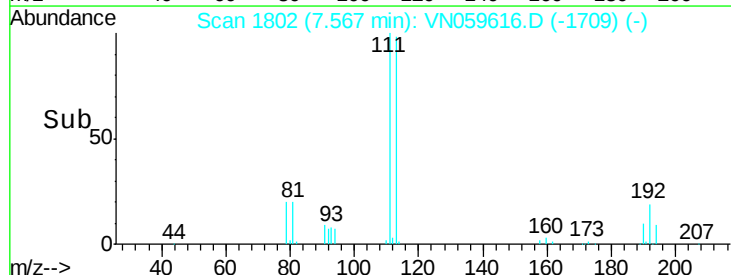
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.5	125.3
192	18.9	15.4	23.2

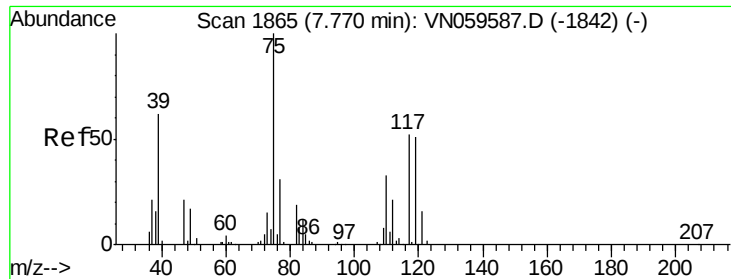


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

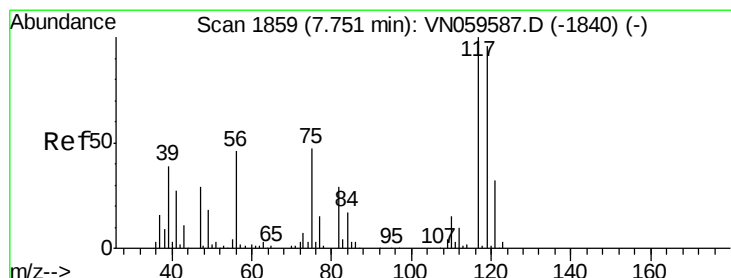
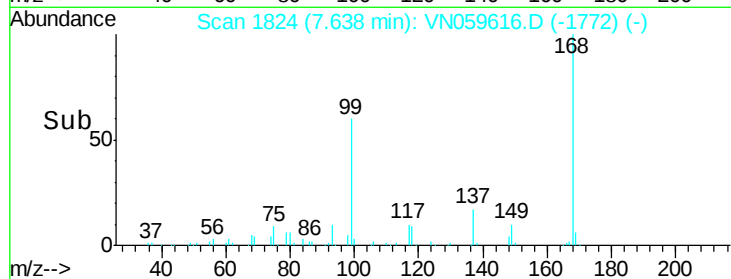
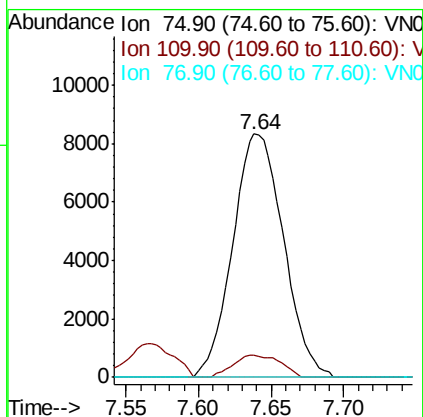
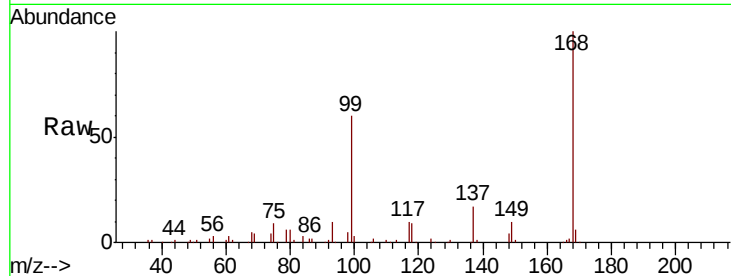




#36
 1,1-Dichloropropene
 Concen: 4.973 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

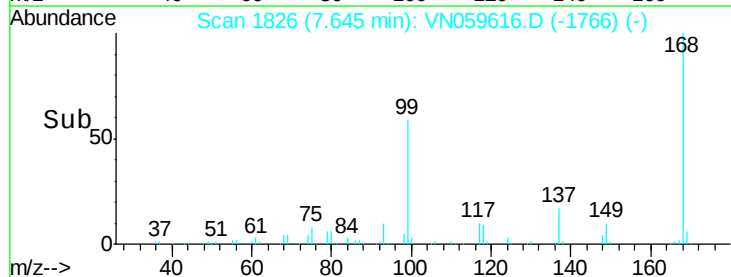
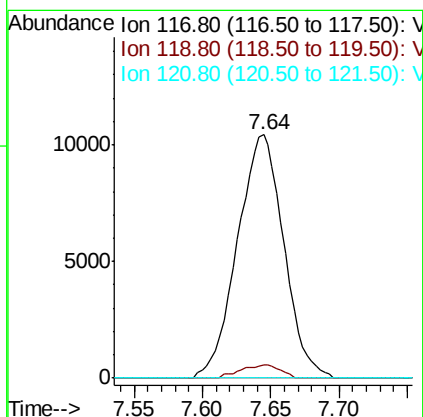
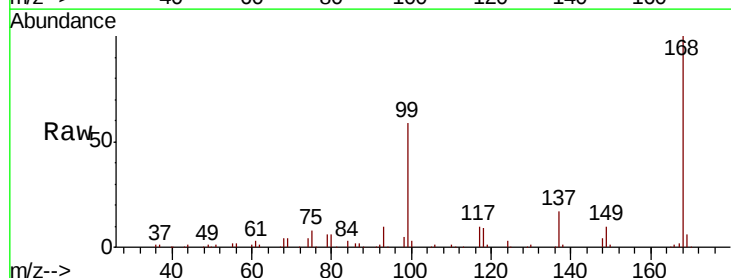
Instrument :
 MSVOA_N
 ClientSampled :
 TH-3

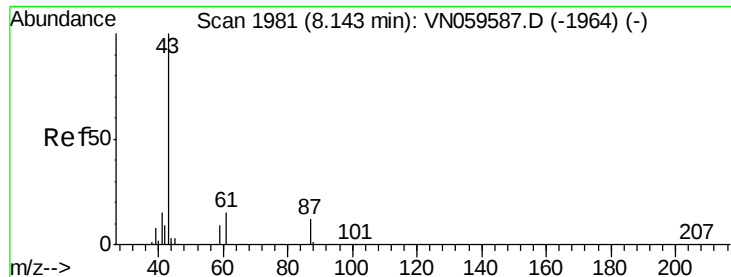
Tgt Ion: 75 Resp: 20259
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.820 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

Tgt Ion: 117 Resp: 24603
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.5 114.7#
 121 0.0 25.1 37.7#

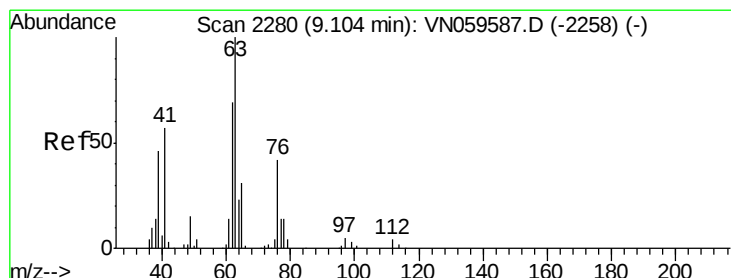
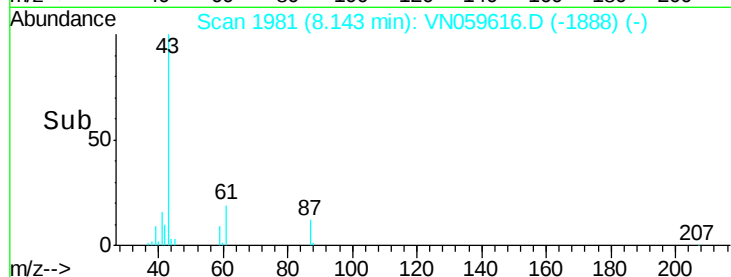
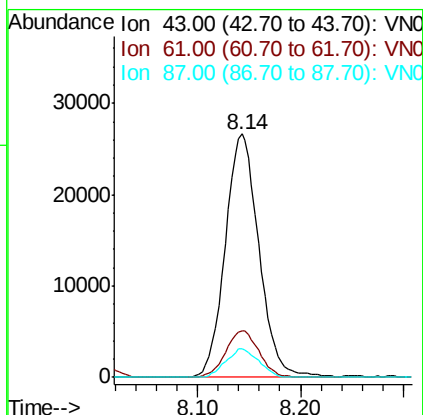
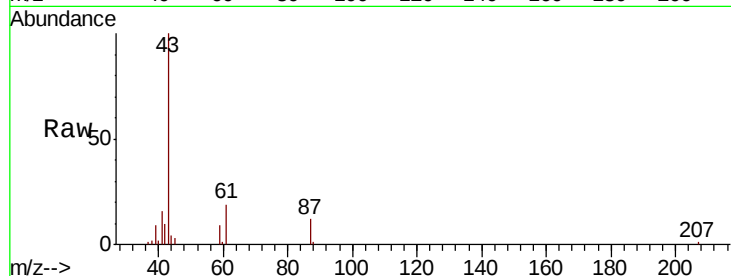




#43
Isopropyl Acetate
Concen: 8.226 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

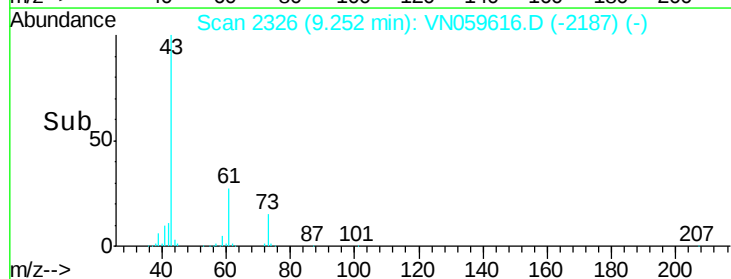
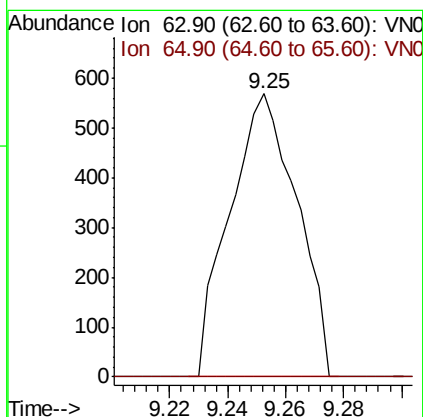
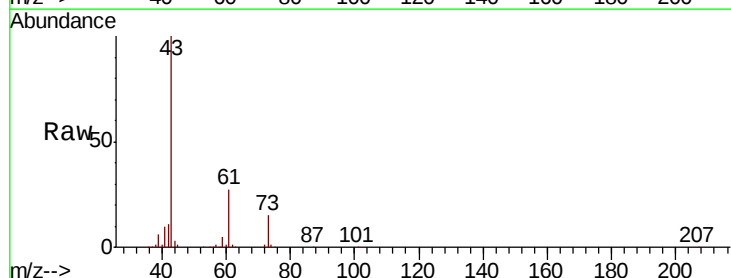
Instrument :
MSVOA_N
ClientSampleId :
TH-3

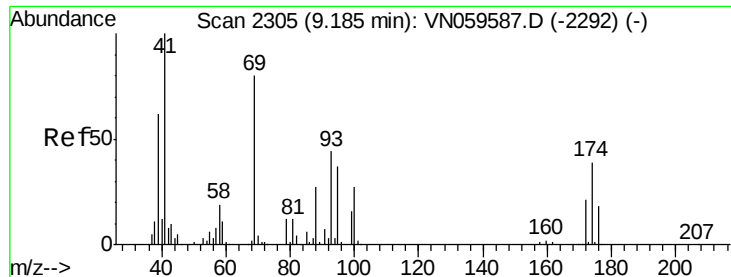
Tgt Ion: 43 Resp: 60557
Ion Ratio Lower Upper
43 100
61 18.8 20.2 30.2#
87 11.3 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.285 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.15 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 63 Resp: 915
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

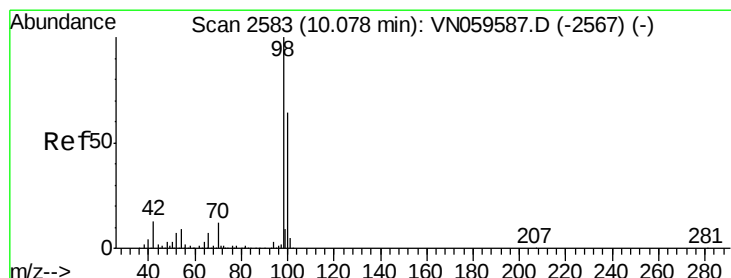
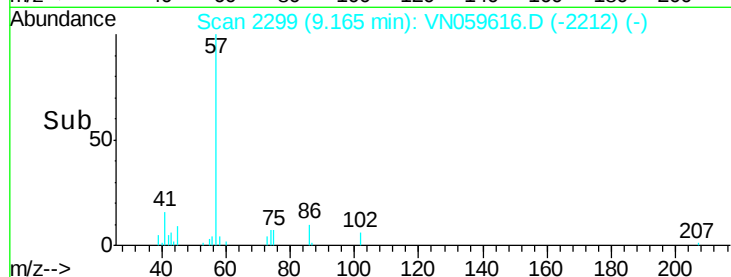
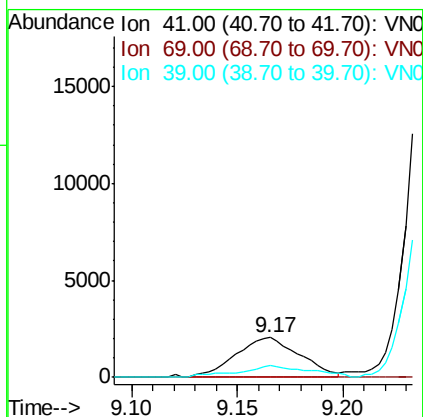
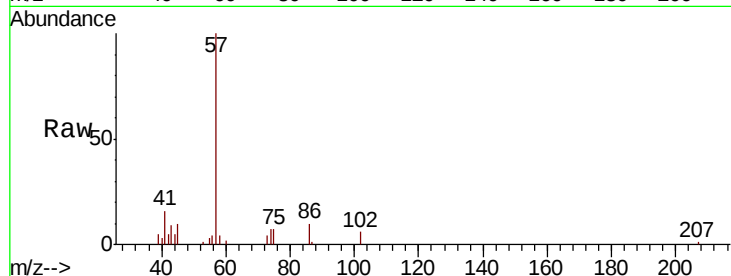




#48
Methyl methacrylate
Concen: 1.308 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

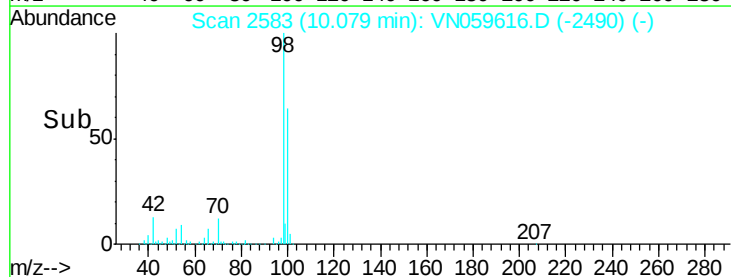
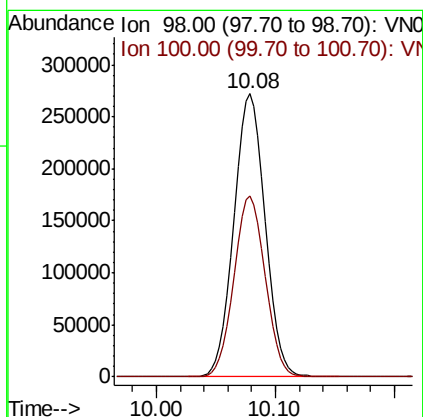
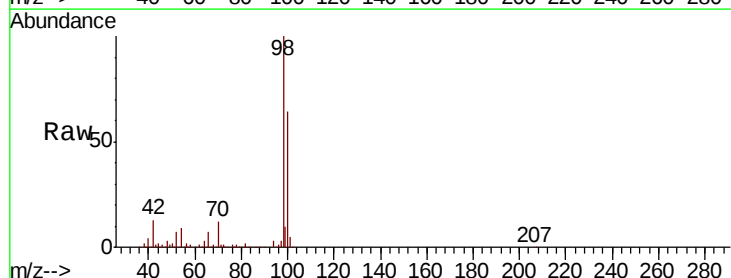
Instrument :
MSVOA_N
ClientSampleId :
TH-3

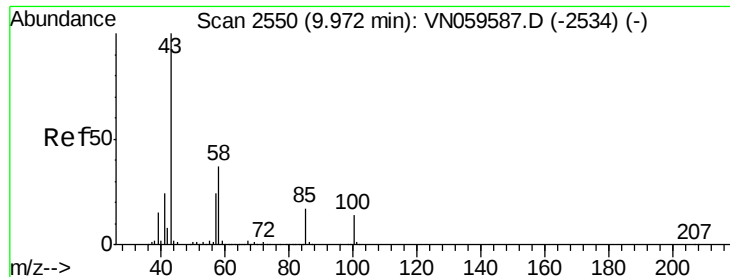
Tgt Ion: 41 Resp: 4369
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.290 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 98 Resp: 496355
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8

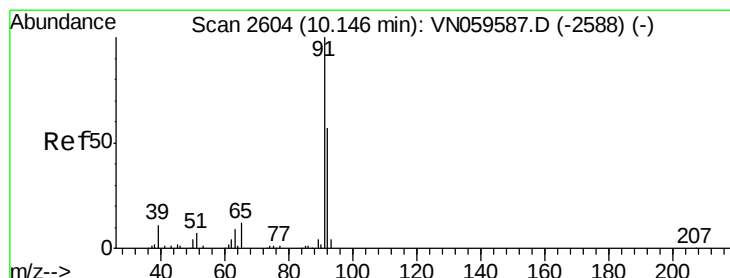
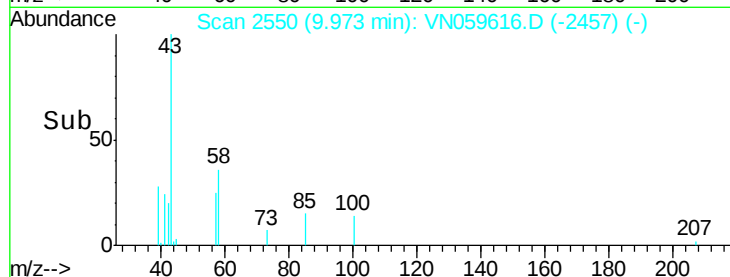
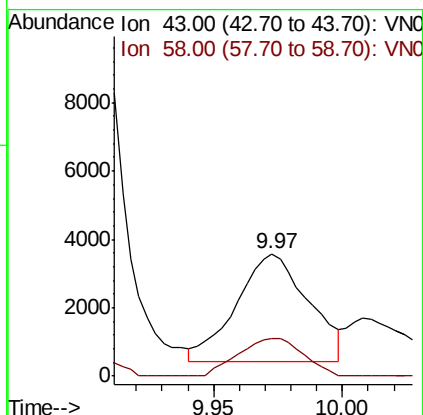
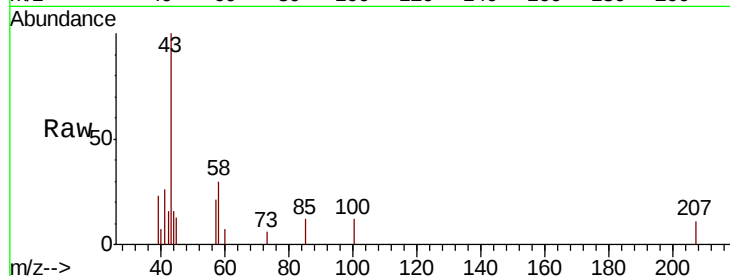




#51
 4-Methyl-2-Pentanone
 Concen: 1.390 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

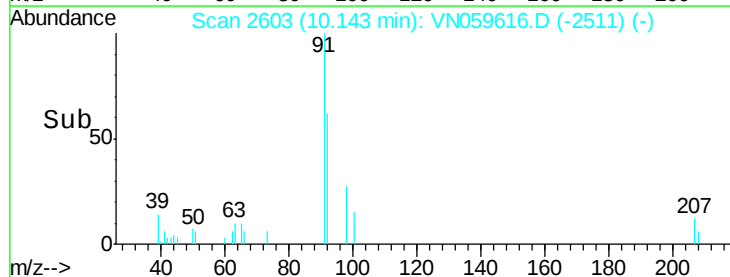
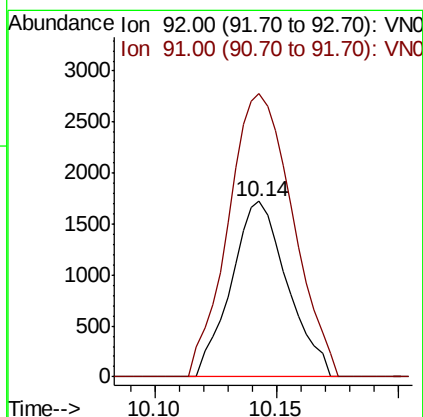
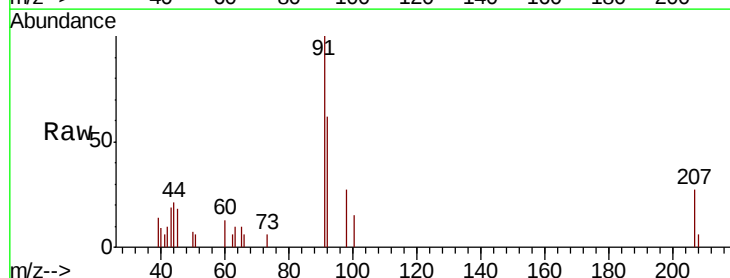
Instrument :
 MSVOA_N
 ClientSampleId :
 TH-3

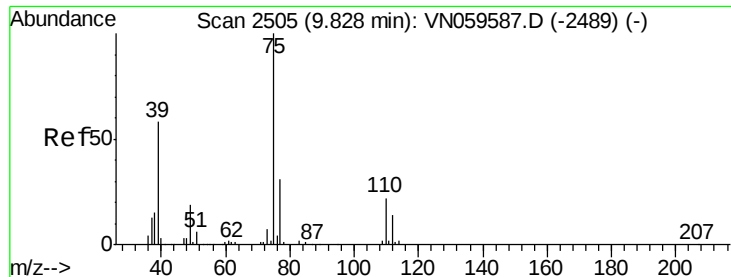
Tgt Ion: 43 Resp: 6099
 Ion Ratio Lower Upper
 43 100
 58 31.6 29.8 44.8



#52
 Toluene
 Concen: 0.376 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

Tgt Ion: 92 Resp: 2750
 Ion Ratio Lower Upper
 92 100
 91 185.1 140.4 210.6





#54

cis-1,3-Dichloropropene

Concen: 4.772 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.06 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

TH-3

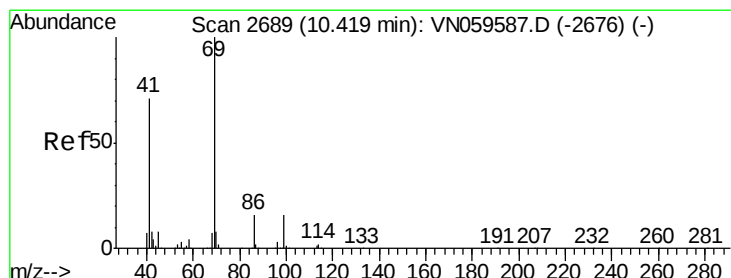
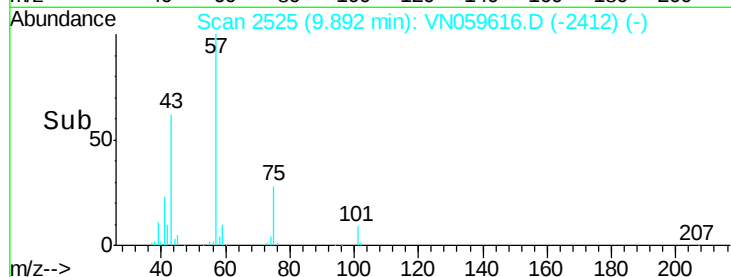
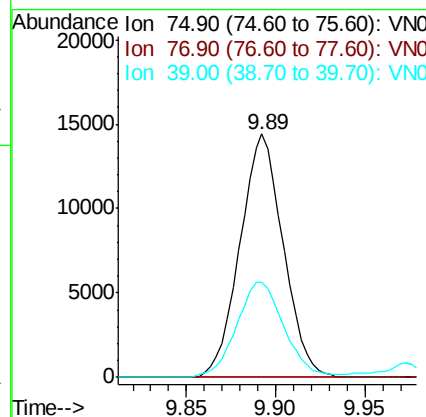
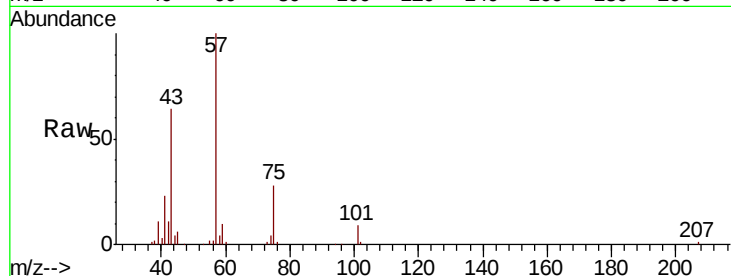
Tgt Ion: 75 Resp: 24362

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 39.3 46.1 69.1#



#56

Ethyl methacrylate

Concen: 0.209 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

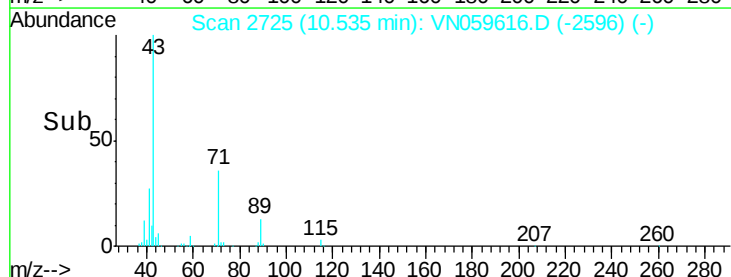
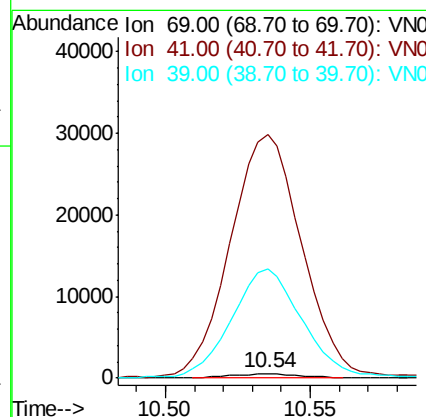
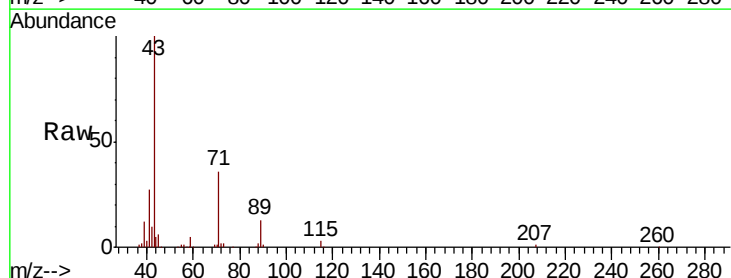
Tgt Ion: 69 Resp: 892

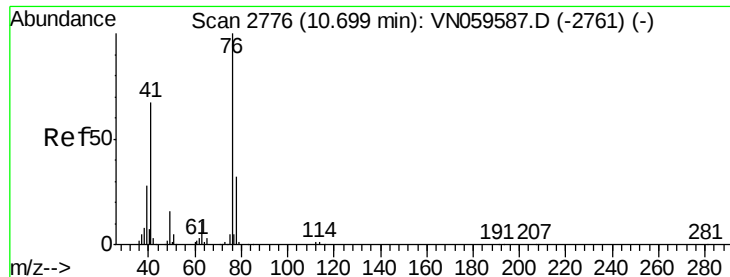
Ion Ratio Lower Upper

69 100

41 5777.1 57.1 85.7#

39 2578.4 34.7 52.1#





#57

1,3-Dichloropropane

Concen: 0.731 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

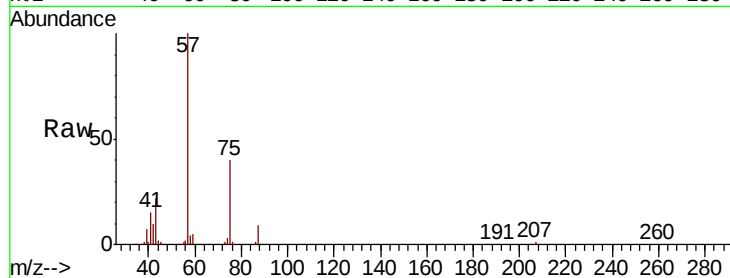
TH-3

Tgt Ion: 76 Resp: 3654

Ion Ratio Lower Upper

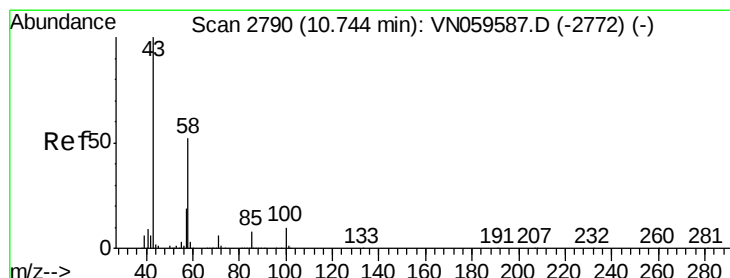
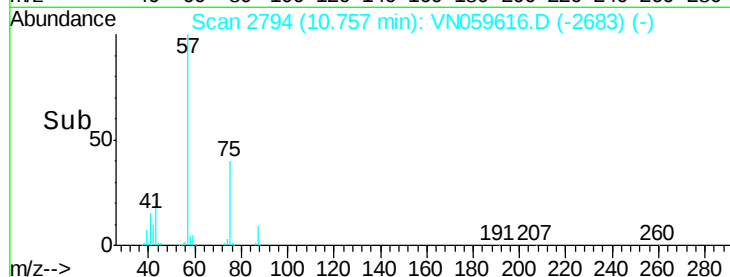
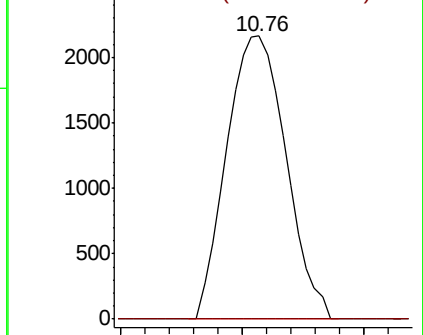
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 15.179 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN059616.D

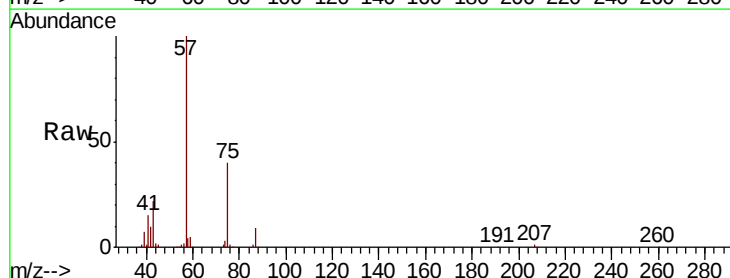
Acq: 16 Dec 2019 20:19

Tgt Ion: 43 Resp: 52510

Ion Ratio Lower Upper

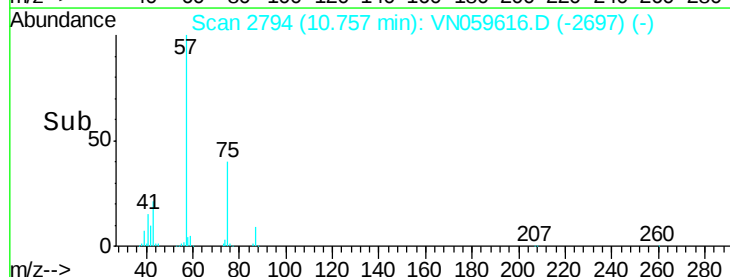
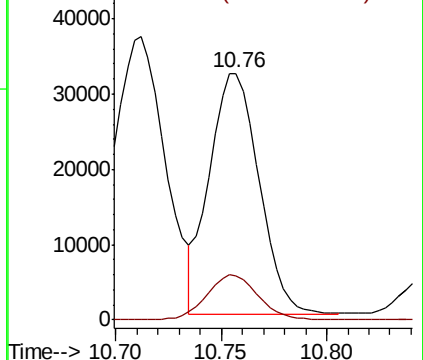
43 100

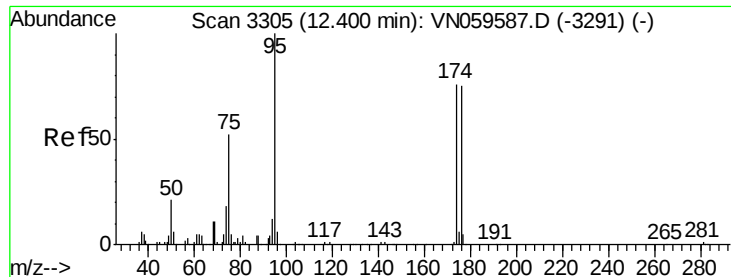
58 19.3 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.051 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampled :

TH-3

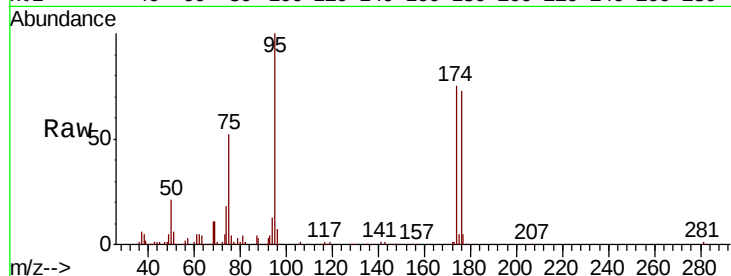
Tgt Ion: 95 Resp: 169677

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

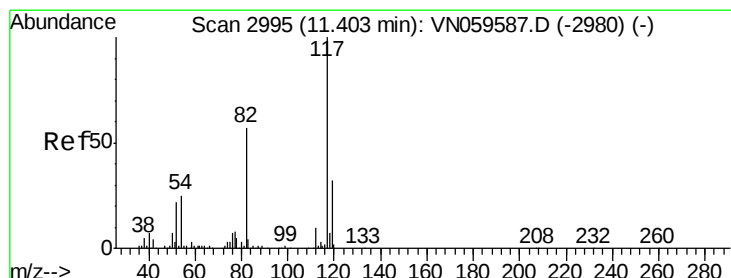
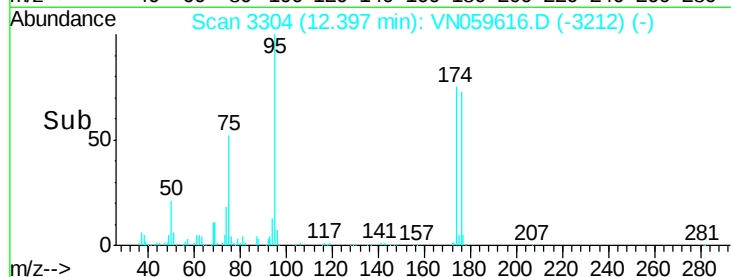
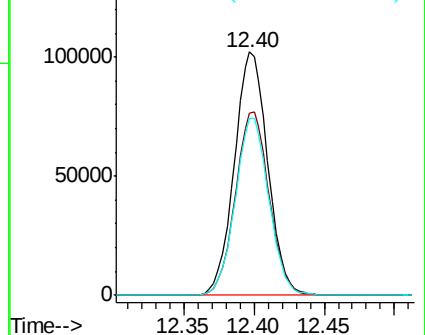
176 73.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059587.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059587.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059587.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

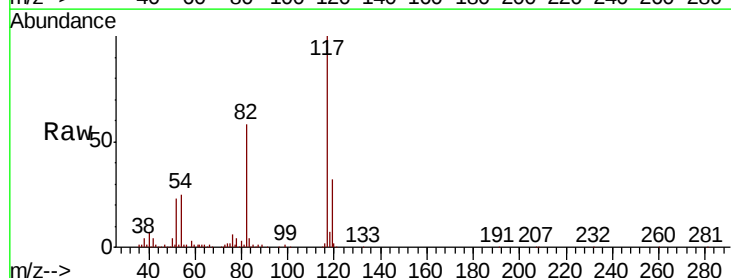
Tgt Ion: 117 Resp: 361467

Ion Ratio Lower Upper

117 100

82 57.8 45.9 68.9

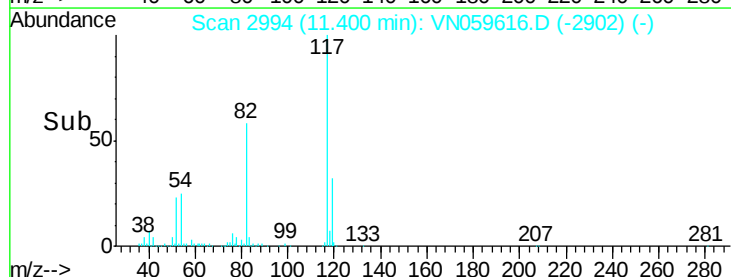
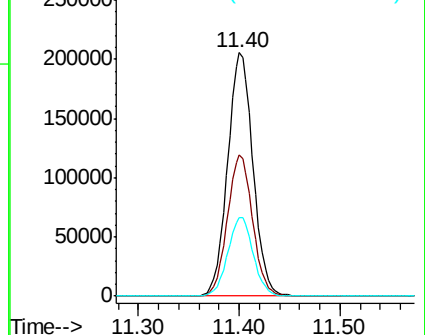
119 32.5 25.5 38.3

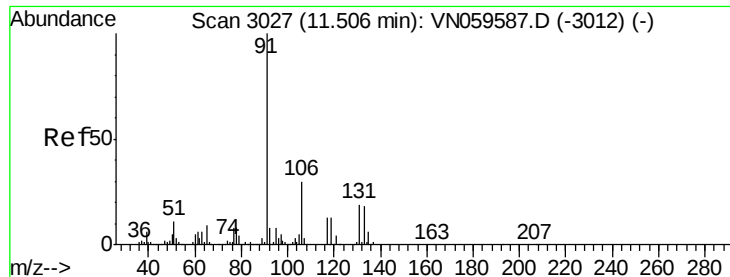


Abundance Ion 116.90 (116.60 to 117.60): VN059587.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059587.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059587.D (-2980) (-)

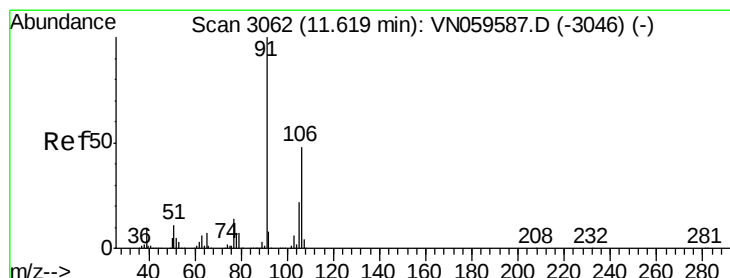
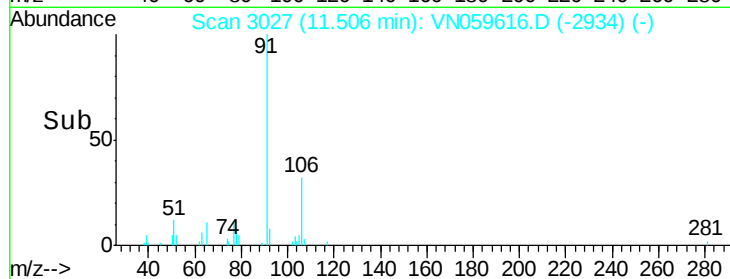
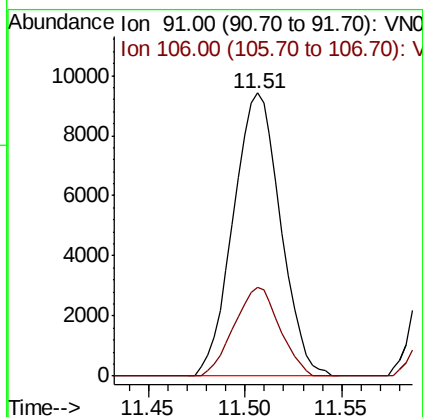
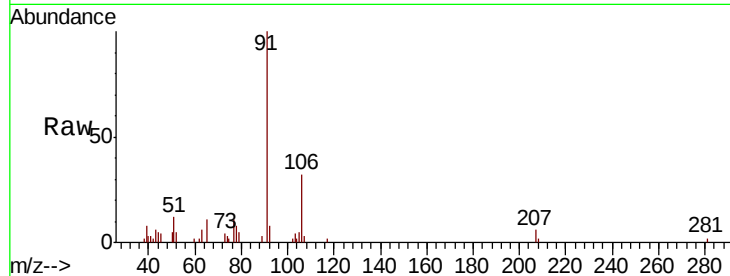




#67
Ethyl Benzene
Concen: 1.133 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

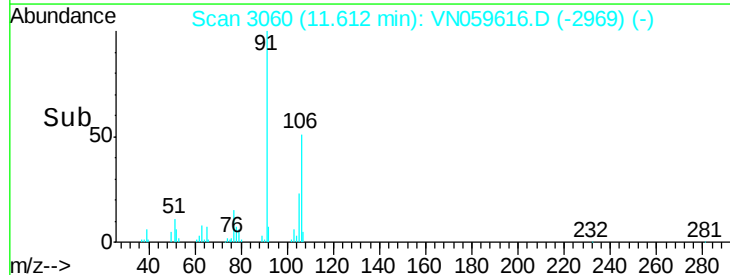
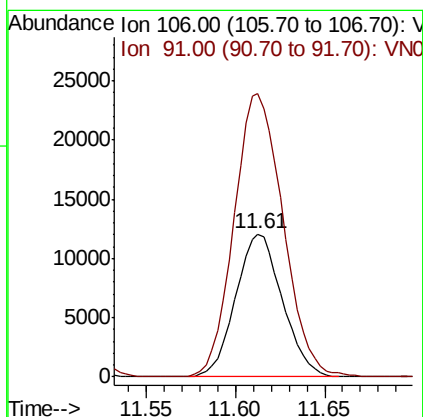
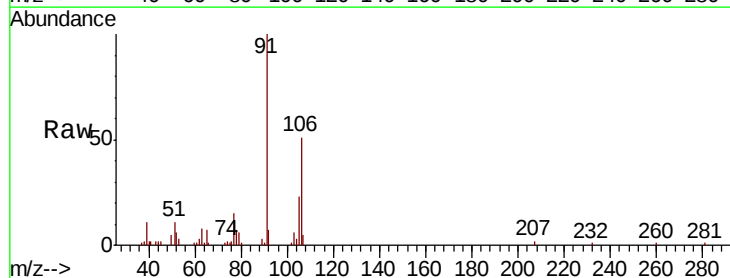
Instrument :
MSVOA_N
ClientSampled :
TH-3

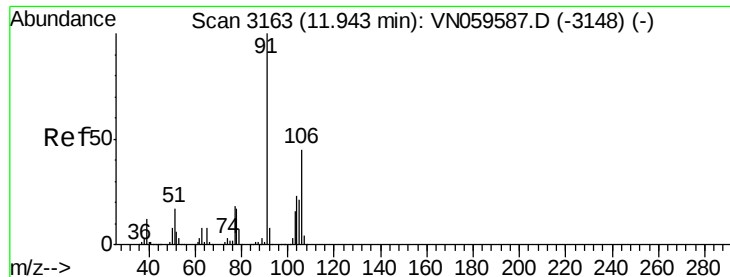
Tgt Ion: 91 Resp: 15992
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



#68
m/p-Xylenes
Concen: 4.219 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion: 106 Resp: 21992
Ion Ratio Lower Upper
106 100
91 209.0 167.9 251.9

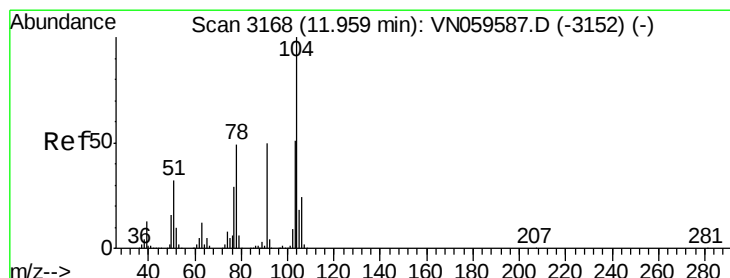
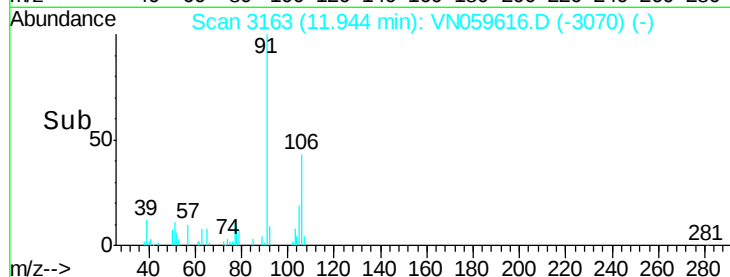
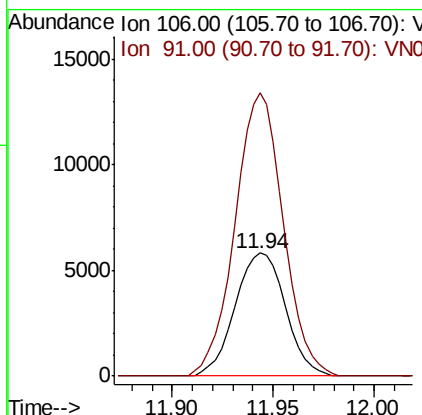
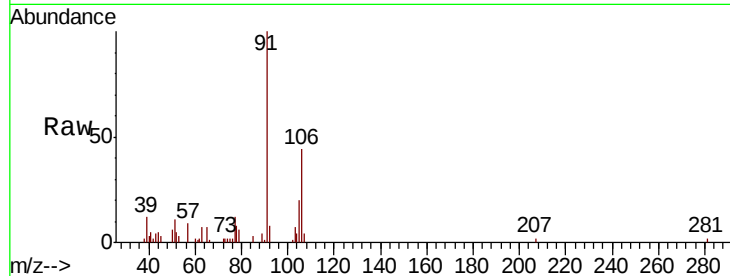




#69
o-Xylene
Concen: 2.061 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

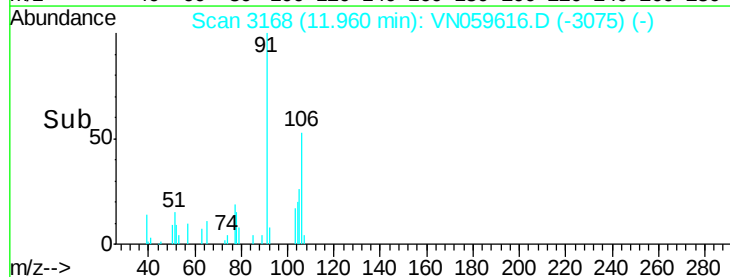
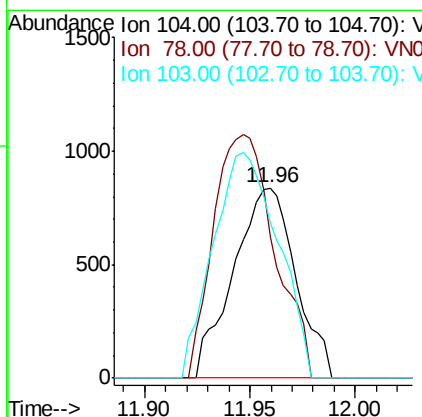
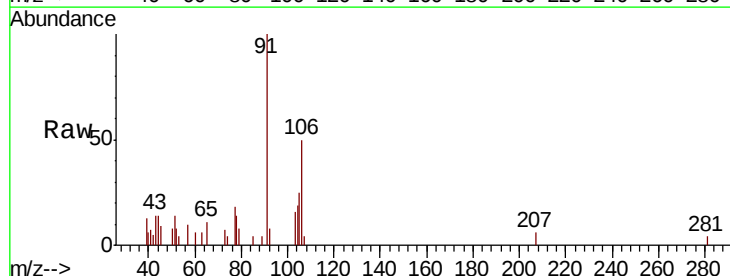
Instrument :
MSVOA_N
ClientSampled :
TH-3

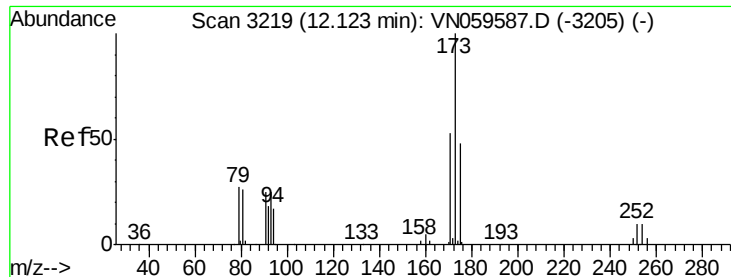
Tgt Ion:106 Resp: 10221
Ion Ratio Lower Upper
106 100
91 219.2 110.3 330.9



#70
Styrene
Concen: 0.216 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059616.D
Acq: 16 Dec 2019 20:19

Tgt Ion:104 Resp: 1718
Ion Ratio Lower Upper
104 100
78 125.5 42.4 63.6#
103 123.7 43.9 65.9#





#71

Bromoform

Concen: 0.503 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampled :

TH-3

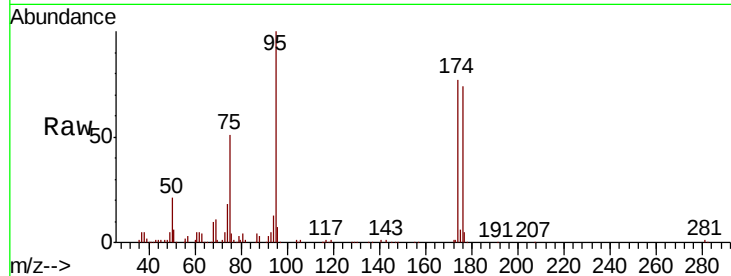
Tgt Ion:173 Resp: 1124

Ion Ratio Lower Upper

173 100

175 745.0 23.8 71.4#

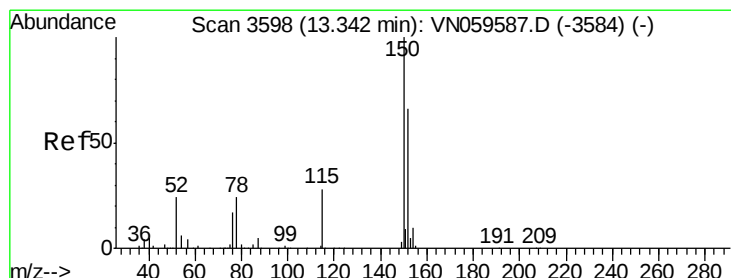
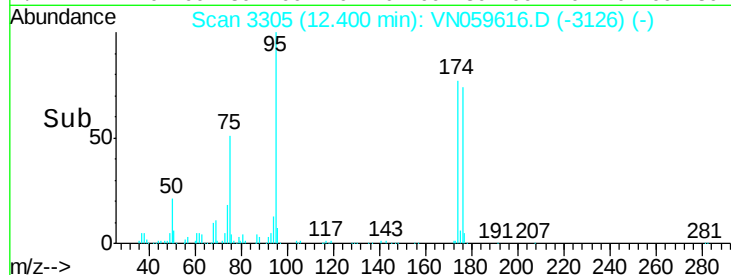
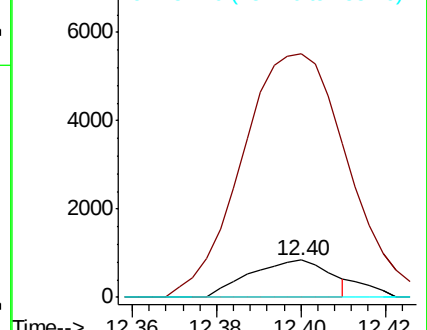
254 0.0 0.0 0.0



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: VN059616.D

Acq: 16 Dec 2019 20:19

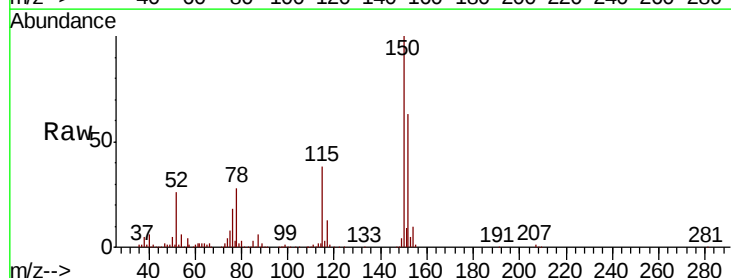
Tgt Ion:152 Resp: 149577

Ion Ratio Lower Upper

152 100

115 61.7 30.3 90.9

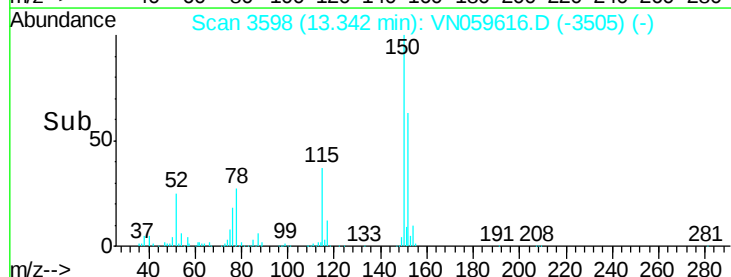
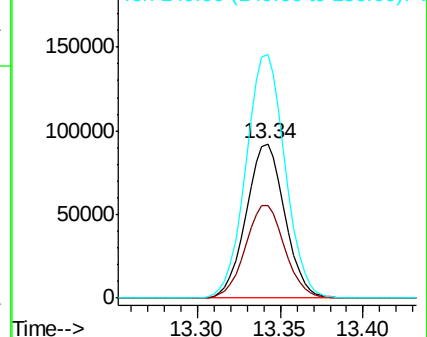
150 159.7 0.0 345.2

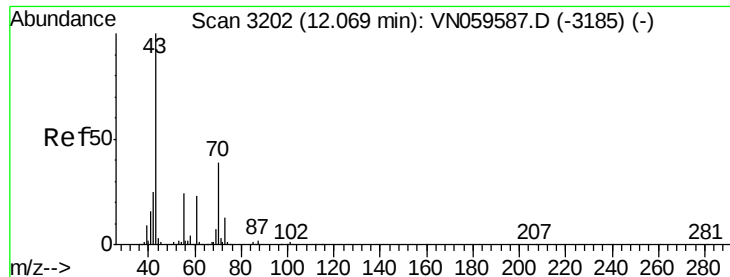


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.578 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

TH-3

Tgt Ion: 43 Resp: 3115

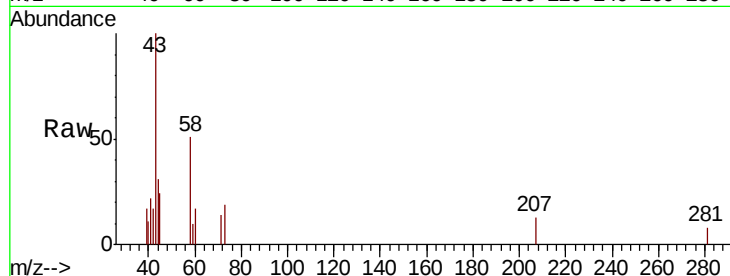
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#



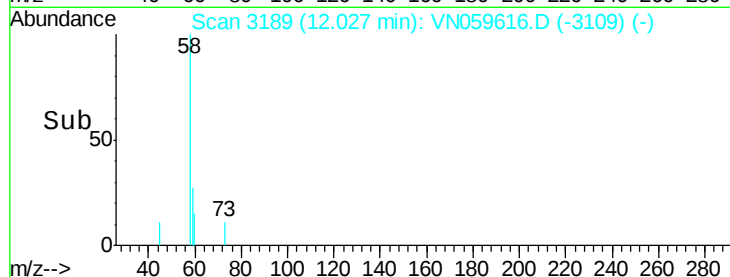
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

Time--> 11.95 12.00 12.05



Abundance

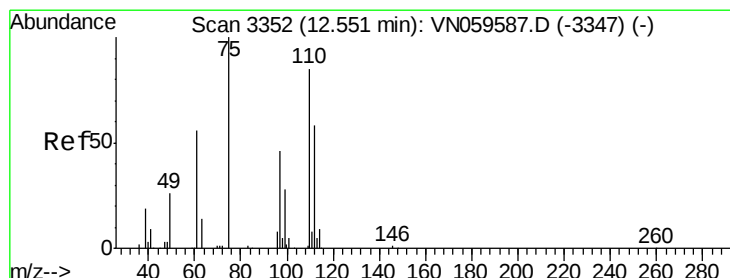
Ion 43.00 (42.70 to 43.70): VN0

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

Time--> 11.95 12.00 12.05



#76

1,2,3-Trichloropropane

Concen: 24.272 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059616.D

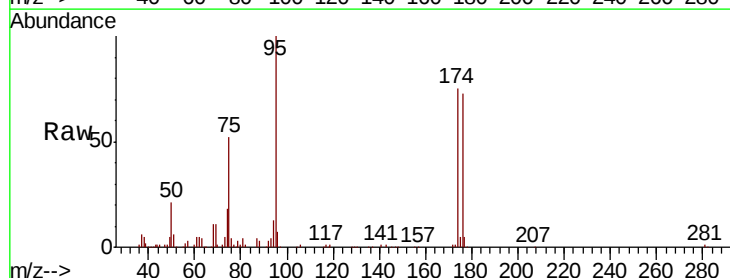
Acq: 16 Dec 2019 20:19

Tgt Ion: 75 Resp: 89876

Ion Ratio Lower Upper

75 100

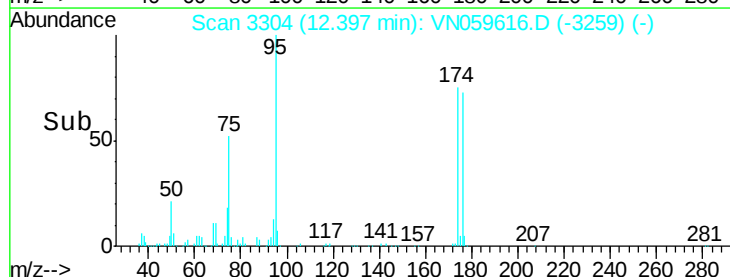
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time--> 12.35 12.40 12.45

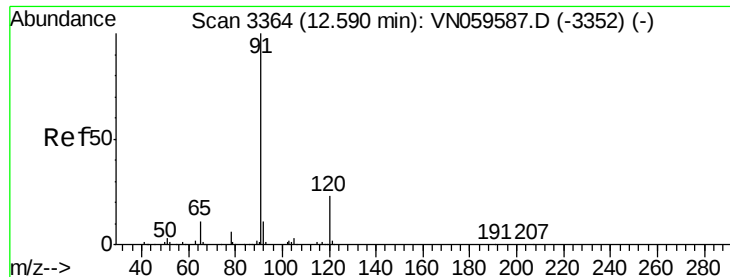


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time--> 12.35 12.40 12.45



#78

n-propylbenzene

Concen: 0.269 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

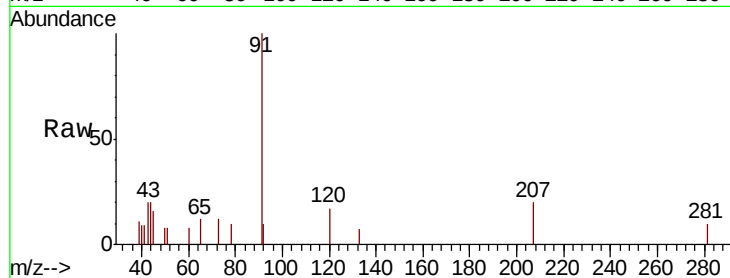
TH-3

Tgt Ion: 91 Resp: 3730

Ion Ratio Lower Upper

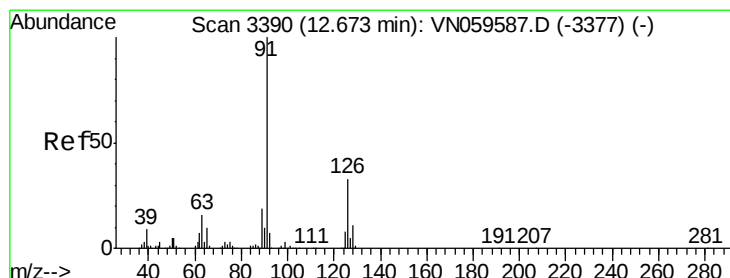
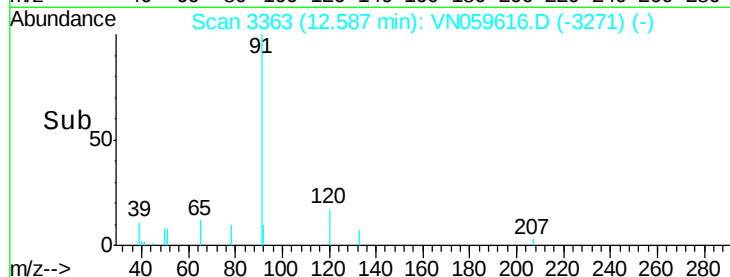
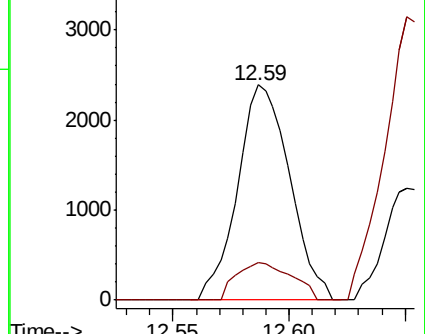
91 100

120 18.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.251 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VN059616.D

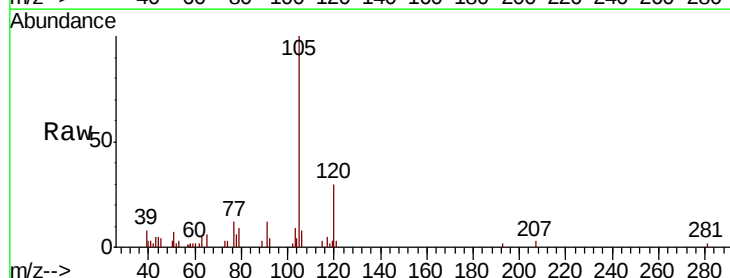
Acq: 16 Dec 2019 20:19

Tgt Ion: 91 Resp: 2105

Ion Ratio Lower Upper

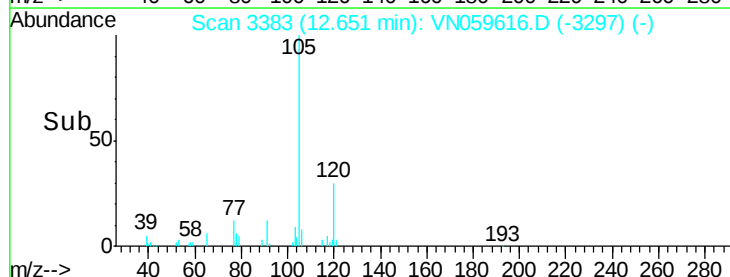
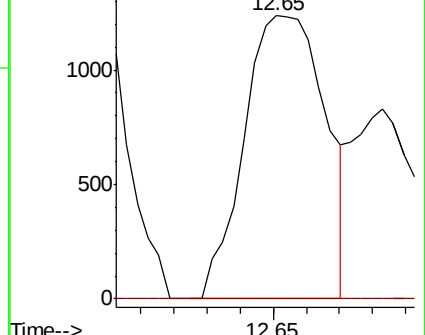
91 100

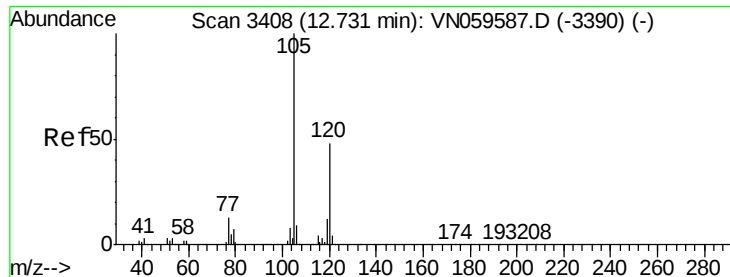
126 0.0 16.3 48.9#



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: 1.371 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampled :

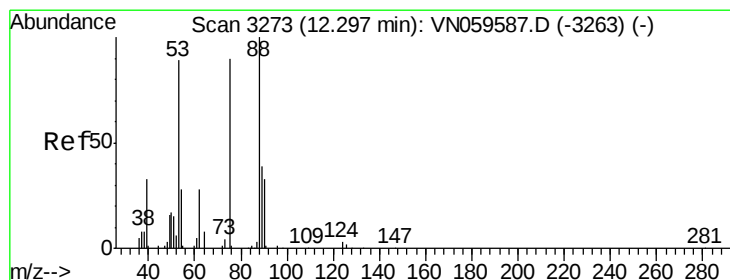
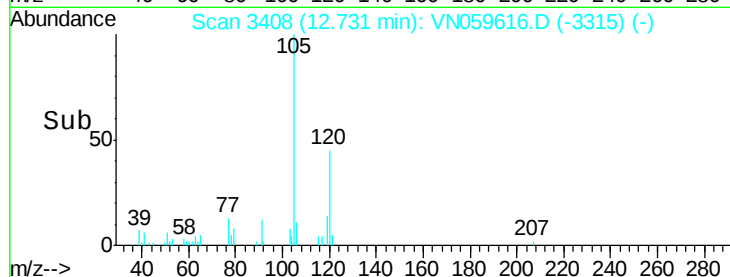
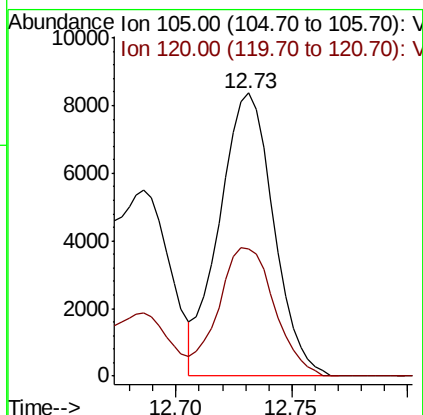
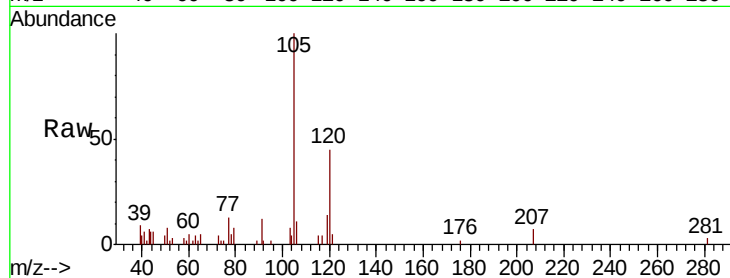
TH-3

Tgt Ion:105 Resp: 13626

Ion Ratio Lower Upper

105 100

120 46.6 24.1 72.4



#81

trans-1,4-Dichloro-2-butene

Concen: 59.949 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

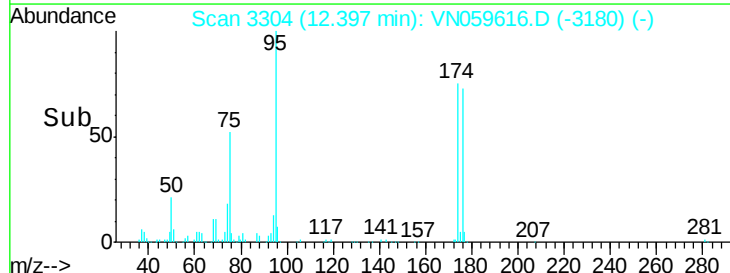
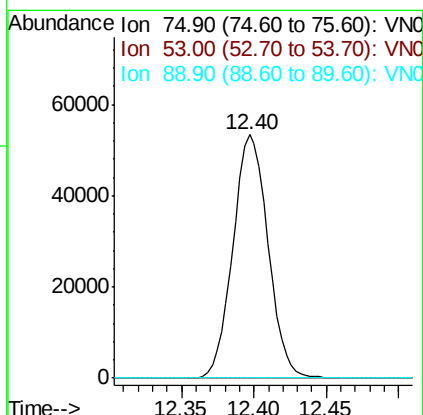
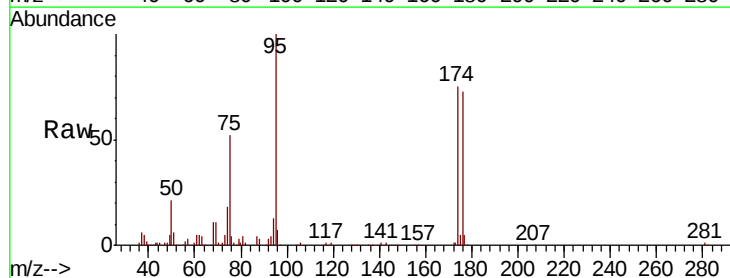
Tgt Ion: 75 Resp: 89876

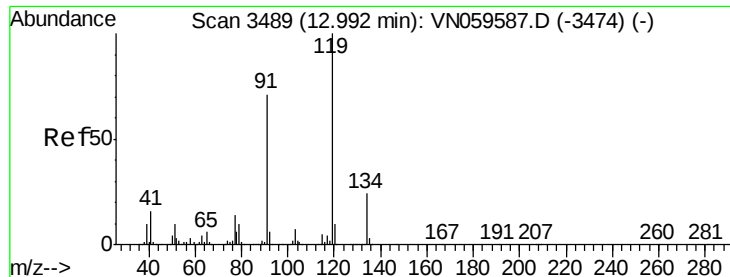
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#

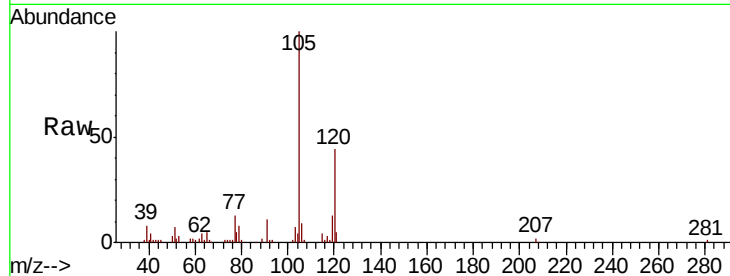




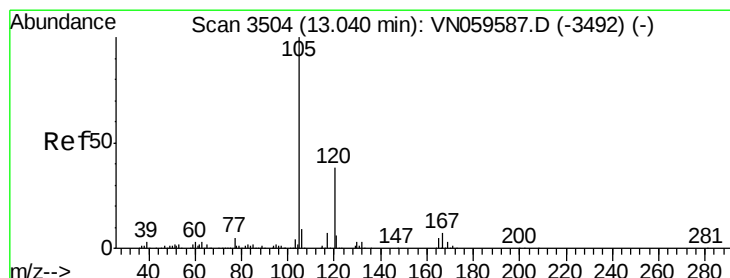
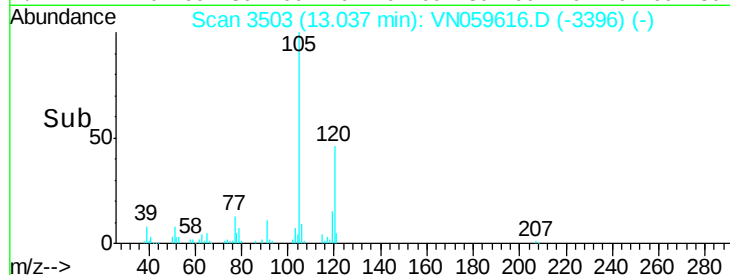
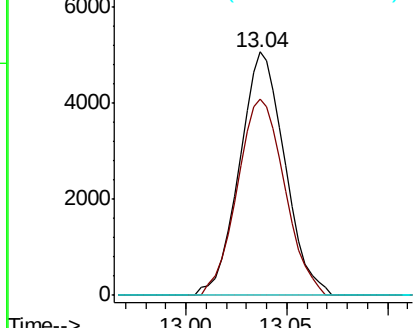
#83
 tert-Butylbenzene
 Concen: 0.945 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.05 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 TH-3

Tgt Ion:119 Resp: 7954
 Ion Ratio Lower Upper
 119 100
 91 84.2 34.8 104.4
 134 0.0 12.3 36.9#

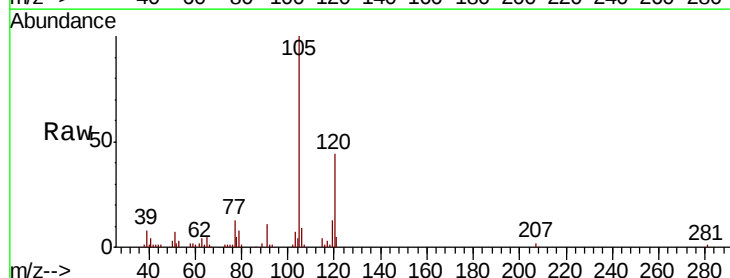


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

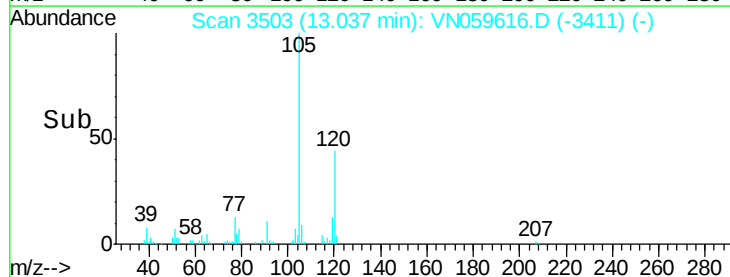
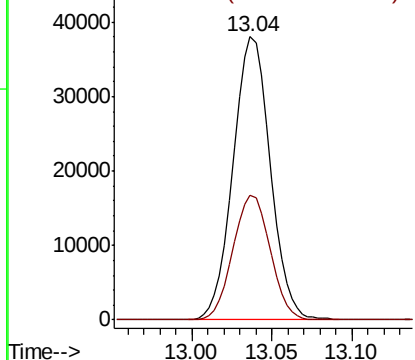


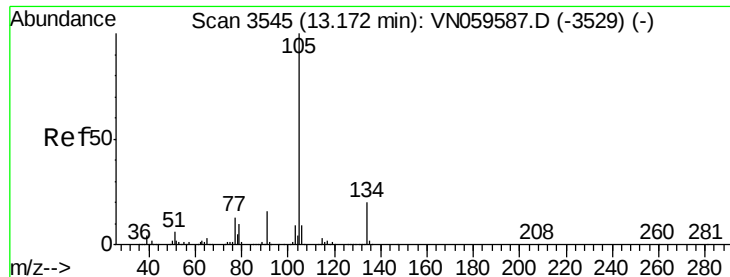
#84
 1,2,4-Trimethylbenzene
 Concen: 6.090 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059616.D
 Acq: 16 Dec 2019 20:19

Tgt Ion:105 Resp: 60171
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.376 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.13 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

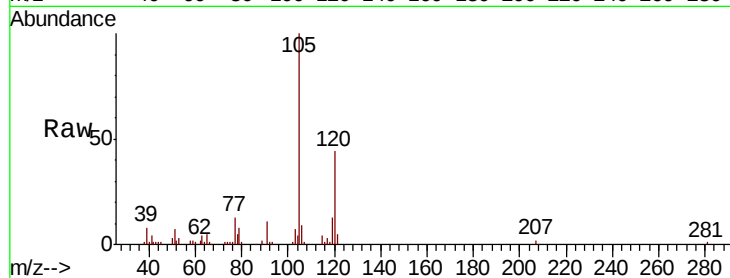
TH-3

Tgt Ion:105 Resp: 60171

Ion Ratio Lower Upper

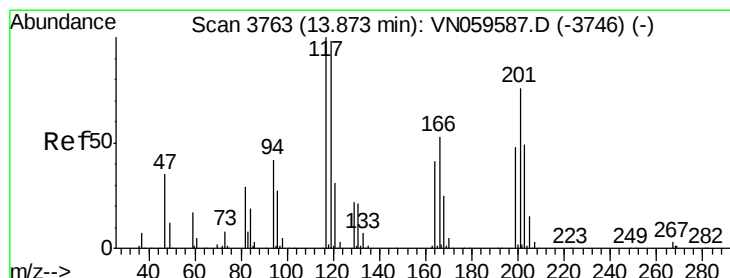
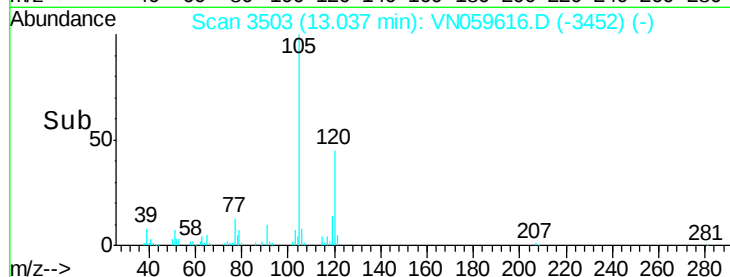
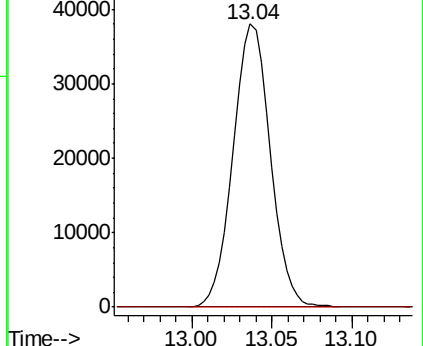
105 100

134 0.0 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.412 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN059616.D

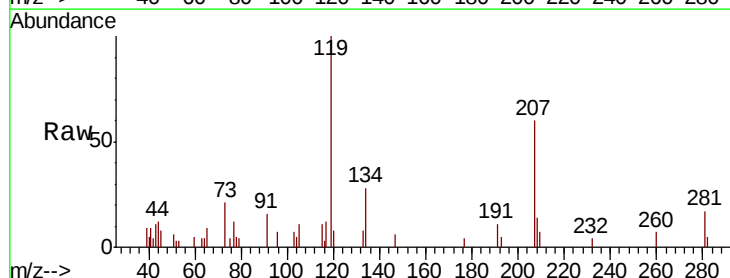
Acq: 16 Dec 2019 20:19

Tgt Ion:117 Resp: 789

Ion Ratio Lower Upper

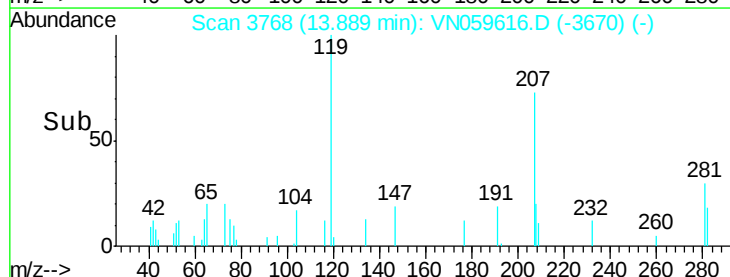
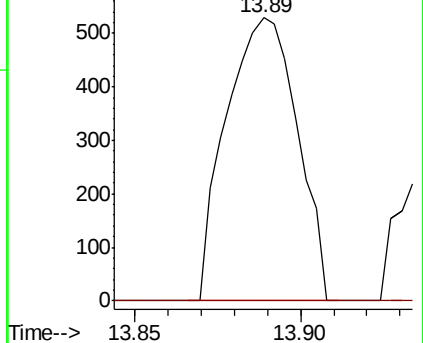
117 100

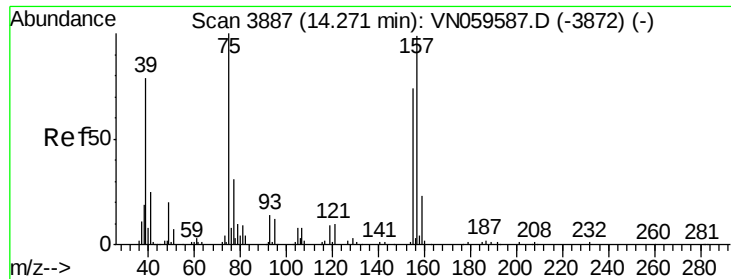
201 0.0 37.8 113.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.685 ug/l

RT: 14.24 min Scan# 3876

Delta R.T. -0.03 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

TH-3

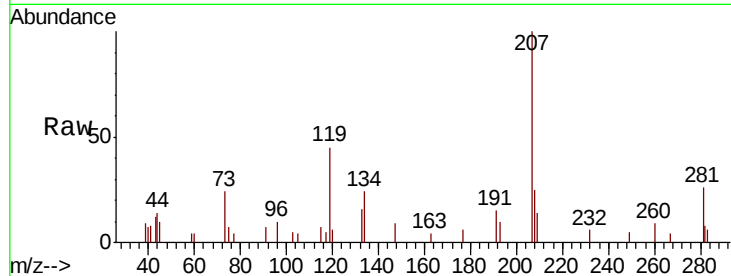
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

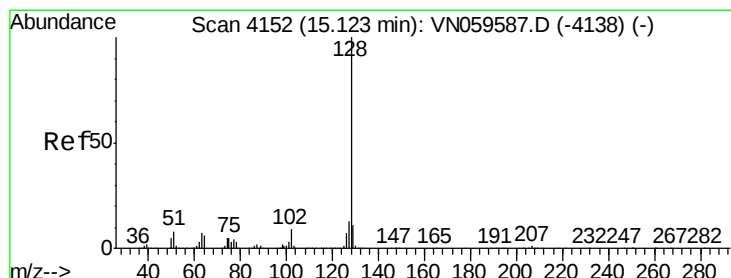
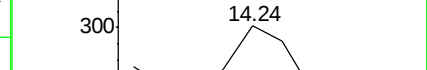
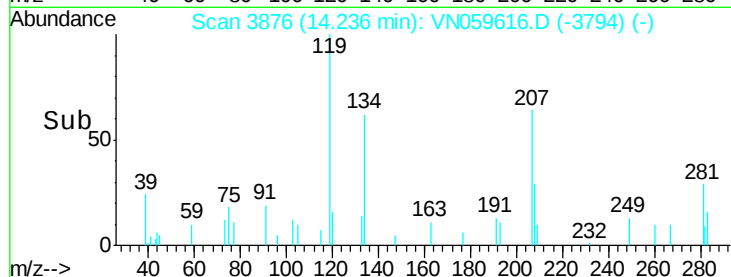


Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN059587.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN059587.D (-3872) (-)

Time-->



#95

Naphthalene

Concen: 11.146 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059616.D

Acq: 16 Dec 2019 20:19

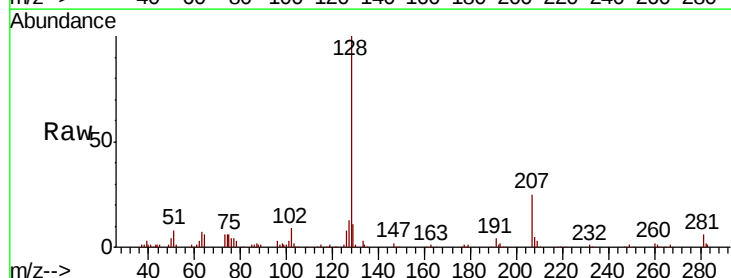
Tgt Ion: 128 Resp: 112514

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VN059587.D (-4138) (-)

Ion 127.00 (126.70 to 127.70): VN059587.D (-4138) (-)

Ion 129.00 (128.70 to 129.70): VN059587.D (-4138) (-)

Time-->

