

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059604.D
 Acq On : 16 Dec 2019 15:55
 Operator : JC/SP
 Sample : K6110-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-121219

Quant Time: Dec 17 04:51:28 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	251272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	399475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	366174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	177841	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	7.57	113	125544	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.08	98	499679	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	168479	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	609	0.214	ug/l	98
13) Acrolein	3.59	56	105	0.220	ug/l #	13
16) Acetone	3.79	43	14852	6.842	ug/l	98
17) Carbon Disulfide	4.02	76	2737	2.160	ug/l #	75
18) Methyl Acetate	4.30	43	1542	0.339	ug/l #	79
20) Methylene Chloride	4.52	84	7424	2.368	ug/l	97
25) 2-Butanone	6.81	43	1490	0.574	ug/l #	87
30) Chloroform	7.35	83	1406	0.253	ug/l	90
31) Cyclohexane	7.64	56	6213	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	20896	5.016	ug/l #	50
38) Carbon Tetrachloride	7.64	117	25192	5.828	ug/l #	15
43) Isopropyl Acetate	8.14	43	70883	9.416	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1387	0.422	ug/l #	44
48) Methyl methacrylate	9.16	41	4755	1.392	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	6628	1.477	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	27486	5.265	ug/l #	63
56) Ethyl methacrylate	10.53	69	976	0.224	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5103	0.998	ug/l #	42
59) 2-Hexanone	10.76	43	78936	22.315	ug/l #	54
67) Ethyl Benzene	11.50	91	3198	0.224	ug/l	98
68) m/p-Xylenes	11.62	106	3675	0.696	ug/l	97
69) o-Xylene	11.94	106	3269	0.651	ug/l	96
71) Bromoform	12.40	173	753	0.333	ug/l #	1
74) N-amyl acetate	12.03	43	2743	0.518	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	91111	25.028	ug/l #	100
78) n-propylbenzene	12.59	91	5739	0.421	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	10613	1.086	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	91111	61.817	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	27164	2.797	ug/l	99
85) sec-Butylbenzene	13.17	105	3478	0.316	ug/l	100
86) p-Isopropyltoluene	13.29	119	2562	0.257	ug/l	95
89) n-Butylbenzene	13.62	91	3331	0.356	ug/l #	83
90) Hexachloroethane	13.89	117	1195	0.634	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	326	1.931	ug/l #	17

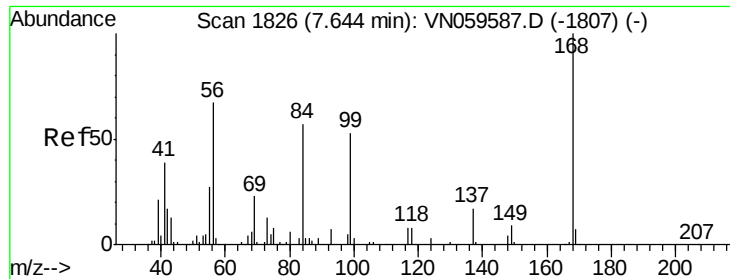
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
Data File : VN059604.D
Acq On : 16 Dec 2019 15:55
Operator : JC/SP
Sample : K6110-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HD-02-121219

Quant Time: Dec 17 04:51:28 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)
93) 1,2,4-Trichlorobenzene	14.91	180	1916	0.576	ug/l #	64
94) Hexachlorobutadiene	15.01	225	495	1.933	ug/l	75
95) Naphthalene	15.13	128	18819	1.896	ug/l	96
96) 1,2,3-Trichlorobenzene	15.29	180	2770	0.824	ug/l #	53

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

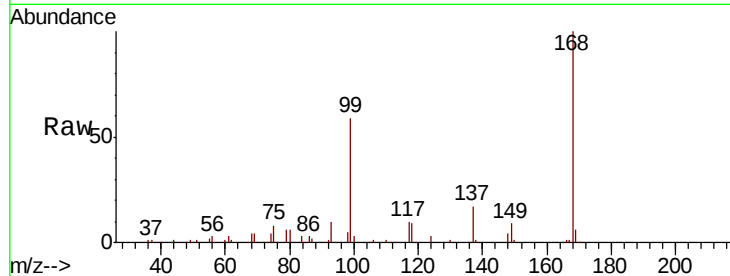
HD-02-121219

Tgt Ion: 168 Resp: 251272

Ion Ratio Lower Upper

168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

60000

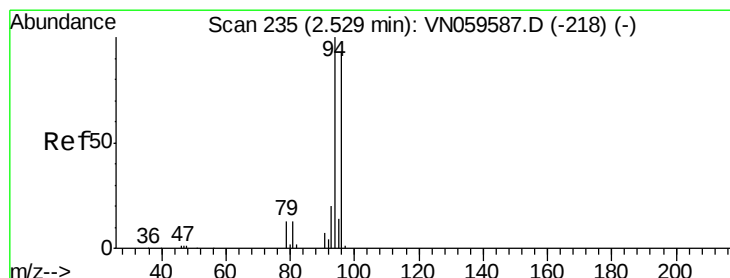
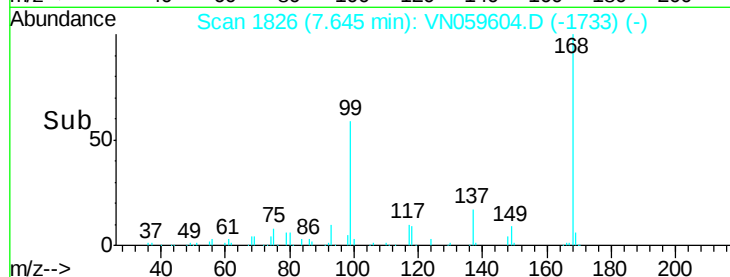
40000

20000

0

7.60 7.70

Time-->



#5

Bromomethane

Concen: 0.214 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059604.D

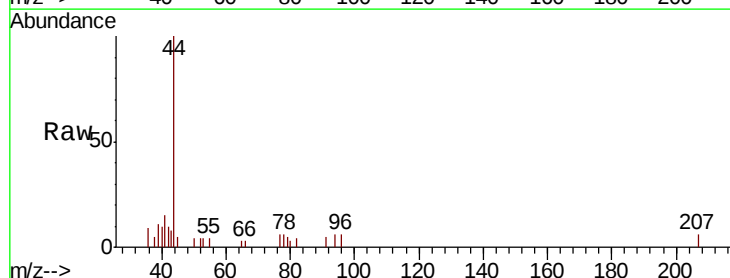
Acq: 16 Dec 2019 15:55

Tgt Ion: 94 Resp: 609

Ion Ratio Lower Upper

94 100

96 94.8 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN059587.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059587.D (-218) (-)

2.55

300

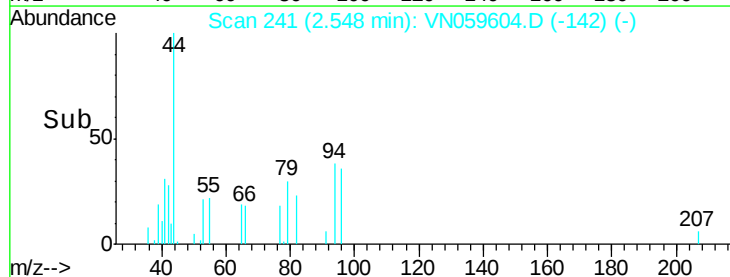
200

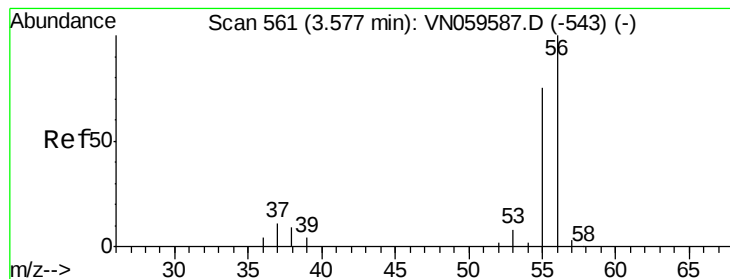
100

0

2.50 2.55

Time-->





#13

Acrolein

Concen: 0.220 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

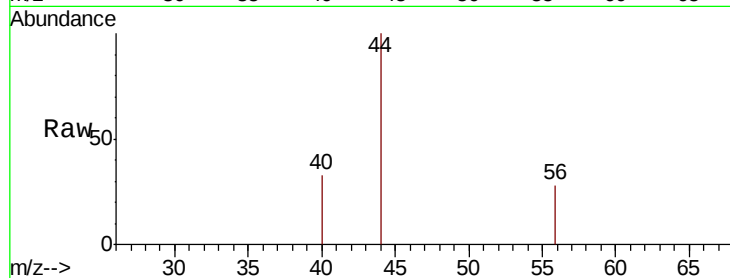
HD-02-121219

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

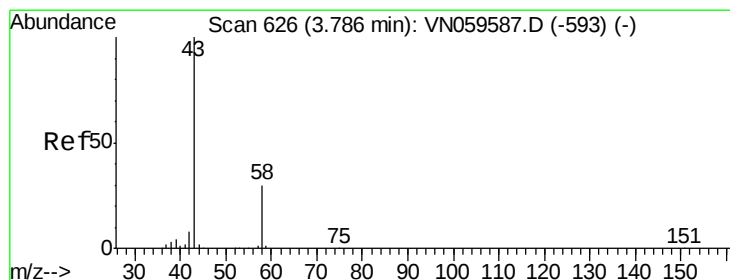
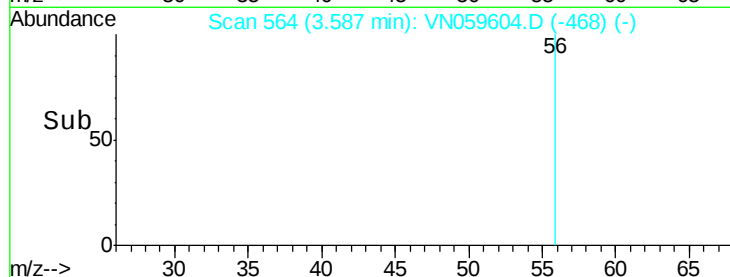
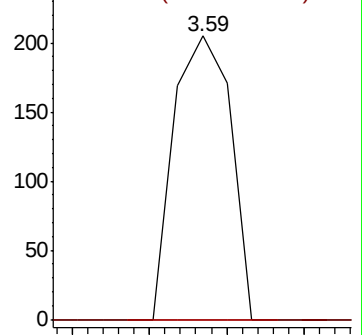
56 100

55 0.0 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 6.842 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059604.D

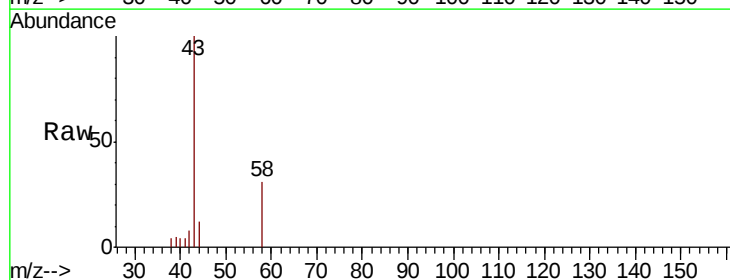
Acq: 16 Dec 2019 15:55

Tgt Ion: 43 Resp: 14852

Ion Ratio Lower Upper

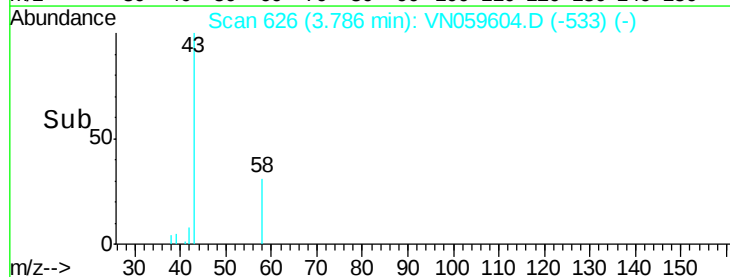
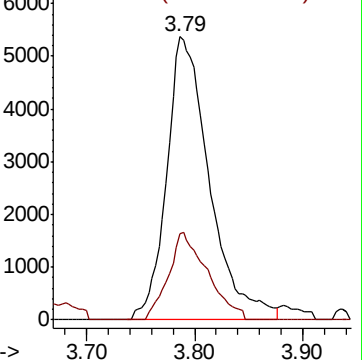
43 100

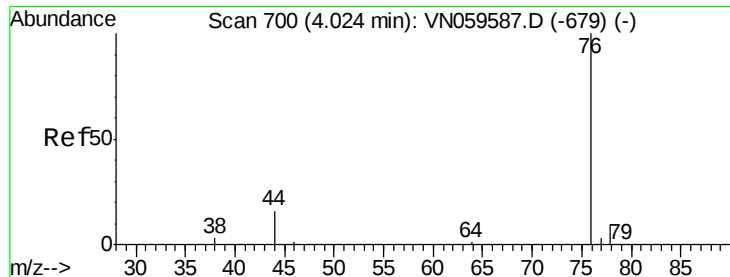
58 30.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

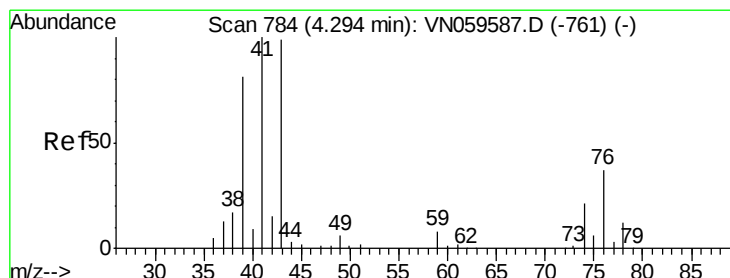
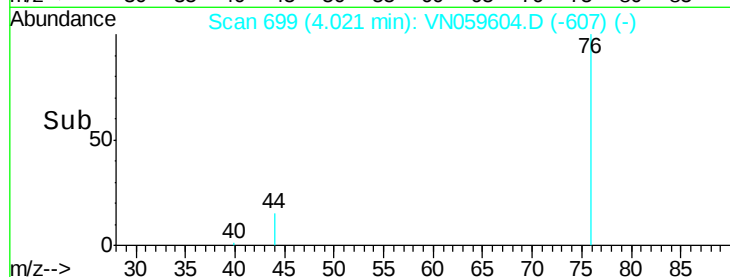
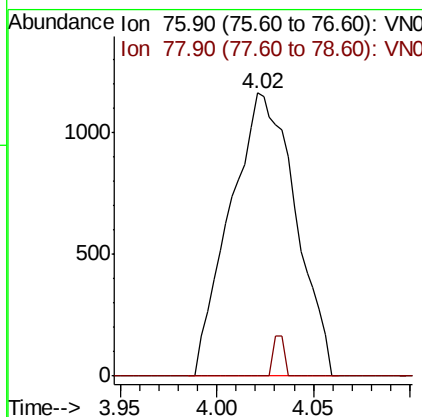
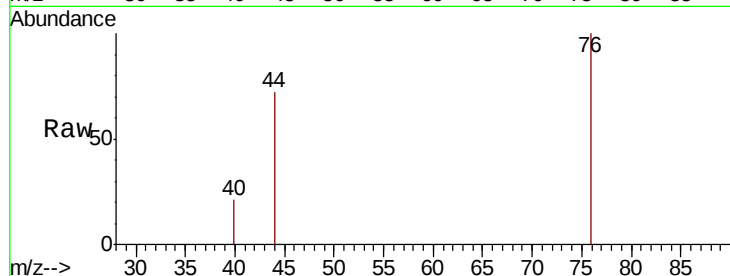




#17
Carbon Disulfide
Concen: 2.160 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

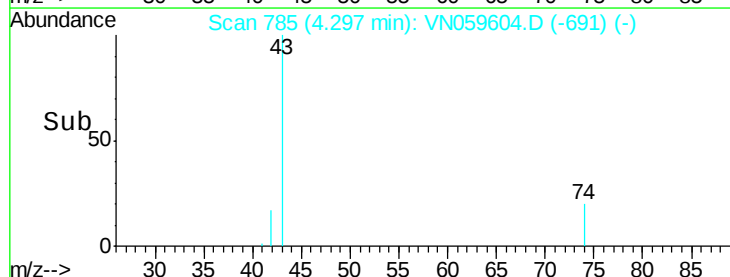
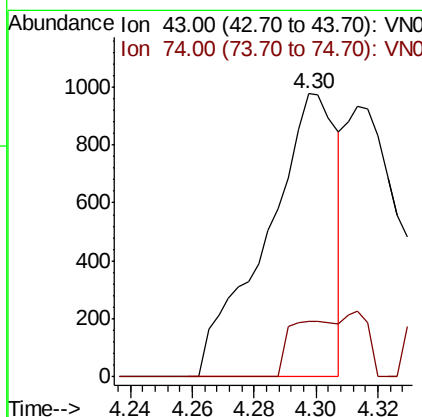
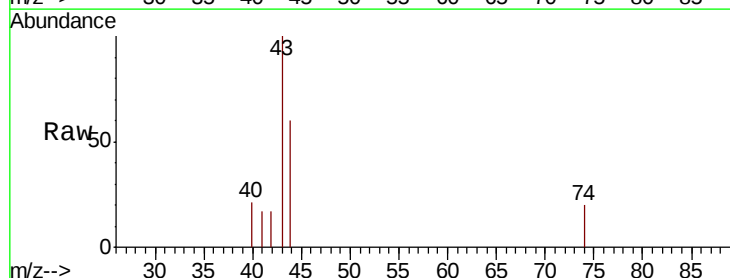
Instrument :
MSVOA_N
ClientSampleId :
HD-02-121219

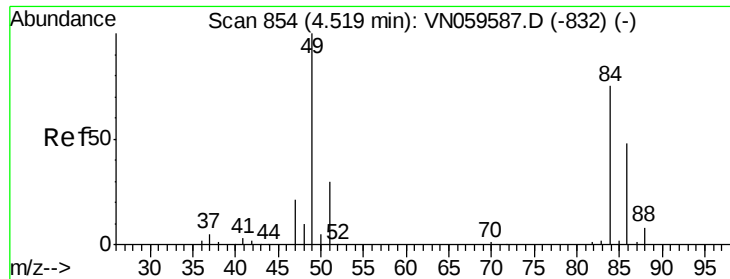
Tgt Ion: 76 Resp: 2737
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.339 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
74 11.7 17.5 26.3#

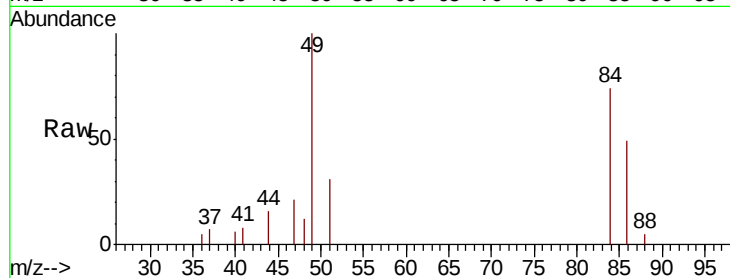




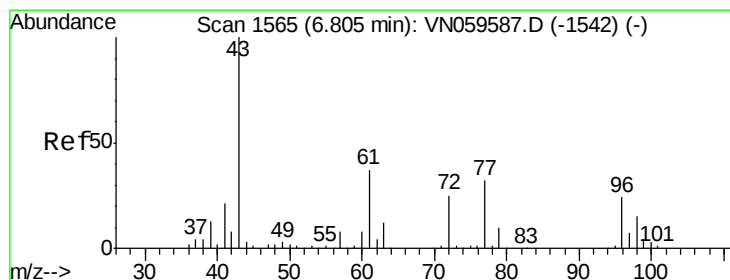
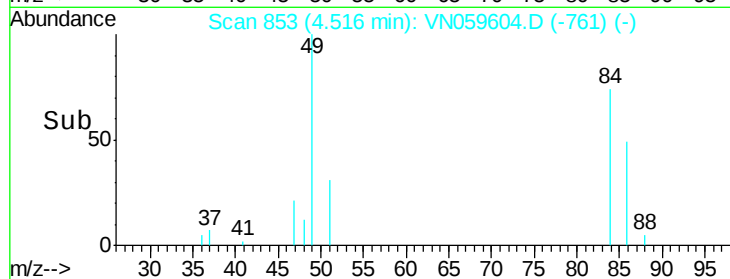
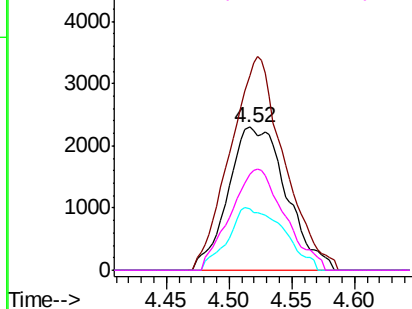
#20
Methylene Chloride
Concen: 2.368 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
HD-02-121219

Tgt Ion: 84 Resp: 7424
Ion Ratio Lower Upper
84 100
49 135.9 106.6 160.0
51 42.6 31.9 47.9
86 66.7 50.8 76.2

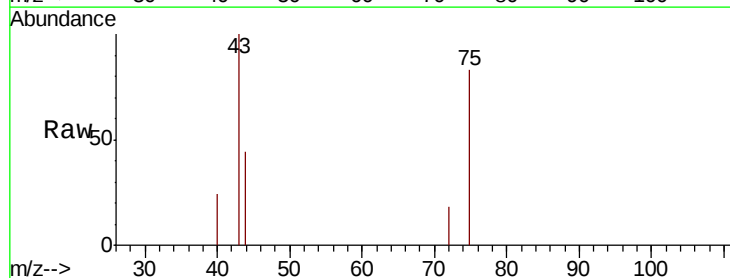


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

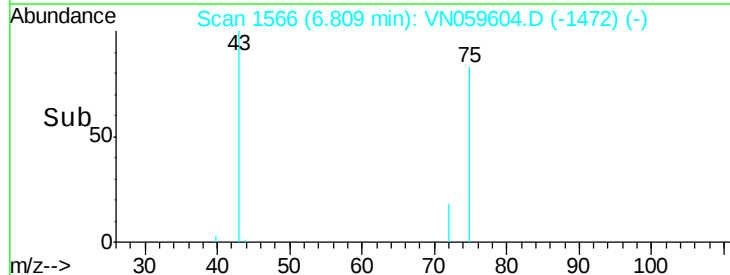
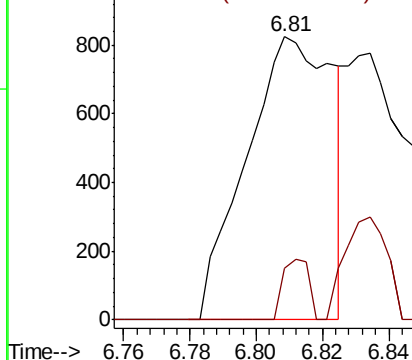


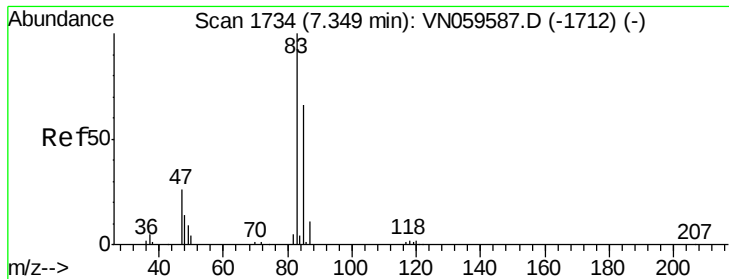
#25
2-Butanone
Concen: 0.574 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
72 18.4 19.9 29.9#



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

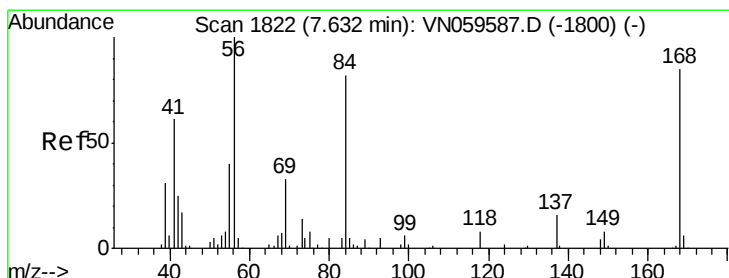
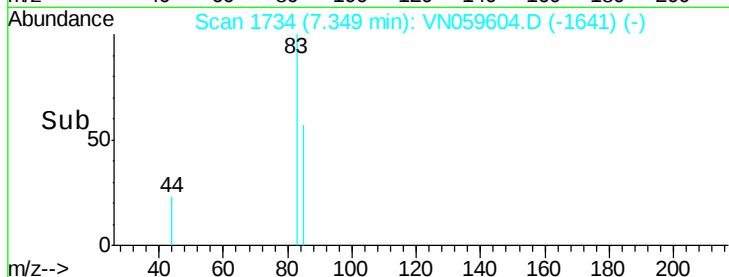
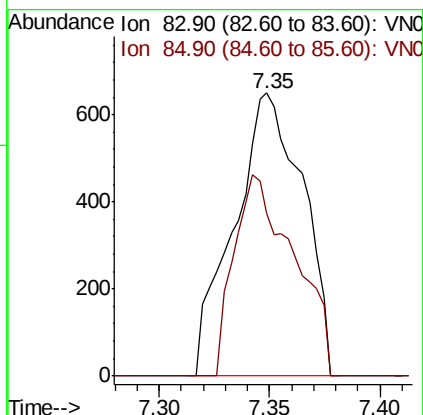
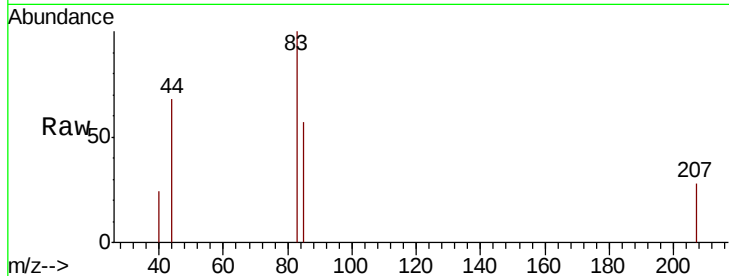




#30
Chloroform
Concen: 0.253 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

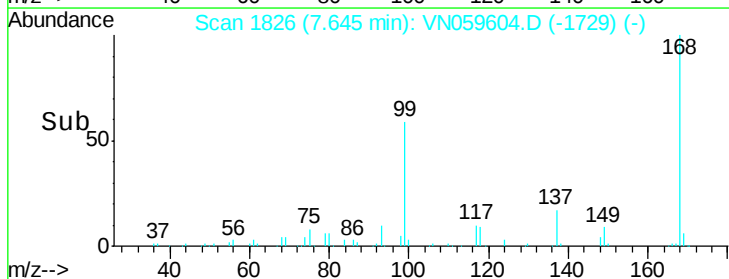
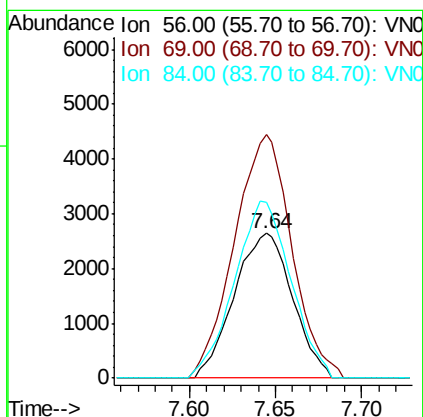
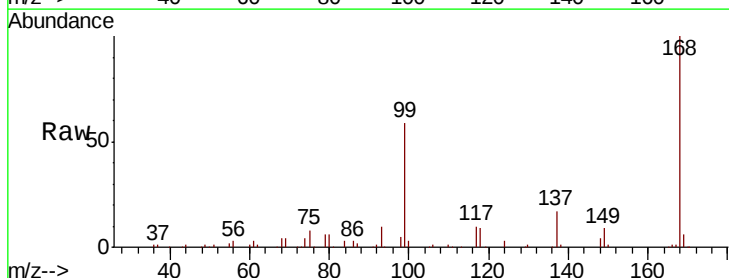
Instrument :
MSVOA_N
ClientSampleId :
HD-02-121219

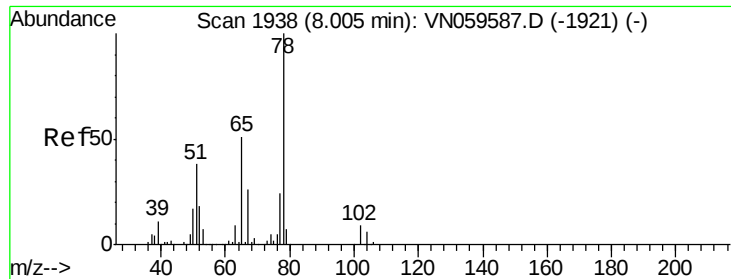
Tgt Ion: 83 Resp: 1406
Ion Ratio Lower Upper
83 100
85 57.4 52.4 78.6



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Tgt Ion: 56 Resp: 6213
Ion Ratio Lower Upper
56 100
69 167.9 26.5 39.7#
84 121.4 65.3 97.9#

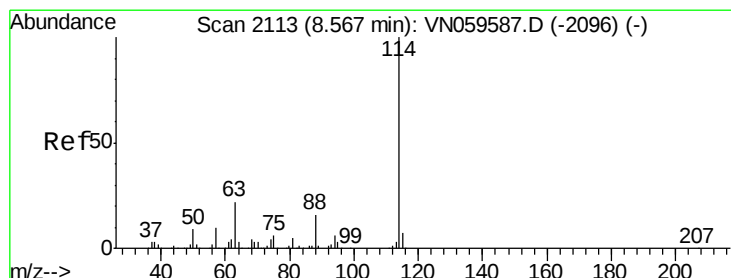
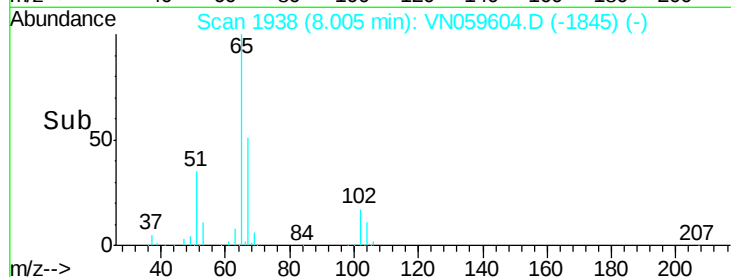
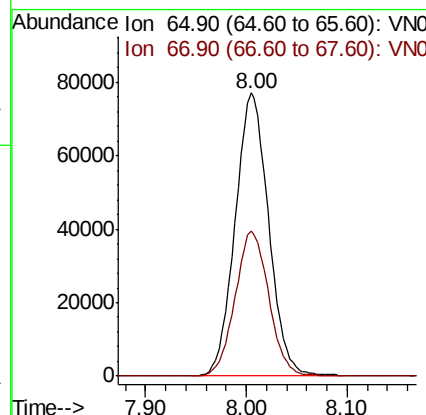
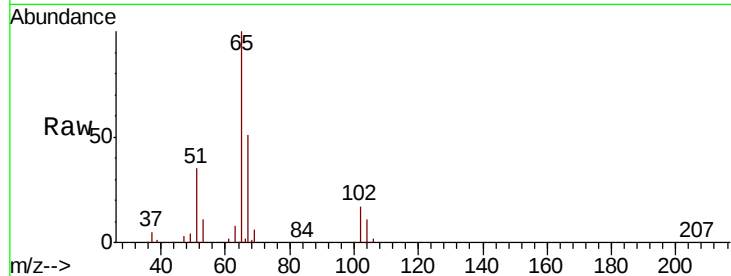




#33
 1,2-Dichloroethane-d4
 Concen: 48.638 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059604.D
 Acq: 16 Dec 2019 15:55

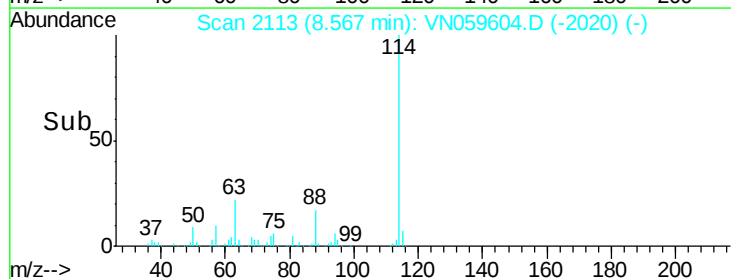
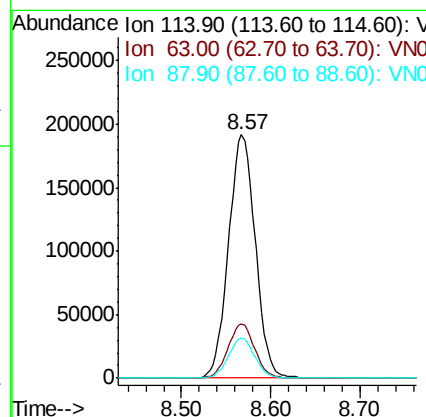
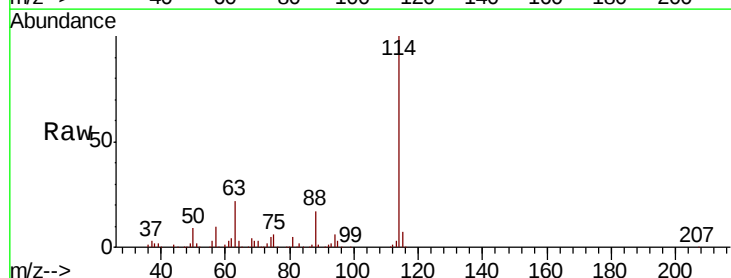
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-121219

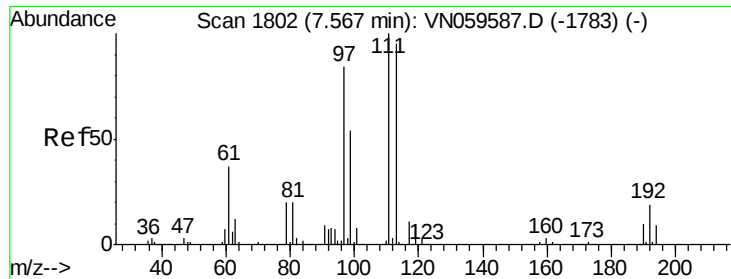
Tgt Ion: 65 Resp: 177841
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059604.D
 Acq: 16 Dec 2019 15:55

Tgt Ion: 114 Resp: 399475
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.6
 88 16.6 0.0 31.4

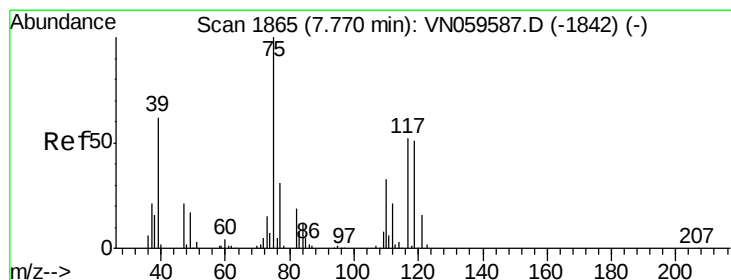
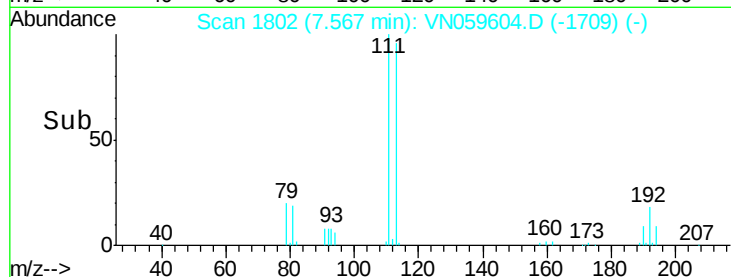
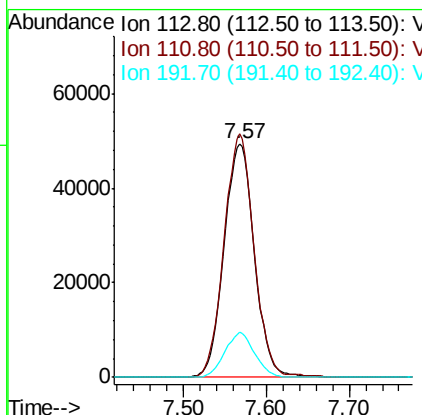
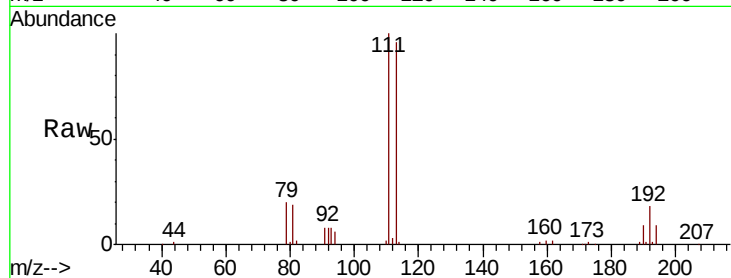




#35
Dibromofluoromethane
Concen: 50.228 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

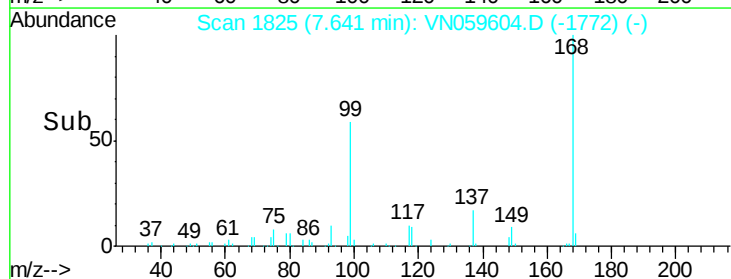
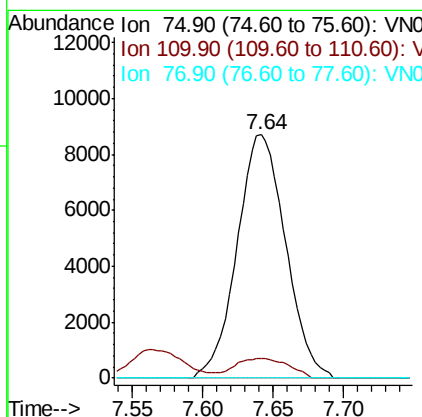
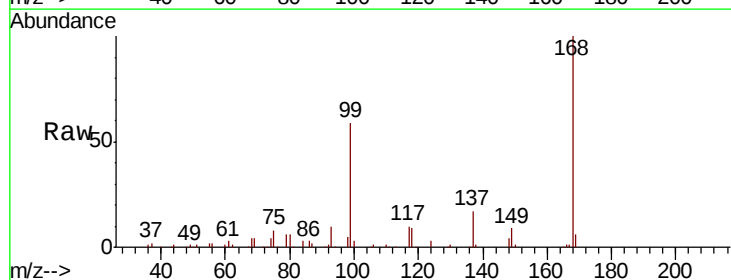
Instrument :
MSVOA_N
ClientSampleId :
HD-02-121219

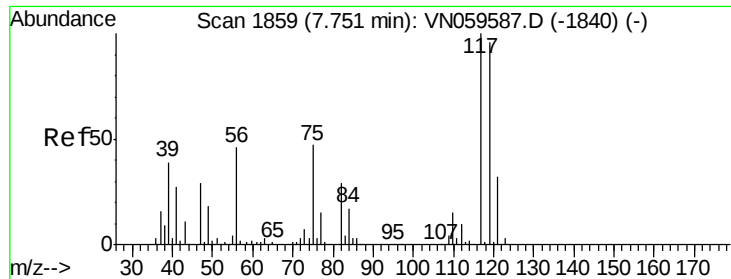
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.5	125.3
192	18.9	15.4	23.2



#36
1,1-Dichloropropene
Concen: 5.016 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.6	49.7#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampled :

HD-02-121219

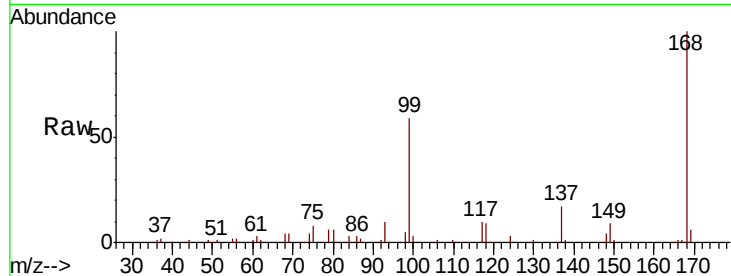
Tgt Ion:117 Resp: 25192

Ion Ratio Lower Upper

117 100

119 4.2 76.5 114.7#

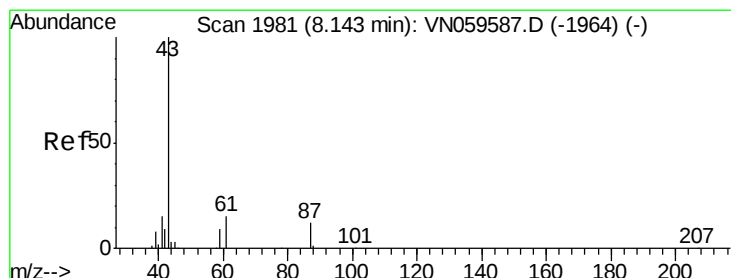
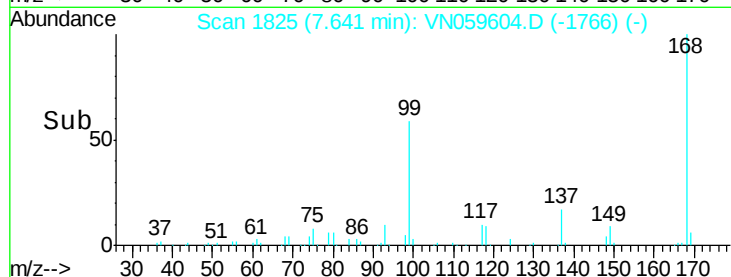
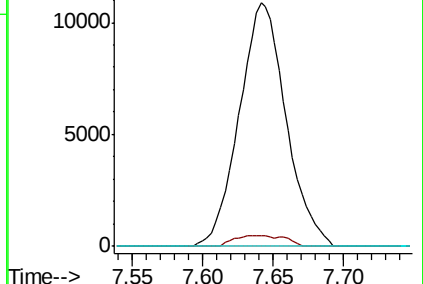
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.416 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

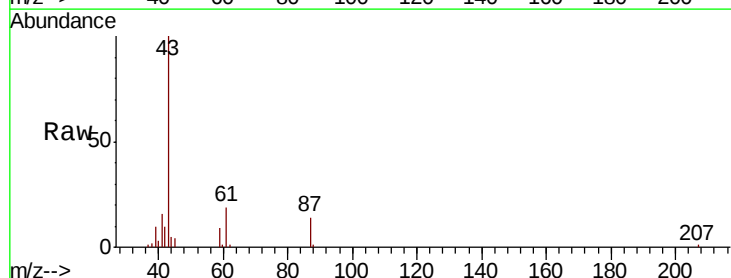
Tgt Ion: 43 Resp: 70883

Ion Ratio Lower Upper

43 100

61 18.7 20.2 30.2#

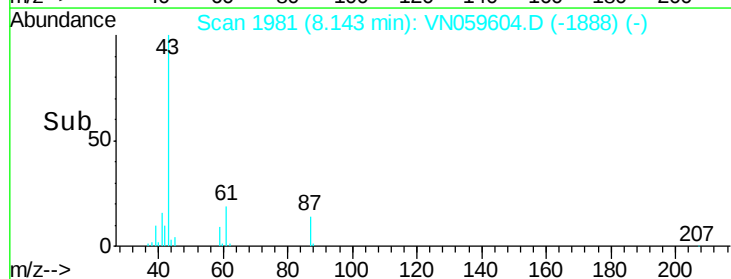
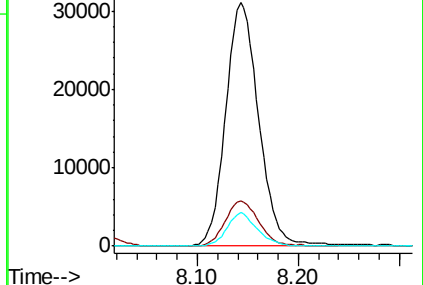
87 12.5 9.5 14.3

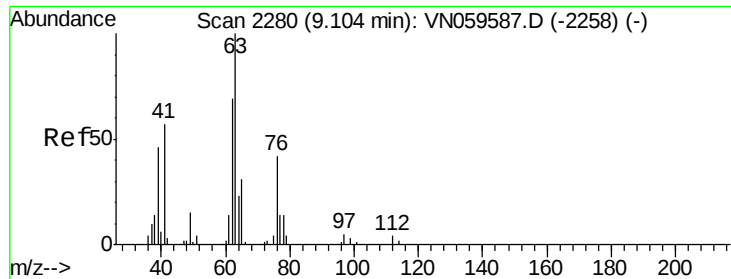


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

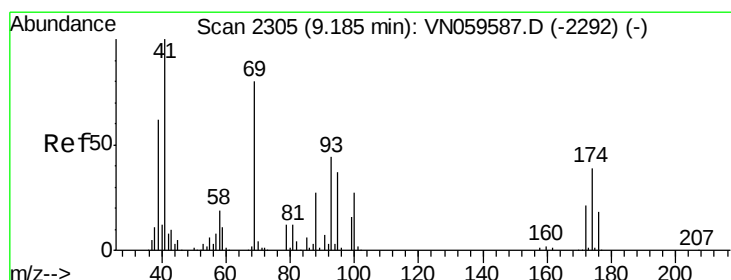
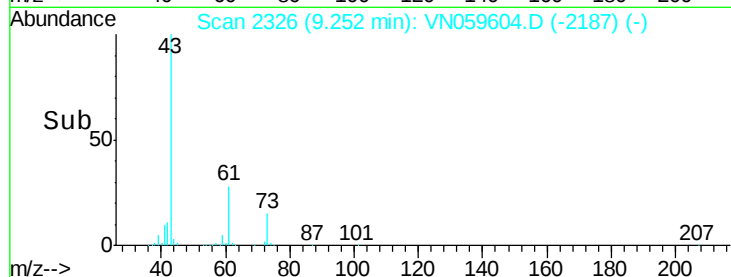
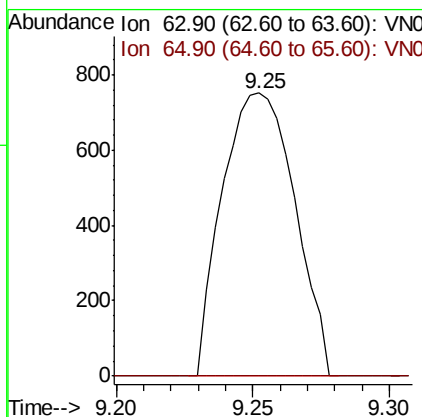
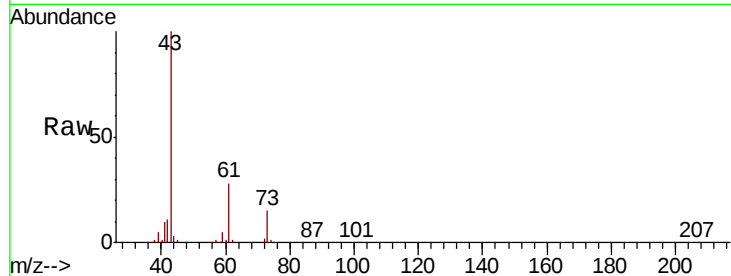




#45
 1,2-Dichloropropane
 Concen: 0.422 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN059604.D
 Acq: 16 Dec 2019 15:55

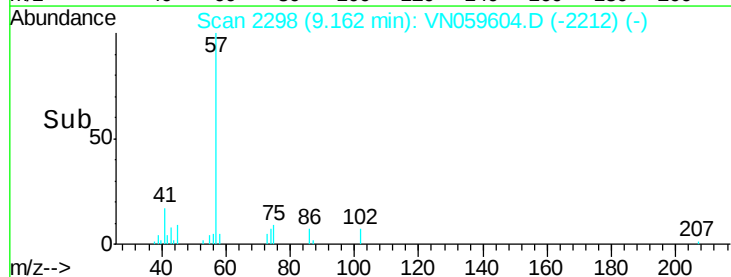
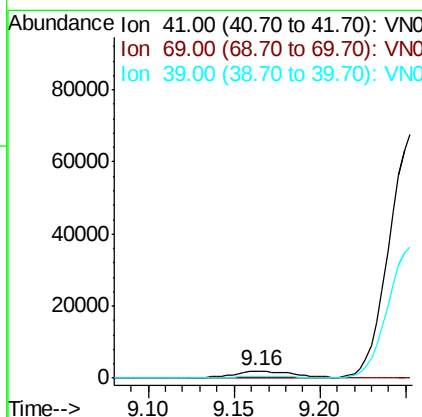
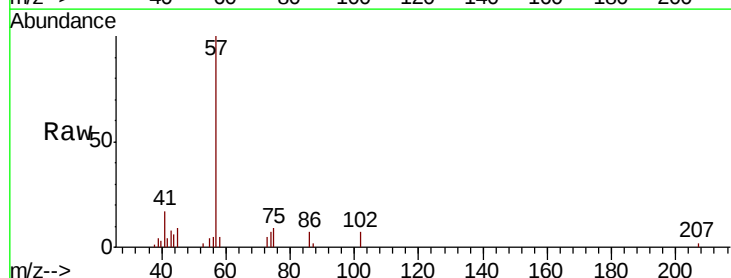
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-121219

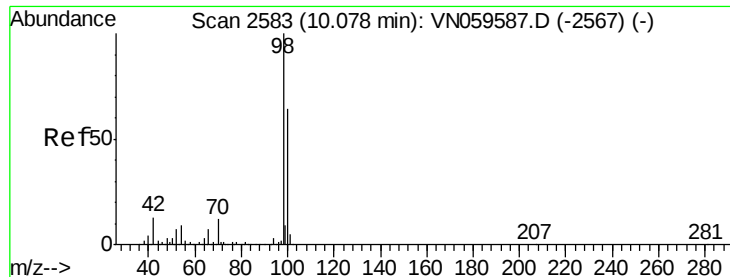
Tgt Ion: 63 Resp: 1387
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.392 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN059604.D
 Acq: 16 Dec 2019 15:55

Tgt Ion: 41 Resp: 4755
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 50.494 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

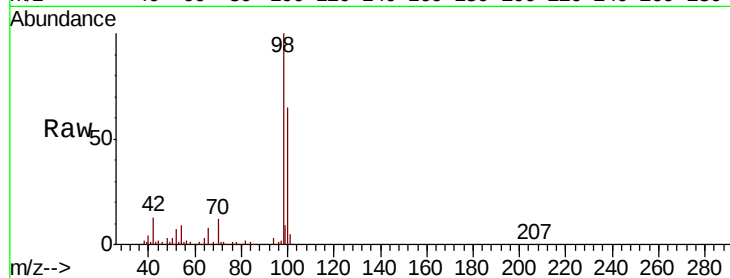
HD-02-121219

Tgt Ion: 98 Resp: 499679

Ion Ratio Lower Upper

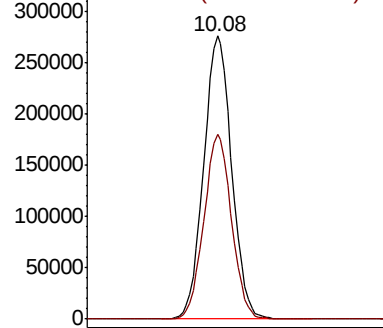
98 100

100 64.4 51.2 76.8

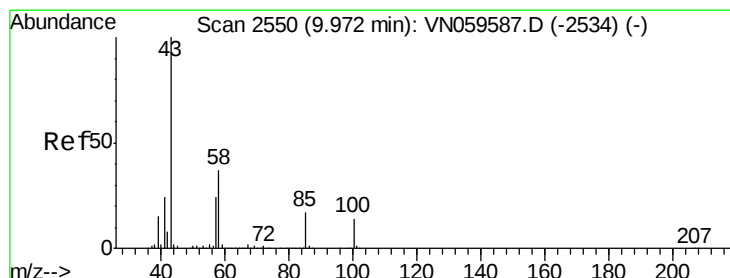
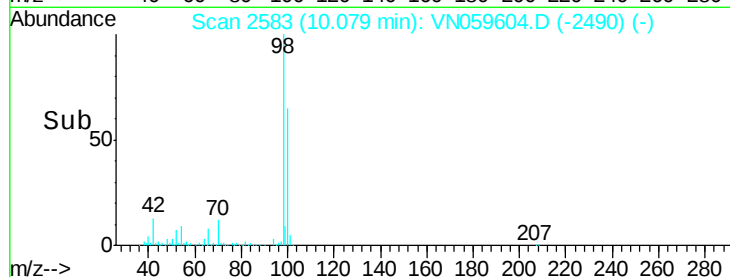


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.477 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059604.D

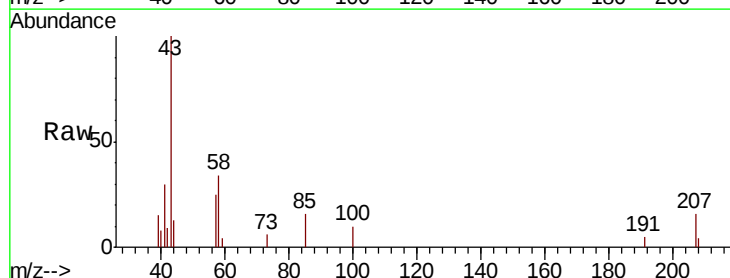
Acq: 16 Dec 2019 15:55

Tgt Ion: 43 Resp: 6628

Ion Ratio Lower Upper

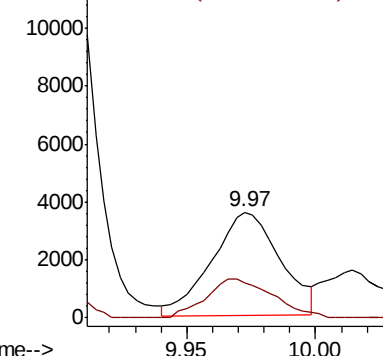
43 100

58 37.0 29.8 44.8

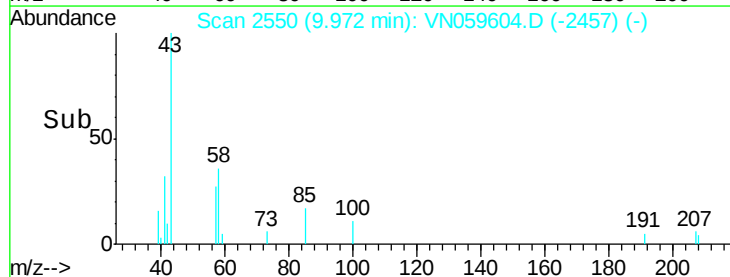


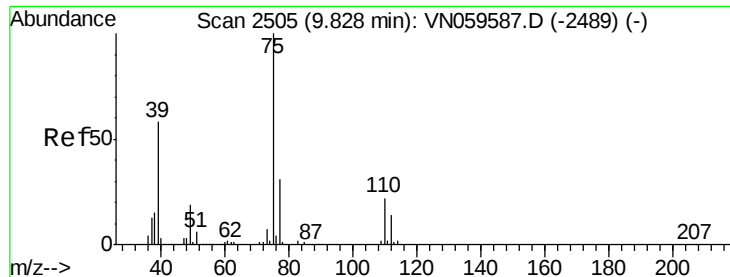
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.265 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.06 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

HD-02-121219

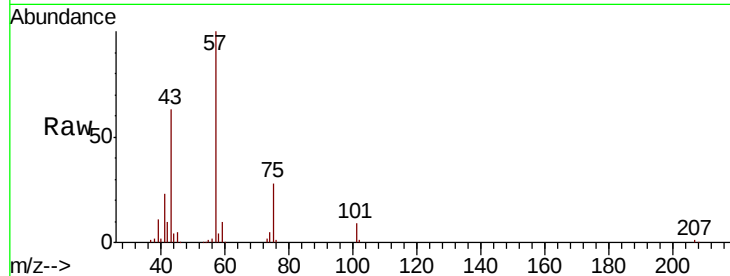
Tgt Ion: 75 Resp: 27486

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

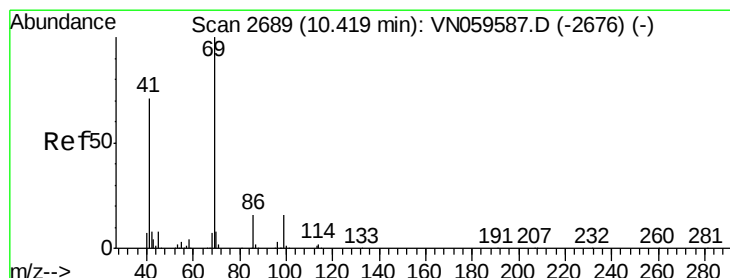
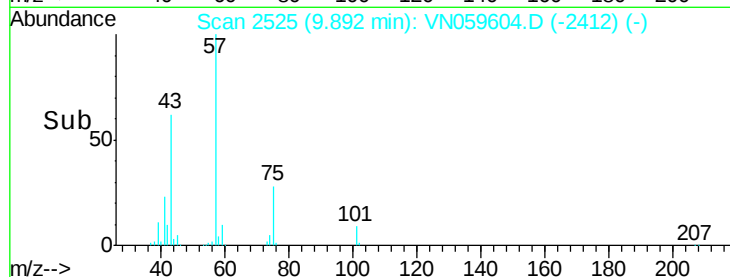
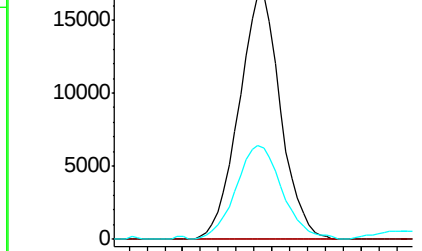
39 38.5 46.1 69.1#



Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN059587.D (-2489) (-)

Ion 39.00 (38.70 to 39.30): VN059587.D (-2489) (-)



#56

Ethyl methacrylate

Concen: 0.224 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.11 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

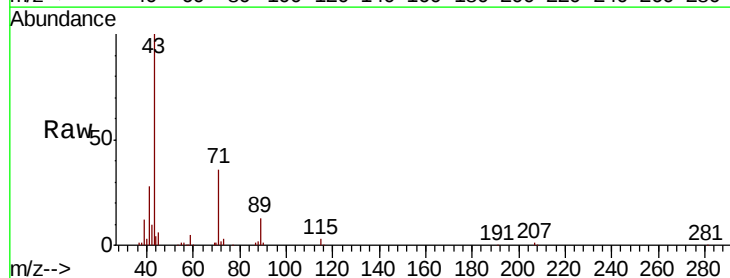
Tgt Ion: 69 Resp: 976

Ion Ratio Lower Upper

69 100

41 6289.8 57.1 85.7#

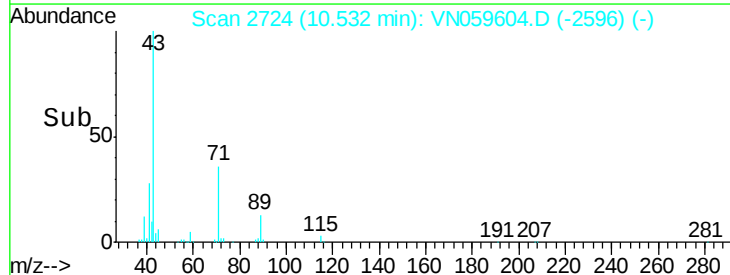
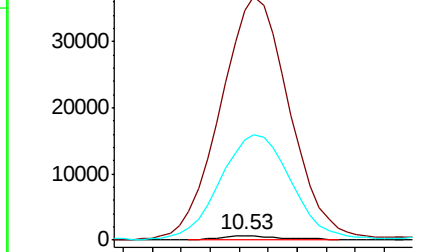
39 2802.0 34.7 52.1#

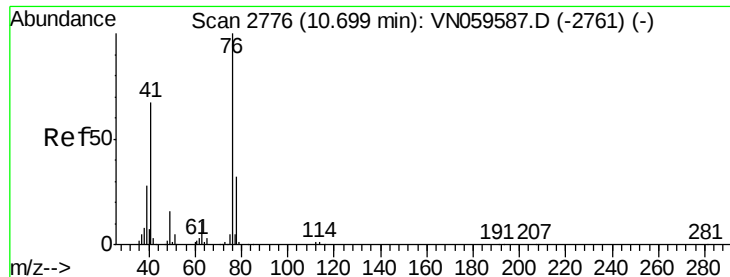


Abundance Ion 69.00 (68.70 to 69.30): VN059587.D (-2676) (-)

Ion 41.00 (40.70 to 41.30): VN059587.D (-2676) (-)

Ion 39.00 (38.70 to 39.30): VN059587.D (-2676) (-)





#57

1,3-Dichloropropane

Concen: 0.998 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

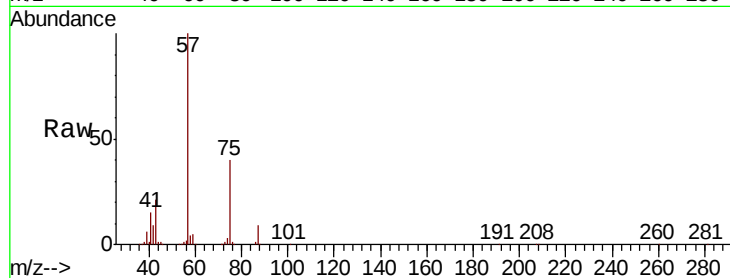
HD-02-121219

Tgt Ion: 76 Resp: 5103

Ion Ratio Lower Upper

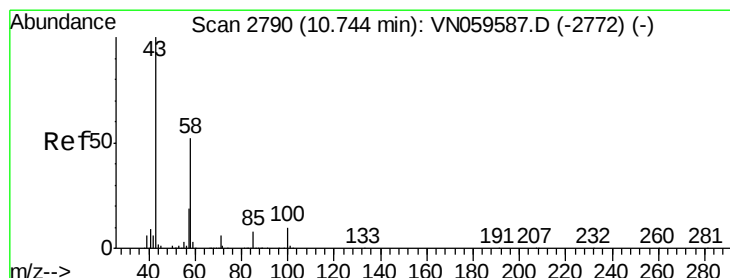
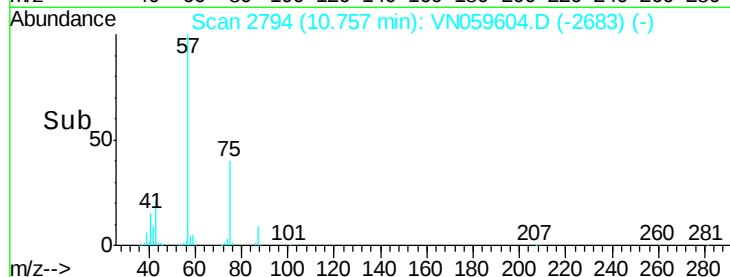
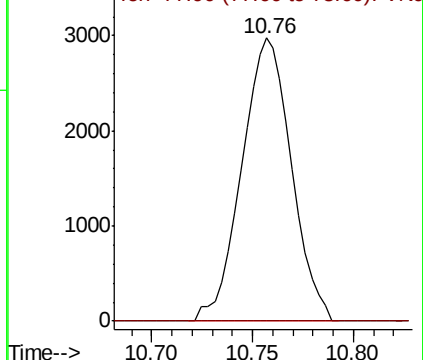
76 100

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: 22.315 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN059604.D

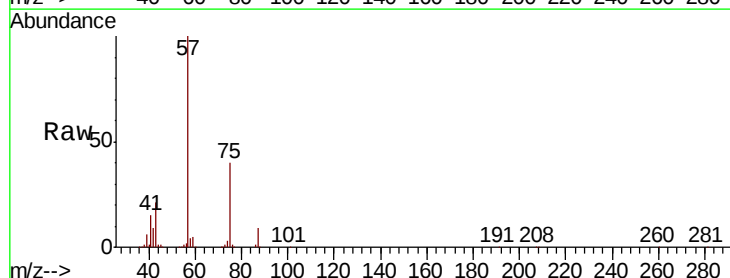
Acq: 16 Dec 2019 15:55

Tgt Ion: 43 Resp: 78936

Ion Ratio Lower Upper

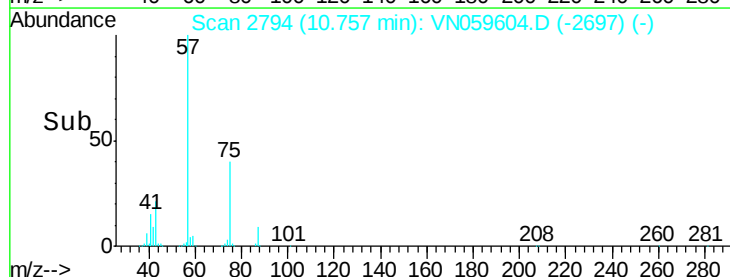
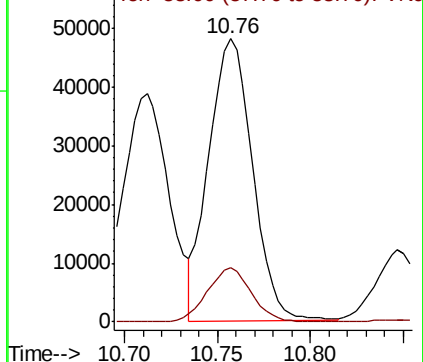
43 100

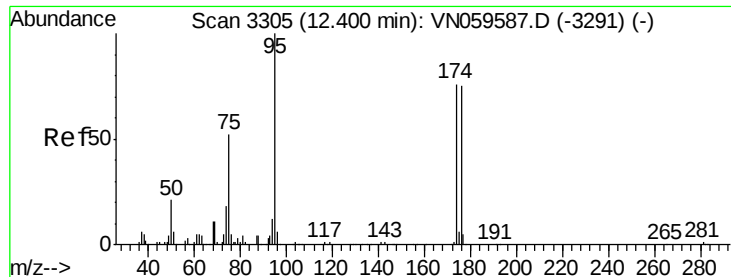
58 19.2 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.659 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampled :

HD-02-121219

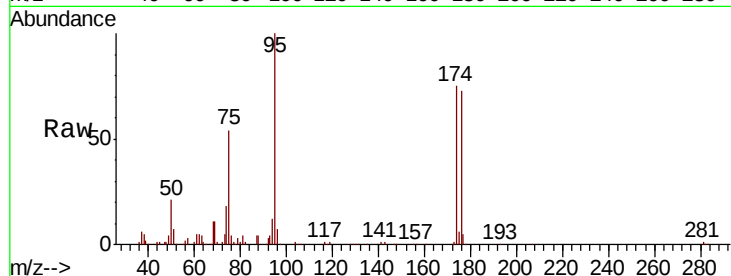
Tgt Ion: 95 Resp: 168479

Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.4

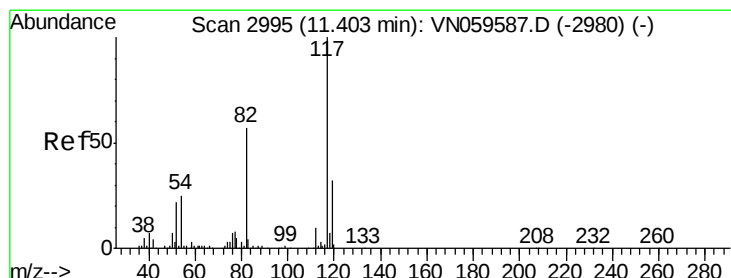
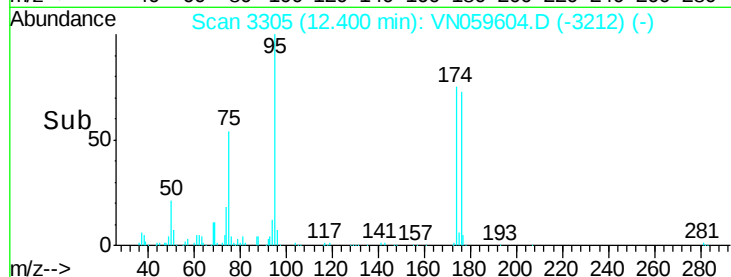
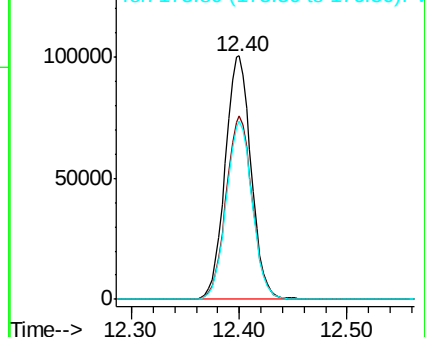
176 73.2 0.0 146.0



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: VN059604.D

Acq: 16 Dec 2019 15:55

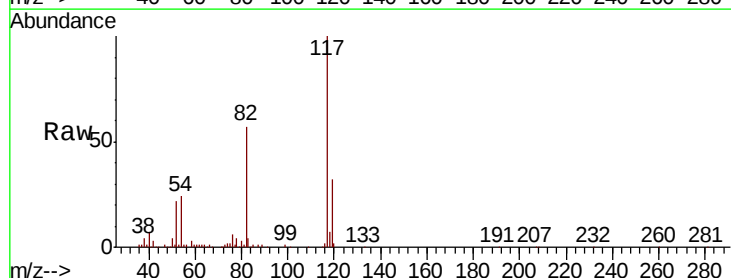
Tgt Ion: 117 Resp: 366174

Ion Ratio Lower Upper

117 100

82 57.2 45.9 68.9

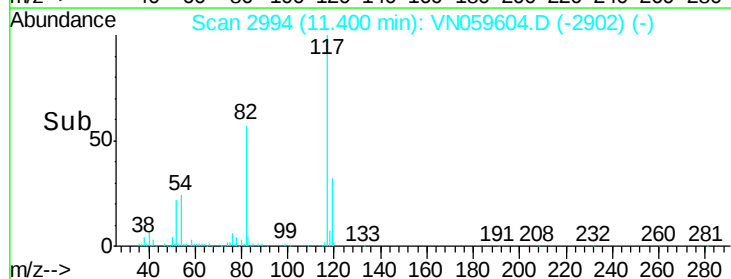
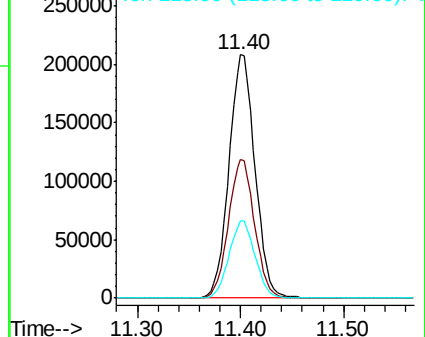
119 31.8 25.5 38.3

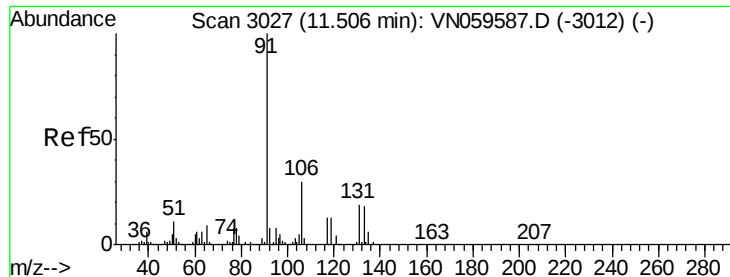


Abundance Ion 116.90 (116.60 to 117.60): VN059587.D (-2980) (-)

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

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

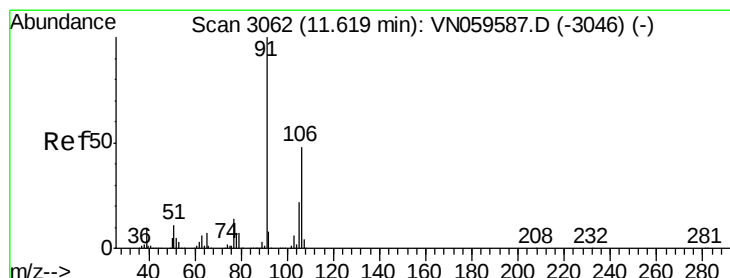
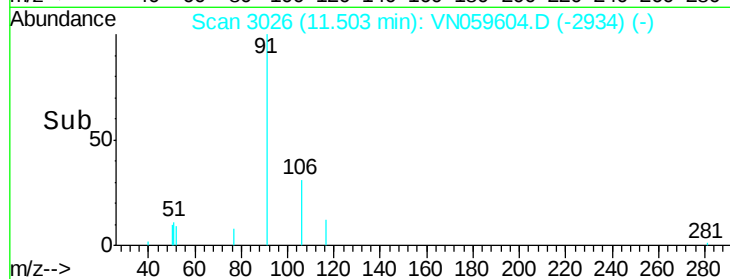
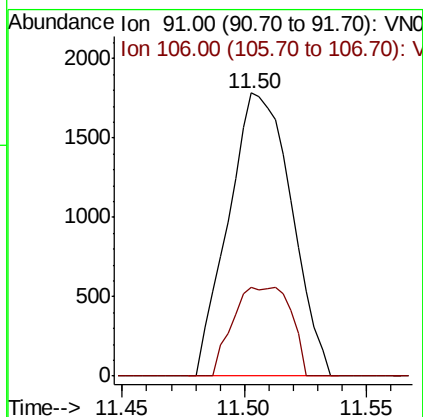
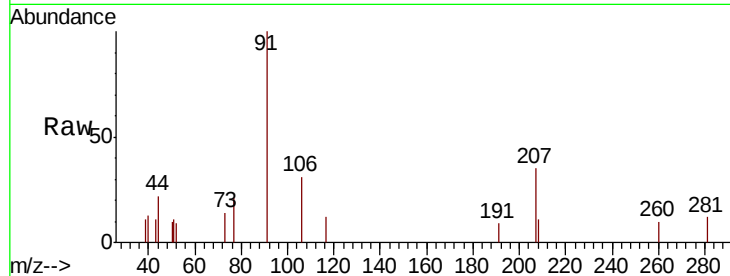




#67
Ethyl Benzene
Concen: 0.224 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

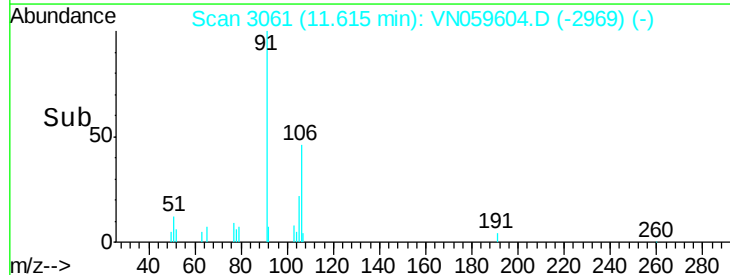
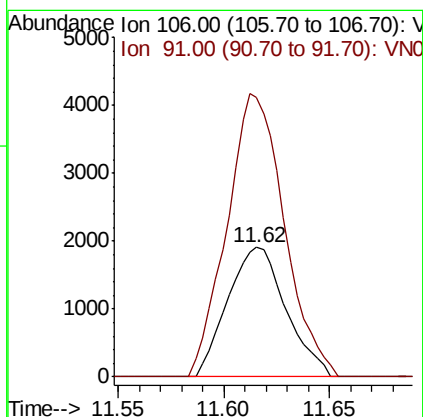
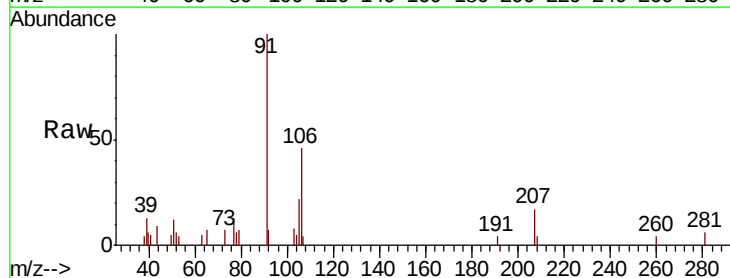
Instrument :
MSVOA_N
ClientSampleId :
HD-02-121219

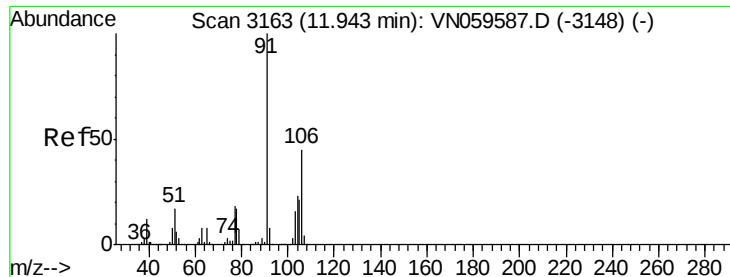
Tgt Ion: 91 Resp: 3198
Ion Ratio Lower Upper
91 100
106 31.3 24.1 36.1



#68
m/p-Xylenes
Concen: 0.696 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Tgt Ion: 106 Resp: 3675
Ion Ratio Lower Upper
106 100
91 214.4 167.9 251.9

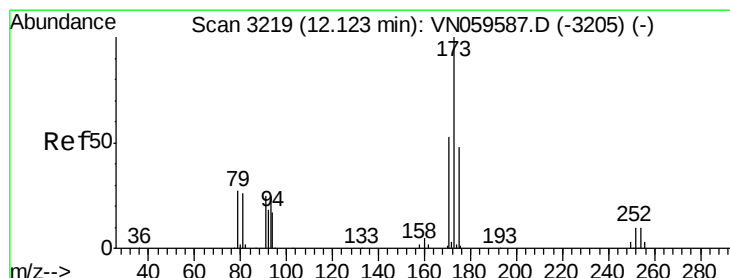
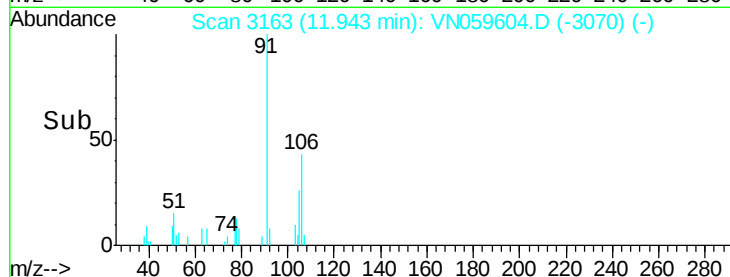
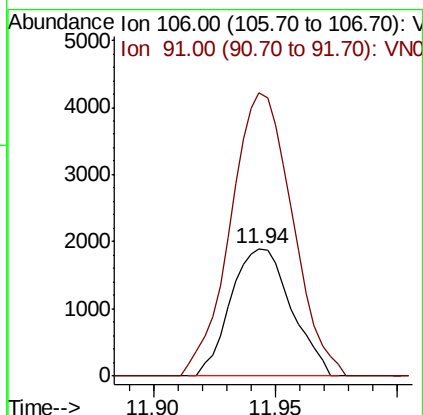
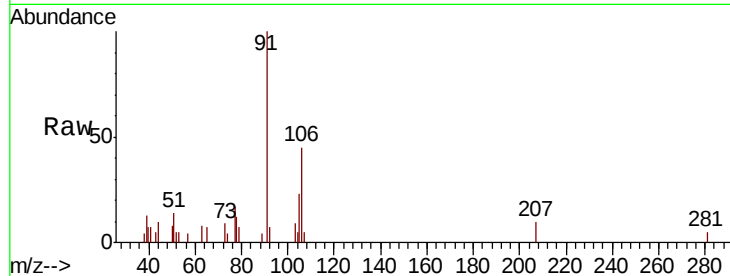




#69
o-Xylene
Concen: 0.651 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

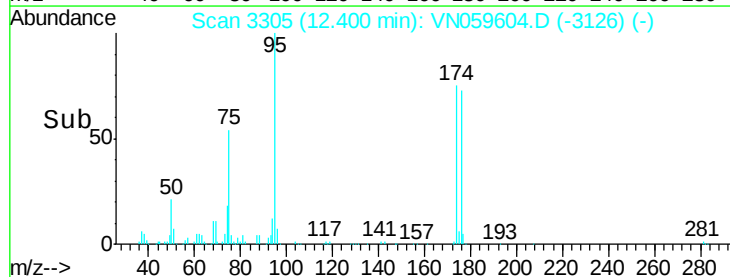
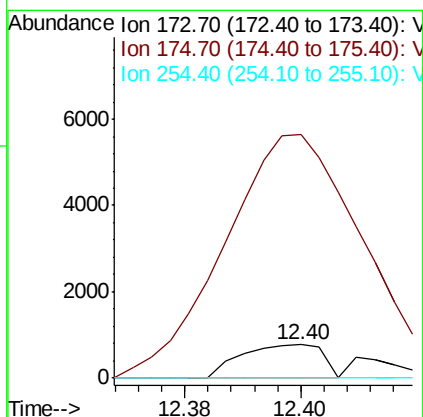
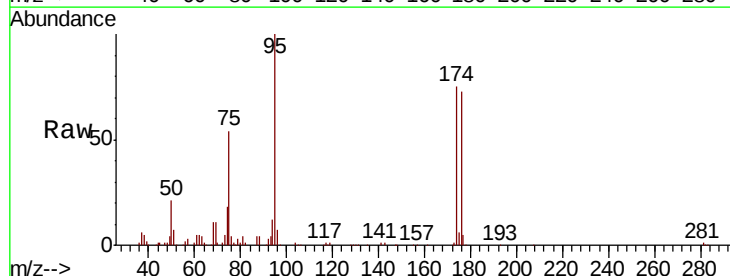
Instrument :
MSVOA_N
ClientSampleId :
HD-02-121219

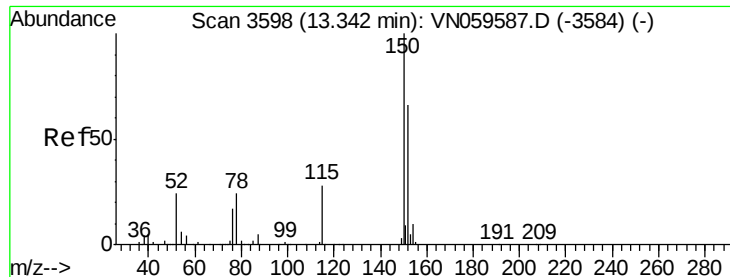
Tgt Ion:106 Resp: 3269
Ion Ratio Lower Upper
106 100
91 226.5 110.3 330.9



#71
Bromoform
Concen: 0.333 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Tgt Ion:173 Resp: 753
Ion Ratio Lower Upper
173 100
175 1073.0 23.8 71.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

HD-02-121219

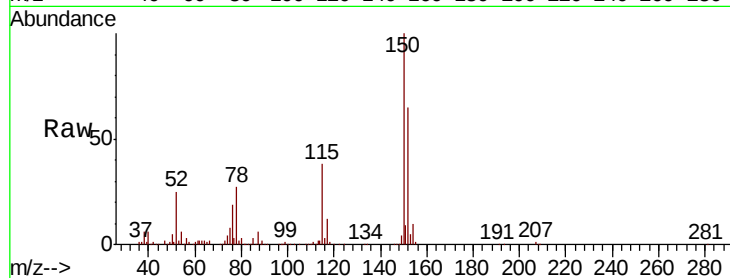
Tgt Ion:152 Resp: 147051

Ion Ratio Lower Upper

152 100

115 60.7 30.3 90.9

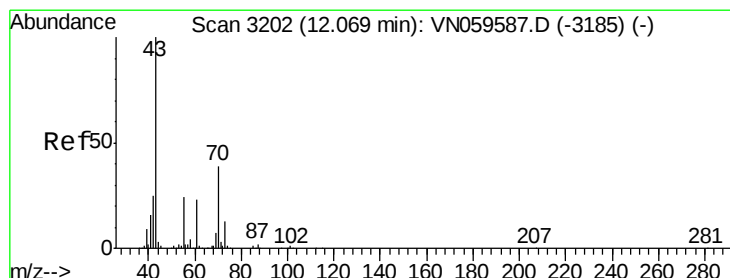
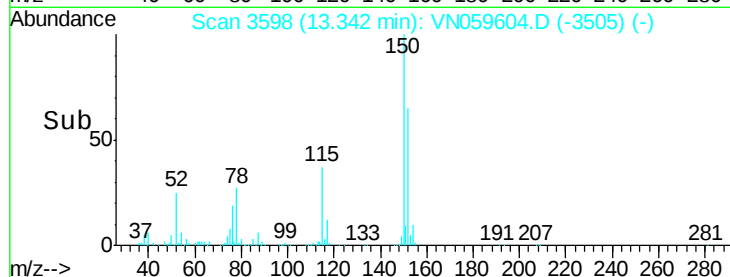
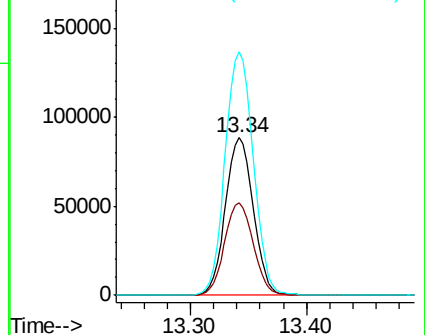
150 156.1 0.0 345.2



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: 0.518 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Tgt Ion: 43 Resp: 2743

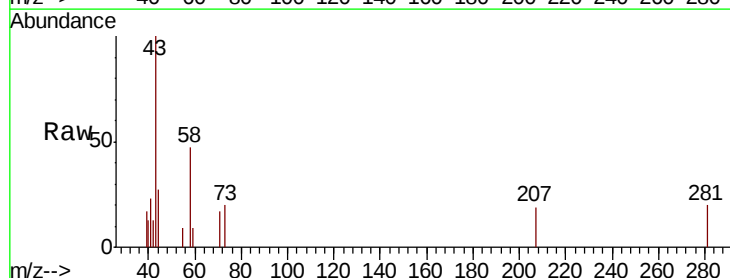
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 2.2 19.8 29.6#

61 0.0 18.3 27.5#

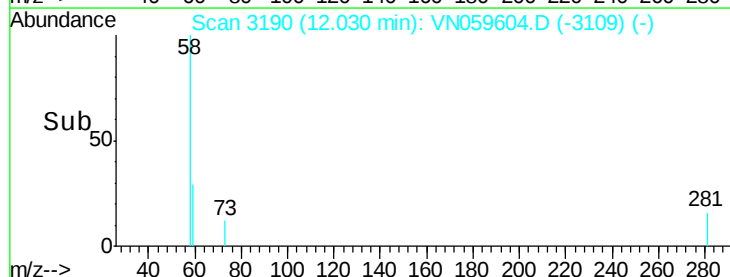
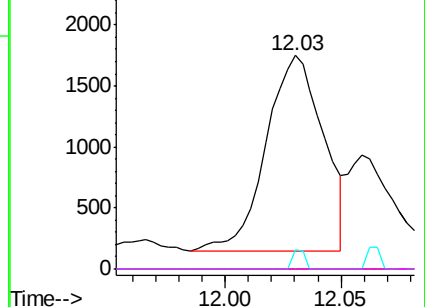


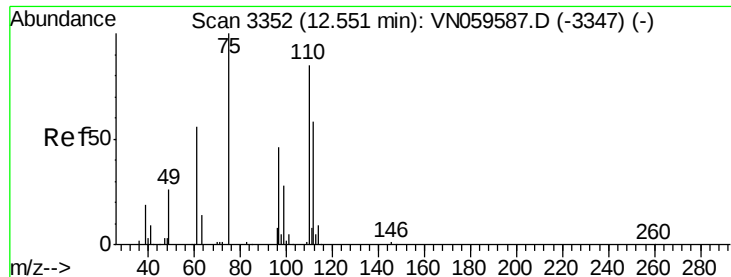
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 25.028 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

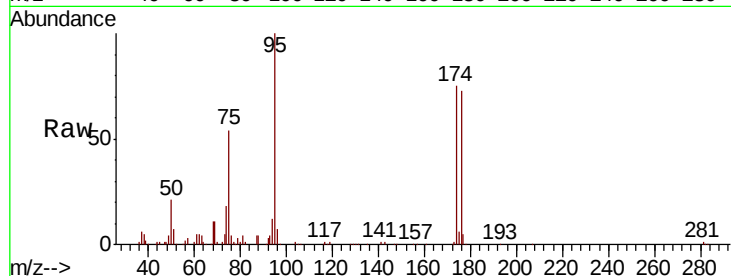
HD-02-121219

Tgt Ion: 75 Resp: 91111

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

50000

40000

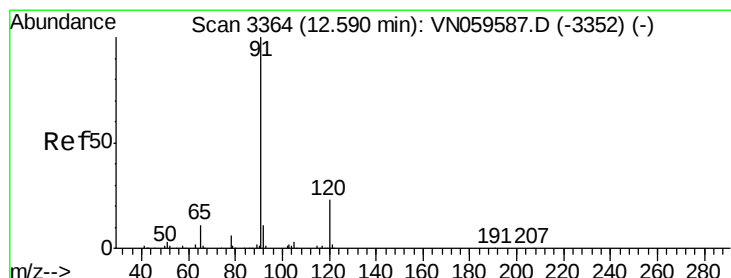
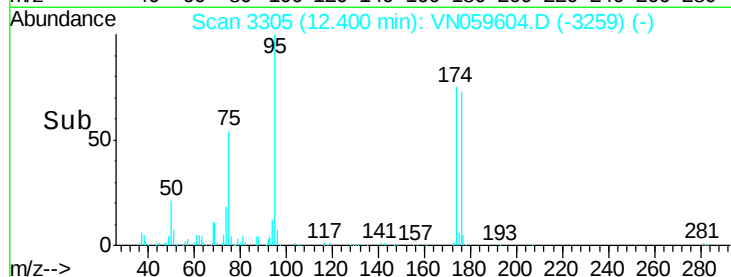
30000

20000

10000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.421 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059604.D

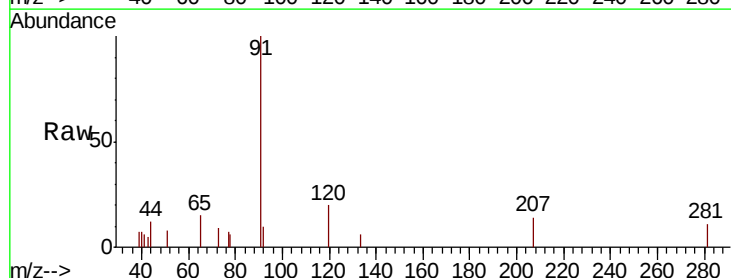
Acq: 16 Dec 2019 15:55

Tgt Ion: 91 Resp: 5739

Ion Ratio Lower Upper

91 100

120 20.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

4000

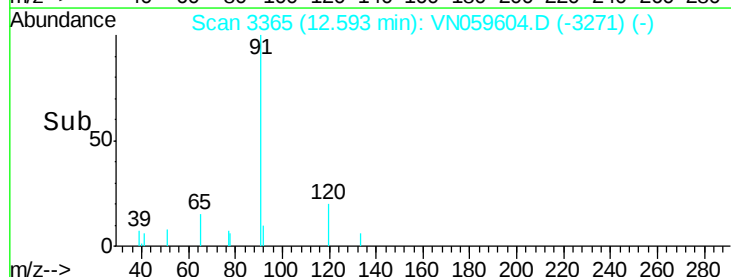
3000

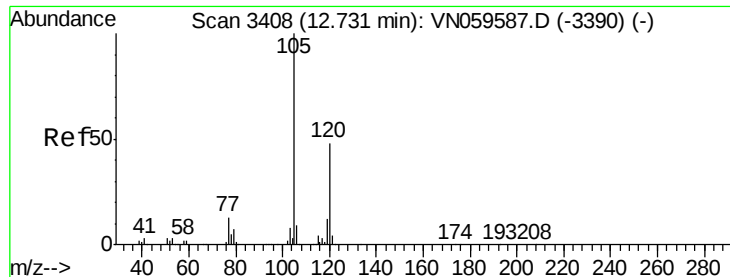
2000

1000

0

Time--> 12.55 12.60





#80

1,3,5-Trimethylbenzene

Concen: 1.086 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

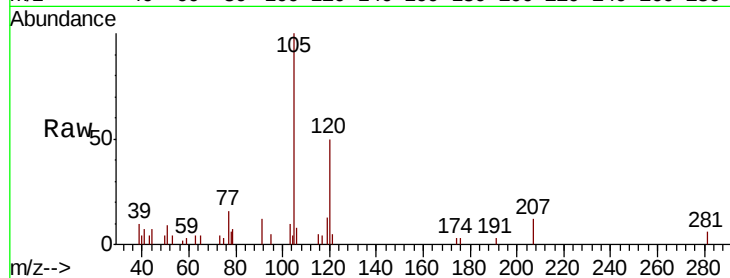
HD-02-121219

Tgt Ion: 105 Resp: 10613

Ion Ratio Lower Upper

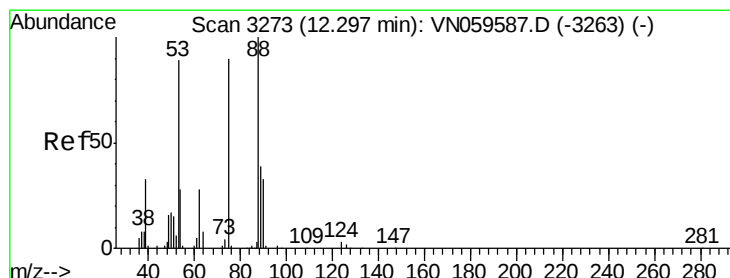
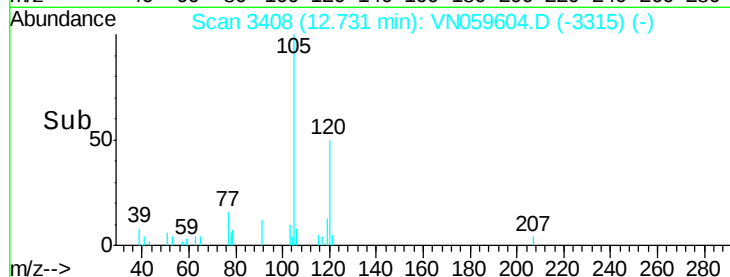
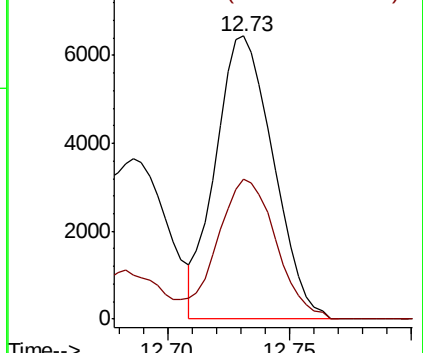
105 100

120 50.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 61.817 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

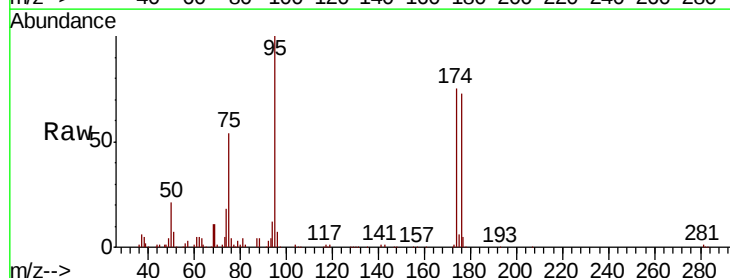
Tgt Ion: 75 Resp: 91111

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

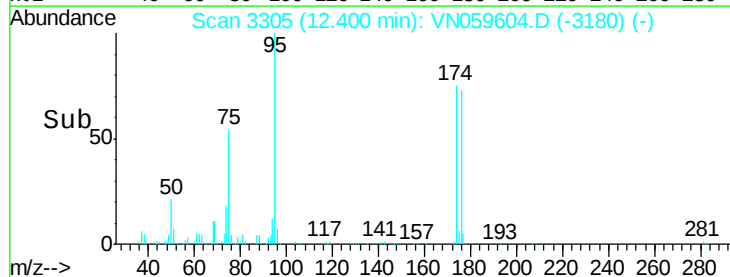
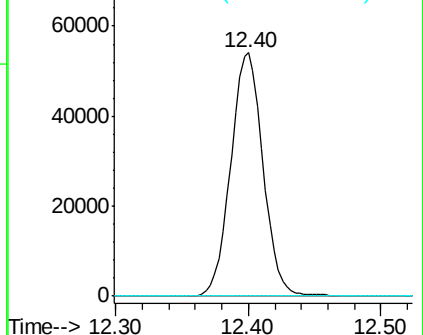
89 0.0 35.4 53.2#

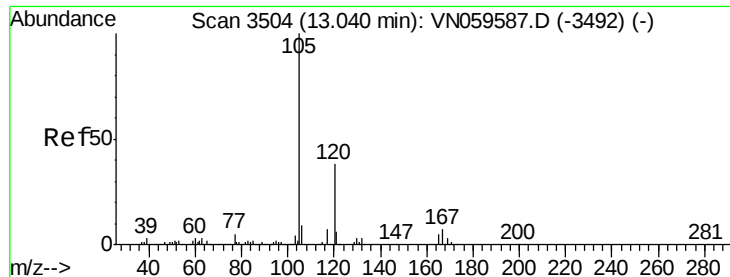


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 2.797 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

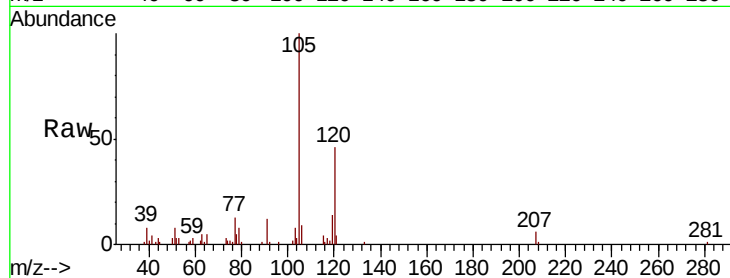
HD-02-121219

Tgt Ion:105 Resp: 27164

Ion Ratio Lower Upper

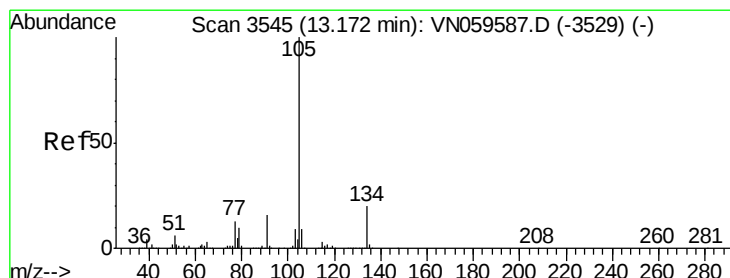
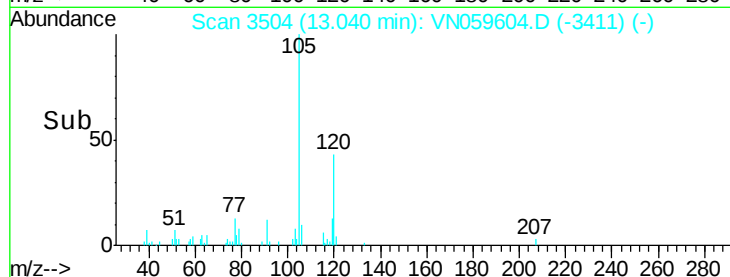
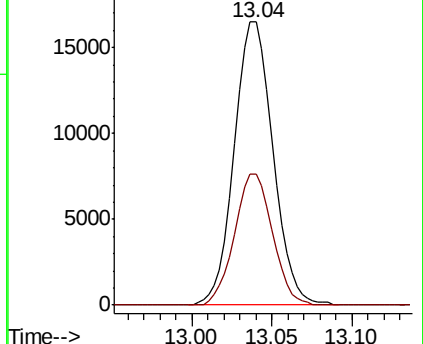
105 100

120 45.3 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: 0.316 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059604.D

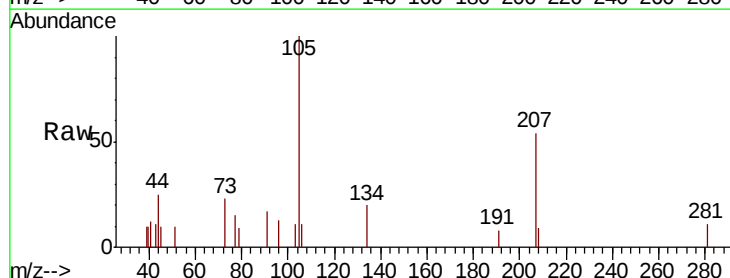
Acq: 16 Dec 2019 15:55

Tgt Ion:105 Resp: 3478

Ion Ratio Lower Upper

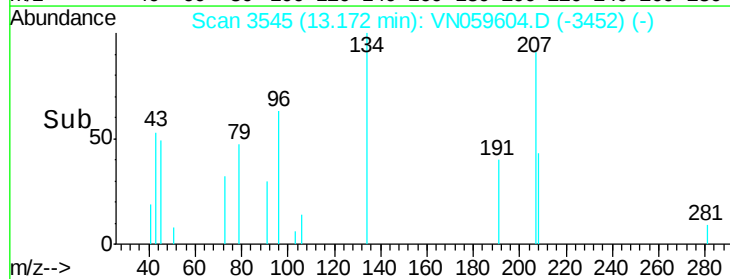
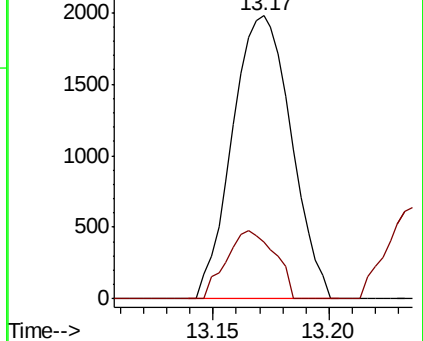
105 100

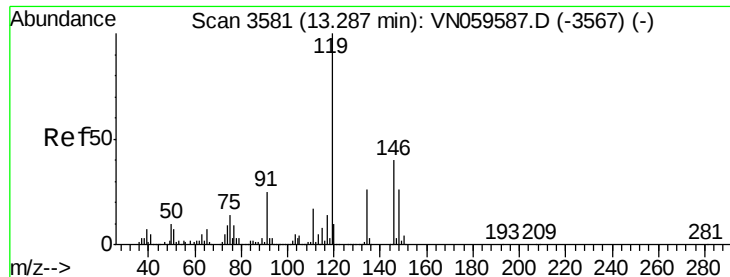
134 19.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

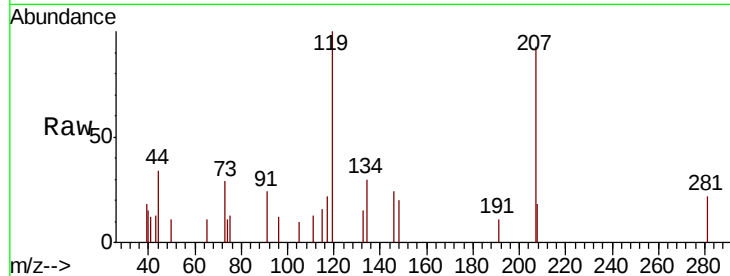




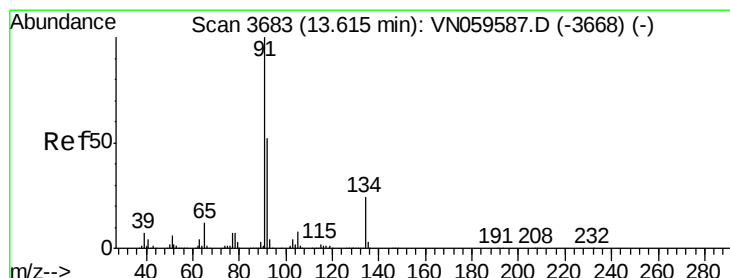
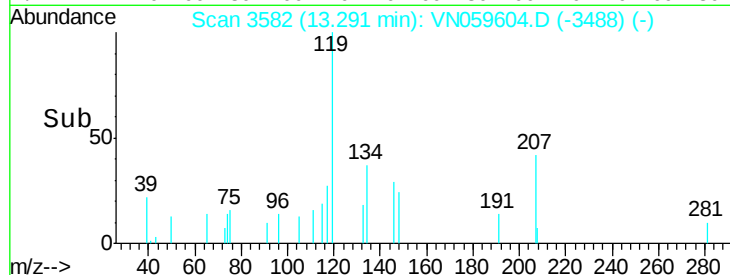
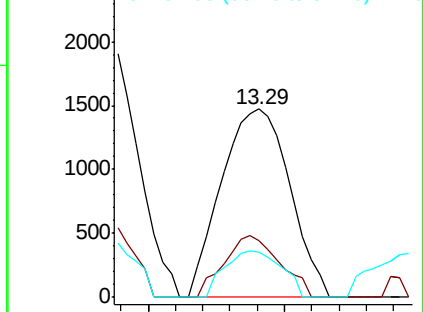
#86
p-Isopropyltoluene
Concen: 0.257 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Instrument :
MSVOA_N
ClientSampled :
HD-02-121219

Tgt Ion: 119 Resp: 2562
Ion Ratio Lower Upper
119 100
134 26.7 12.9 38.7
91 20.5 12.4 37.4

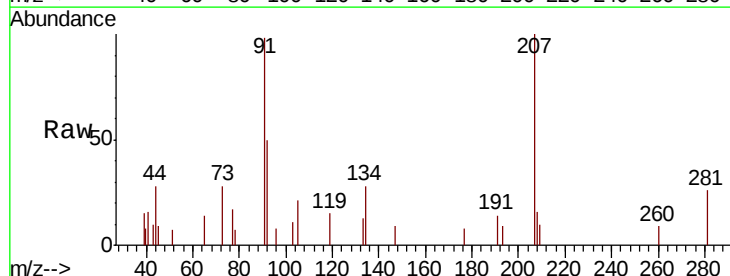


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

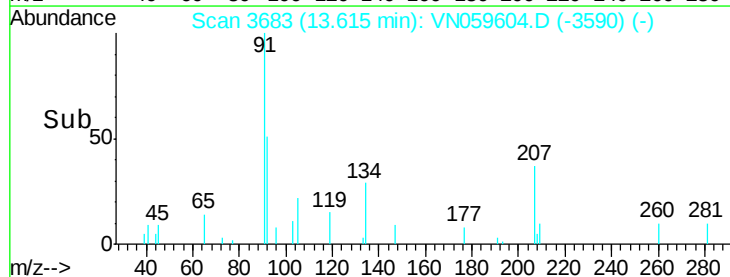
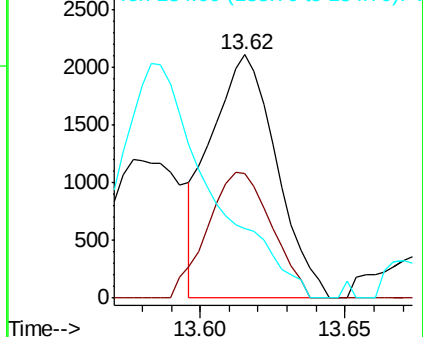


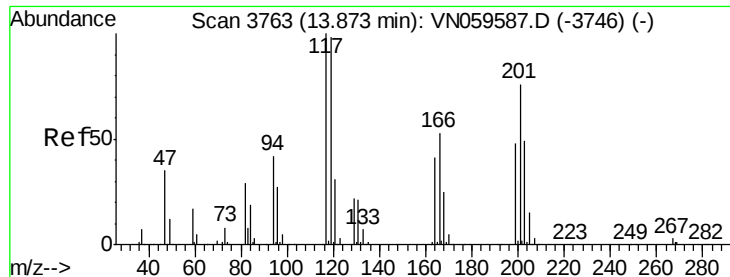
#89
n-Butylbenzene
Concen: 0.356 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059604.D
Acq: 16 Dec 2019 15:55

Tgt Ion: 91 Resp: 3331
Ion Ratio Lower Upper
91 100
92 50.5 25.9 77.7
134 0.0 12.3 36.8#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.634 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Instrument :

MSVOA_N

ClientSampled :

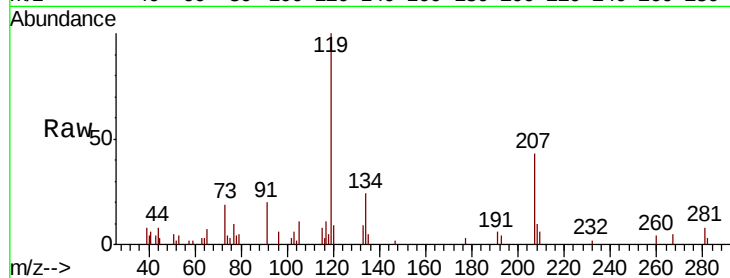
HD-02-121219

Tgt Ion: 117 Resp: 1195

Ion Ratio Lower Upper

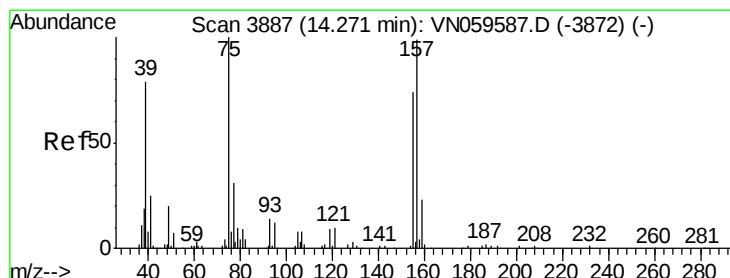
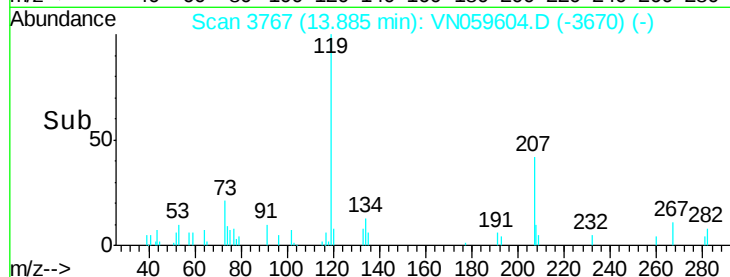
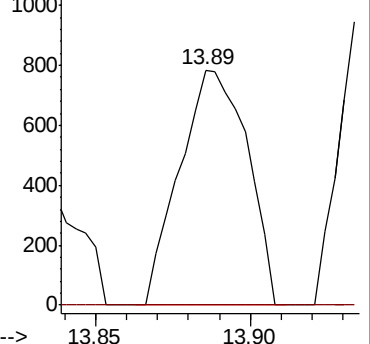
117 100

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: 1.931 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

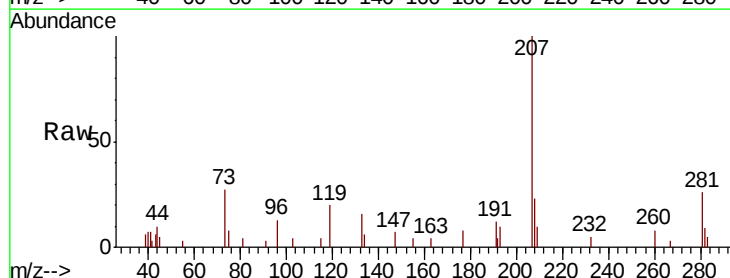
Tgt Ion: 75 Resp: 326

Ion Ratio Lower Upper

75 100

155 20.9 37.0 110.9#

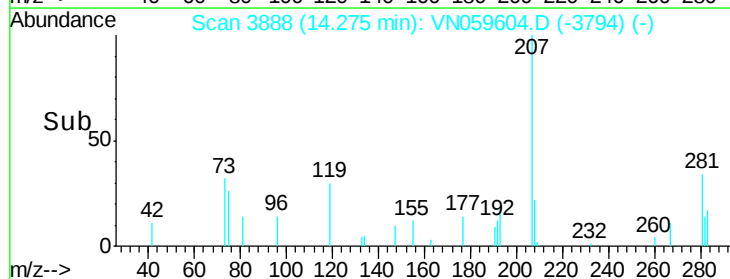
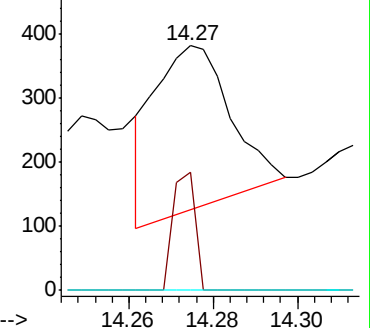
157 0.0 48.4 145.2#

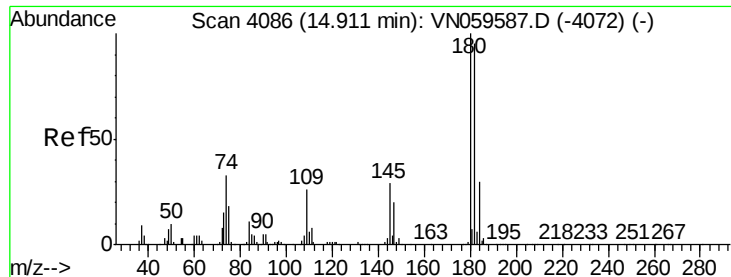


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

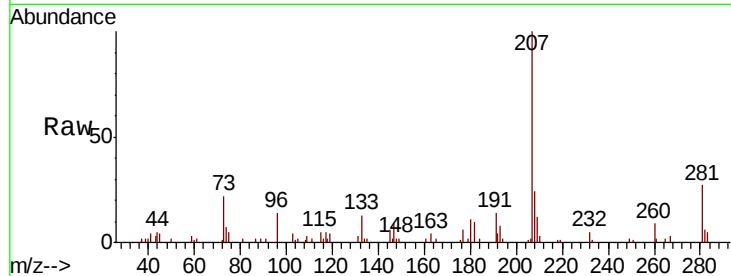




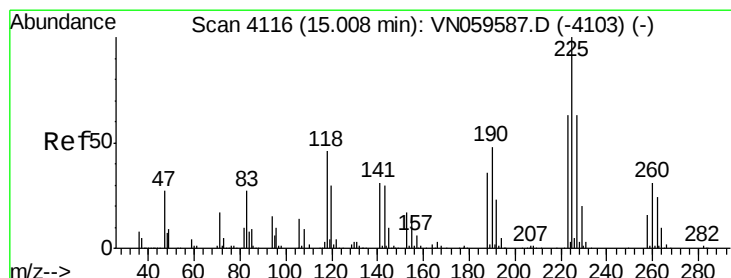
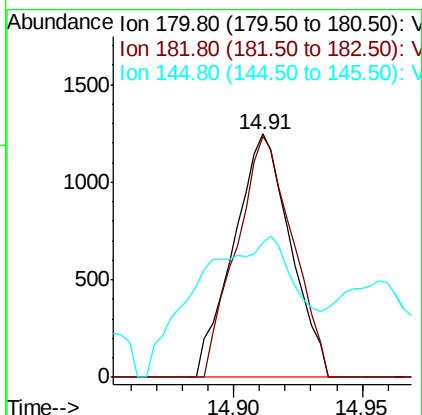
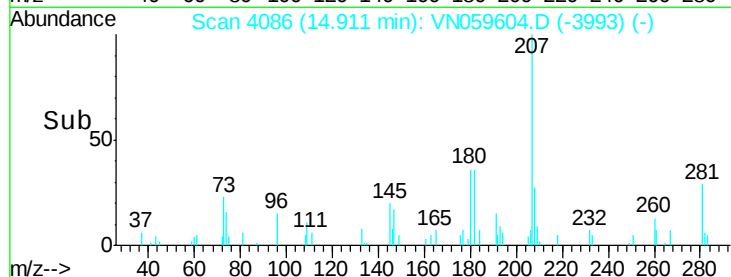
#93
 1,2,4-Trichlorobenzene
 Concen: 0.576 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059604.D
 Acq: 16 Dec 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-121219

Tgt Ion:180 Resp: 1916
 Ion Ratio Lower Upper
 180 100
 182 97.9 46.9 140.7
 145 104.3 15.0 45.1#

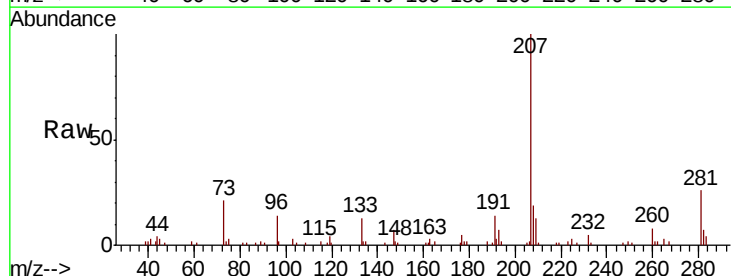


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

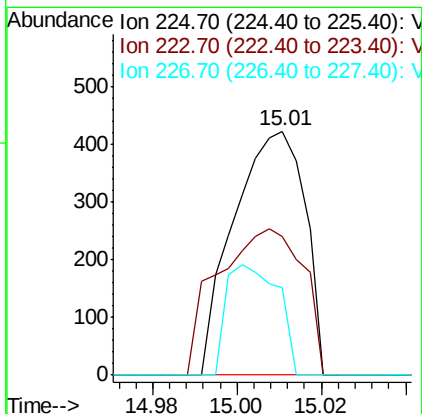
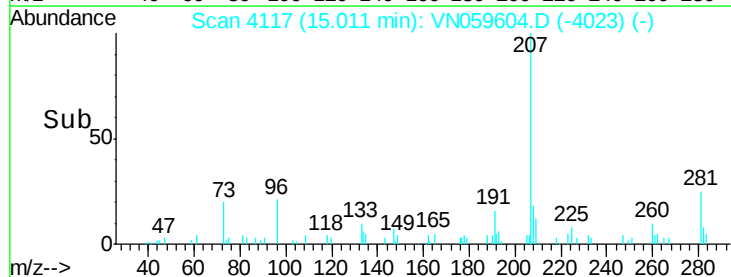


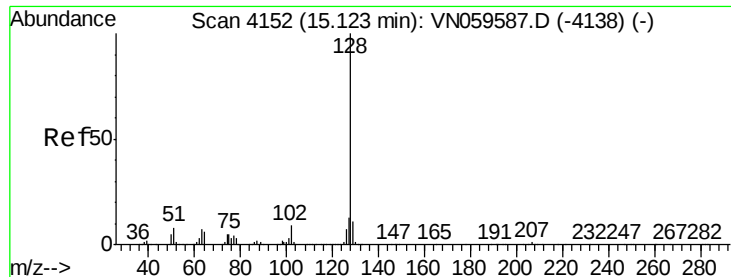
#94
 Hexachlorobutadiene
 Concen: 1.933 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059604.D
 Acq: 16 Dec 2019 15:55

Tgt Ion:225 Resp: 495
 Ion Ratio Lower Upper
 225 100
 223 72.1 31.8 95.3
 227 33.3 32.1 96.5



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: 1.896 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

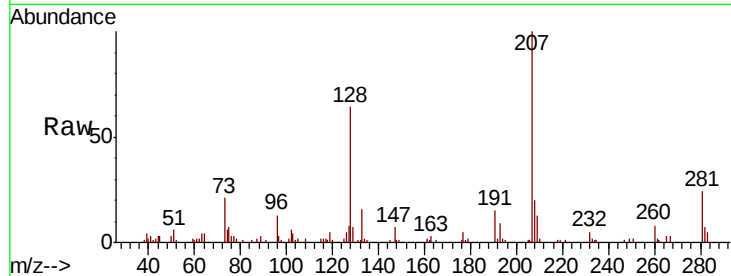
Instrument :

MSVOA_N

ClientSampleId :

HD-02-121219

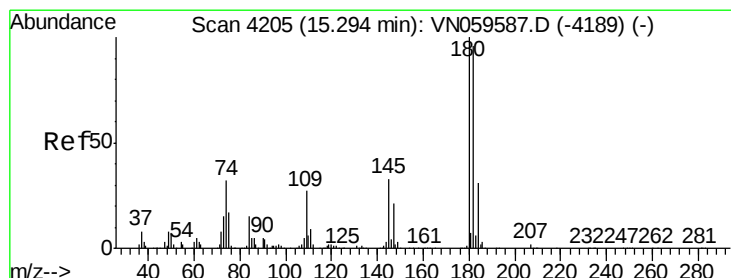
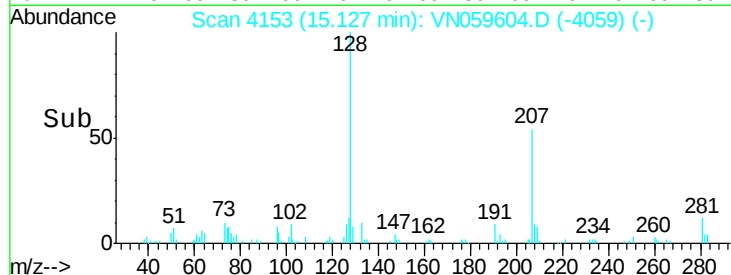
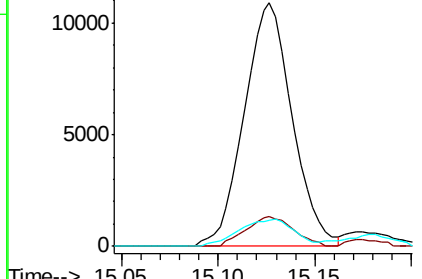
Tgt Ion:	128	Resp:	18819
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.4	15.6
129	12.8	8.6	12.8



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: 0.824 ug/l

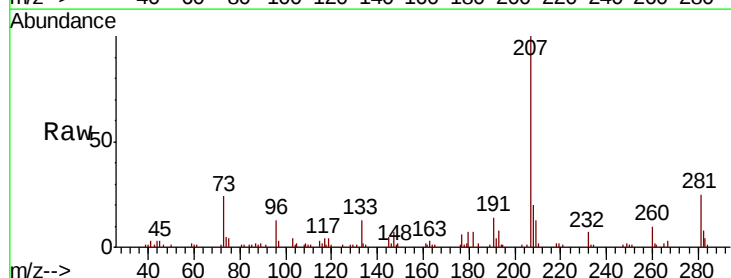
RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN059604.D

Acq: 16 Dec 2019 15:55

Tgt Ion:	180	Resp:	2770
Ion	Ratio	Lower	Upper
180	100		
182	79.7	47.4	142.3
145	110.3	16.3	48.9#



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

