

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058384.D
 Acq On : 26 Sep 2019 14:36
 Operator : JC/SP
 Sample : K5039-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

Quant Time: Sep 27 02:35:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	459030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	775009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	669259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	332060	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	7.57	113	224191	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	10.09	98	945248	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.41	95	326471	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

					Qvalue
3) Chloromethane	2.04	50	567	Below Cal	# 42
4) Vinyl Chloride	2.44	62	79	Below Cal	# 66
5) Bromomethane	2.54	94	385	0.948 ug/l	# 77
6) Chloroethane	2.67	64	339	Below Cal	# 44
11) Tert butyl alcohol	4.74	59	357	0.469 ug/l	# 71
12) 1,1-Dichloroethene	3.85	96	33	Below Cal	# 9
16) Acetone	3.80	43	35333	16.281 ug/l	99
17) Carbon Disulfide	4.02	76	2713	0.952 ug/l	# 74
18) Methyl Acetate	4.31	43	8609	1.508 ug/l	96
20) Methylene Chloride	4.52	84	30502	7.841 ug/l	98
25) 2-Butanone	6.82	43	3425	1.158 ug/l	97
29) Tetrahydrofuran	7.21	42	1100	0.604 ug/l	# 70
31) Cyclohexane	7.64	56	22530	1.912 ug/l	# 56
36) 1,1-Dichloropropene	7.65	75	39652	7.095 ug/l	# 51
38) Carbon Tetrachloride	7.65	117	48361	8.608 ug/l	# 14
39) Methylcyclohexane	9.07	83	7148	1.392 ug/l	# 82
40) Benzene	8.02	78	2010264	117.761 ug/l	100
41) Methacrylonitrile	7.15	41	35	0.923 ug/l	# 100
43) Isopropyl Acetate	8.15	43	174209	16.082 ug/l	# 79
48) Methyl methacrylate	9.17	41	7796	1.585 ug/l	# 14
49) 1,4-Dioxane	9.26	88	190	2.353 ug/l	# 1
51) 4-Methyl-2-Pentanone	9.98	43	11576	2.012 ug/l	100
52) Toluene	10.15	92	1171209	109.476 ug/l	99
53) t-1,3-Dichloropropene	10.15	75	14685	2.208 ug/l	# 1
54) cis-1,3-Dichloropropene	9.90	75	41795	5.691 ug/l	# 67
57) 1,3-Dichloropropane	10.76	76	6906	0.846 ug/l	# 43
59) 2-Hexanone	10.76	43	108920	25.489 ug/l	# 54
67) Ethyl Benzene	11.51	91	249803	12.384 ug/l	99
68) m/p-Xylenes	11.62	106	476489	62.721 ug/l	95
69) o-Xylene	11.95	106	307652	41.185 ug/l	99
70) Styrene	11.97	104	221015	17.172 ug/l	# 86
71) Bromoform	12.39	173	187	3.650 ug/l	# 1
73) Isopropylbenzene	12.25	105	19617	1.009 ug/l	99
74) N-amyl acetate	12.03	43	7794	0.958 ug/l	# 47

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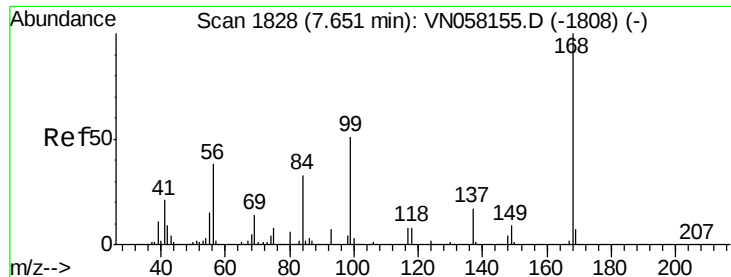
Instrument :
 MSVOA_N
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Quant Time: Sep 27 02:35:08 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.41	75	177749	31.973	ug/l #	100
78) n-propylbenzene	12.60	91	28714	1.300	ug/l	96
79) 2-Chlorotoluene	12.66	91	13342	0.966	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	151298	9.202	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.41	75	177749	89.938	ug/l #	5
82) 4-Chlorotoluene	12.74	91	15585	1.074	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.05	105	388116	23.720	ug/l	90
85) sec-Butylbenzene	13.05	105	388116	20.242	ug/l #	58
86) p-Isopropyltoluene	13.26	119	33849	1.986	ug/l #	76
90) Hexachloroethane	14.00	117	15221	7.627	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6440	5.494	ug/l #	7
95) Naphthalene	15.14	128	7851863	529.176	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

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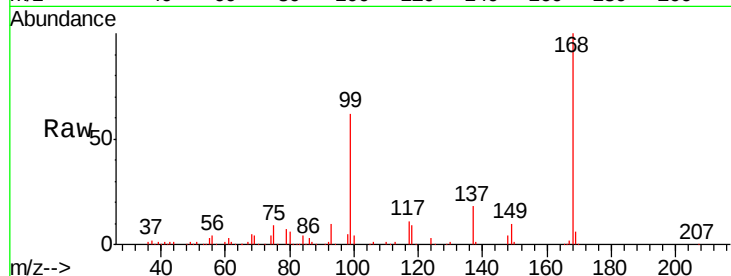
30476-80

Tgt Ion:168 Resp: 459030

Ion Ratio Lower Upper

168 100

99 62.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

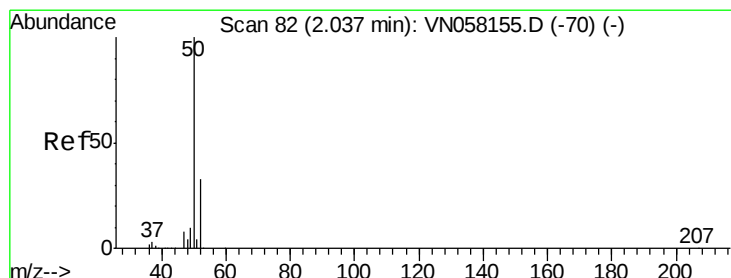
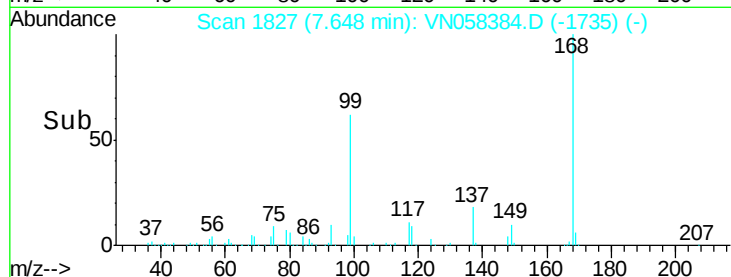
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058384.D

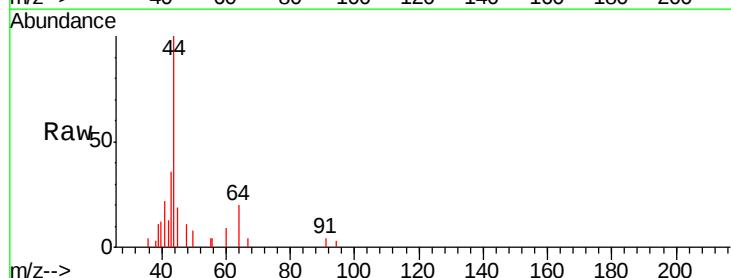
Acq: 26 Sep 2019 14:36

Tgt Ion: 50 Resp: 567

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

400

300

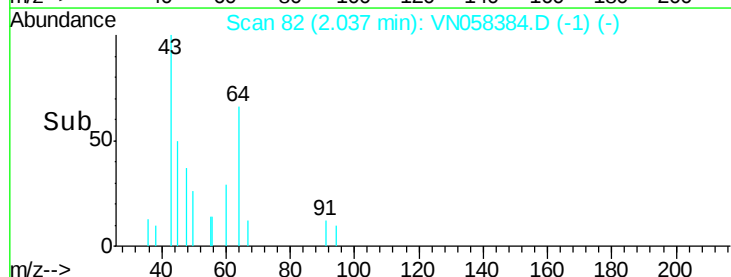
200

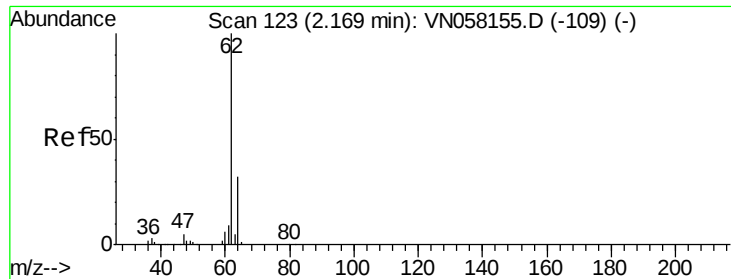
100

0

2.00 2.02 2.04

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.44 min Scan# 206

Delta R.T. 0.27 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

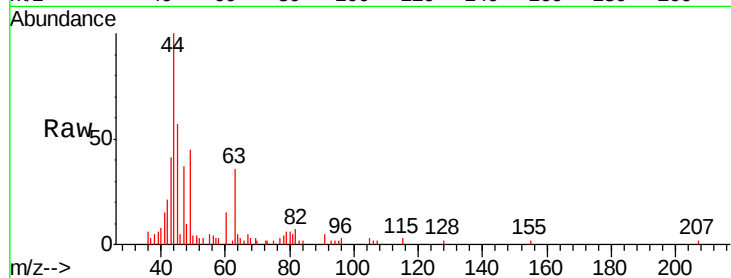
30476-80

Tgt Ion: 62 Resp: 79

Ion Ratio Lower Upper

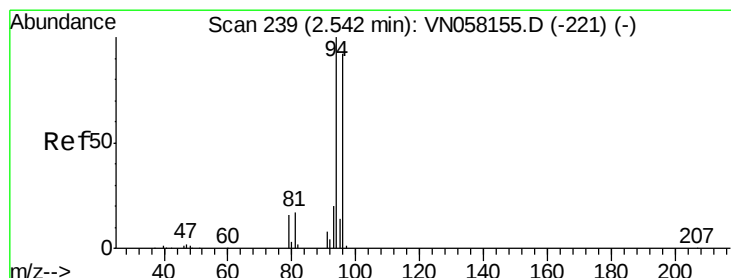
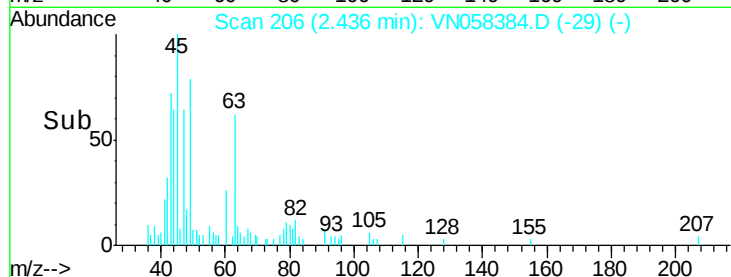
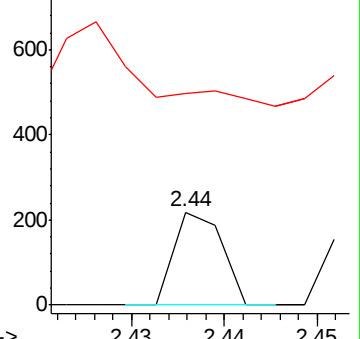
62 100

64 12.8 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#5

Bromomethane

Concen: 0.948 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058384.D

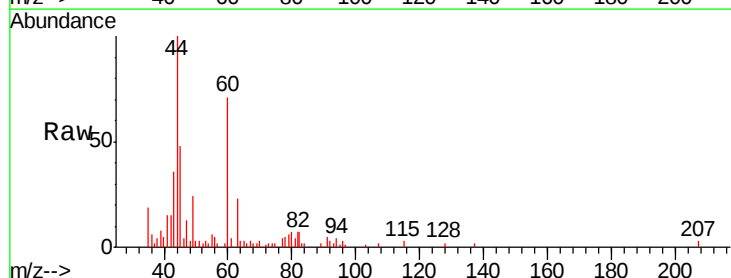
Acq: 26 Sep 2019 14:36

Tgt Ion: 94 Resp: 385

Ion Ratio Lower Upper

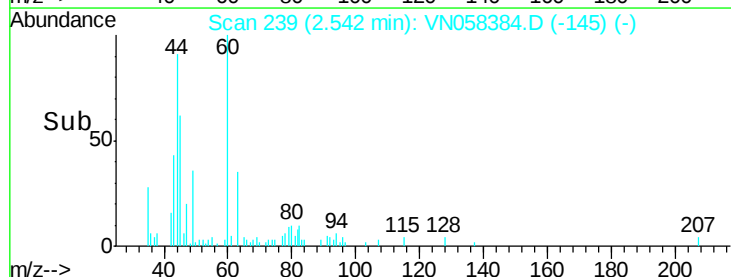
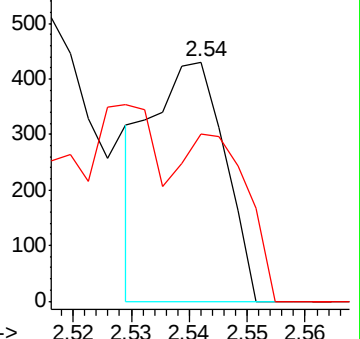
94 100

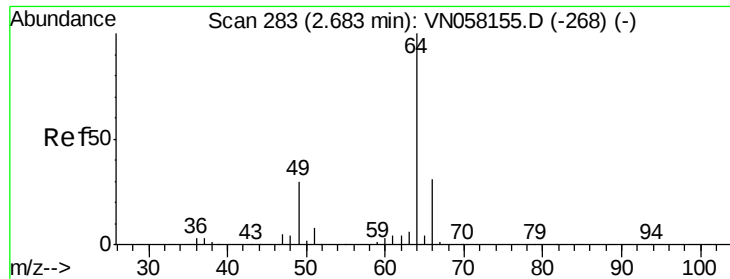
96 70.1 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: Below Cal

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

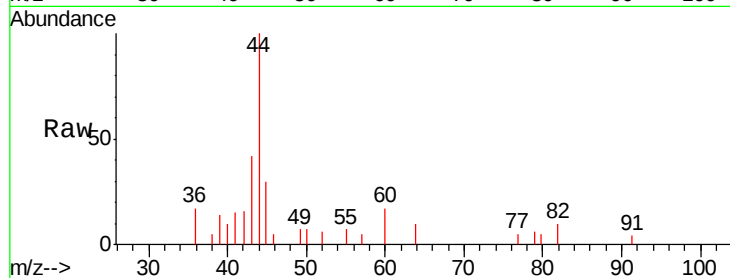
30476-80

Tgt Ion: 64 Resp: 339

Ion Ratio Lower Upper

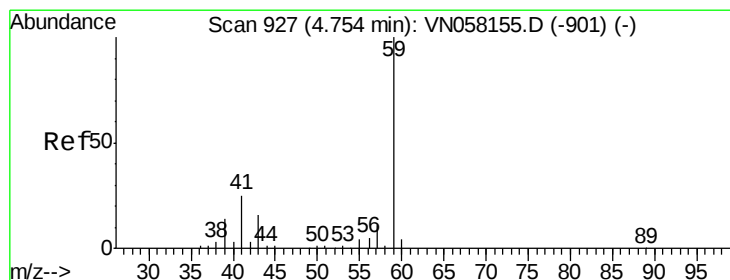
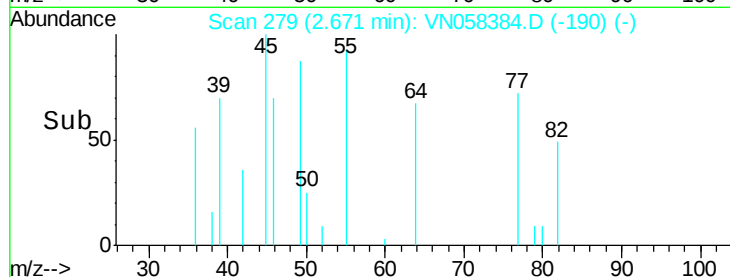
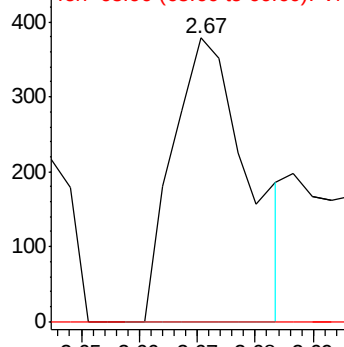
64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 0.469 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.01 min

Lab File: VN058384.D

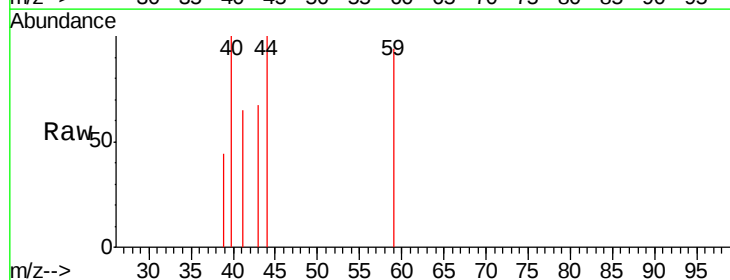
Acq: 26 Sep 2019 14:36

Tgt Ion: 59 Resp: 357

Ion Ratio Lower Upper

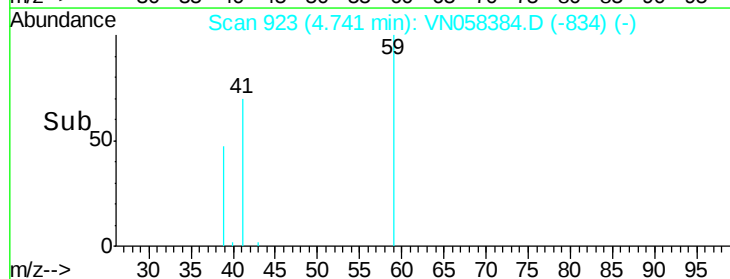
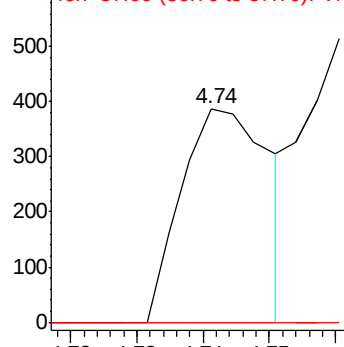
59 100

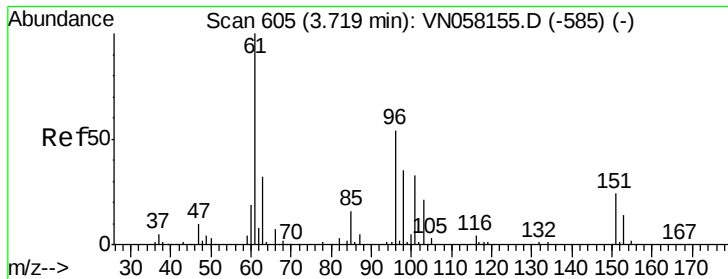
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

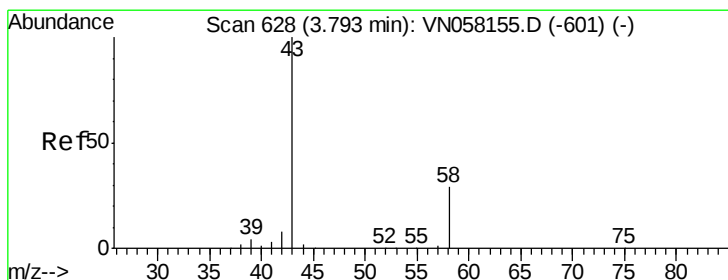
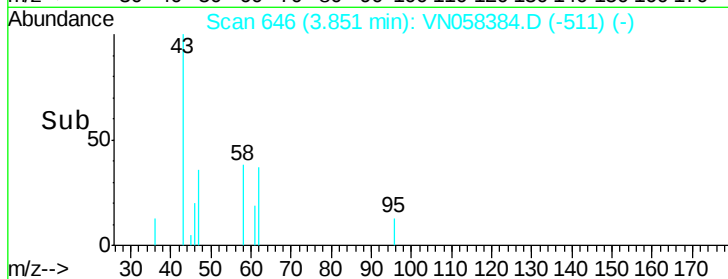
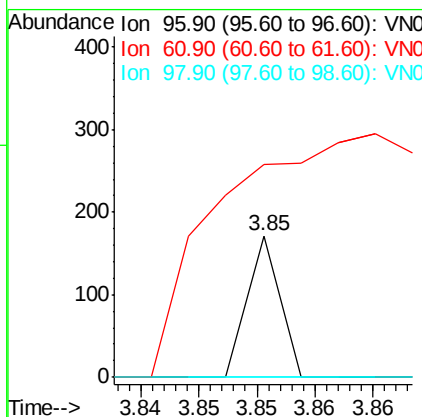
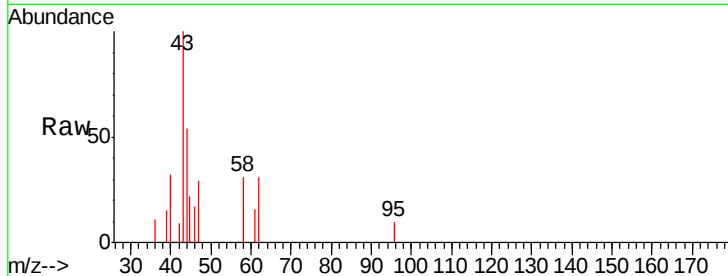




#12
 1,1-Dichloroethene
 Concen: Below Cal
 RT: 3.85 min Scan# 646
 Delta R.T. 0.13 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

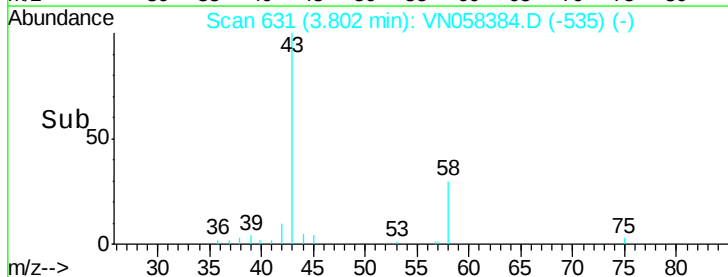
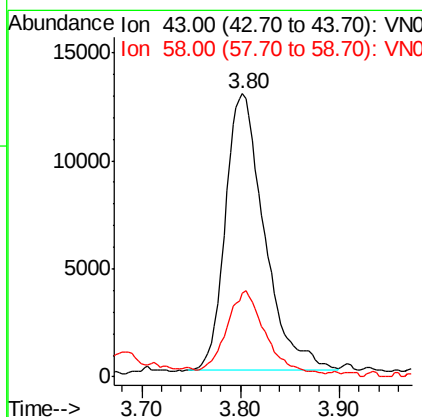
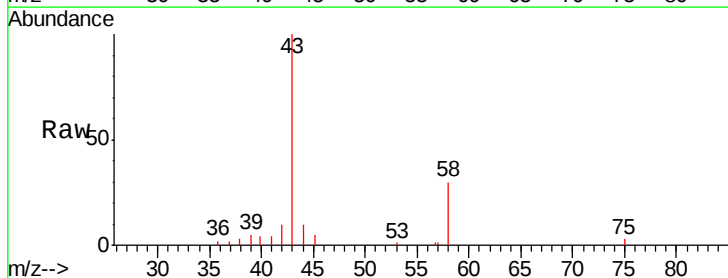
Instrument :
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 30476-80

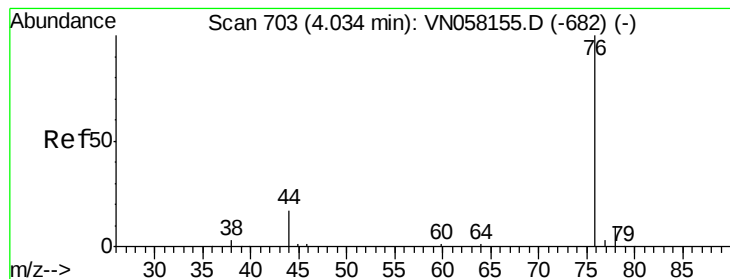
Tgt Ion:	96	Resp:	33
Ion	Ratio	Lower	Upper
96	100		
61	50.9	149.5	224.3#
98	0.0	52.4	78.6#



#16
 Acetone
 Concen: 16.281 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion:	43	Resp:	35333
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.4	35.2





#17

Carbon Disulfide

Concen: 0.952 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.02 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

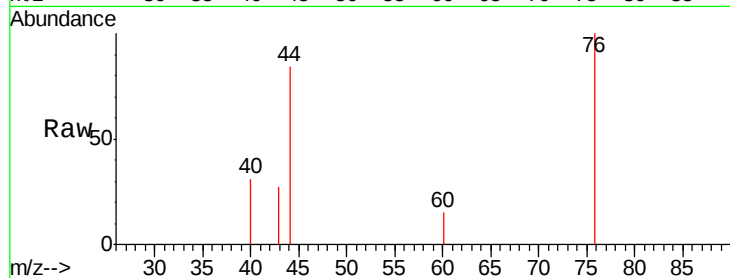
30476-80

Tgt Ion: 76 Resp: 2713

Ion Ratio Lower Upper

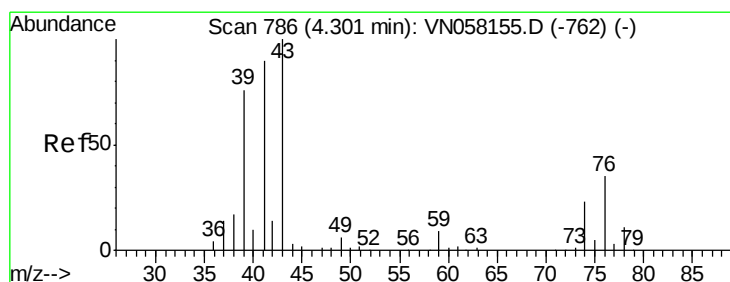
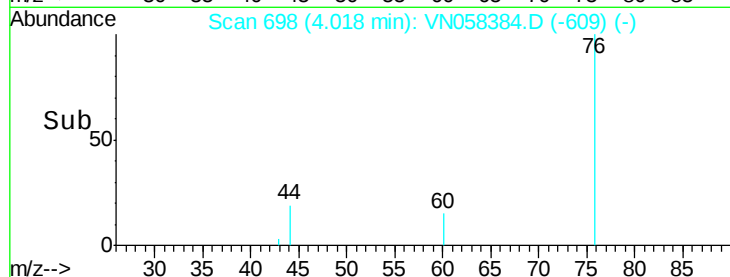
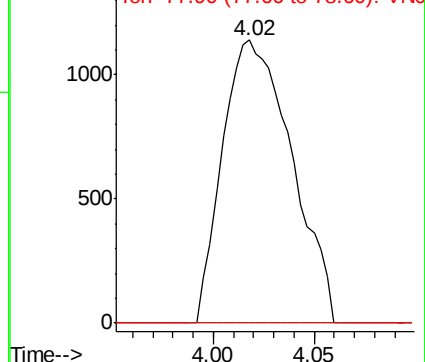
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 1.508 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058384.D

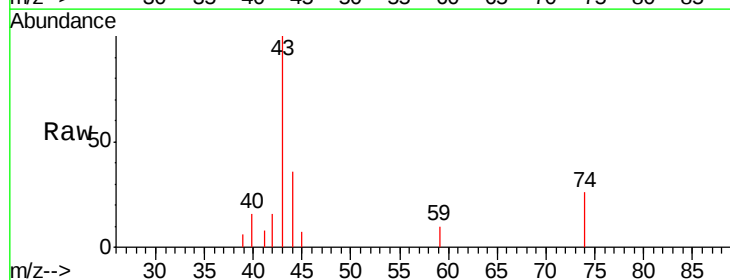
Acq: 26 Sep 2019 14:36

Tgt Ion: 43 Resp: 8609

Ion Ratio Lower Upper

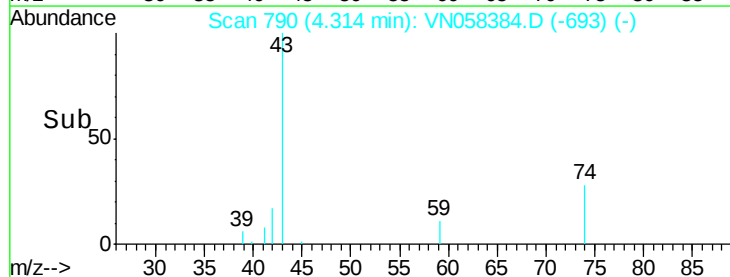
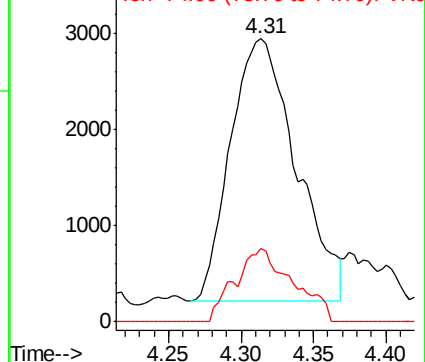
43 100

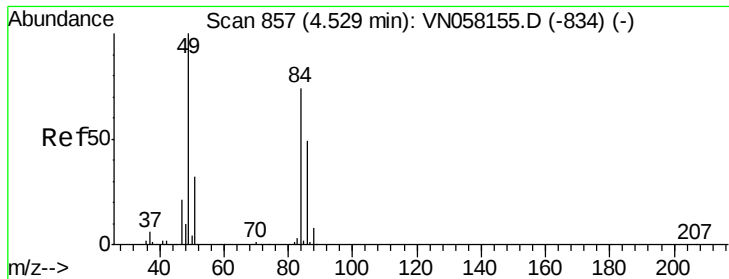
74 24.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#20

Methylene Chloride

Concen: 7.841 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.01 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

30476-80

Tgt Ion: 84 Resp: 30502

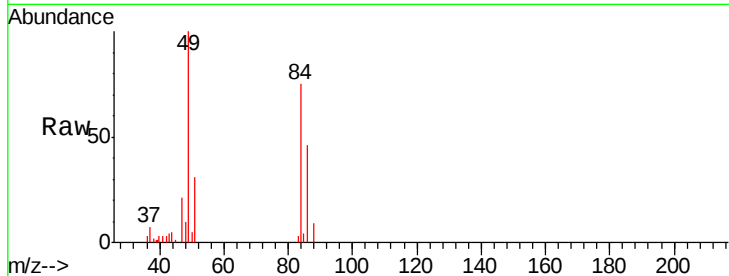
Ion Ratio Lower Upper

84 100

49 134.1 107.5 161.3

51 41.8 33.9 50.9

86 61.6 52.4 78.6

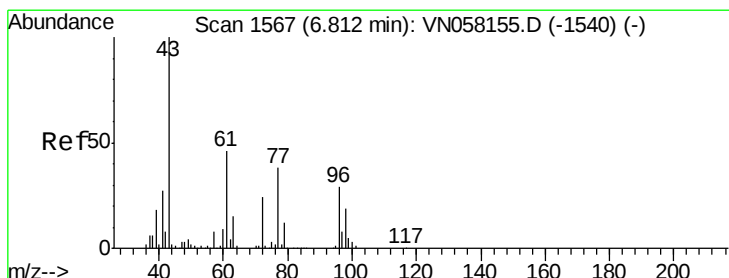
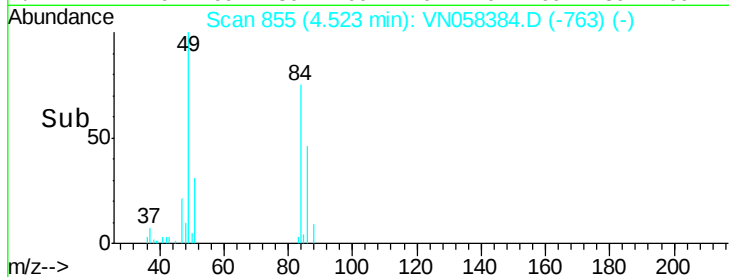
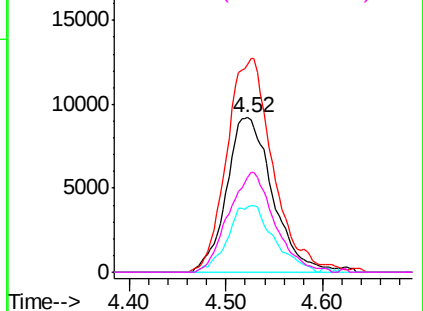


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 1.158 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058384.D

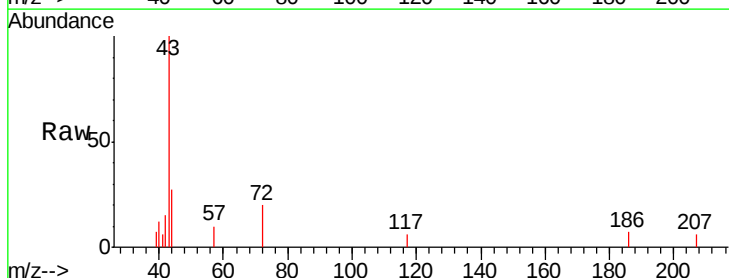
Acq: 26 Sep 2019 14:36

Tgt Ion: 43 Resp: 3425

Ion Ratio Lower Upper

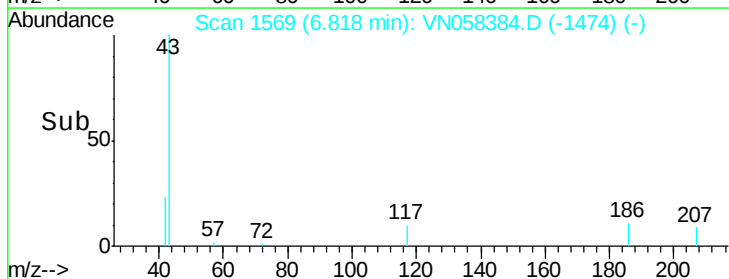
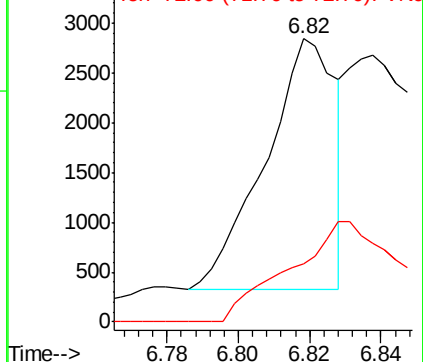
43 100

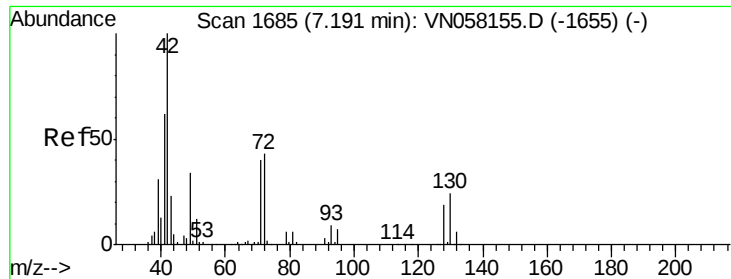
72 23.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

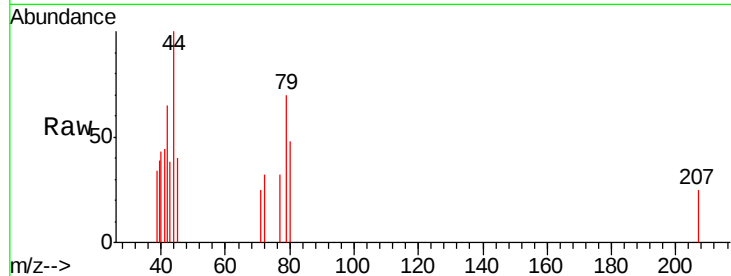




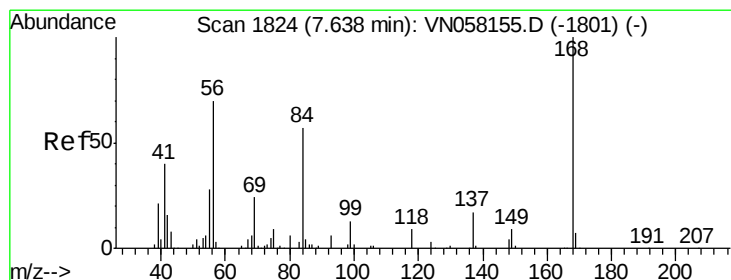
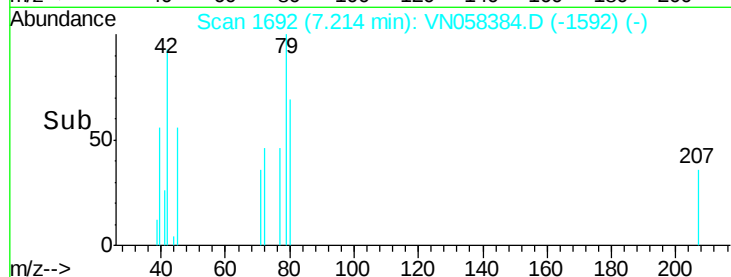
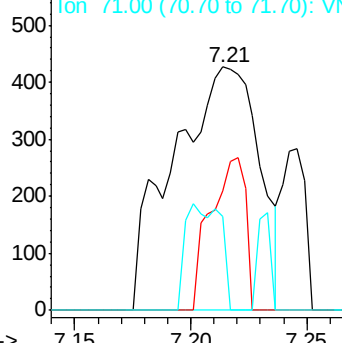
#29
Tetrahydrofuran
Concen: 0.604 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Instrument :
MSVOA_N
ClientSampled :
30476-80

Tgt Ion: 42 Resp: 1100
Ion Ratio Lower Upper
42 100
72 25.5 33.8 50.6#
71 17.9 31.4 47.0#

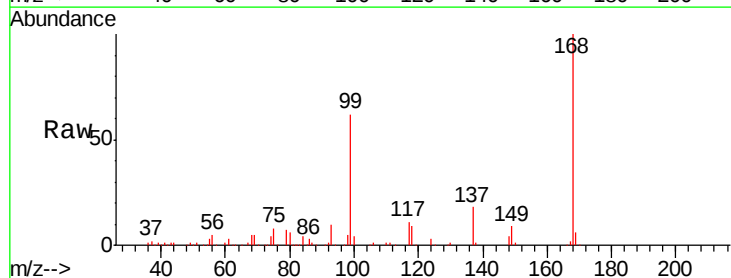


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

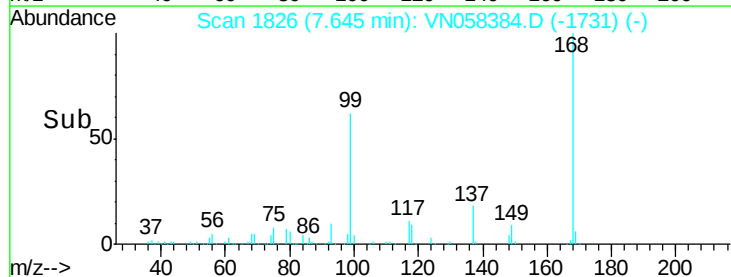
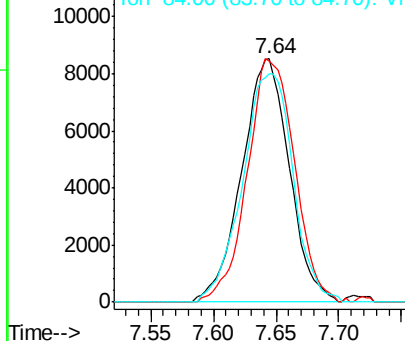


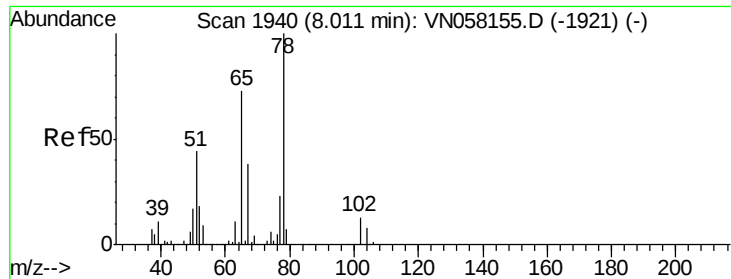
#31
Cyclohexane
Concen: 1.912 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion: 56 Resp: 22530
Ion Ratio Lower Upper
56 100
69 99.2 27.3 40.9#
84 94.0 65.0 97.4



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

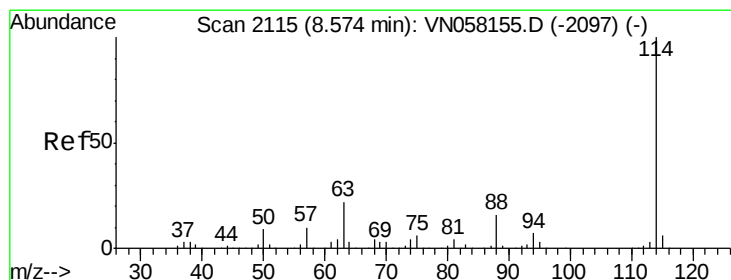
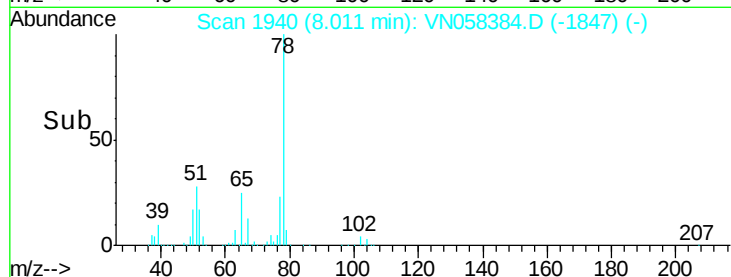
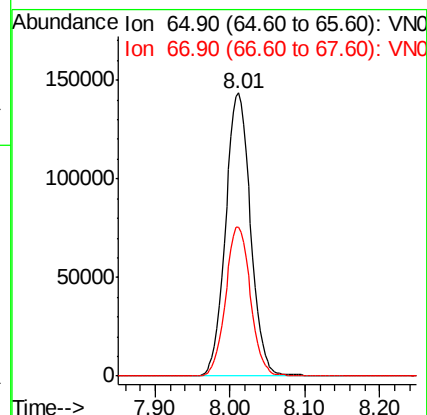
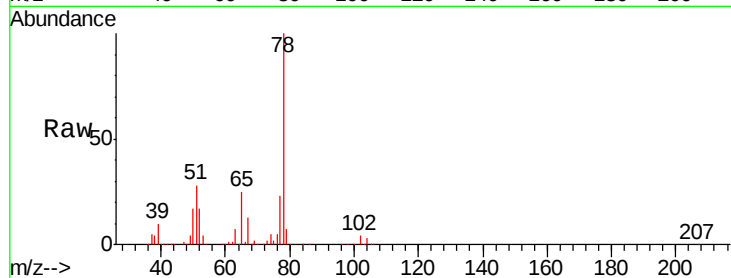




#33
 1,2-Dichloroethane-d4
 Concen: 51.938 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

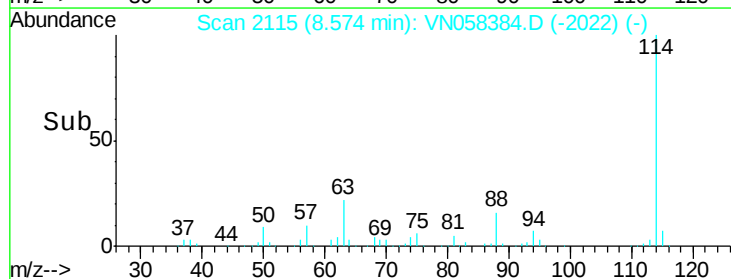
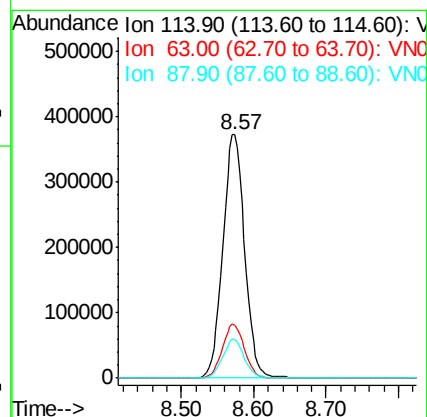
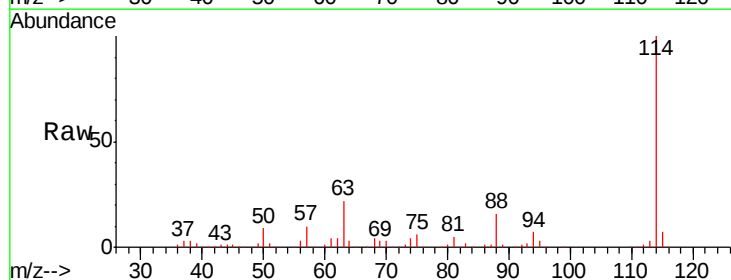
Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

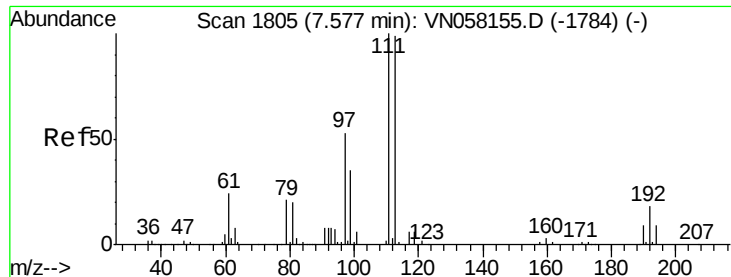
Tgt Ion: 65 Resp: 332060
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion: 114 Resp: 775009
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.2
 88 15.8 0.0 31.6

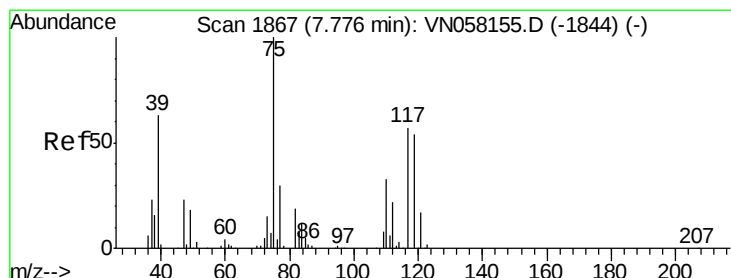
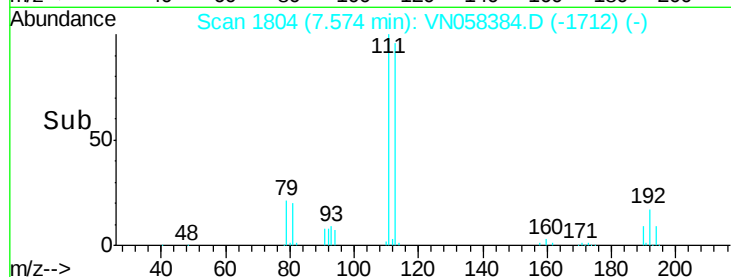
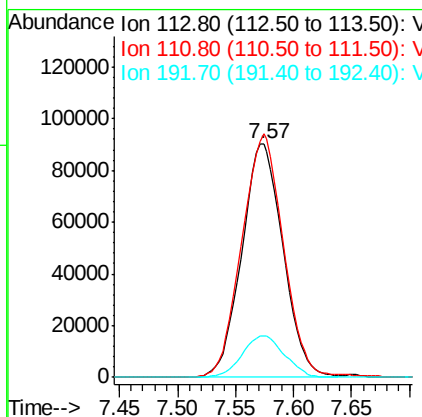
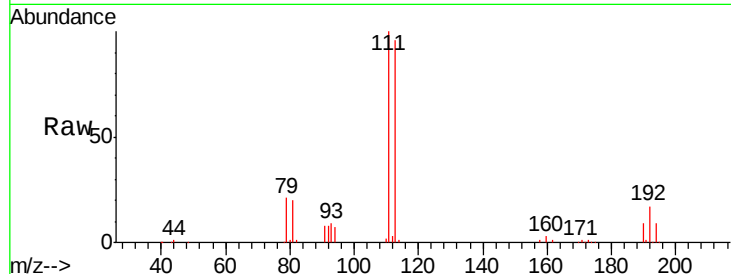




#35
 Dibromofluoromethane
 Concen: 47.585 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

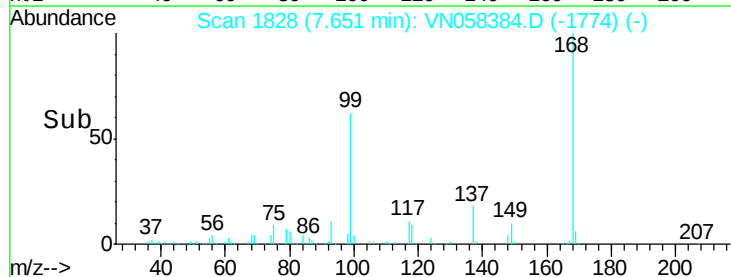
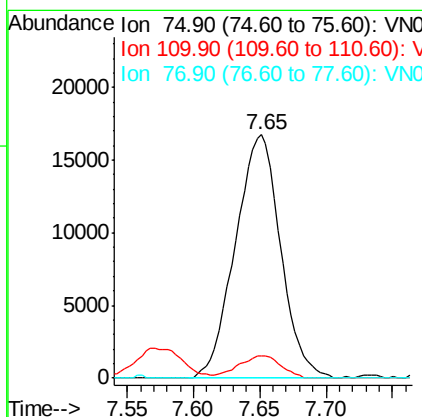
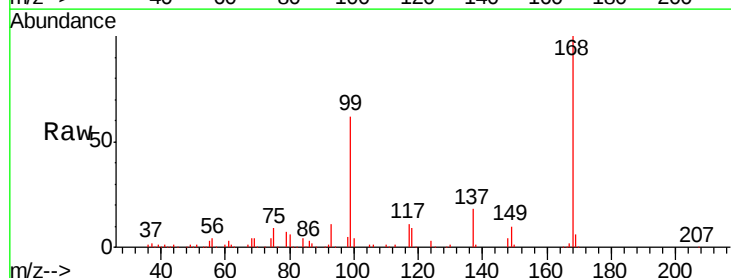
Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

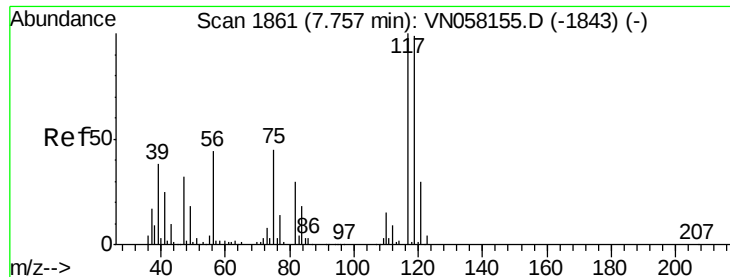
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.8	122.6
192	18.3	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.095 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.6	49.7#
77	0.0	24.3	36.5#

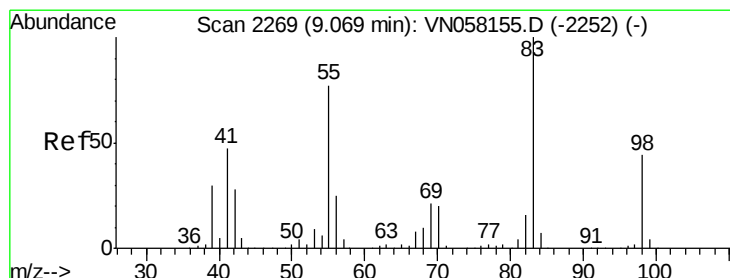
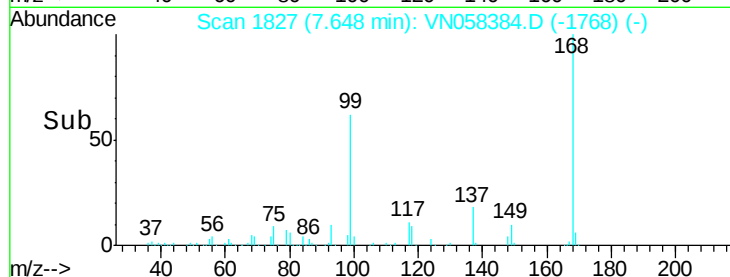
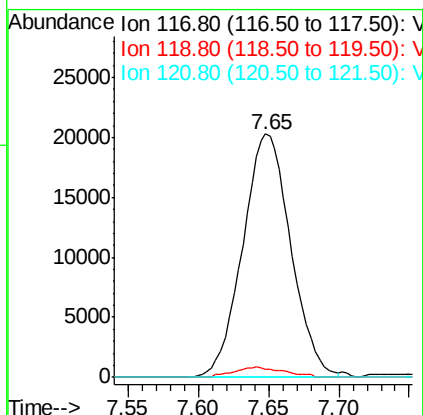
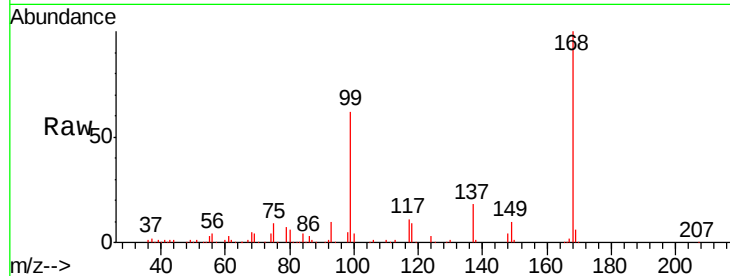




#38
Carbon Tetrachloride
Concen: 8.608 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

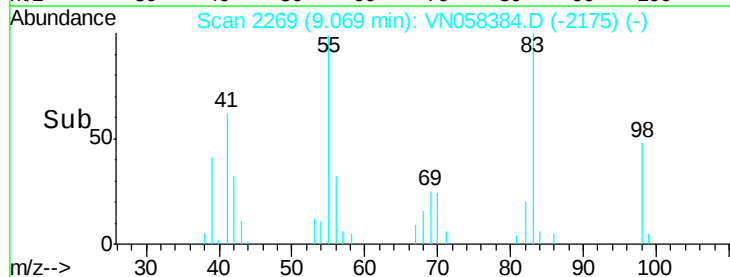
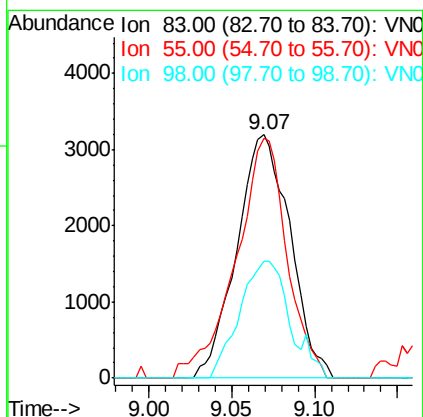
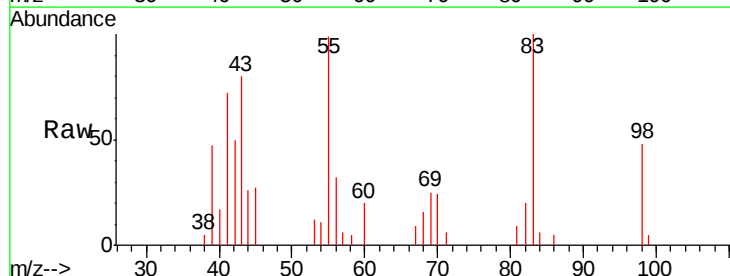
Instrument :
MSVOA_N
ClientSampleId :
30476-80

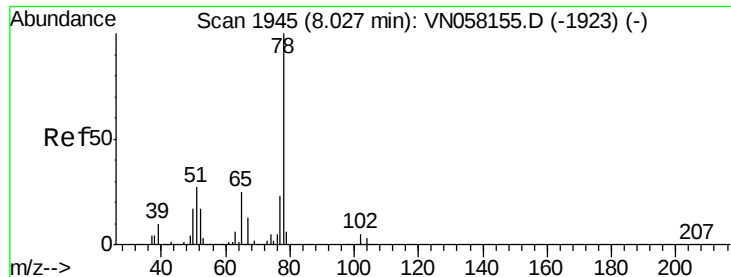
Tgt Ion:117 Resp: 48361
Ion Ratio Lower Upper
117 100
119 3.6 78.6 117.8#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 1.392 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion: 83 Resp: 7148
Ion Ratio Lower Upper
83 100
55 98.6 61.9 92.9#
98 48.1 35.4 53.2





#40

Benzene

Concen: 117.761 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

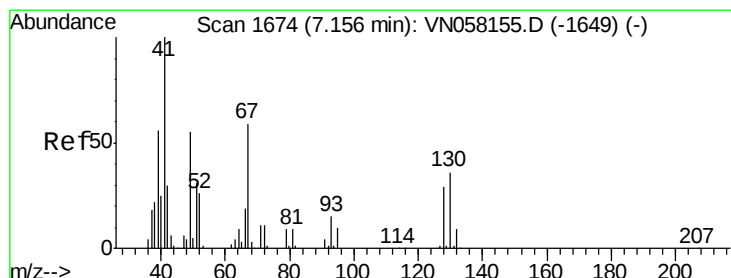
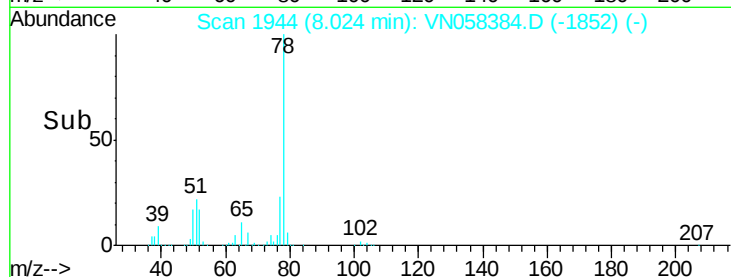
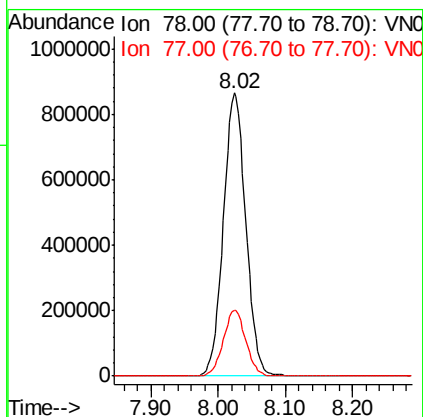
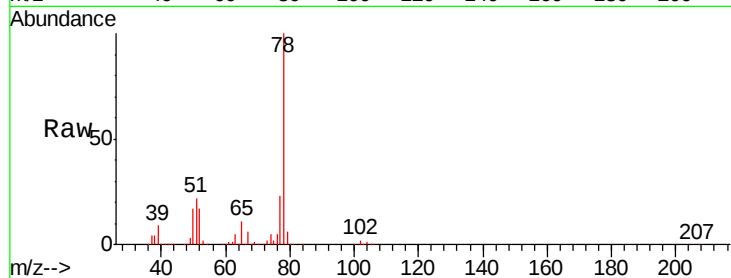
30476-80

Tgt Ion: 78 Resp: 2010264

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



#41

Methacrylonitrile

Concen: 0.923 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Tgt Ion: 41 Resp: 35

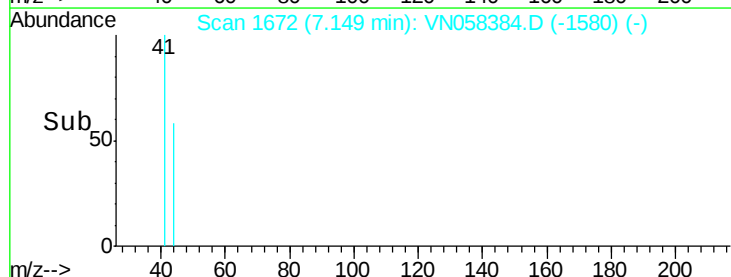
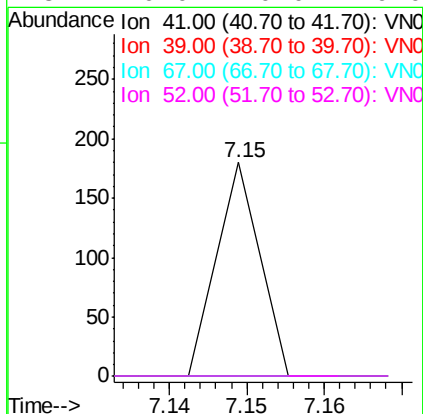
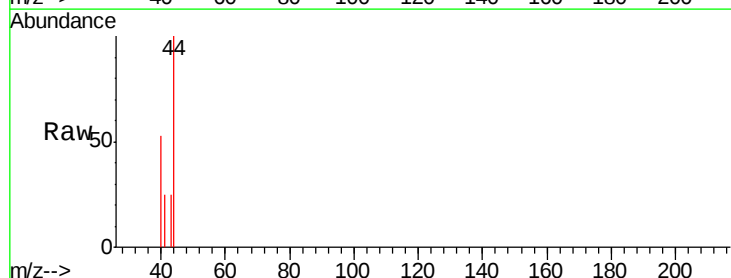
Ion Ratio Lower Upper

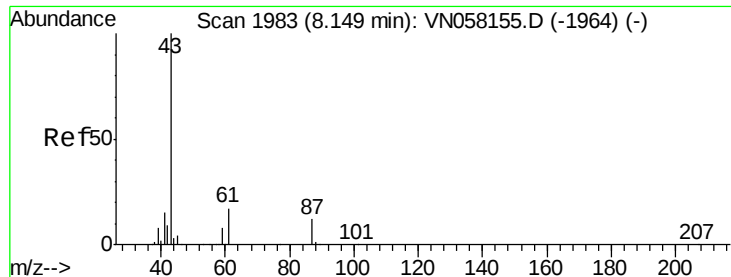
41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

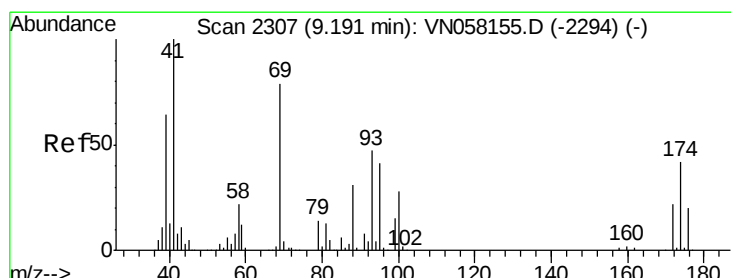
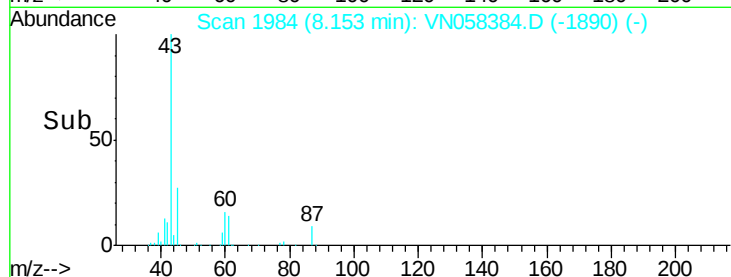
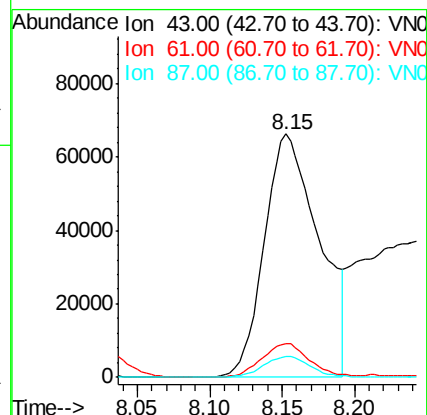
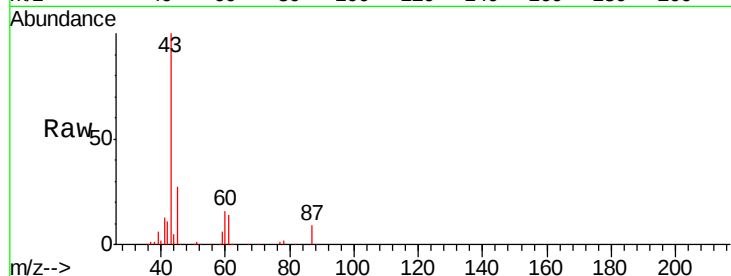




#43
Isopropyl Acetate
Concen: 16.082 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

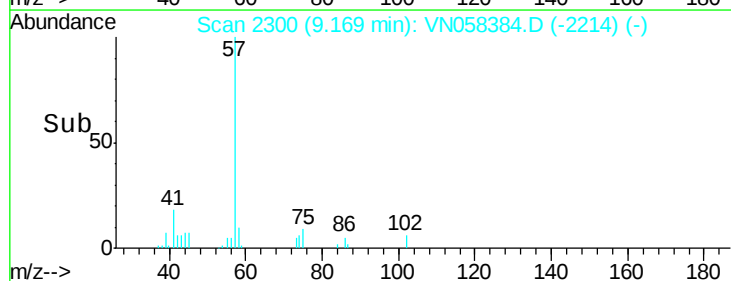
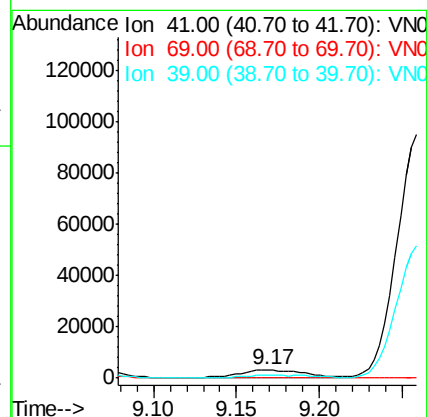
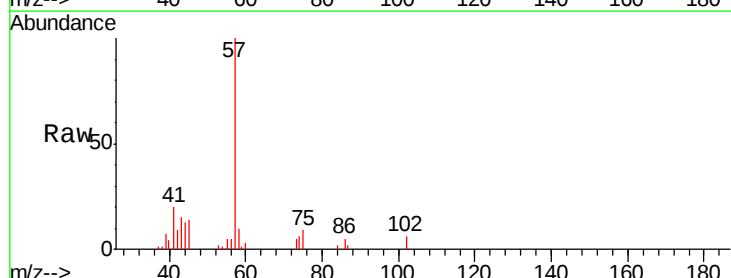
Instrument :
MSVOA_N
ClientSampleId :
30476-80

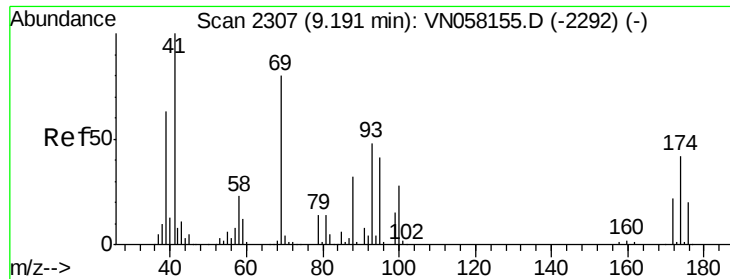
Tgt Ion: 43 Resp: 174209
Ion Ratio Lower Upper
43 100
61 12.1 19.7 29.5#
87 7.4 9.4 14.2#



#48
Methyl methacrylate
Concen: 1.585 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion: 41 Resp: 7796
Ion Ratio Lower Upper
41 100
69 0.0 62.5 93.7#
39 0.0 52.3 78.5#





#49

1,4-Dioxane

Concen: 2.353 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.07 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

30476-80

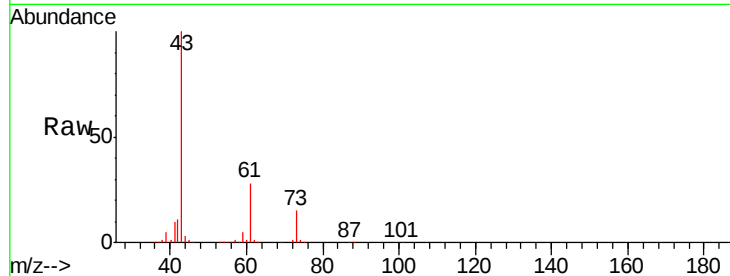
Tgt Ion: 88 Resp: 190

Ion Ratio Lower Upper

88 100

43 926020.5 27.8 41.8#

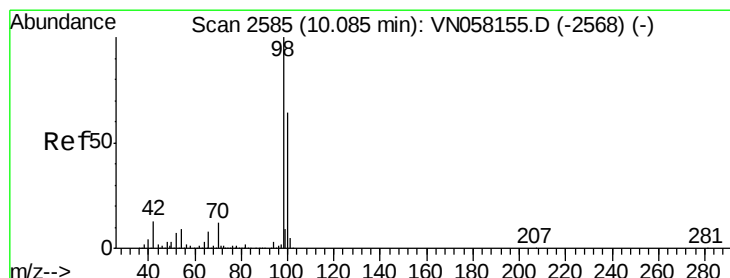
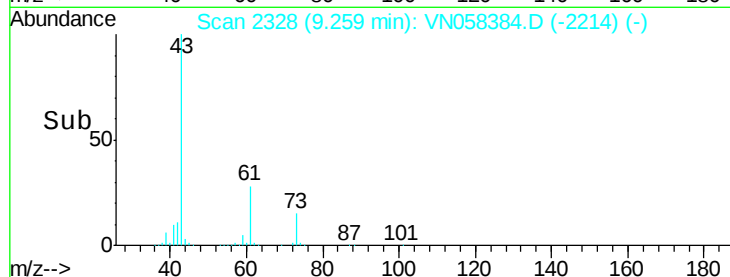
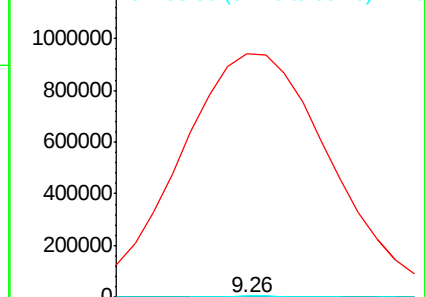
58 4251.6 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.494 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058384.D

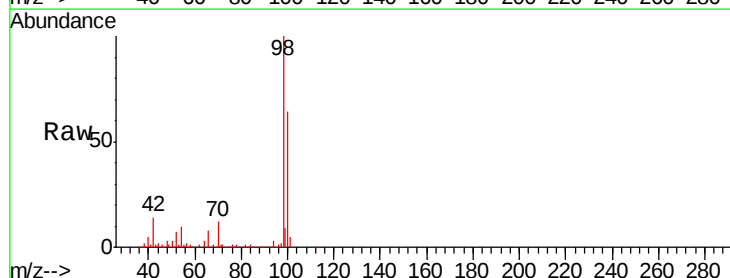
Acq: 26 Sep 2019 14:36

Tgt Ion: 98 Resp: 945248

Ion Ratio Lower Upper

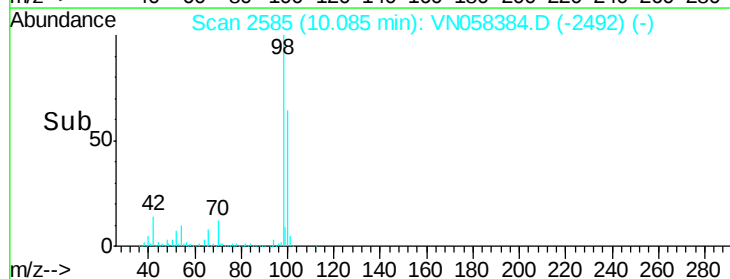
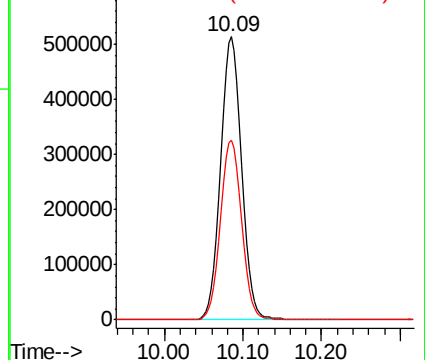
98 100

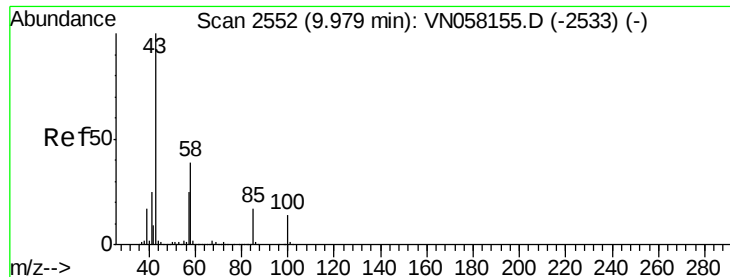
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

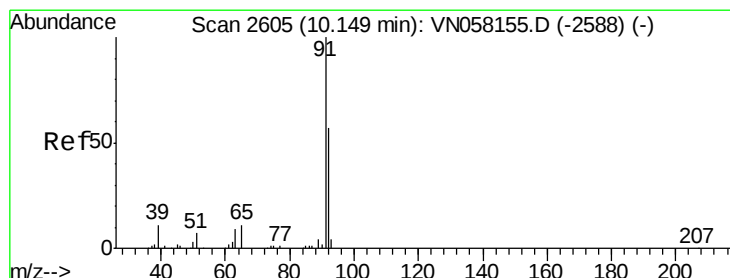
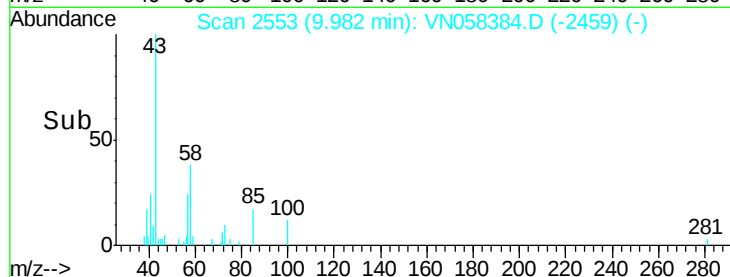
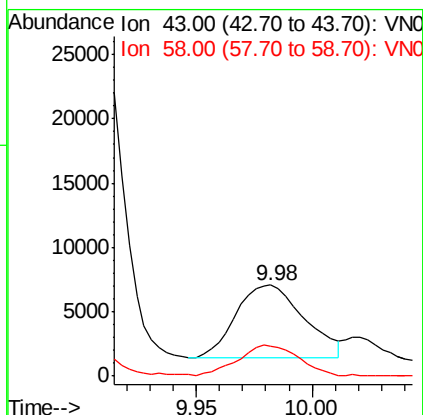
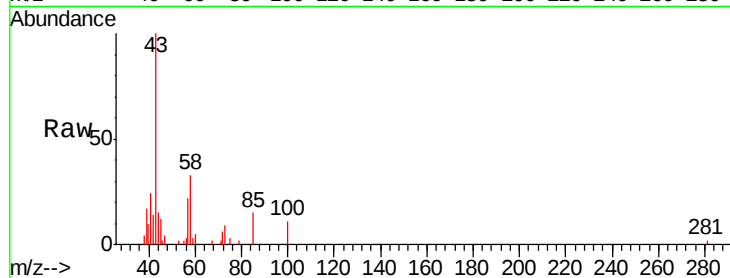




#51
 4-Methyl-2-Pentanone
 Concen: 2.012 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

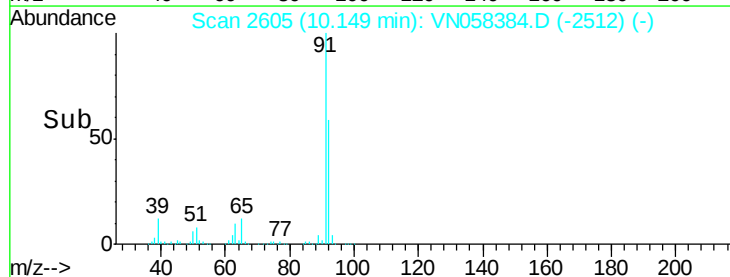
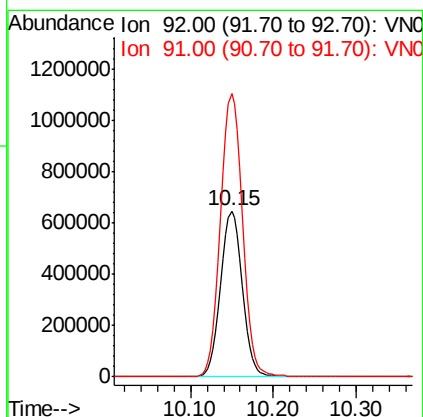
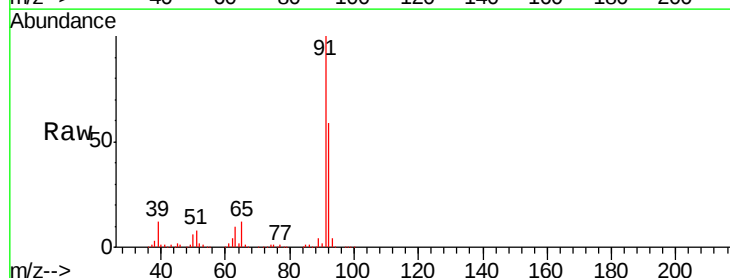
Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

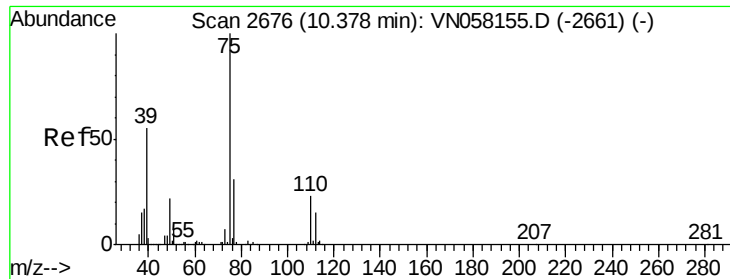
Tgt Ion: 43 Resp: 11576
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4



#52
 Toluene
 Concen: 109.476 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion: 92 Resp: 1171209
 Ion Ratio Lower Upper
 92 100
 91 173.7 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 2.208 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.23 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

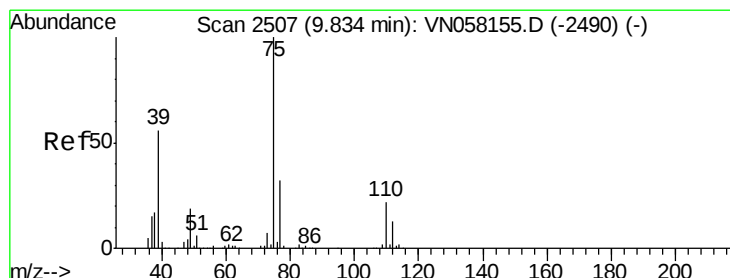
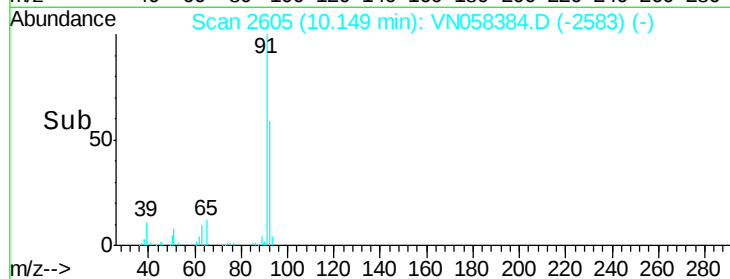
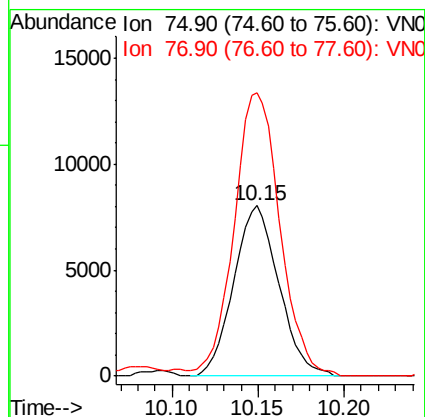
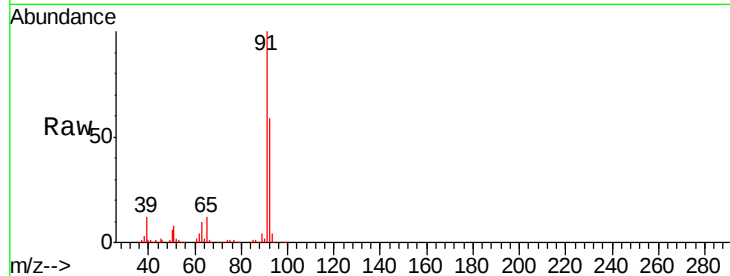
30476-80

Tgt Ion: 75 Resp: 14685

Ion Ratio Lower Upper

75 100

77 166.3 24.9 37.3#



#54

cis-1,3-Dichloropropene

Concen: 5.691 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

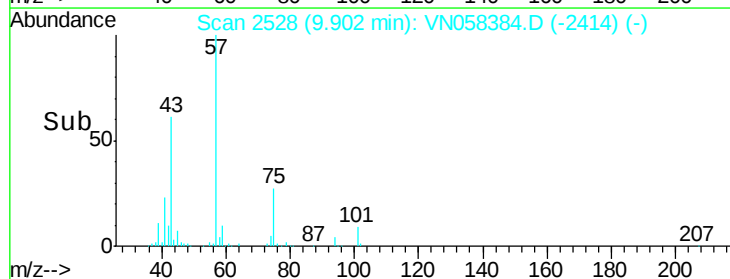
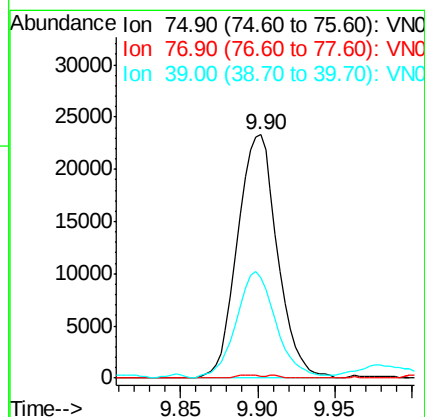
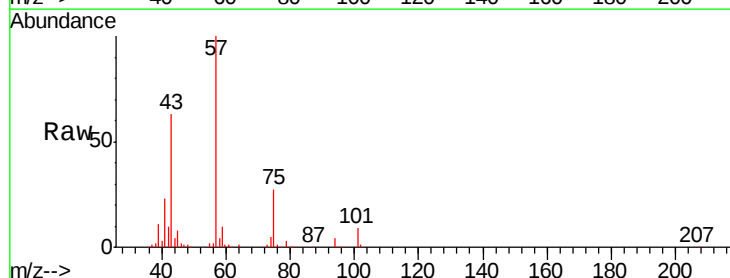
Tgt Ion: 75 Resp: 41795

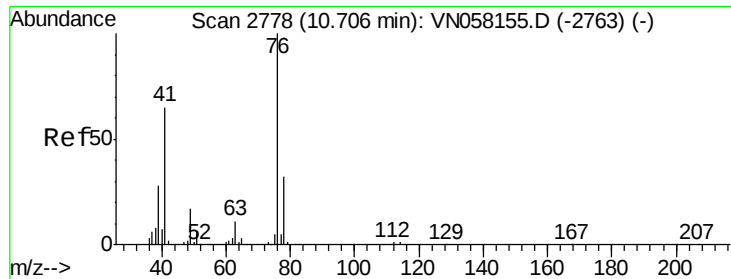
Ion Ratio Lower Upper

75 100

77 0.8 25.4 38.0#

39 41.3 45.0 67.6#





#57

1,3-Dichloropropane

Concen: 0.846 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

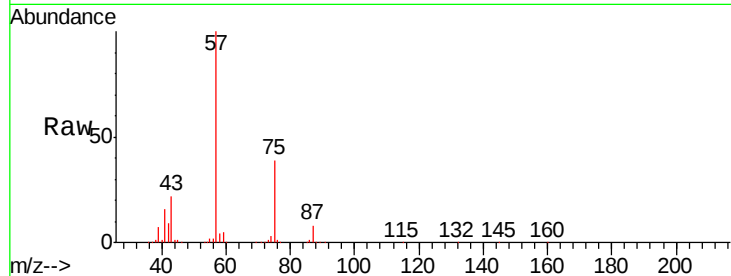
30476-80

Tgt Ion: 76 Resp: 6906

Ion Ratio Lower Upper

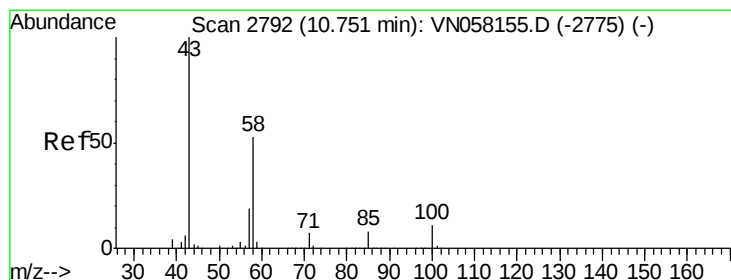
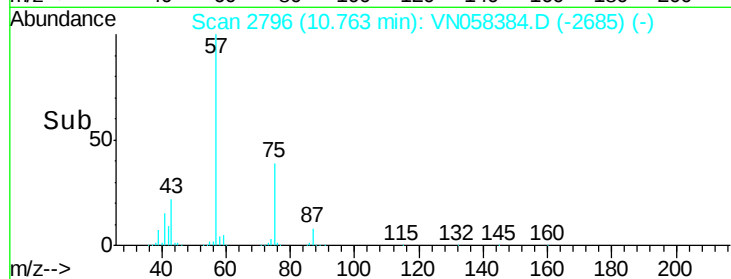
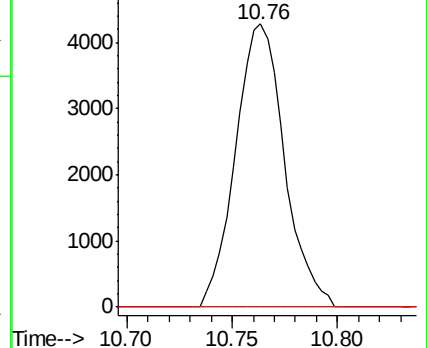
76 100

78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 25.489 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058384.D

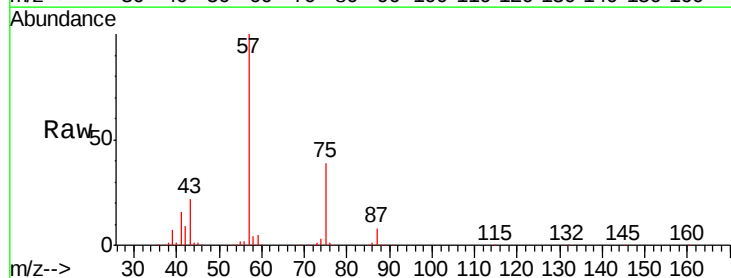
Acq: 26 Sep 2019 14:36

Tgt Ion: 43 Resp: 108920

Ion Ratio Lower Upper

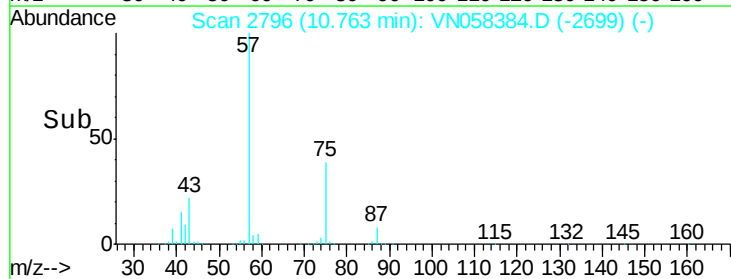
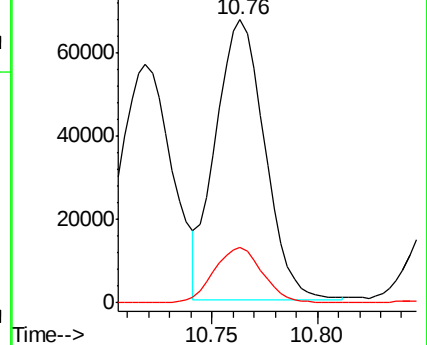
43 100

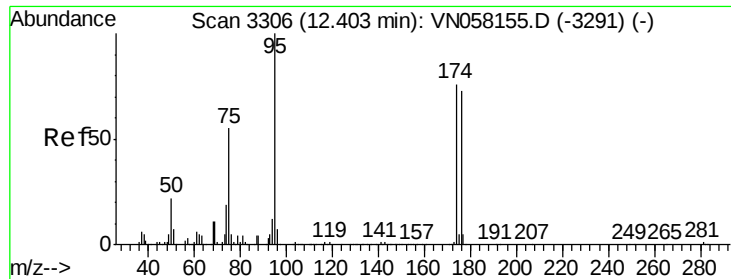
58 19.5 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 47.878 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

30476-80

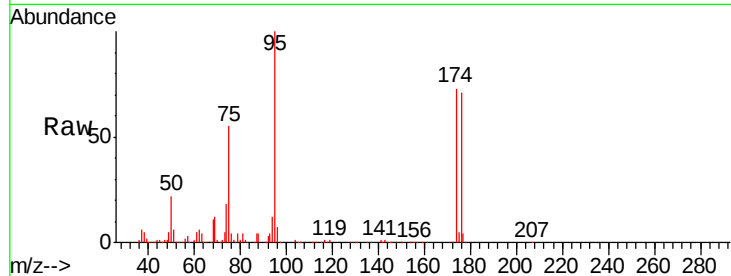
Tgt Ion: 95 Resp: 326471

Ion Ratio Lower Upper

95 100

174 73.4 0.0 152.2

176 71.5 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.41

200000

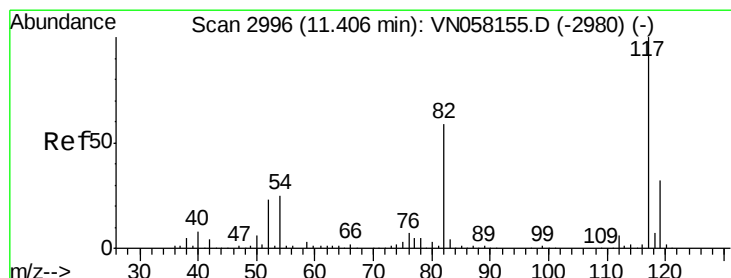
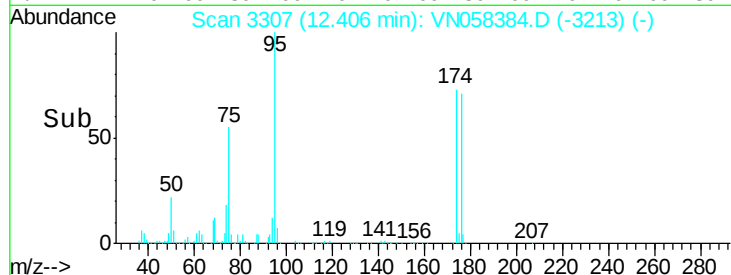
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

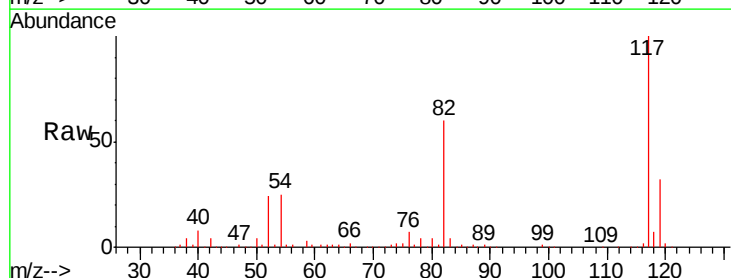
Tgt Ion: 117 Resp: 669259

Ion Ratio Lower Upper

117 100

82 59.6 46.9 70.3

119 31.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

500000

400000

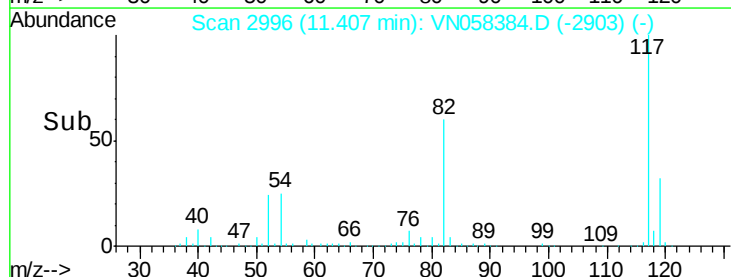
300000

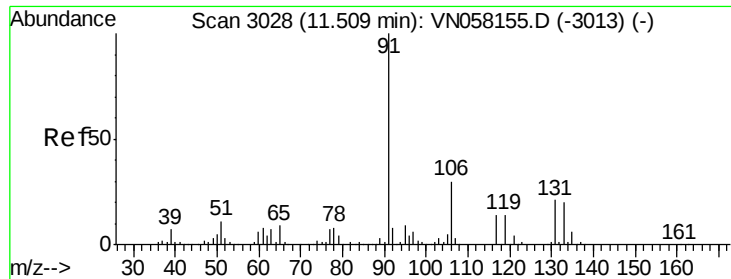
200000

100000

0

Time--> 11.30 11.40 11.50

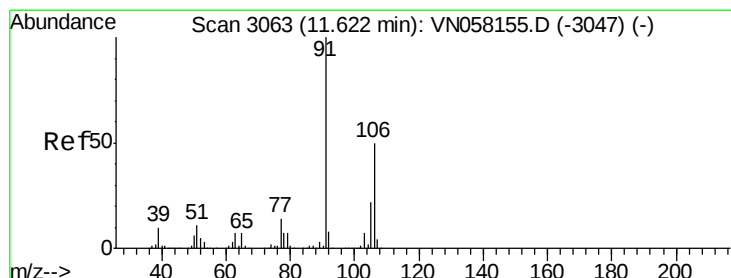
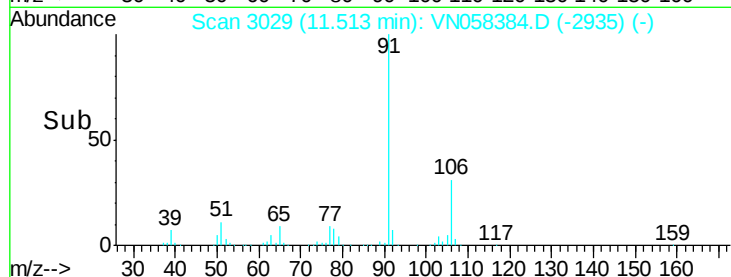
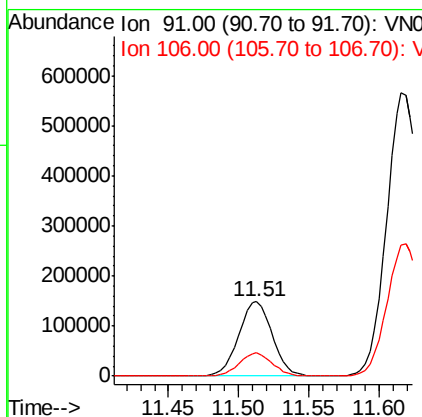
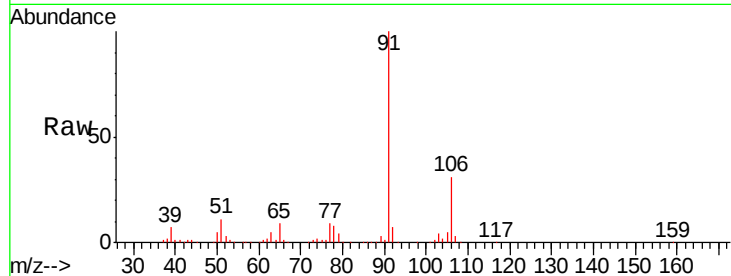




#67
Ethyl Benzene
Concen: 12.384 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

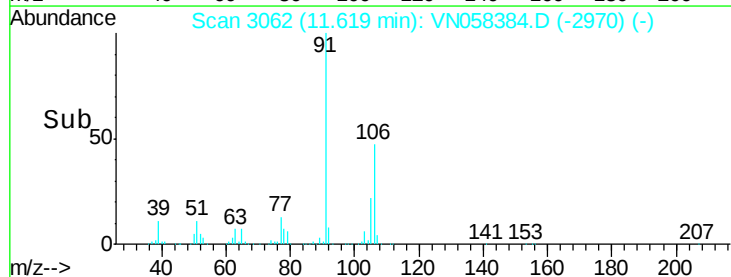
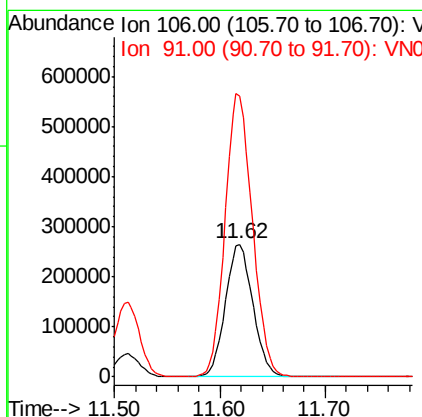
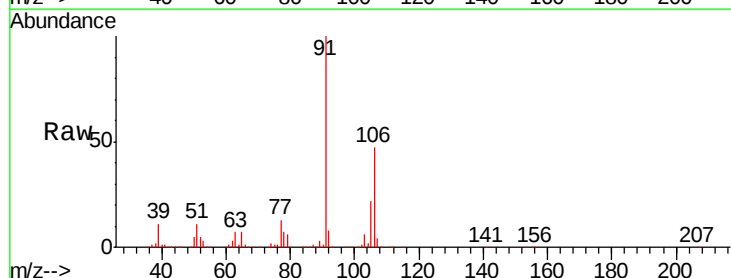
Instrument :
MSVOA_N
ClientSampled :
30476-80

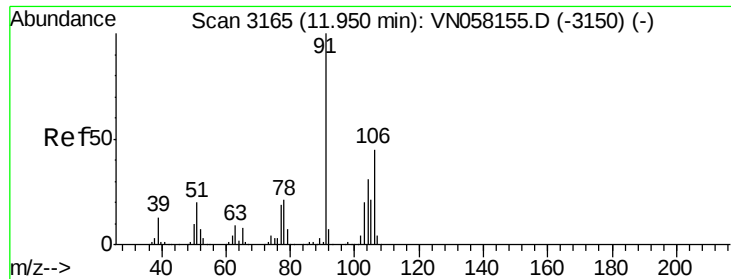
Tgt Ion: 91 Resp: 249803
Ion Ratio Lower Upper
91 100
106 30.7 24.0 36.0



#68
m/p-Xylenes
Concen: 62.721 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion: 106 Resp: 476489
Ion Ratio Lower Upper
106 100
91 212.3 163.6 245.4

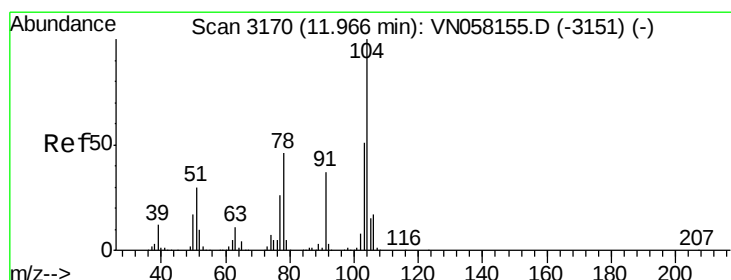
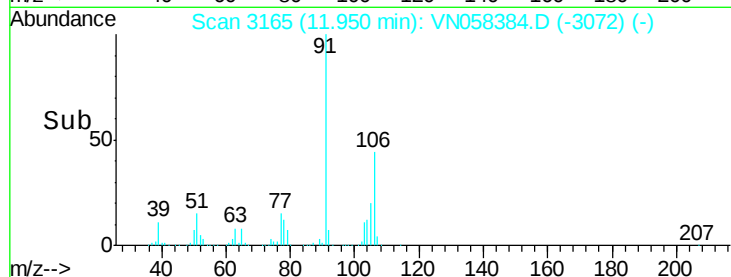
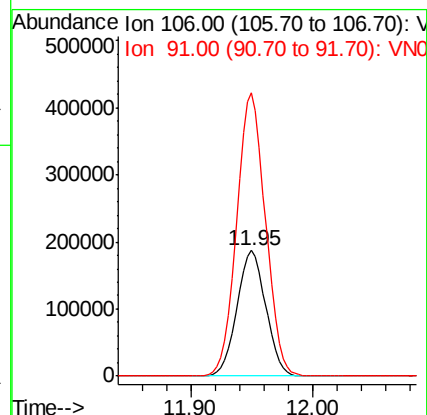
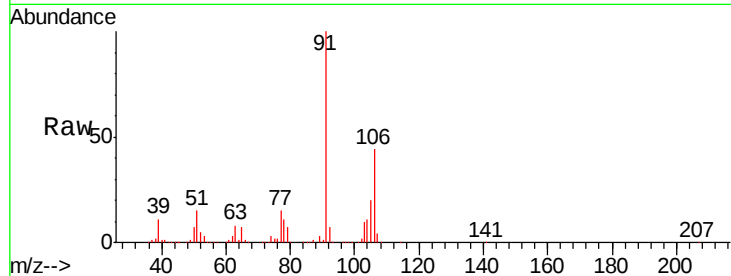




#69
o-Xylene
Concen: 41.185 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

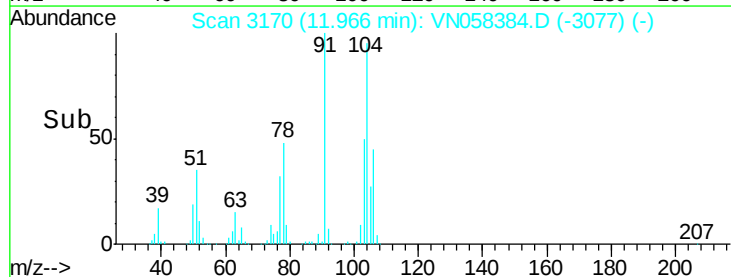
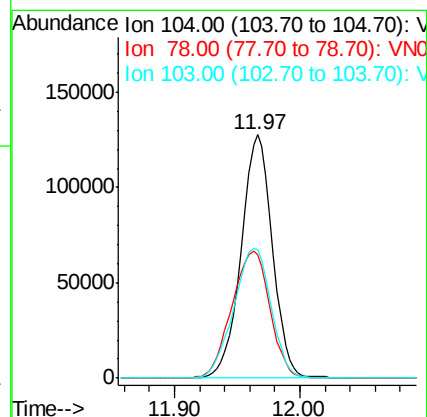
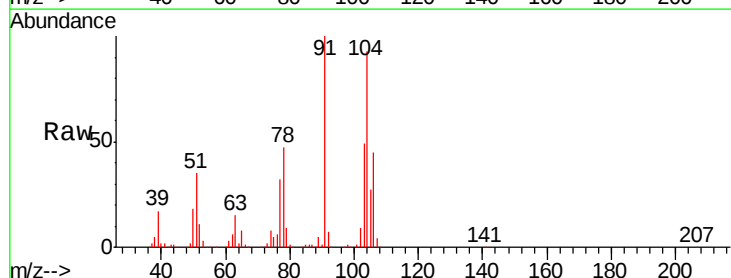
Instrument :
MSVOA_N
ClientSampled :
30476-80

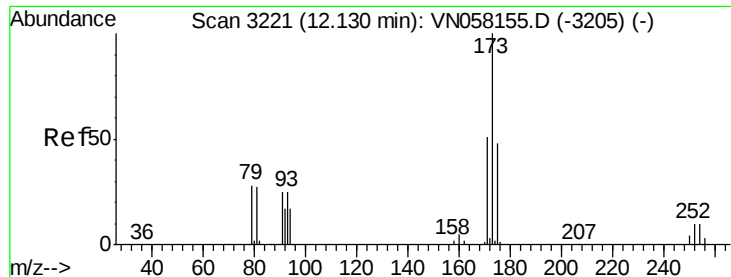
Tgt Ion:106 Resp: 307652
Ion Ratio Lower Upper
106 100
91 224.6 111.8 335.3



#70
Styrene
Concen: 17.172 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion:104 Resp: 221015
Ion Ratio Lower Upper
104 100
78 63.7 41.8 62.8#
103 63.9 44.2 66.2

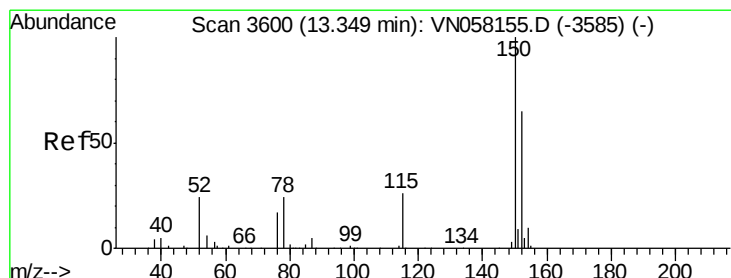
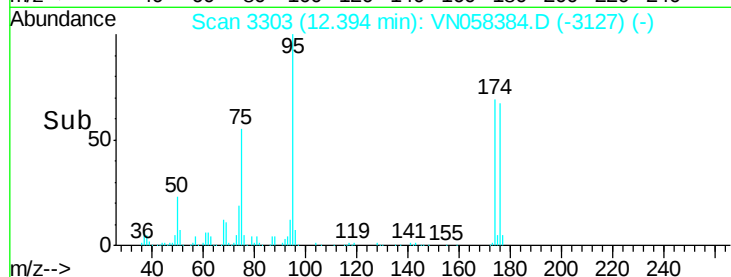
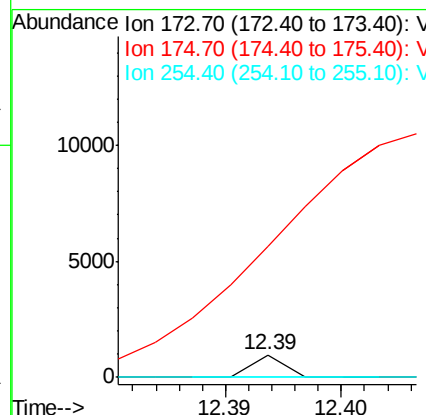
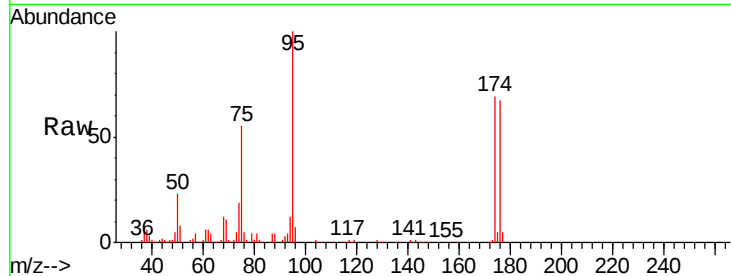




#71
Bromoform
Concen: 3.650 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

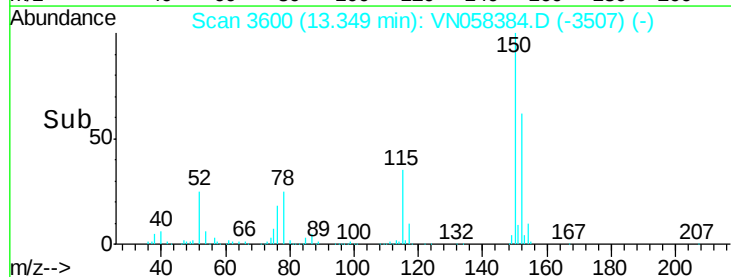
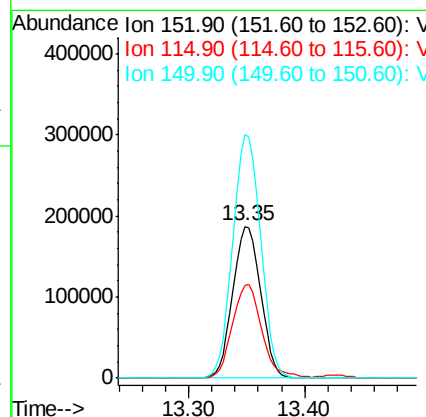
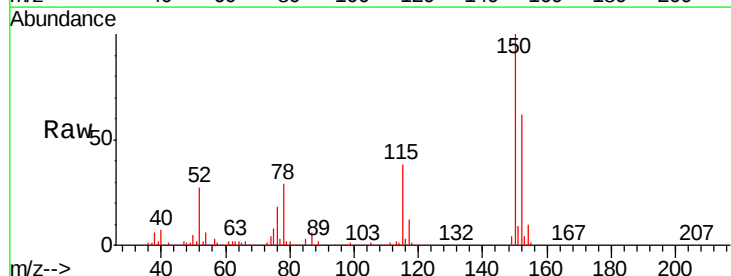
Instrument :
MSVOA_N
ClientSampled :
30476-80

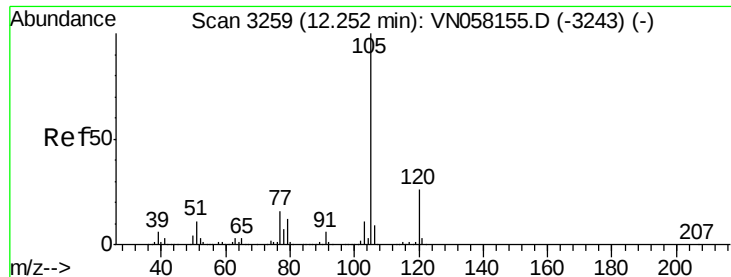
Tgt Ion:173 Resp: 187
Ion Ratio Lower Upper
173 100
175 8048.1 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion:152 Resp: 310637
Ion Ratio Lower Upper
152 100
115 64.2 30.1 90.3
150 160.8 0.0 346.4





#73

Isopropylbenzene

Concen: 1.009 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

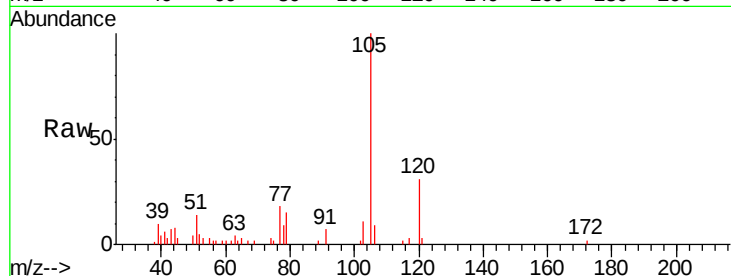
30476-80

Tgt Ion:105 Resp: 19617

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

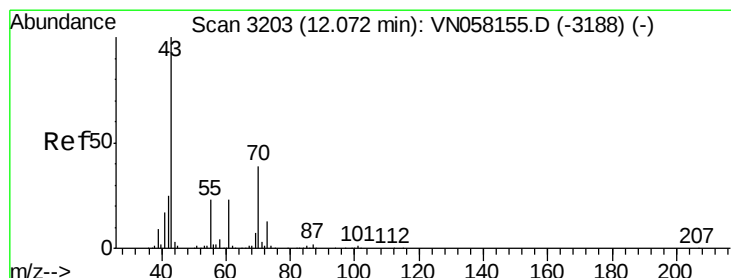
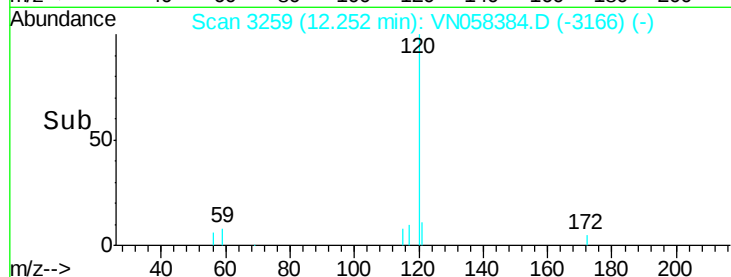
4000

2000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 0.958 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Tgt Ion: 43 Resp: 7794

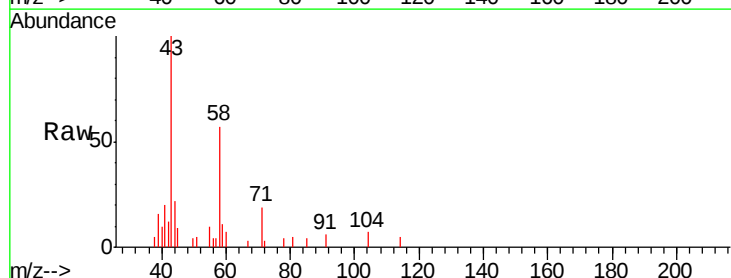
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 3.4 18.5 27.7#

61 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

6000

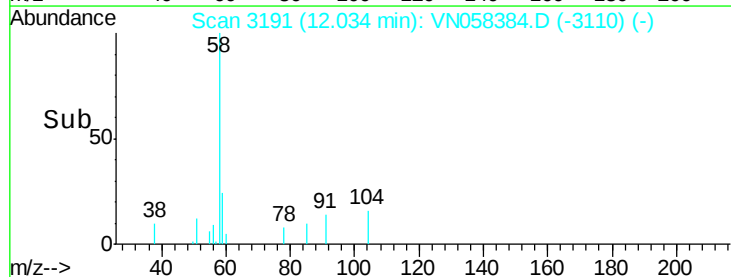
4000

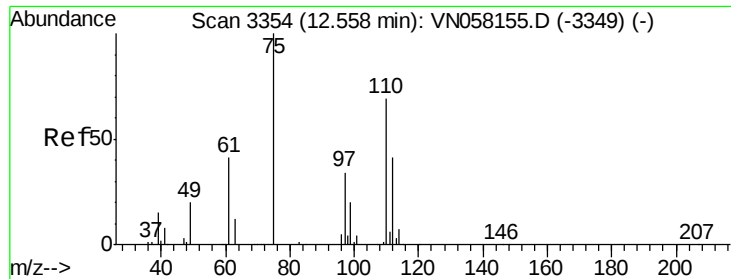
2000

0

12.00 12.05 12.10

Time-->





#76

1,2,3-Trichloropropane

Concen: 31.973 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

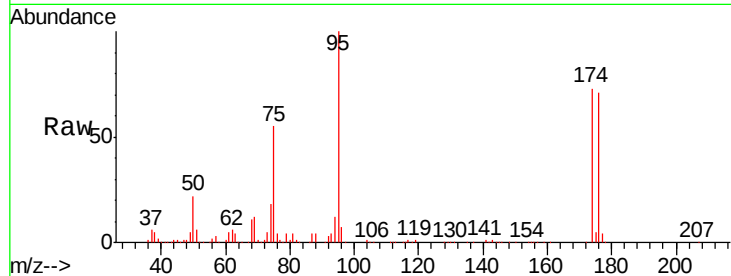
30476-80

Tgt Ion: 75 Resp: 177749

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

12.41

100000

80000

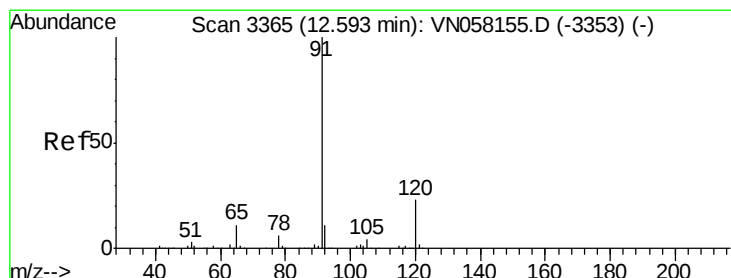
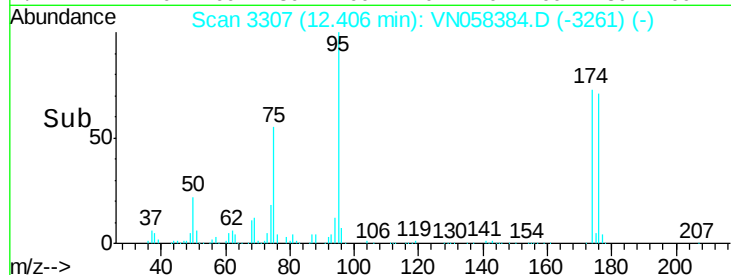
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 1.300 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058384.D

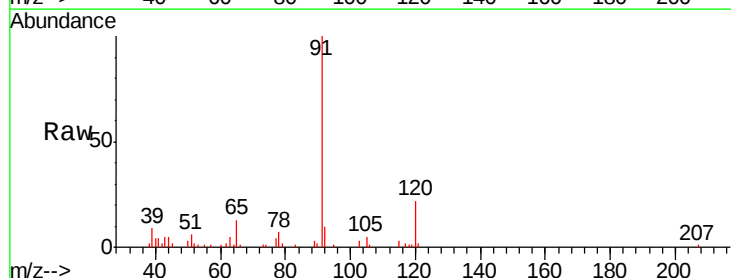
Acq: 26 Sep 2019 14:36

Tgt Ion: 91 Resp: 28714

Ion Ratio Lower Upper

91 100

120 20.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.60

20000

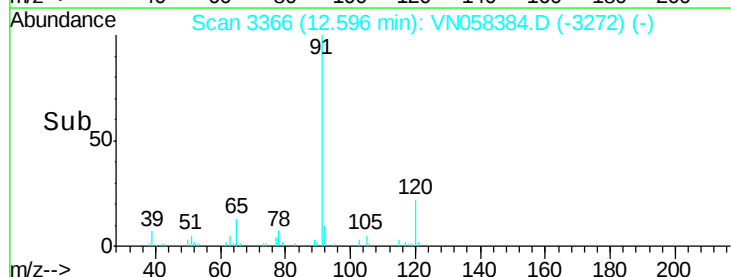
15000

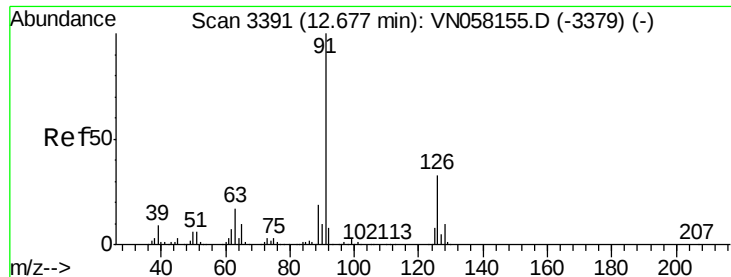
10000

5000

0

Time--> 12.55 12.60 12.65

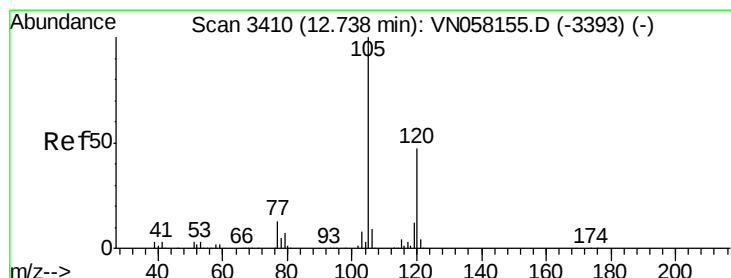
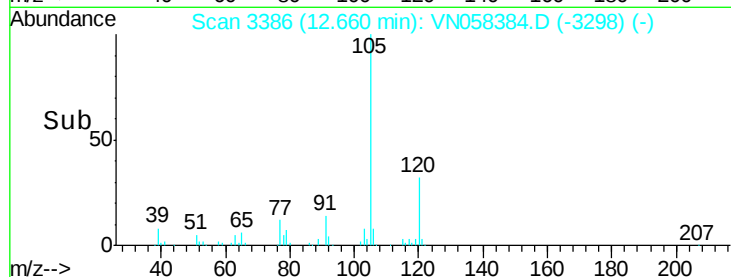
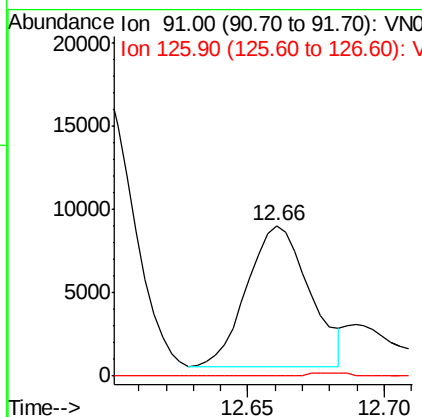
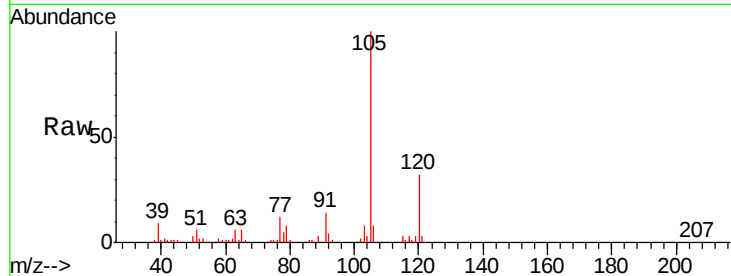




#79
 2-Chlorotoluene
 Concen: 0.966 ug/l
 RT: 12.66 min Scan# 3386
 Delta R.T. -0.02 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

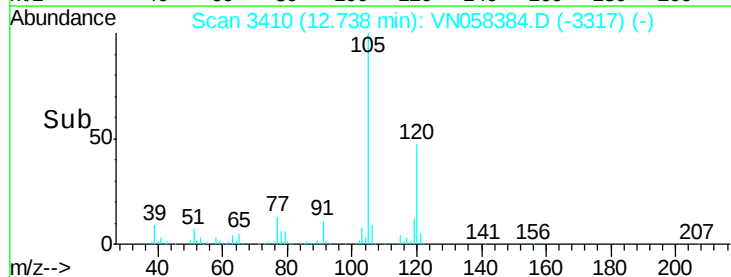
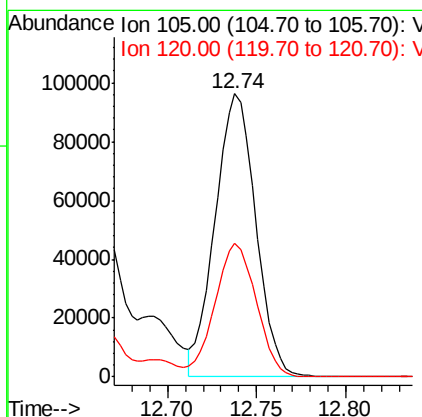
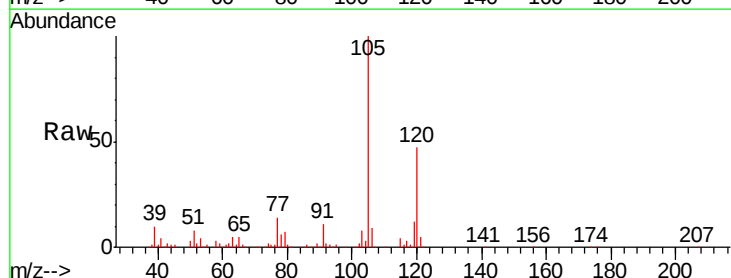
Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

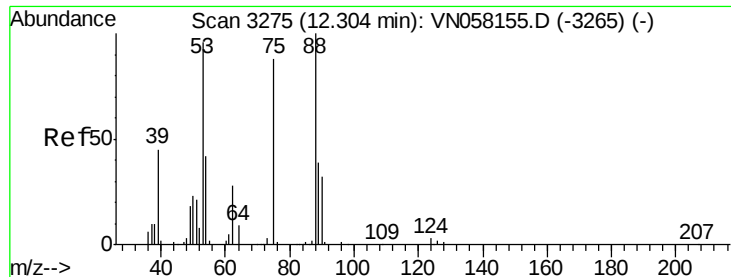
Tgt Ion: 91 Resp: 13342
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.4 49.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 9.202 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion: 105 Resp: 151298
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 89.938 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

30476-80

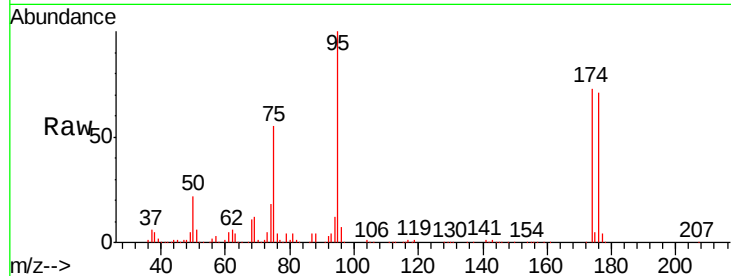
Tgt Ion: 75 Resp: 177749

Ion Ratio Lower Upper

75 100

53 0.2 90.1 135.1#

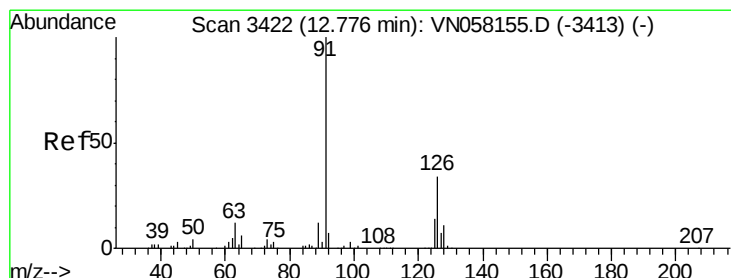
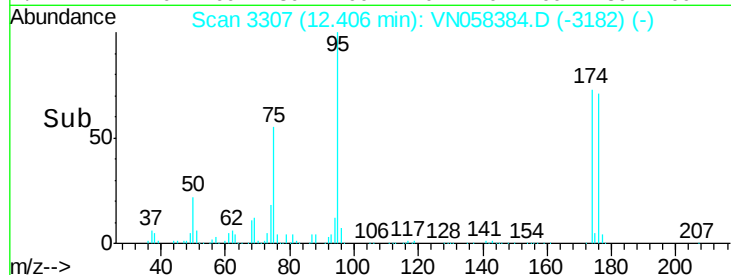
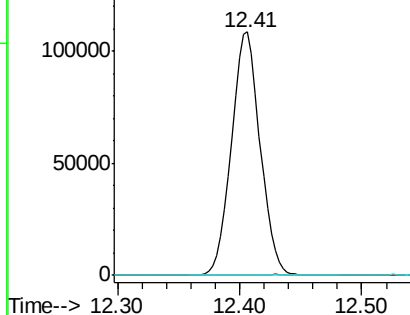
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.074 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058384.D

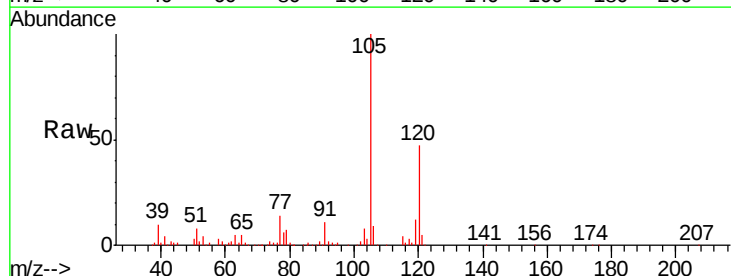
Acq: 26 Sep 2019 14:36

Tgt Ion: 91 Resp: 15585

Ion Ratio Lower Upper

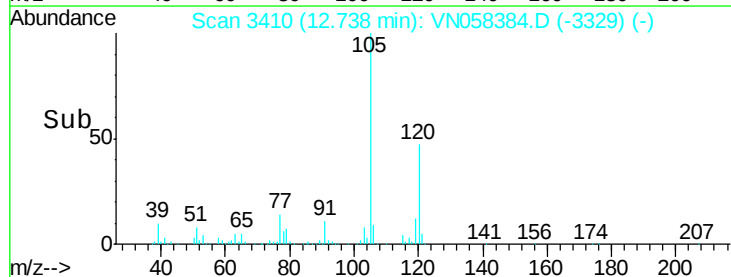
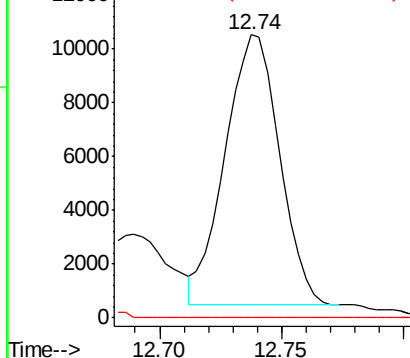
91 100

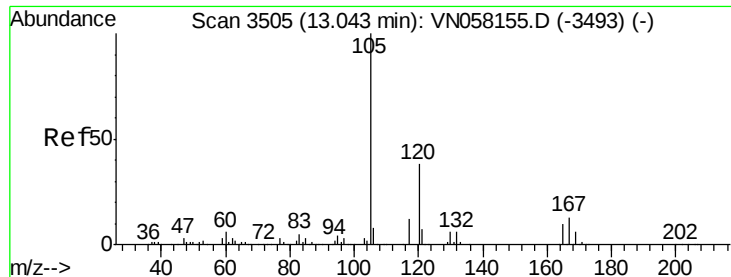
126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 23.720 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

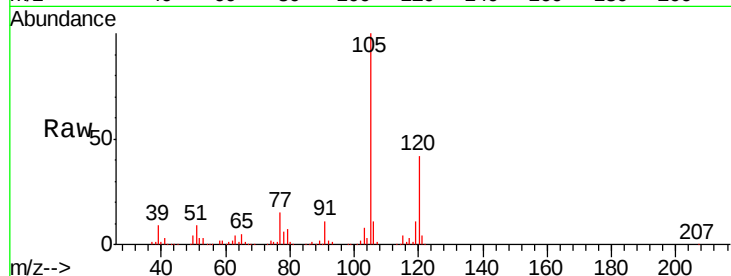
30476-80

Tgt Ion:105 Resp: 388116

Ion Ratio Lower Upper

105 100

120 37.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

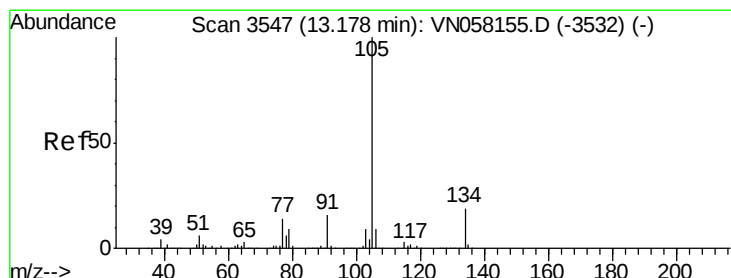
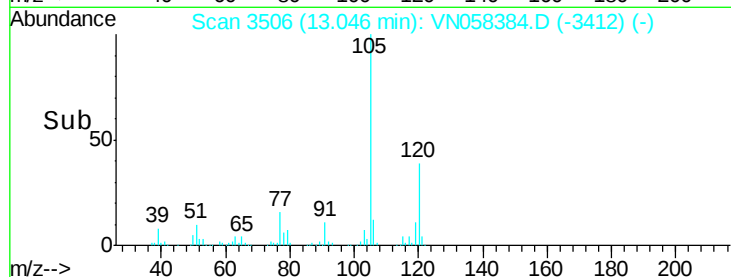
50000

0

13.05

13.10

Time-->



#85

sec-Butylbenzene

Concen: 20.242 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058384.D

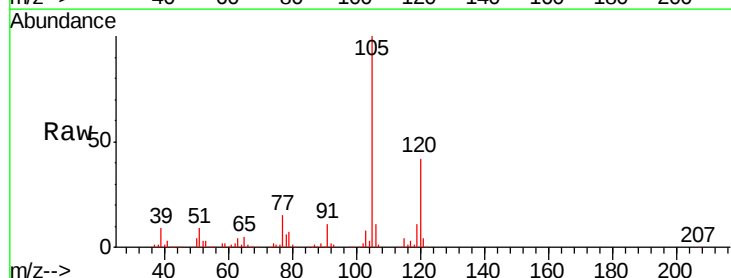
Acq: 26 Sep 2019 14:36

Tgt Ion:105 Resp: 388116

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

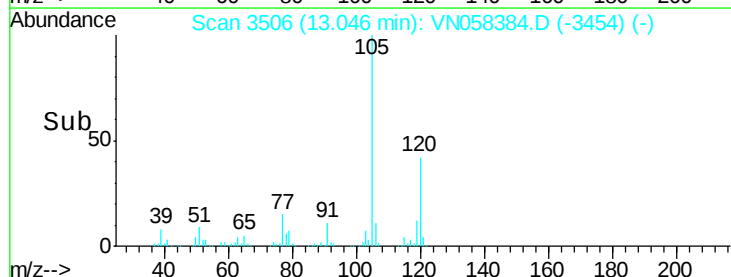
50000

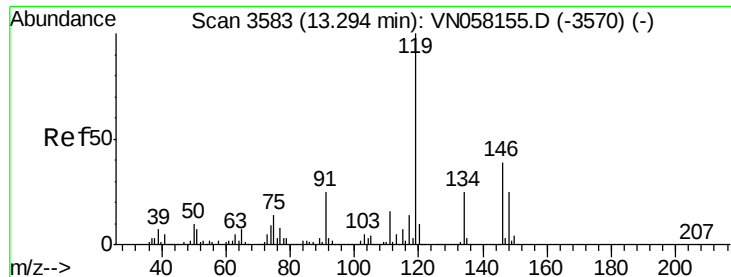
0

13.05

13.10

Time-->

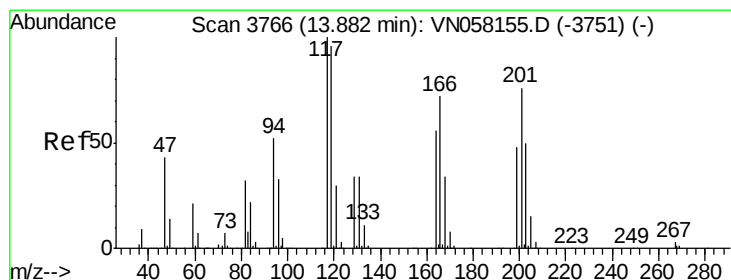
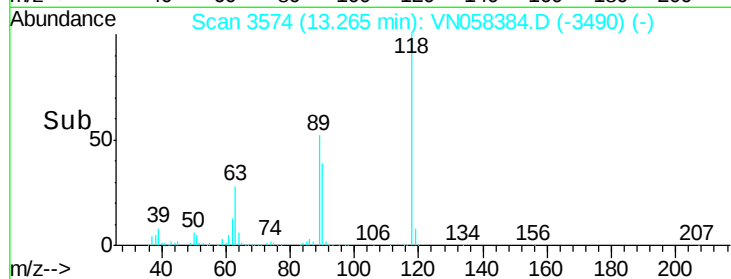
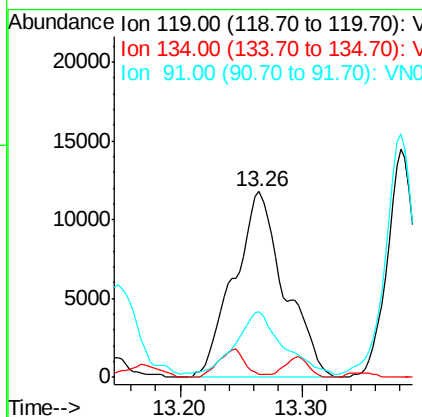
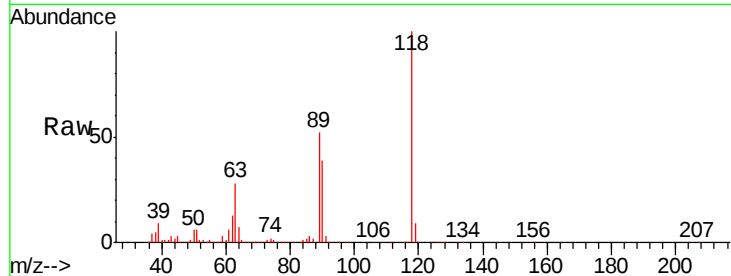




#86
 p-Isopropyltoluene
 Concen: 1.986 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.03 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

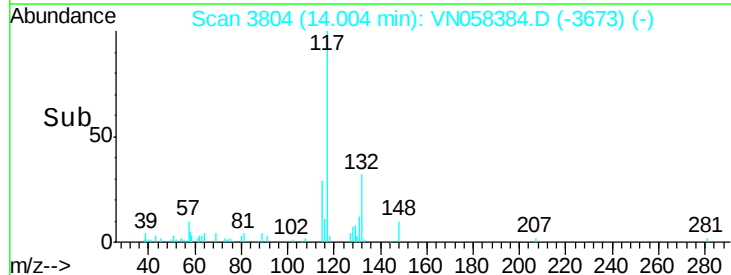
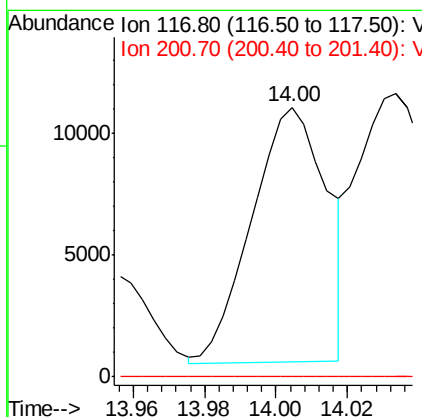
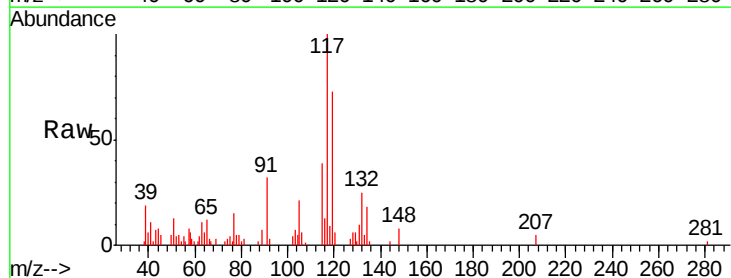
Instrument :
 MSVOA_N
 ClientSampled :
 30476-80

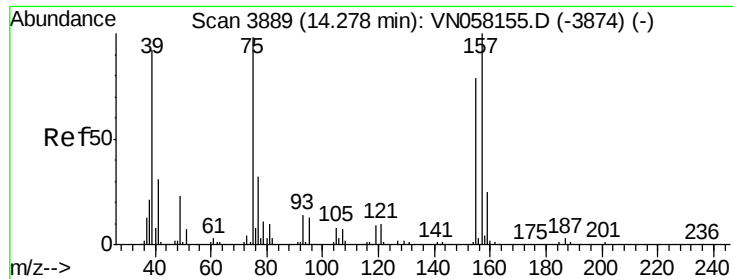
Tgt Ion:119 Resp: 33849
 Ion Ratio Lower Upper
 119 100
 134 8.1 12.7 38.0#
 91 31.1 12.3 36.8



#90
 Hexachloroethane
 Concen: 7.627 ug/l
 RT: 14.00 min Scan# 3804
 Delta R.T. 0.12 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion:117 Resp: 15221
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.5 112.5#

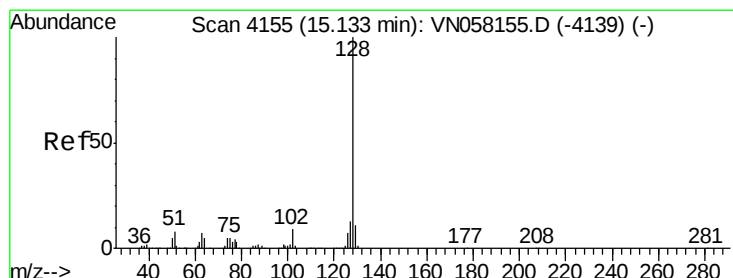
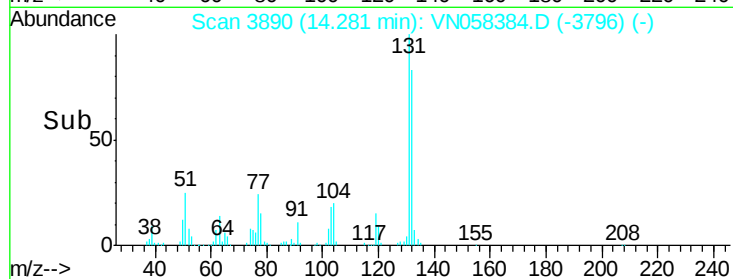
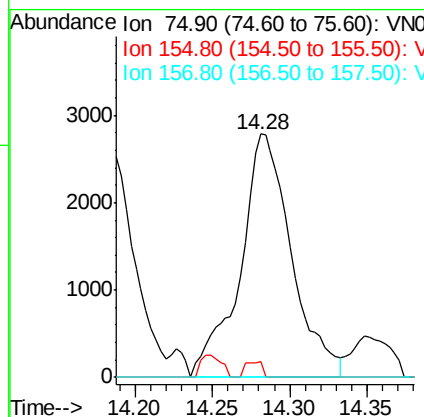
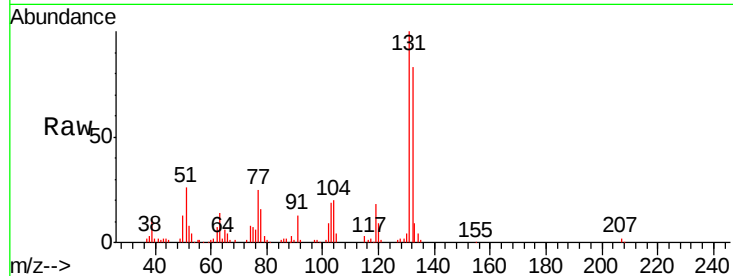




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.494 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

Tgt Ion: 75 Resp: 6440
 Ion Ratio Lower Upper
 75 100
 155 2.0 38.3 114.8#
 157 0.0 48.0 144.0#



#95
 Naphthalene
 Concen: 529.176 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion: 128 Resp: 7851863
 Ion Ratio Lower Upper
 128 100
 127 44.8 10.2 15.2#
 129 43.5 8.6 12.8#

