

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059608.D
 Acq On : 16 Dec 2019 17:23
 Operator : JC/SP
 Sample : K6294-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Dec 17 04:53:00 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	251671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	402283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	367836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149940	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	177802	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	7.57	113	126004	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	10.08	98	506097	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	172025	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	176	0.262	ug/l #	72
14) Allyl chloride	4.52	41	9016	1.664	ug/l #	23
16) Acetone	3.79	43	14906	6.856	ug/l	93
17) Carbon Disulfide	4.02	76	1471	2.034	ug/l #	75
18) Methyl Acetate	4.30	43	3392	0.745	ug/l #	79
20) Methylene Chloride	4.52	84	227490	72.445	ug/l	98
25) 2-Butanone	6.81	43	7107	2.733	ug/l	97
29) Tetrahydrofuran	7.19	42	1281	0.809	ug/l #	50
31) Cyclohexane	7.64	56	5895	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	20514	4.890	ug/l #	50
37) Ethyl Acetate	6.81	43	7107	1.458	ug/l #	69
38) Carbon Tetrachloride	7.64	117	25109	5.768	ug/l #	16
41) Methacrylonitrile	7.19	41	593	0.295	ug/l #	100
43) Isopropyl Acetate	8.15	43	74171	9.784	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1561	0.472	ug/l #	44
48) Methyl methacrylate	9.17	41	4549	1.323	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	6769	1.498	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	28538	5.428	ug/l #	66
56) Ethyl methacrylate	10.54	69	996	0.227	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5244	1.019	ug/l #	42
59) 2-Hexanone	10.76	43	78994	22.175	ug/l #	53
71) Bromoform	12.40	173	549	0.242	ug/l #	1
74) N-ethyl acetate	12.03	43	3268	0.605	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	91550	24.664	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2925	0.294	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	91550	60.918	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	3849	0.389	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.26	75	279	1.882	ug/l #	6
95) Naphthalene	15.13	128	8078	0.798	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

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MSVOA_N

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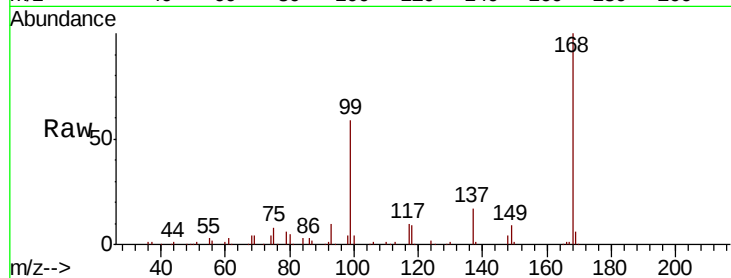
TP-1

Tgt Ion:168 Resp: 251671

Ion Ratio Lower Upper

168 100

99 58.8 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

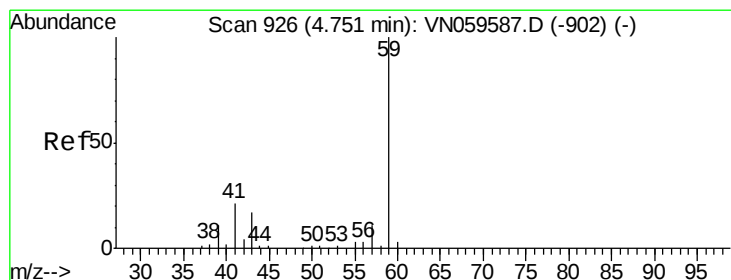
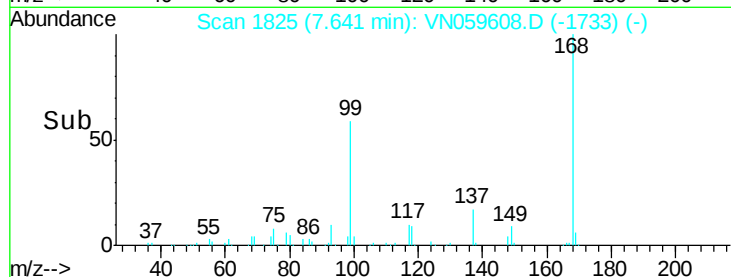
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.262 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.03 min

Lab File: VN059608.D

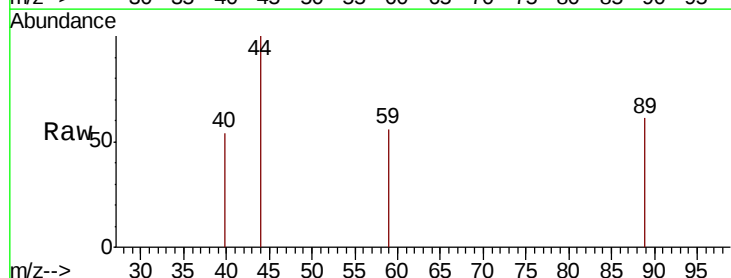
Acq: 16 Dec 2019 17:23

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059587.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN059587.D (-902) (-)

4.72

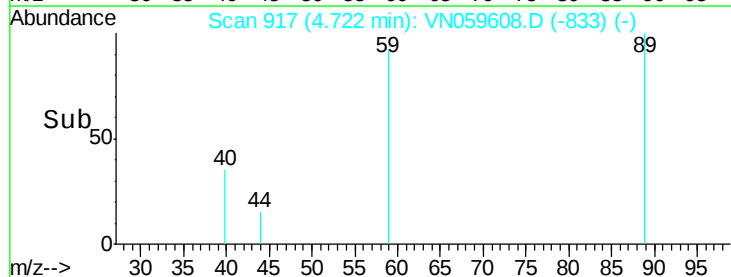
300

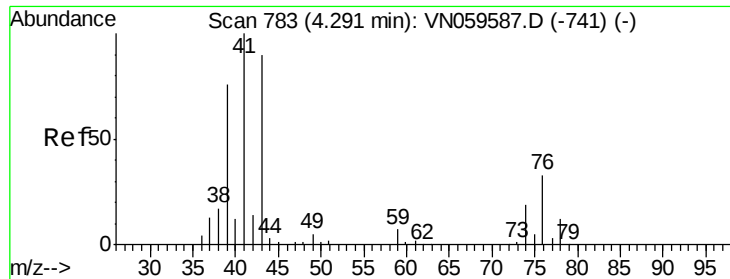
200

100

0

Time-->

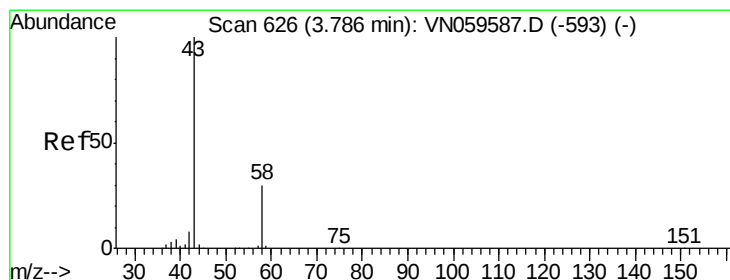
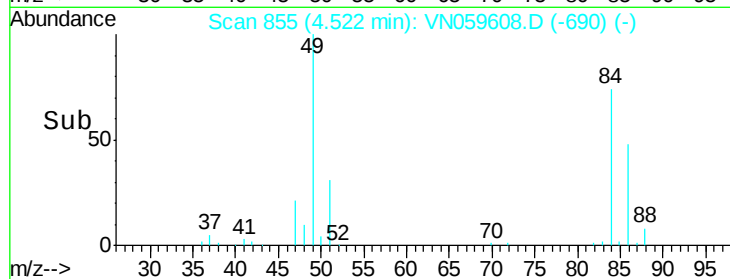
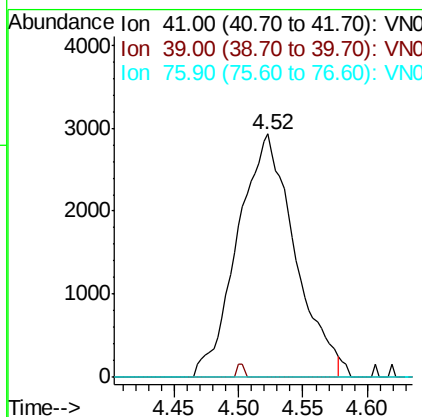
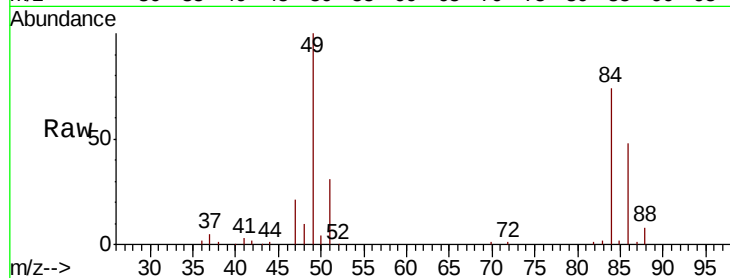




#14
 Allyl chloride
 Concen: 1.664 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.23 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

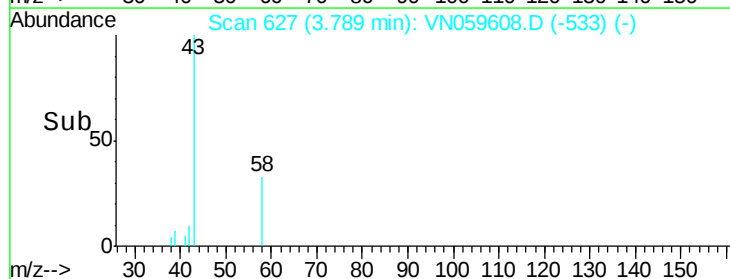
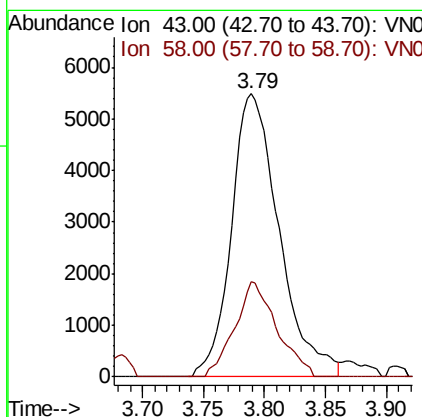
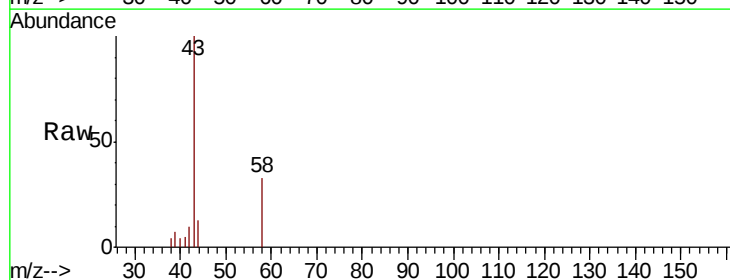
Instrument :
 MSVOA_N
 ClientSampleId :
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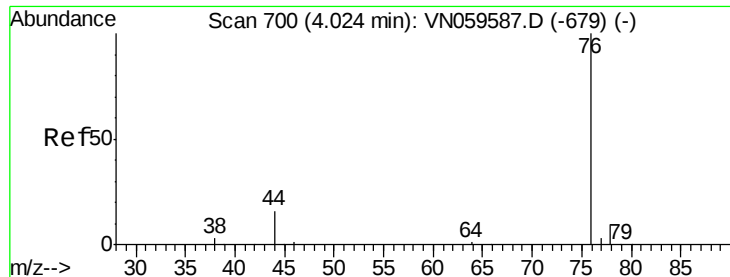
Tgt Ion: 41 Resp: 9016
 Ion Ratio Lower Upper
 41 100
 39 0.7 57.8 86.8#
 76 0.0 25.4 38.0#



#16
 Acetone
 Concen: 6.856 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

Tgt Ion: 43 Resp: 14906
 Ion Ratio Lower Upper
 43 100
 58 33.4 23.6 35.4

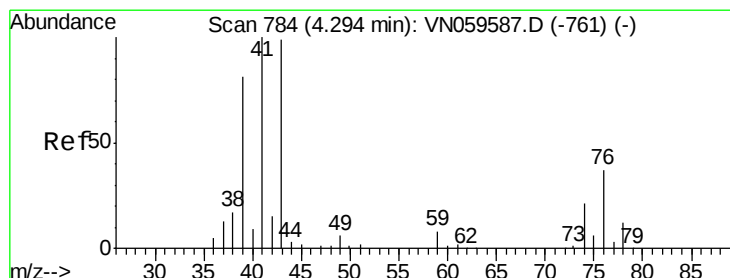
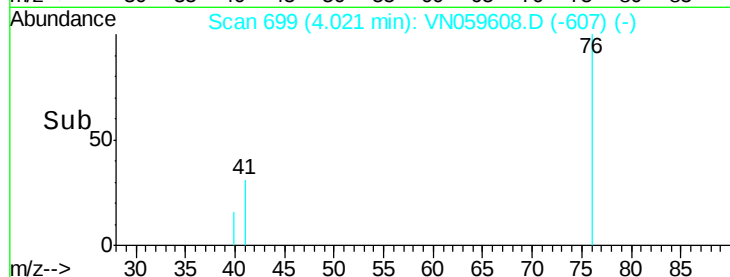
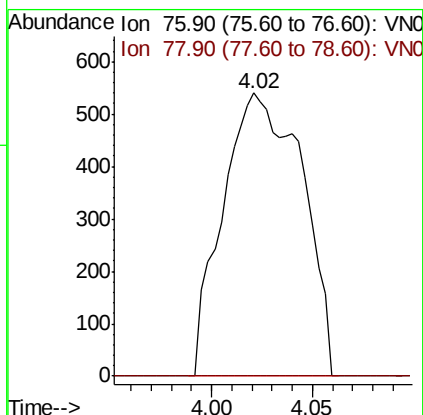
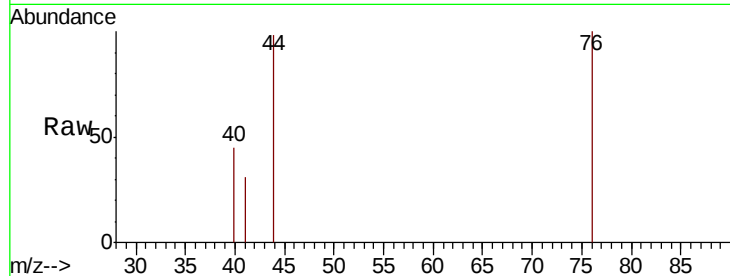




#17
Carbon Disulfide
Concen: 2.034 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.00 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

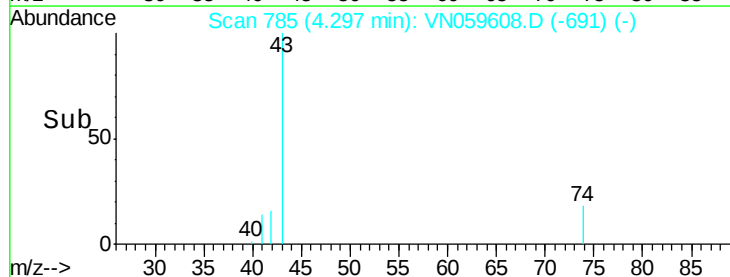
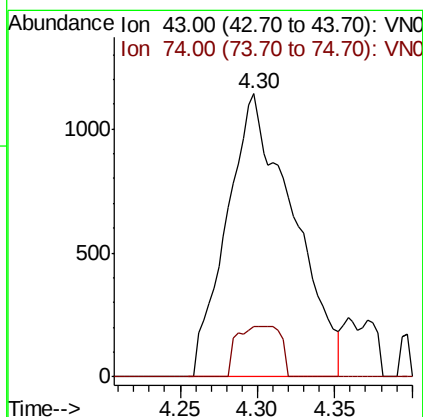
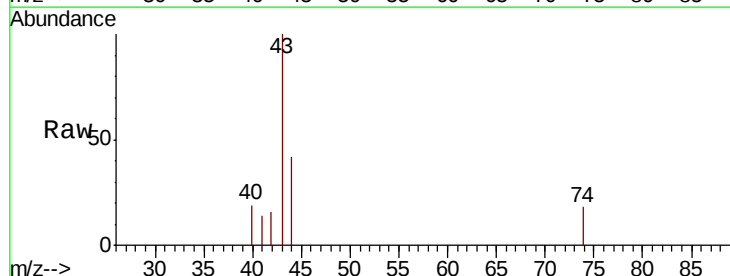
Instrument :
MSVOA_N
ClientSampled :
TP-1

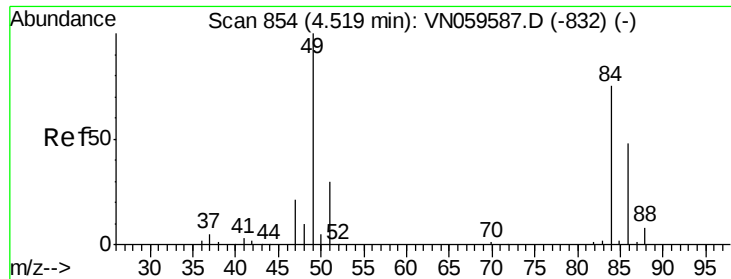
Tgt Ion: 76 Resp: 1471
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.745 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Tgt Ion: 43 Resp: 3392
Ion Ratio Lower Upper
43 100
74 11.7 17.5 26.3#

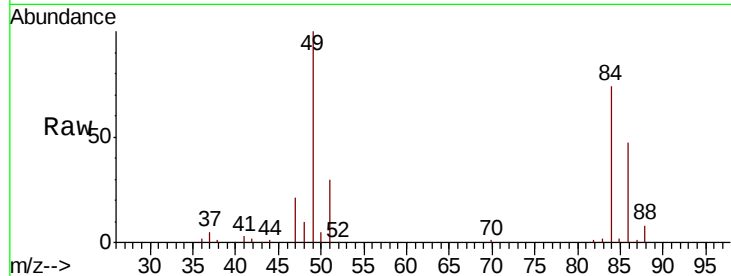




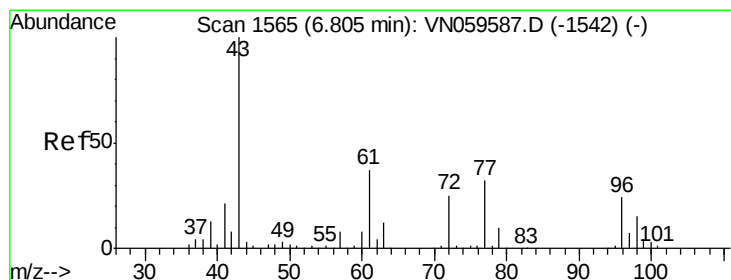
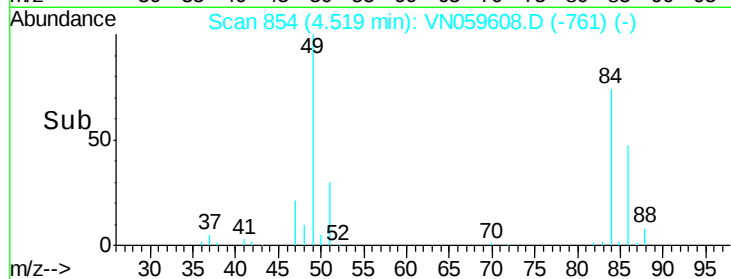
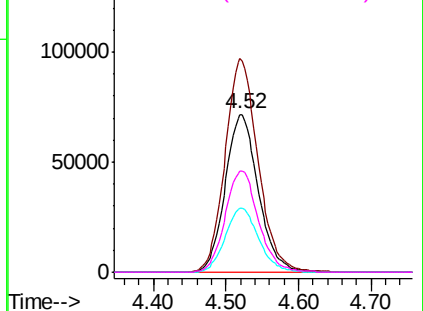
#20
Methylene Chloride
Concen: 72.445 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tgt Ion: 84 Resp: 227490
Ion Ratio Lower Upper
84 100
49 135.6 106.6 160.0
51 41.0 31.9 47.9
86 63.9 50.8 76.2

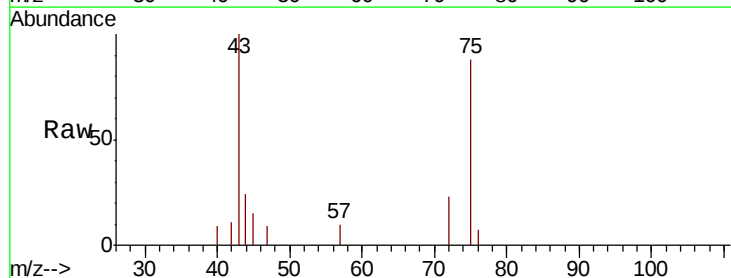


Abundance Ion 83.90 (83.60 to 84.60): VN0
150000 Ion 48.90 (48.60 to 49.60): VN0
100000 Ion 50.90 (50.60 to 51.60): VN0
50000 Ion 85.90 (85.60 to 86.60): VN0
0

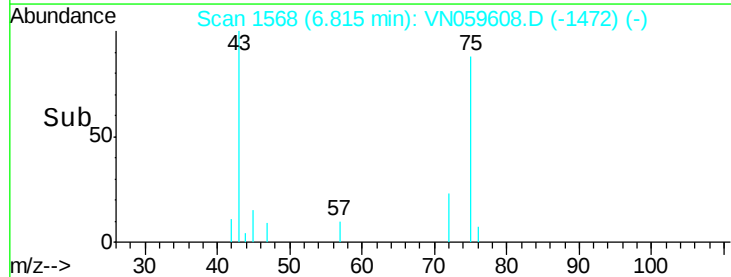
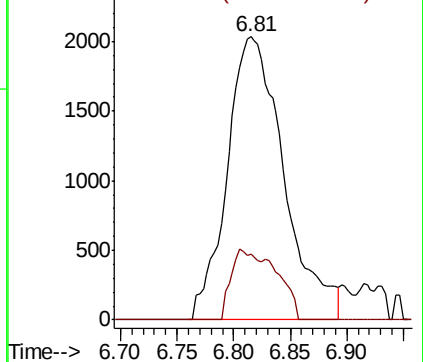


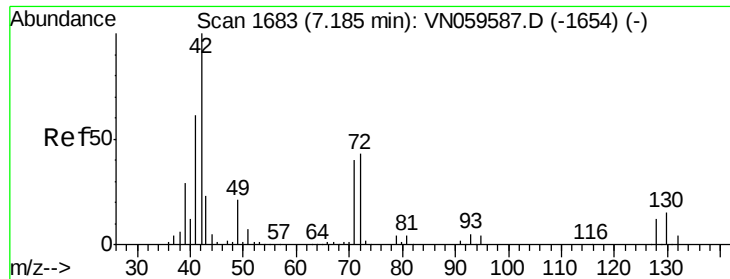
#25
2-Butanone
Concen: 2.733 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Tgt Ion: 43 Resp: 7107
Ion Ratio Lower Upper
43 100
72 23.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
2000 Ion 72.00 (71.70 to 72.70): VN0
1500
1000
500
0





#29

Tetrahydrofuran

Concen: 0.809 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

TP-1

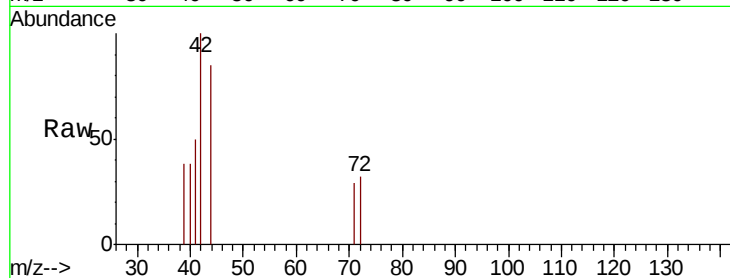
Tgt Ion: 42 Resp: 1281

Ion Ratio Lower Upper

42 100

72 10.4 33.1 49.7#

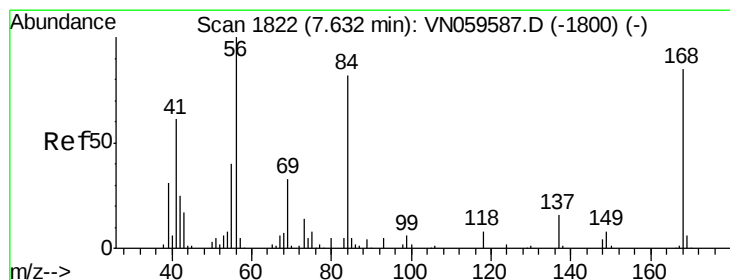
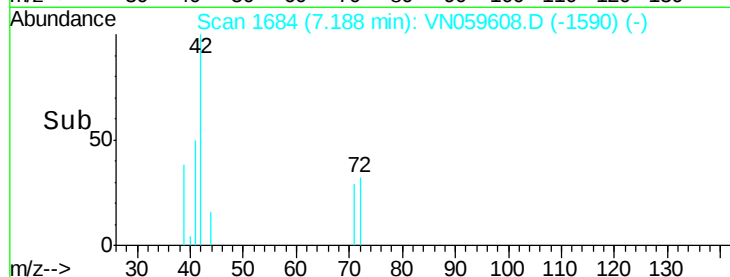
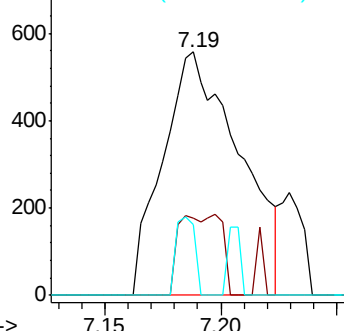
71 7.7 31.4 47.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

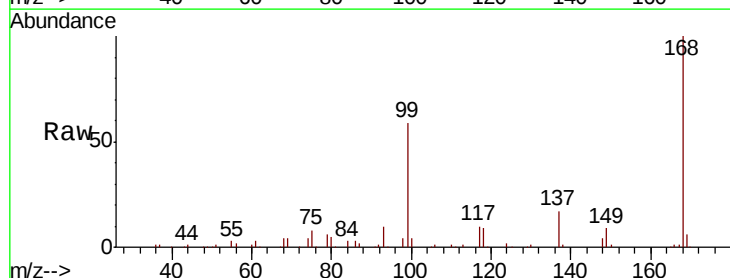
Tgt Ion: 56 Resp: 5895

Ion Ratio Lower Upper

56 100

69 174.2 26.5 39.7#

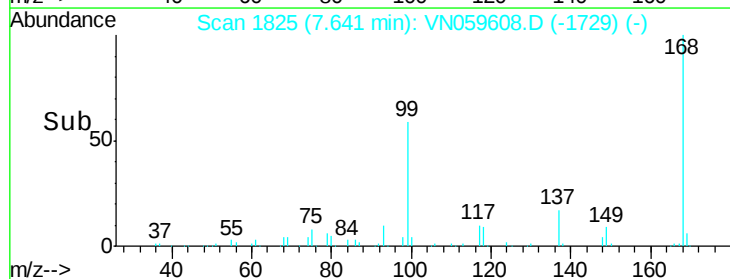
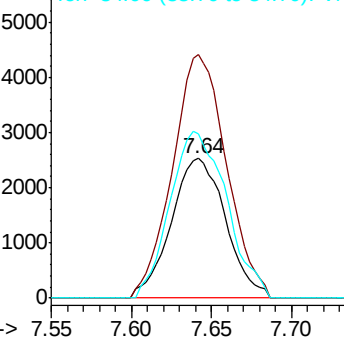
84 117.5 65.3 97.9#

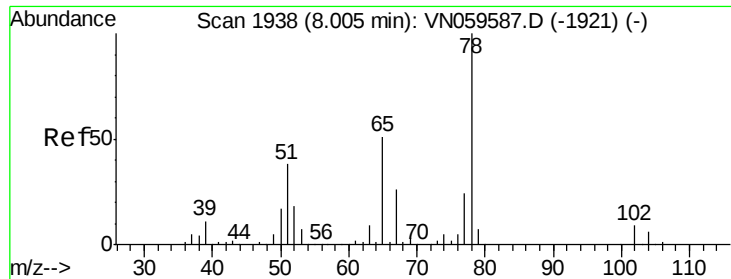


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

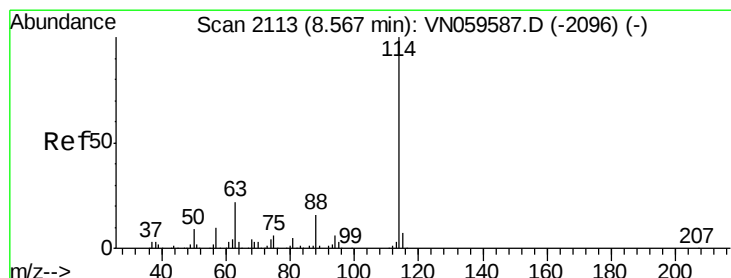
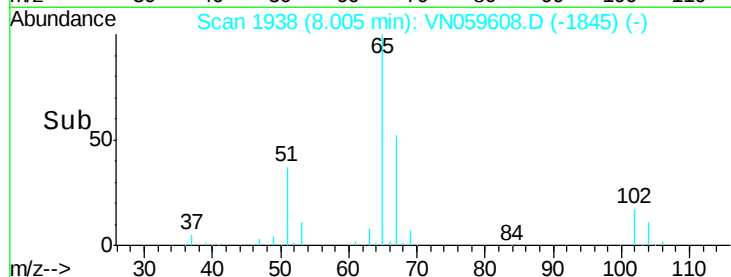
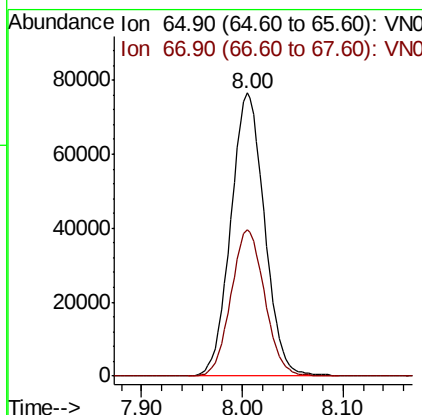
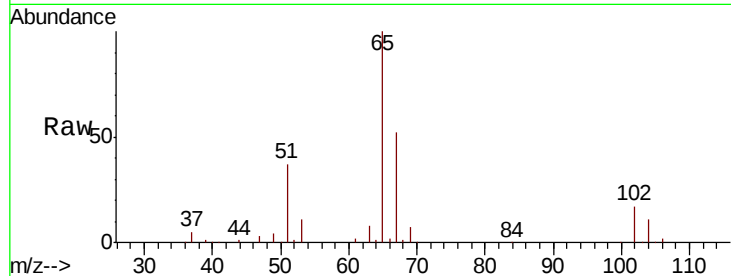




#33
 1,2-Dichloroethane-d4
 Concen: 48.551 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

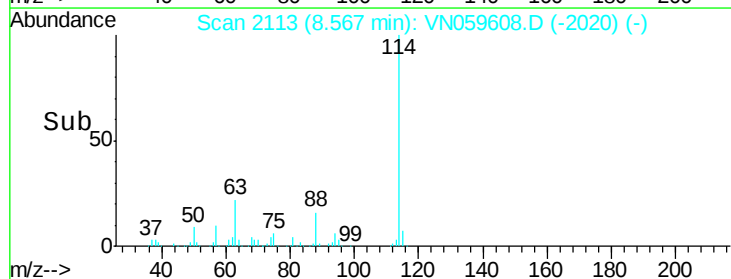
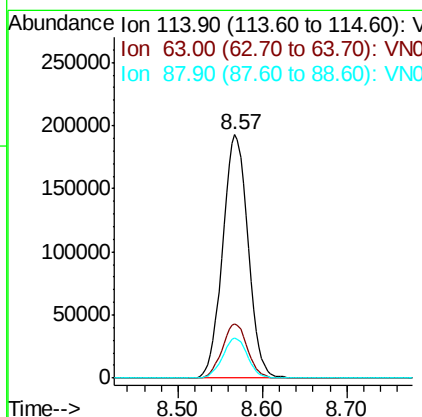
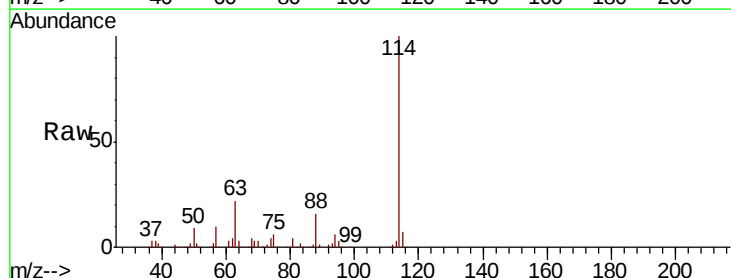
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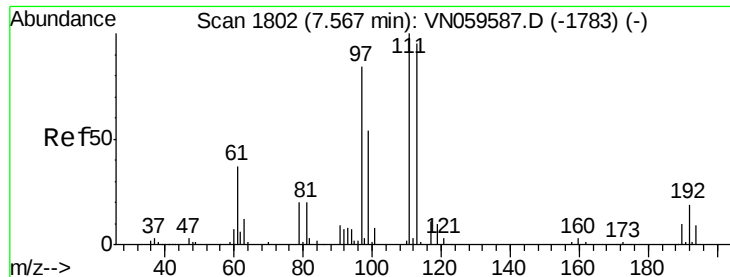
Tgt Ion: 65 Resp: 177802
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

Tgt Ion: 114 Resp: 402283
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.6
 88 16.4 0.0 31.4

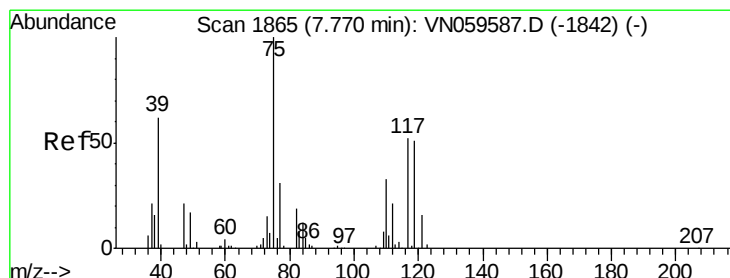
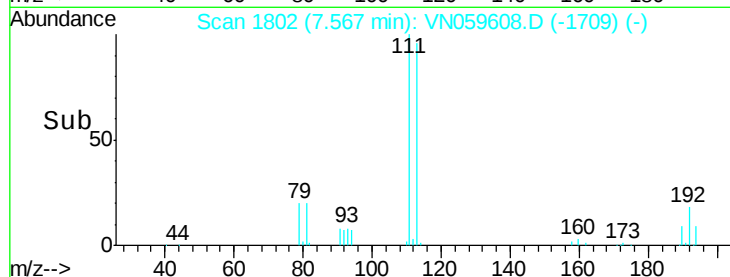
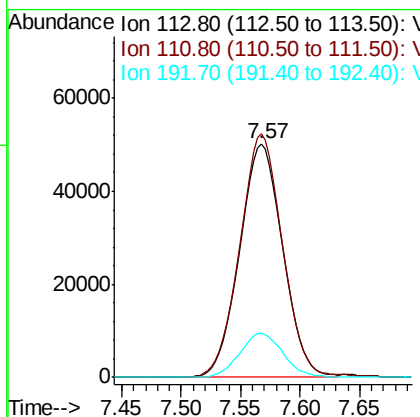
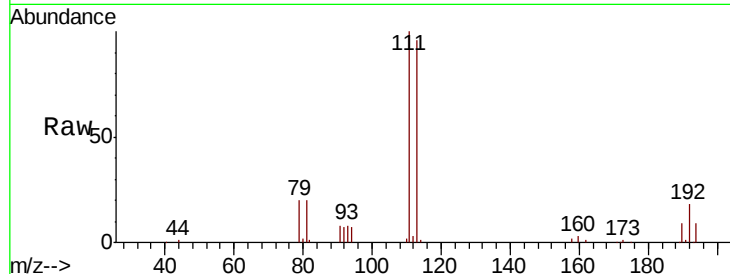




#35
 Dibromofluoromethane
 Concen: 50.061 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

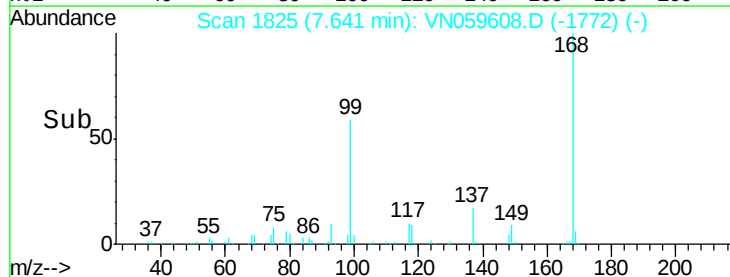
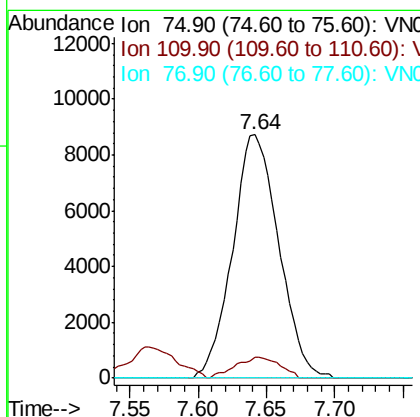
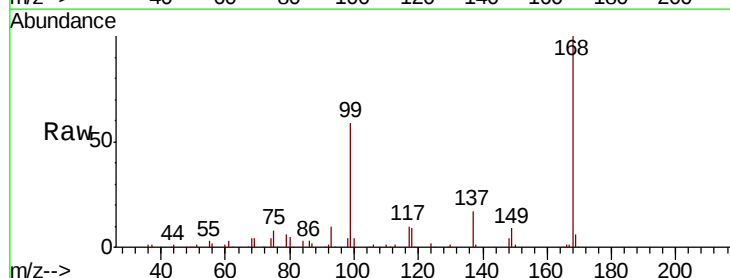
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

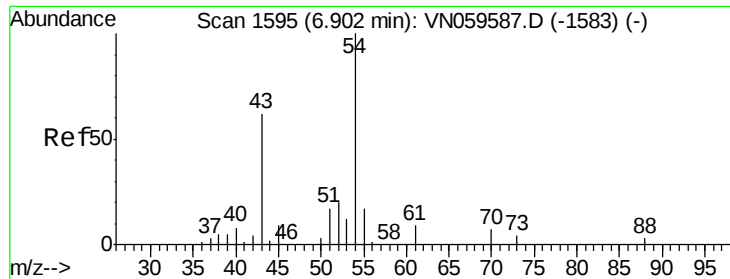
Tgt Ion: 113 Resp: 126004
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.5 125.3
 192 18.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

Tgt Ion: 75 Resp: 20514
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.6 49.7#
 77 0.0 25.1 37.7#

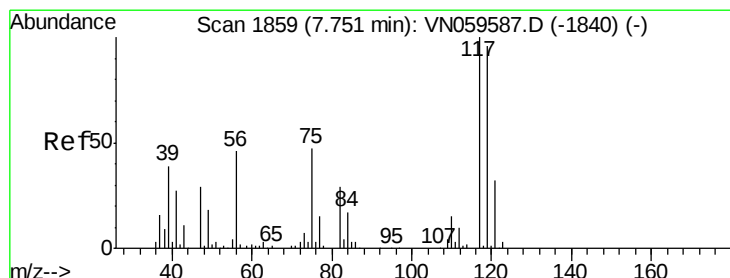
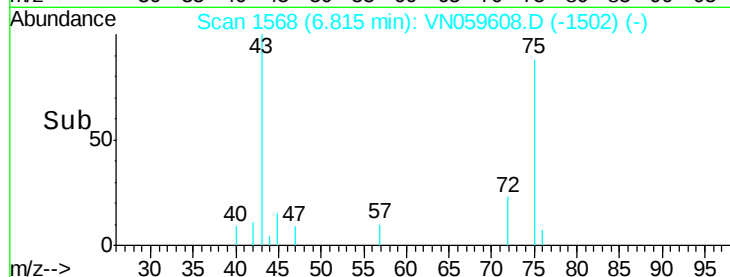
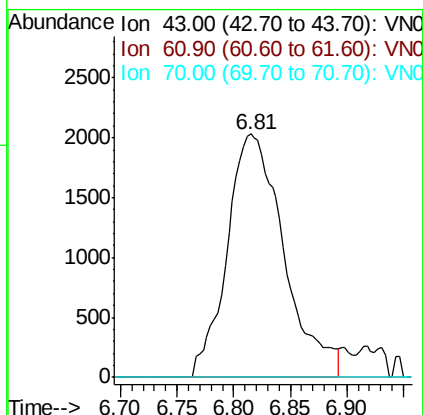
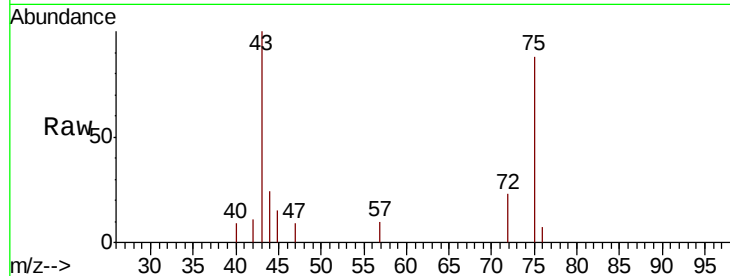




#37
Ethyl Acetate
Concen: 1.458 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.09 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

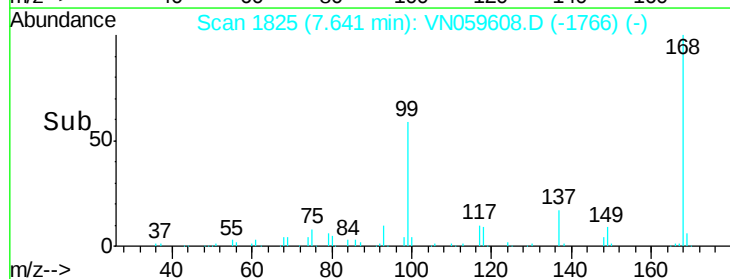
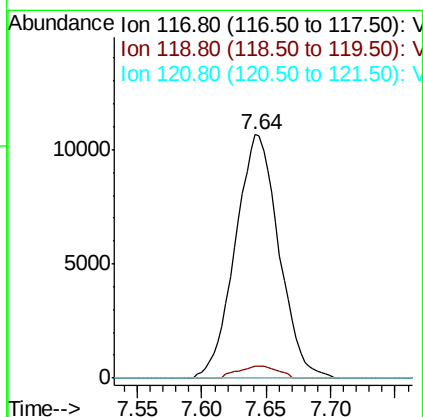
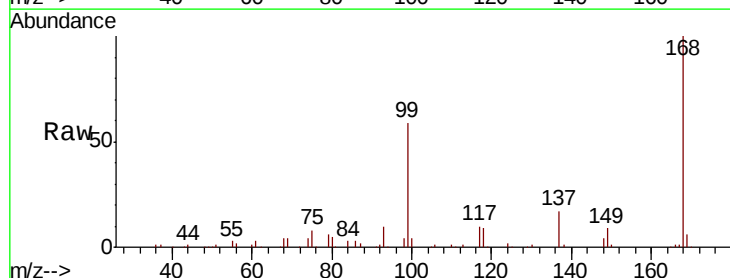
Instrument :
MSVOA_N
ClientSampled :
TP-1

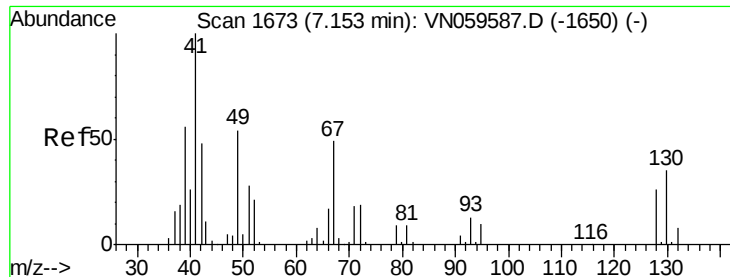
Tgt Ion: 43 Resp: 7107
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Tgt Ion: 117 Resp: 25109
Ion Ratio Lower Upper
117 100
119 5.0 76.5 114.7#
121 0.0 25.1 37.7#



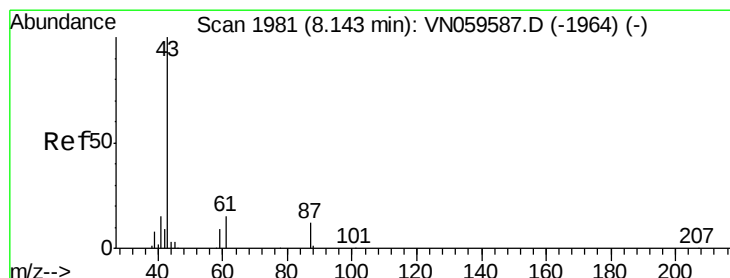
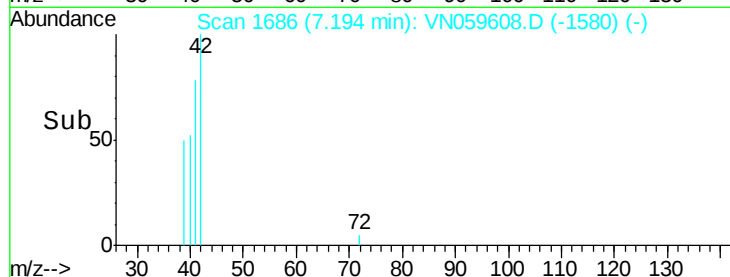
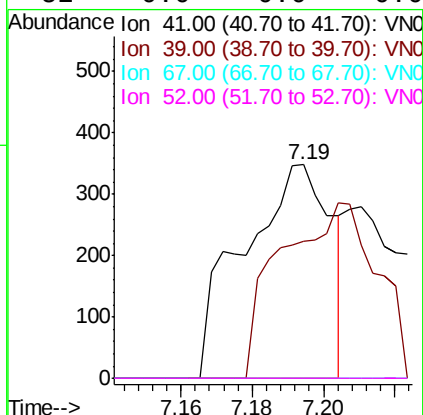
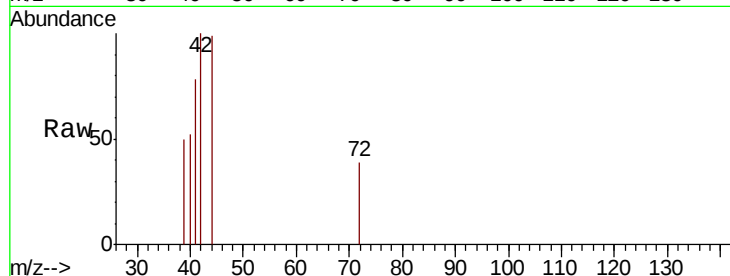


#41
Methacrylonitrile
Concen: 0.295 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tgt Ion: 41 Resp: 593

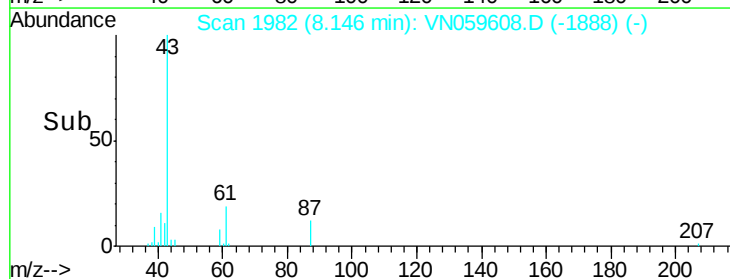
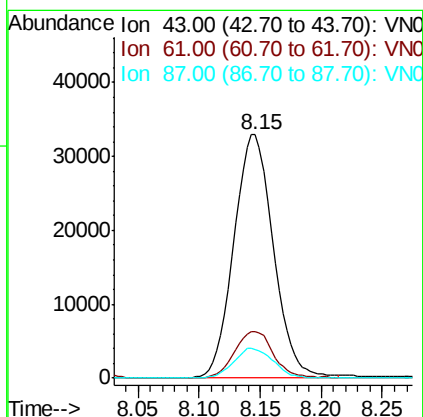
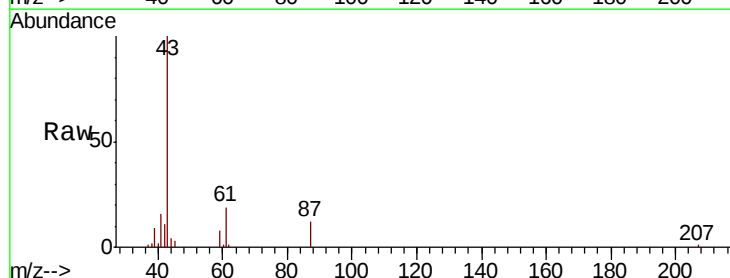
Ion	Ratio	Lower	Upper
41	100		
39	89.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

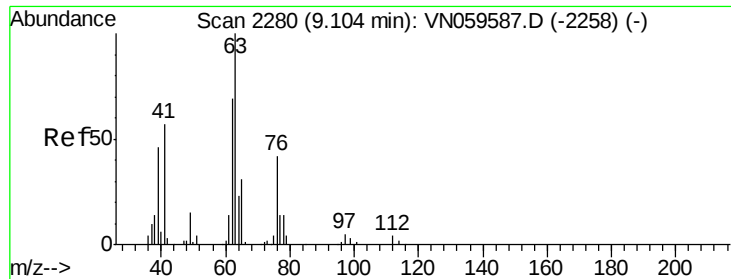


#43
Isopropyl Acetate
Concen: 9.784 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Tgt Ion: 43 Resp: 74171

Ion	Ratio	Lower	Upper
43	100		
61	18.7	20.2	30.2#
87	12.0	9.5	14.3





#45

1,2-Dichloropropane

Concen: 0.472 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

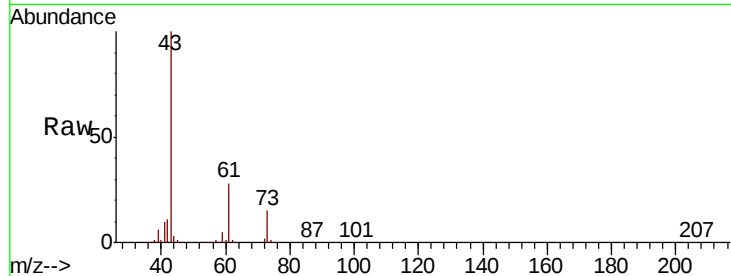
TP-1

Tgt Ion: 63 Resp: 1561

Ion Ratio Lower Upper

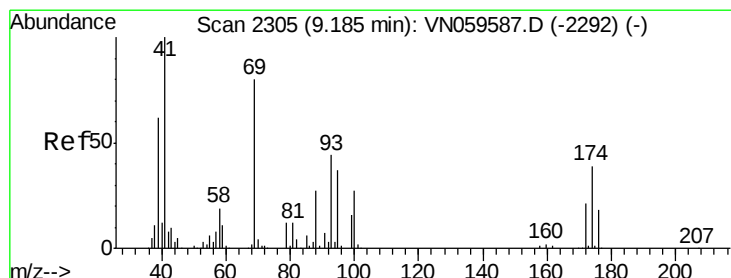
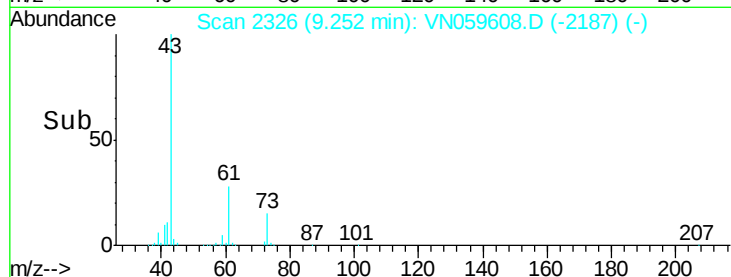
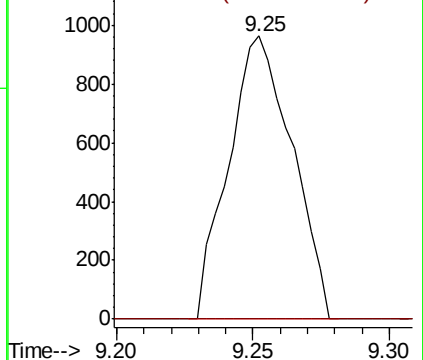
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.323 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

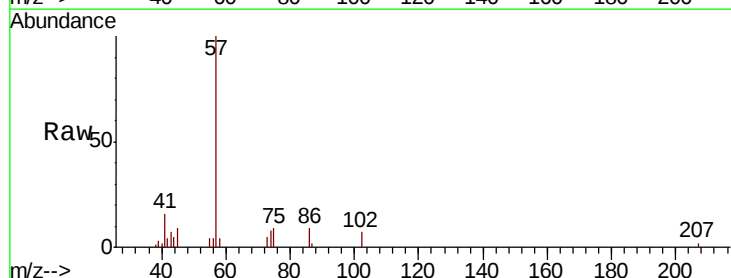
Tgt Ion: 41 Resp: 4549

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

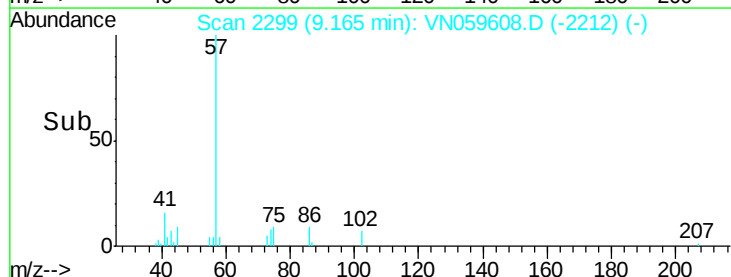
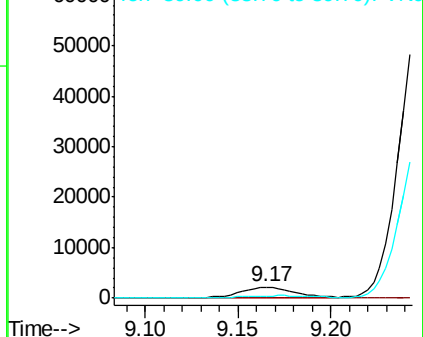
39 0.0 51.3 76.9#

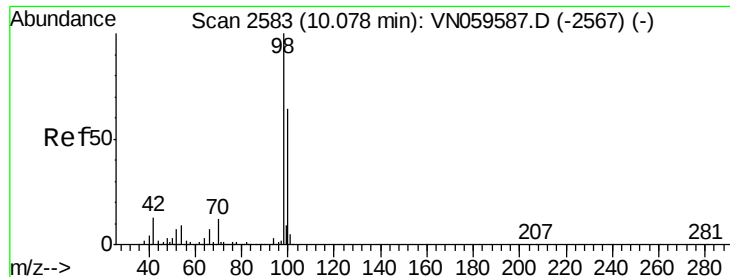


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 50.786 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

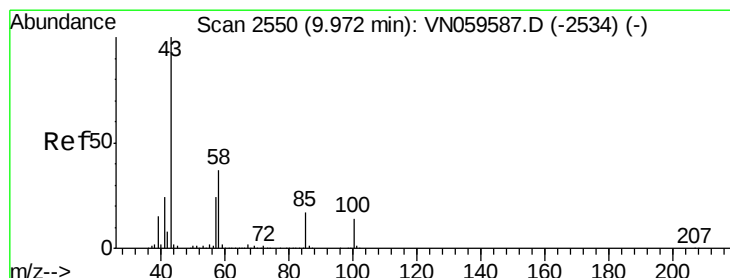
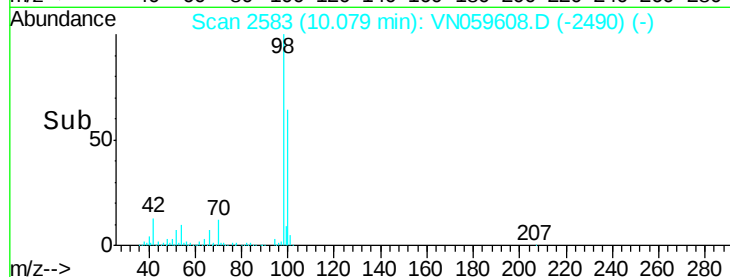
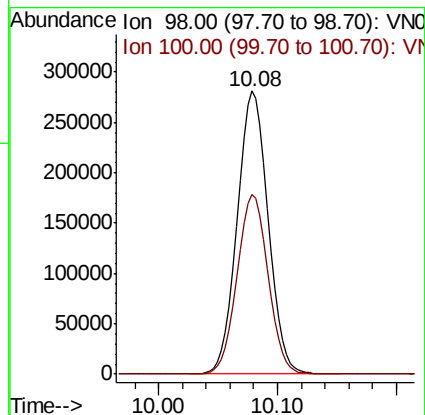
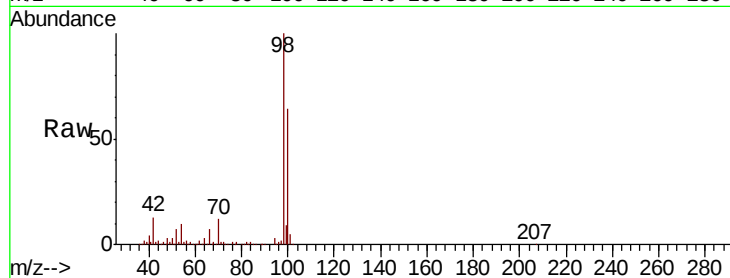
TP-1

Tgt Ion: 98 Resp: 506097

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.498 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059608.D

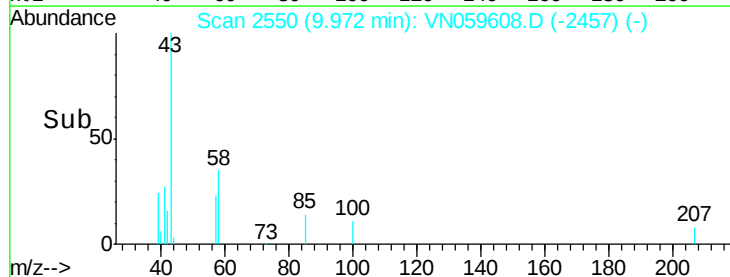
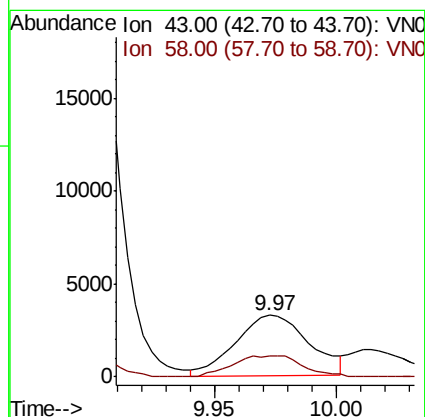
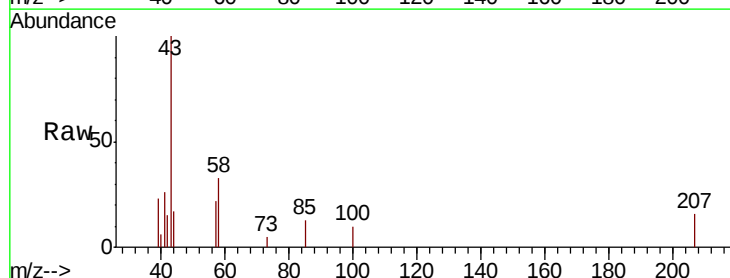
Acq: 16 Dec 2019 17:23

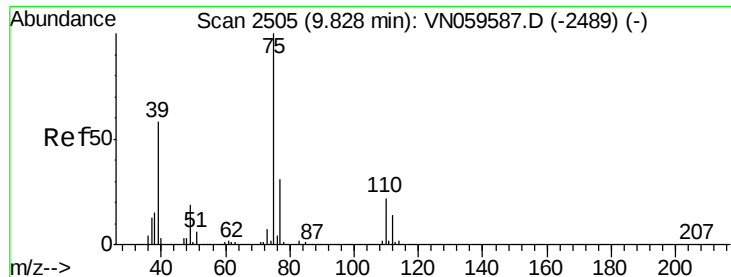
Tgt Ion: 43 Resp: 6769

Ion Ratio Lower Upper

43 100

58 33.7 29.8 44.8





#54

cis-1,3-Dichloropropene

Concen: 5.428 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.06 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

TP-1

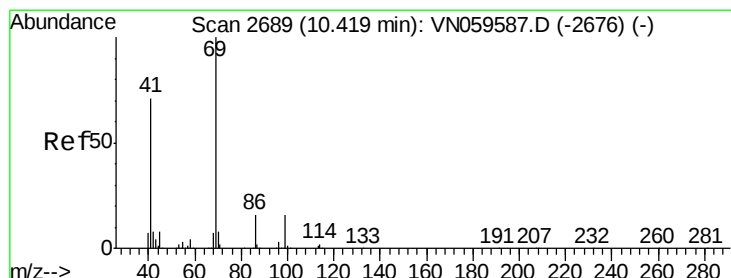
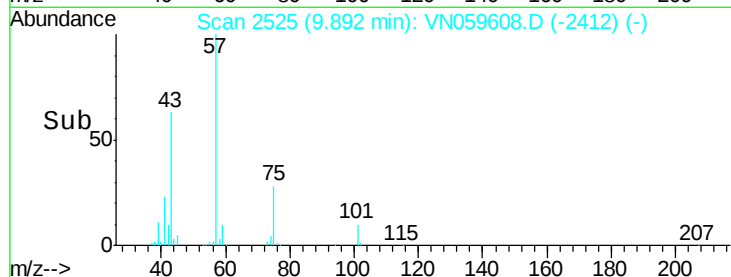
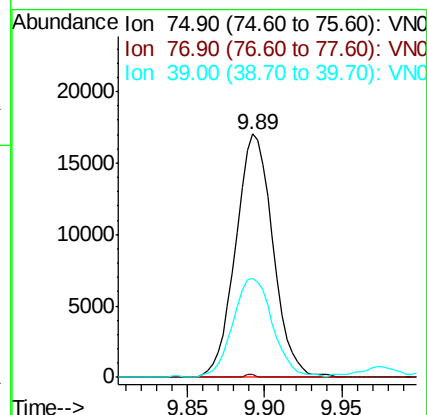
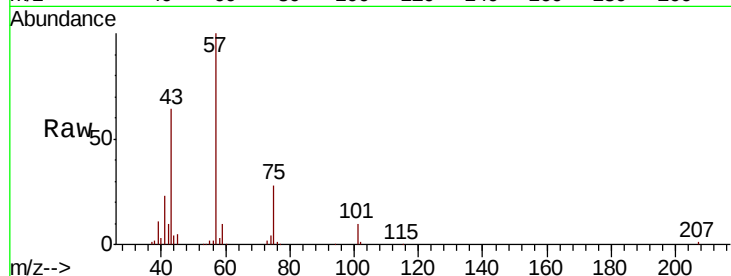
Tgt Ion: 75 Resp: 28538

Ion Ratio Lower Upper

75 100

77 1.0 25.1 37.7#

39 40.8 46.1 69.1#



#56

Ethyl methacrylate

Concen: 0.227 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

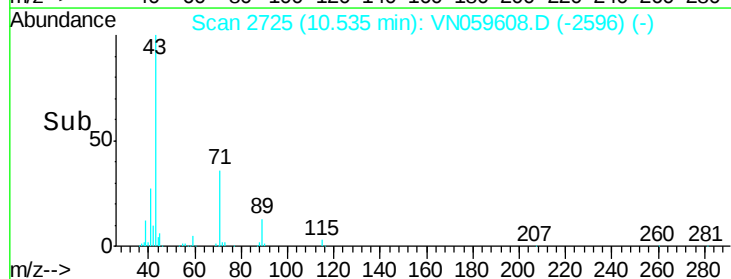
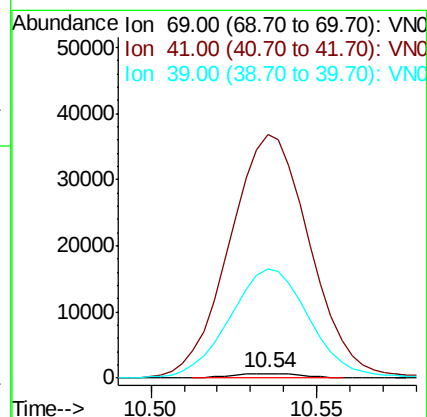
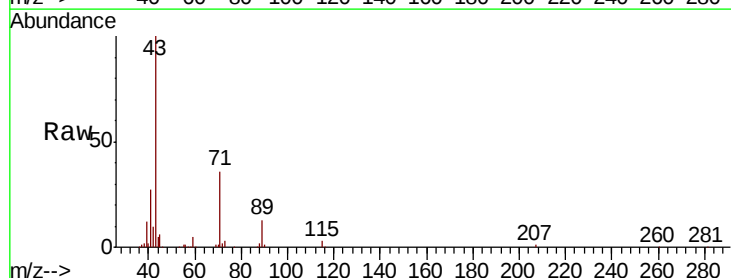
Tgt Ion: 69 Resp: 996

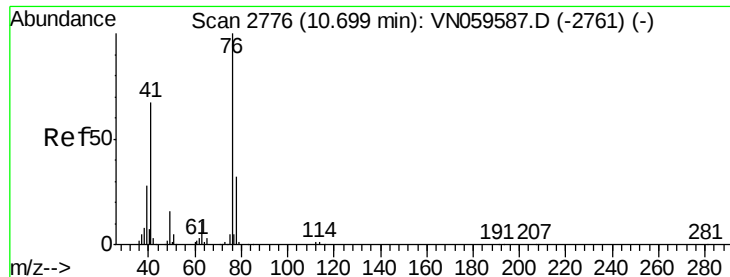
Ion Ratio Lower Upper

69 100

41 6294.3 57.1 85.7#

39 2829.2 34.7 52.1#

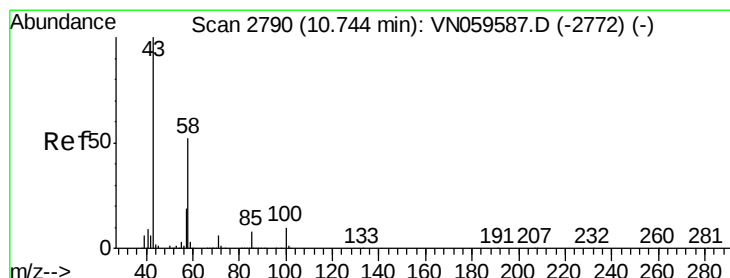
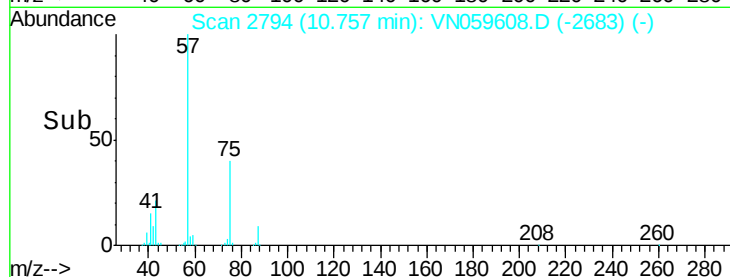
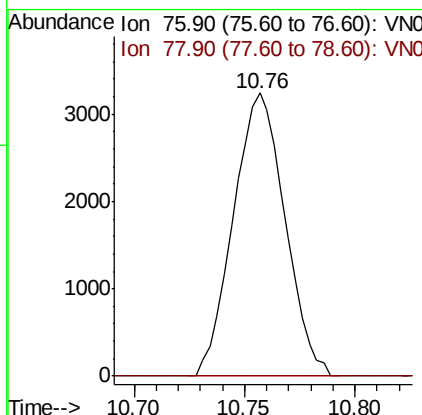
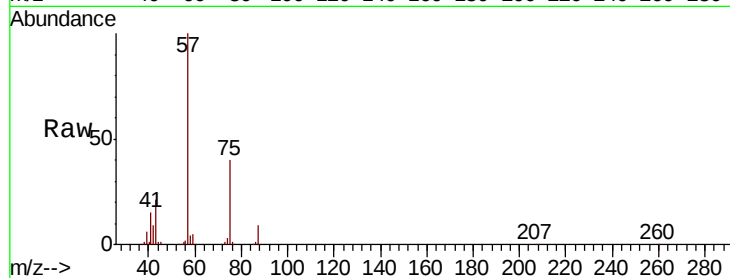




#57
 1,3-Dichloropropane
 Concen: 1.019 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

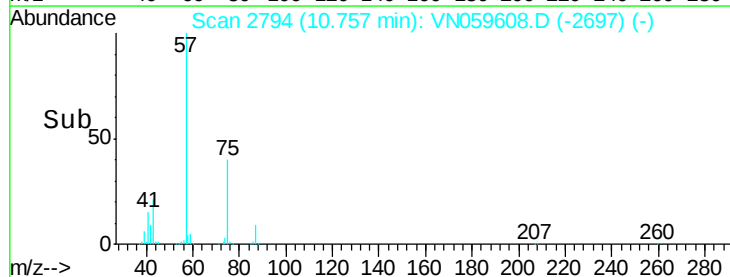
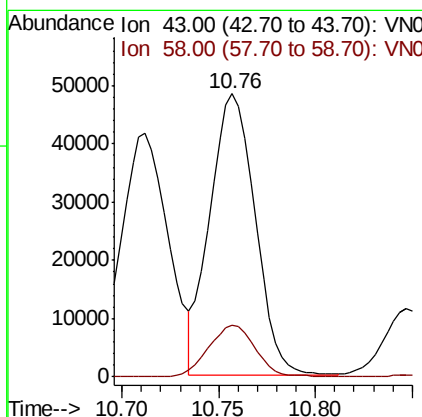
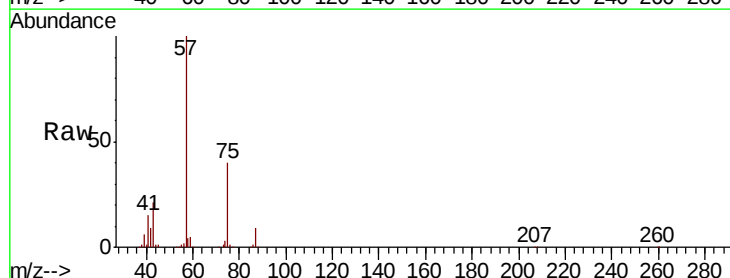
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

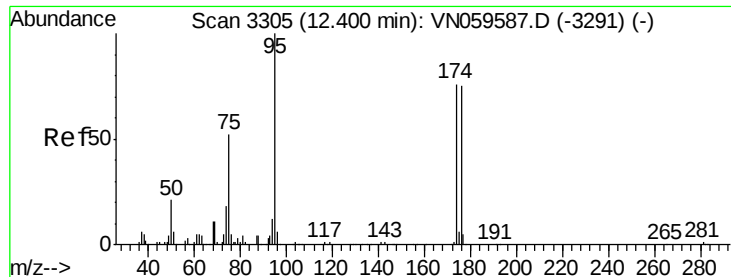
Tgt Ion: 76 Resp: 5244
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 22.175 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

Tgt Ion: 43 Resp: 78994
 Ion Ratio Lower Upper
 43 100
 58 18.9 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 47.308 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

TP-1

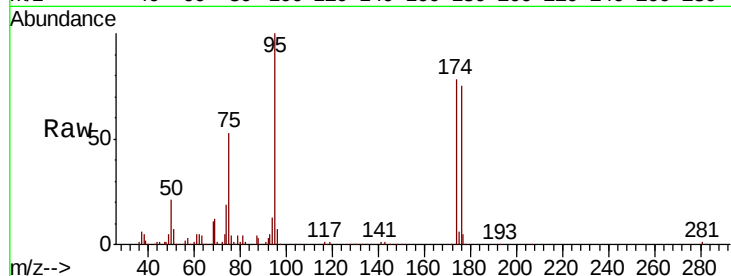
Tgt Ion: 95 Resp: 172025

Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.4

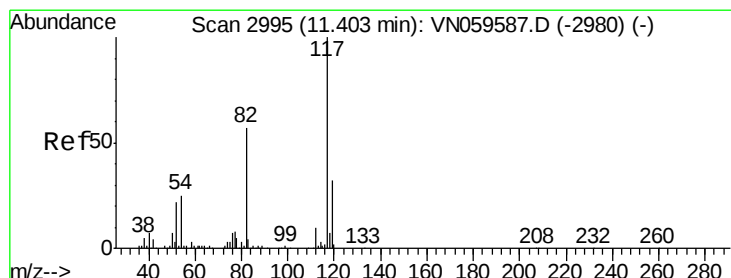
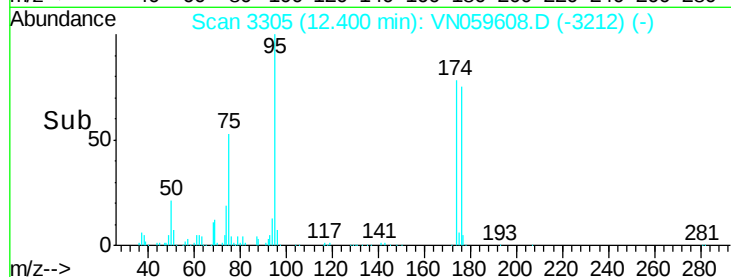
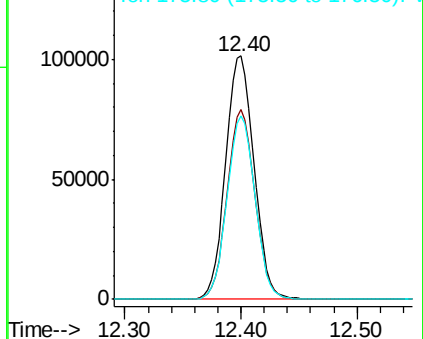
176 73.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059608.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059608.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059608.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

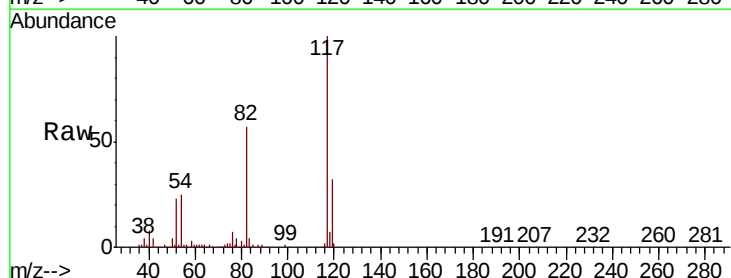
Tgt Ion: 117 Resp: 367836

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

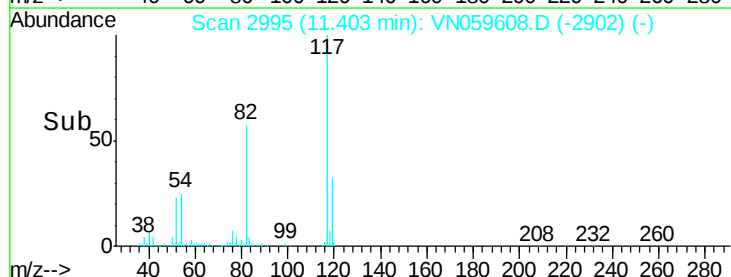
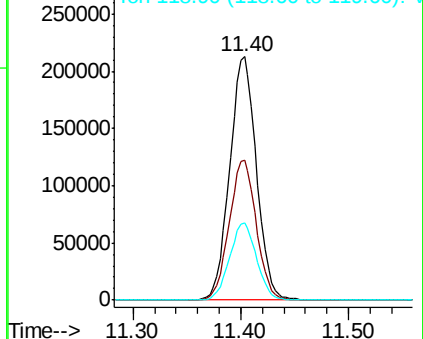
119 31.8 25.5 38.3

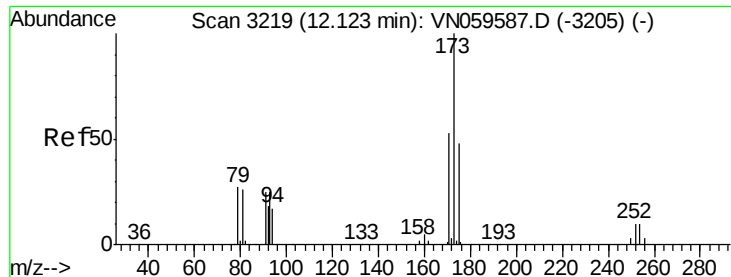


Abundance Ion 116.90 (116.60 to 117.60): VN059608.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059608.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059608.D (-2902) (-)

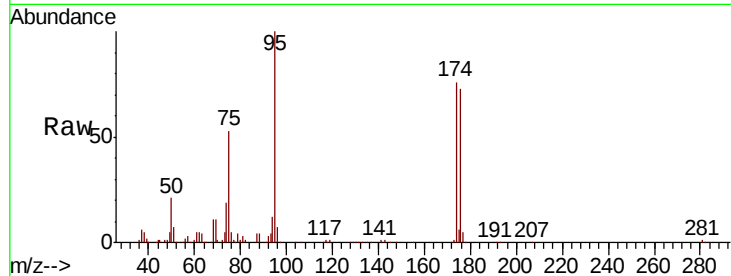




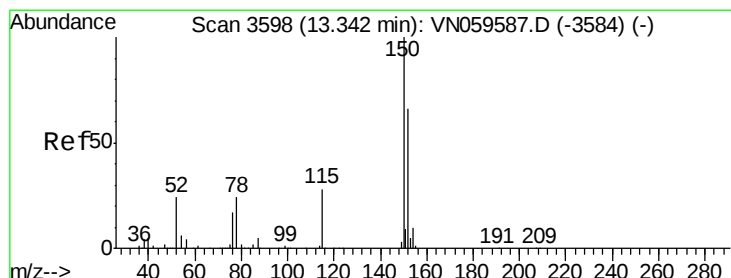
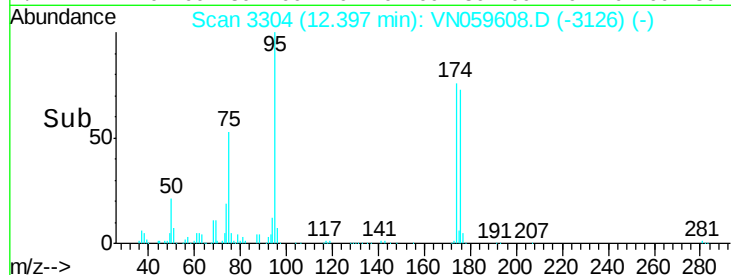
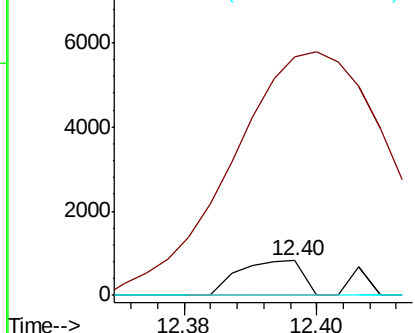
#71
Bromoform
Concen: 0.242 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tgt Ion:173 Resp: 549
Ion Ratio Lower Upper
173 100
175 1535.2 23.8 71.4#
254 0.0 0.0 0.0

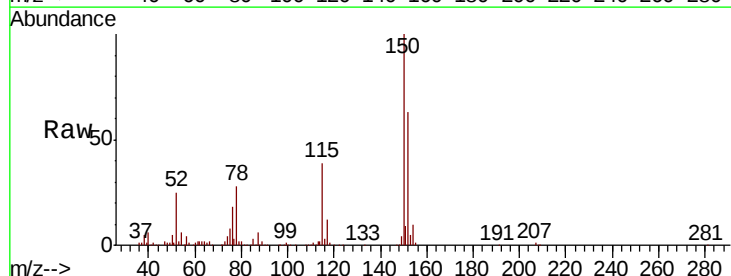


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

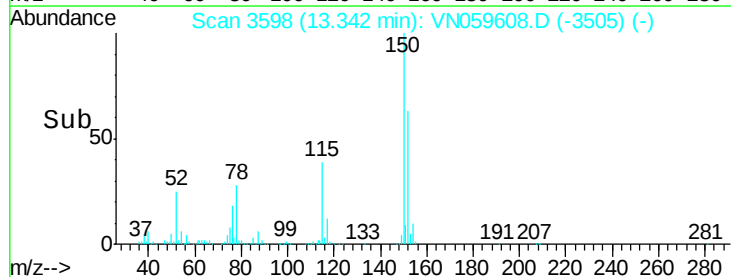
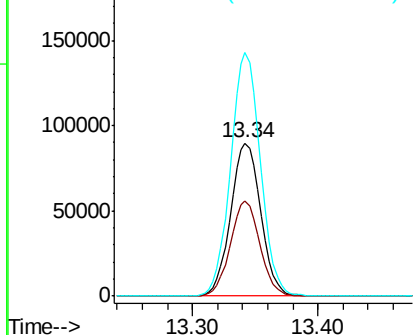


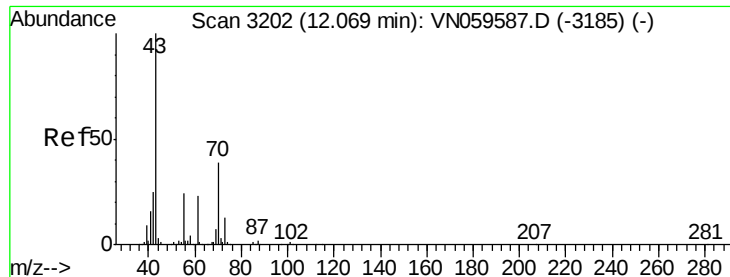
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059608.D
Acq: 16 Dec 2019 17:23

Tgt Ion:152 Resp: 149940
Ion Ratio Lower Upper
152 100
115 60.9 30.3 90.9
150 156.9 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: 0.605 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

TP-1

Tgt Ion: 43 Resp: 3268

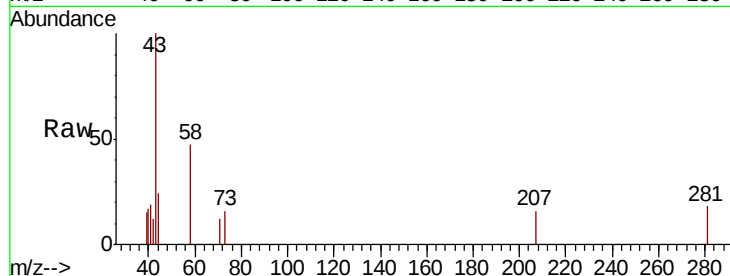
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 2.0 19.8 29.6#

61 0.0 18.3 27.5#

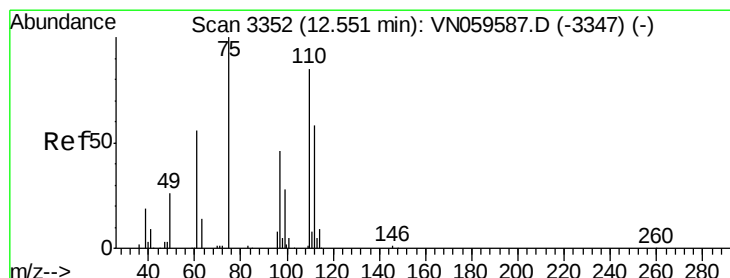
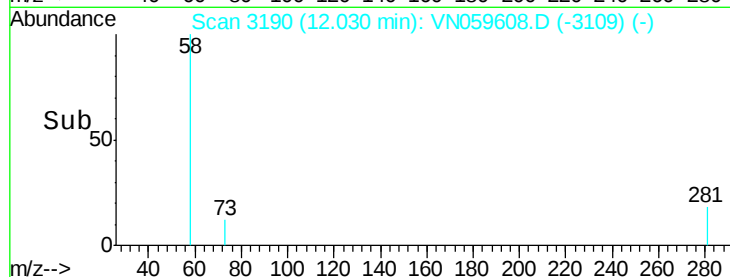
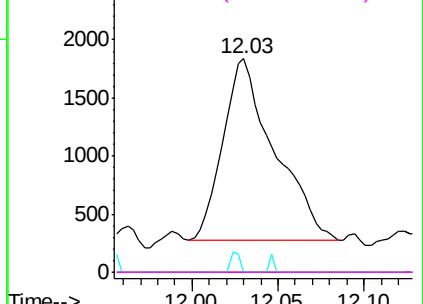


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 24.664 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059608.D

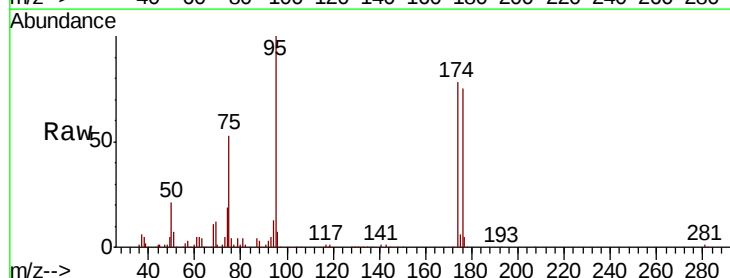
Acq: 16 Dec 2019 17:23

Tgt Ion: 75 Resp: 91550

Ion Ratio Lower Upper

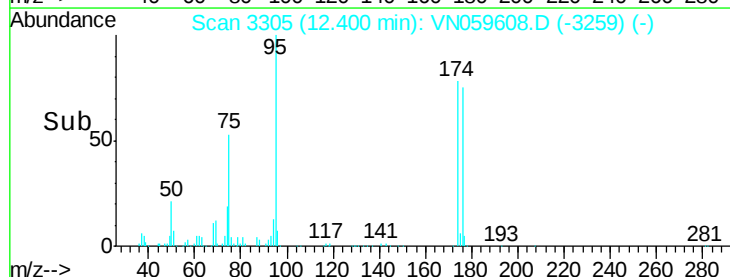
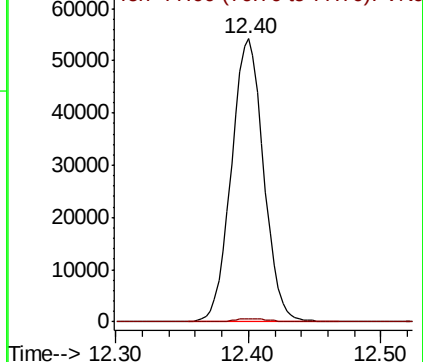
75 100

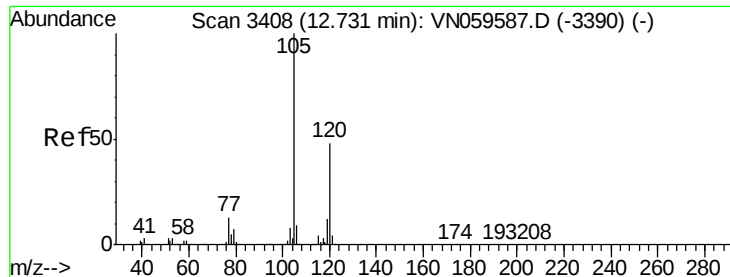
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.294 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

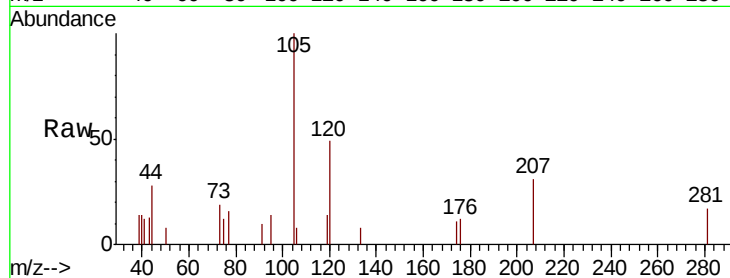
TP-1

Tgt Ion: 105 Resp: 2925

Ion Ratio Lower Upper

105 100

120 45.6 24.1 72.4



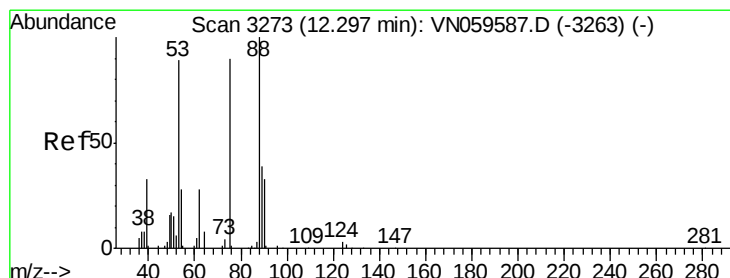
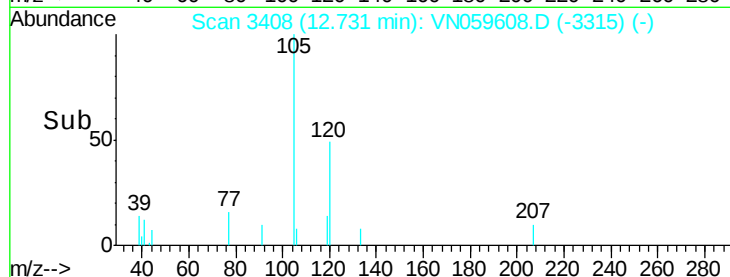
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

12.75

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.918 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

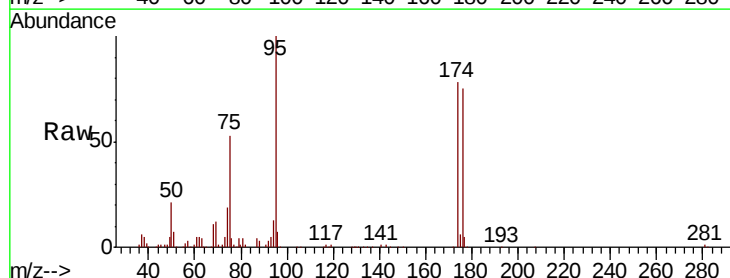
Tgt Ion: 75 Resp: 91550

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



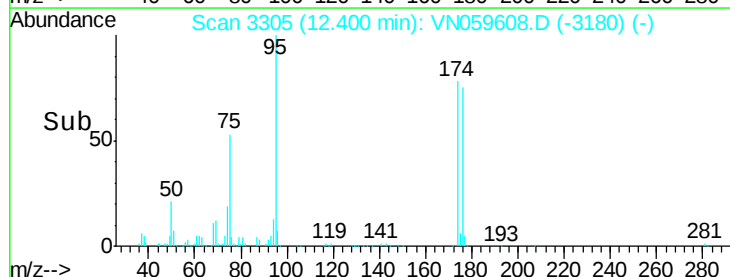
Abundance Ion 74.90 (74.60 to 75.60): VNO

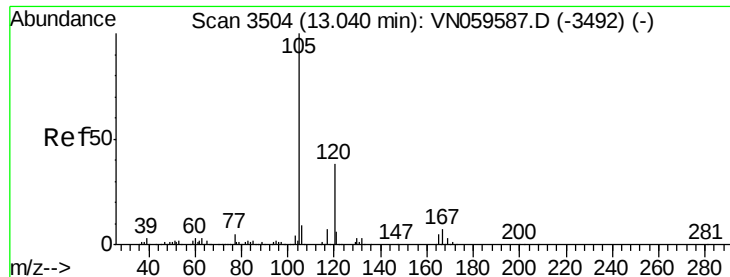
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

Time-->

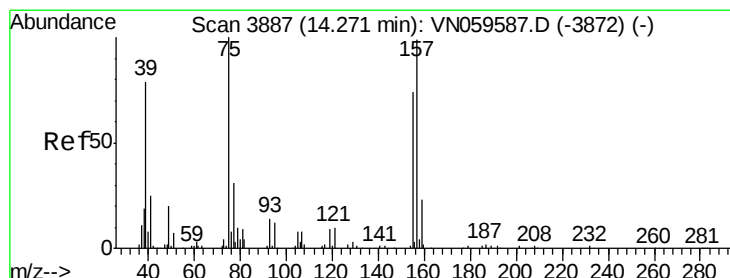
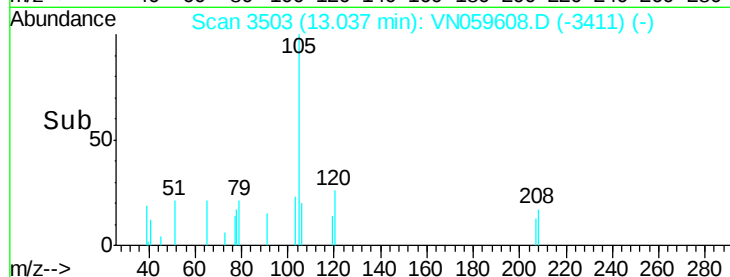
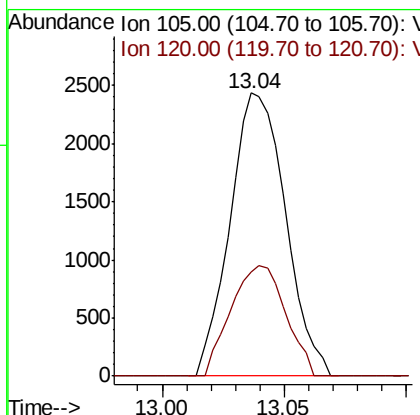
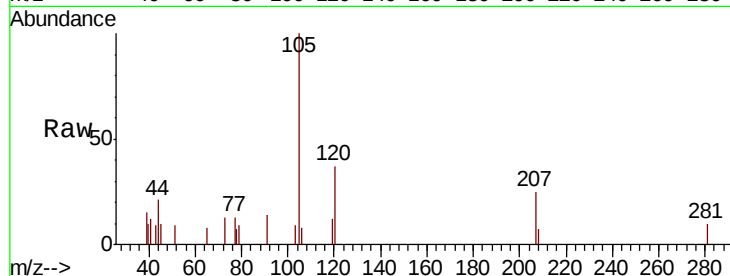




#84
 1,2,4-Trimethylbenzene
 Concen: 0.389 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

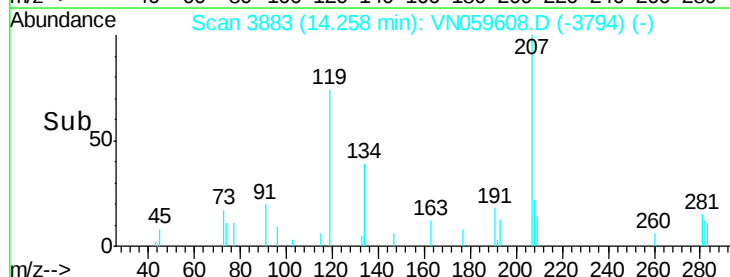
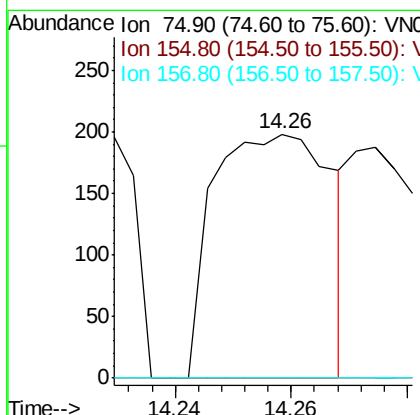
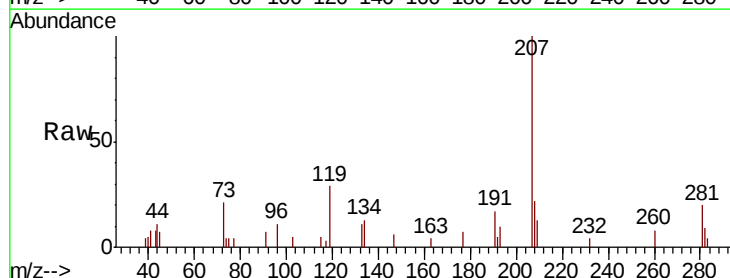
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

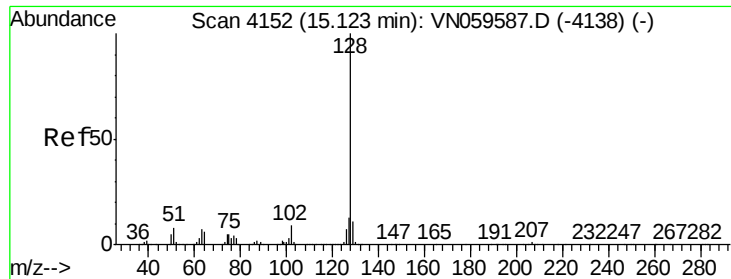
Tgt Ion: 105 Resp: 3849
 Ion Ratio Lower Upper
 105 100
 120 38.5 22.3 66.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.882 ug/l
 RT: 14.26 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: VN059608.D
 Acq: 16 Dec 2019 17:23

Tgt Ion: 75 Resp: 279
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#





#95

Naphthalene

Concen: 0.798 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059608.D

Acq: 16 Dec 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

TP-1

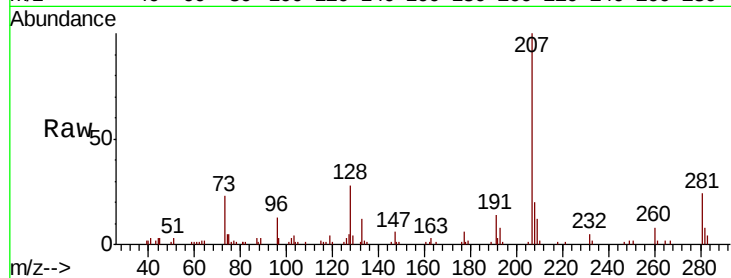
Tgt Ion:128 Resp: 8078

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 12.3 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

