

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058652.D
 Acq On : 9 Oct 2019 19:54
 Operator : JC/SP
 Sample : K5152-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-02-100719

Quant Time: Oct 10 04:41:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	451225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	714099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	639651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271553	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	316084	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	7.57	113	231655	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
50) Toluene-d8	10.08	98	917387	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
62) 4-Bromofluorobenzene	12.41	95	306624	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2546	0.468	ug/l	93
5) Bromomethane	2.56	94	1120	0.396	ug/l #	78
14) Allyl chloride	4.52	41	329826	42.578	ug/l #	20
16) Acetone	3.80	43	13920	6.193	ug/l	94
18) Methyl Acetate	4.31	43	4460	0.789	ug/l #	83
20) Methylene Chloride	4.53	84	8021064	1546.279	ug/l #	80
25) 2-Butanone	6.82	43	1394	0.452	ug/l #	50
28) Bromochloromethane	7.18	49	2964	0.790	ug/l #	53
30) Chloroform	7.36	83	2698	0.284	ug/l	93
31) Cyclohexane	7.65	56	10562	1.157	ug/l #	17
36) 1,1-Dichloropropene	7.65	75	37185	5.446	ug/l #	50
38) Carbon Tetrachloride	7.65	117	45771	7.426	ug/l #	16
43) Isopropyl Acetate	8.15	43	108218	9.941	ug/l	99
45) 1,2-Dichloropropane	9.26	63	1941	0.369	ug/l #	43
48) Methyl methacrylate	9.17	41	6169	1.244	ug/l #	13
49) 1,4-Dioxane	9.26	88	62	0.935	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	4797	0.858	ug/l #	73
52) Toluene	10.15	92	3021	0.245	ug/l	84
54) cis-1,3-Dichloropropene	9.90	75	45731	5.993	ug/l #	63
56) Ethyl methacrylate	10.54	69	1965	0.288	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	8407	1.048	ug/l #	45
59) 2-Hexanone	10.76	43	120269	29.537	ug/l #	52
60) Dibromochloromethane	10.90	129	66	Below Cal	#	11
64) Tetrachloroethene	10.63	164	876	0.216	ug/l	86
67) Ethyl Benzene	11.51	91	57355	2.490	ug/l	95
68) m/p-Xylenes	11.62	106	35306	4.075	ug/l	100
69) o-Xylene	11.95	106	18079	2.167	ug/l	93
71) Bromoform	12.39	173	141	0.742	ug/l #	29
73) Isopropylbenzene	12.25	105	14924	0.744	ug/l	98
74) N-amyl acetate	12.04	43	4385	0.549	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	166588	33.587	ug/l #	100
78) n-propylbenzene	12.60	91	16221	0.717	ug/l	98
79) 2-Chlorotoluene	12.66	91	6288	0.451	ug/l #	52
80) 1,3,5-Trimethylbenzene	12.74	105	38352	2.283	ug/l	100

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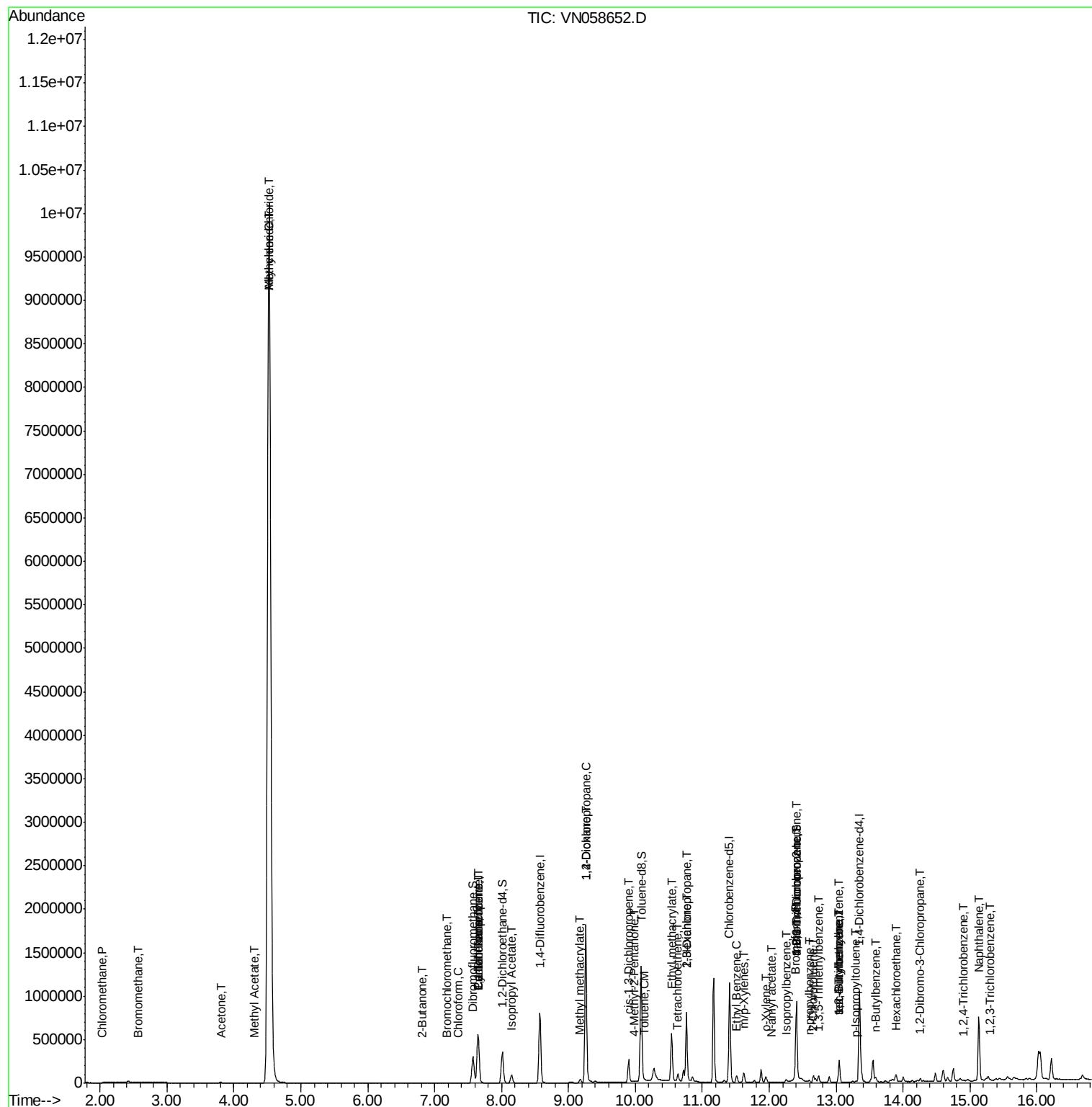
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	166588	102.007	ug/l #	7
83) tert-Butylbenzene	13.05	119	18146	1.280	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.05	105	146758	8.719	ug/l	99
85) sec-Butylbenzene	13.05	105	146758	7.866	ug/l #	58
86) p-Isopropyltoluene	13.29	119	6222	0.379	ug/l	95
89) n-Butylbenzene	13.59	91	2976	0.200	ug/l #	1
90) Hexachloroethane	13.89	117	3729	1.511	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	363	0.347	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	1051	0.232	ug/l #	86
95) Naphthalene	15.13	128	575705	43.389	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	1247	0.249	ug/l #	76

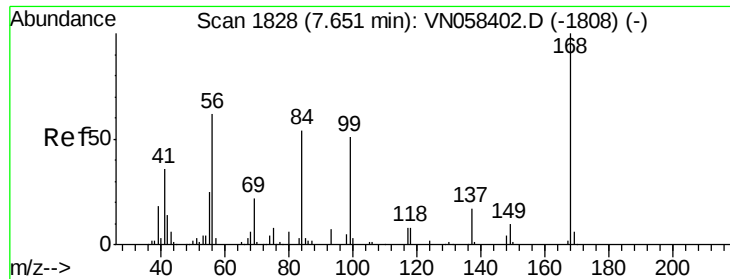
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

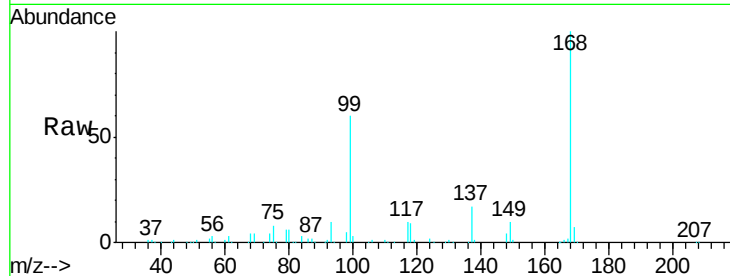
SU-02-100719

Tgt Ion:168 Resp: 451225

Ion Ratio Lower Upper

168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

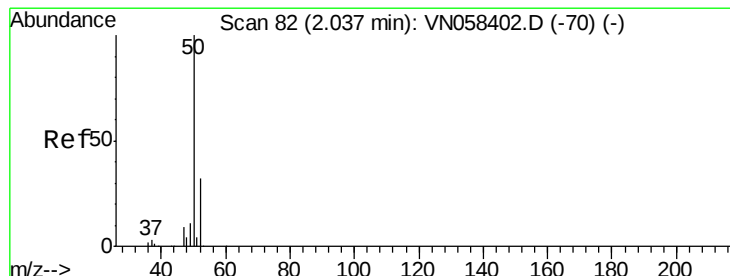
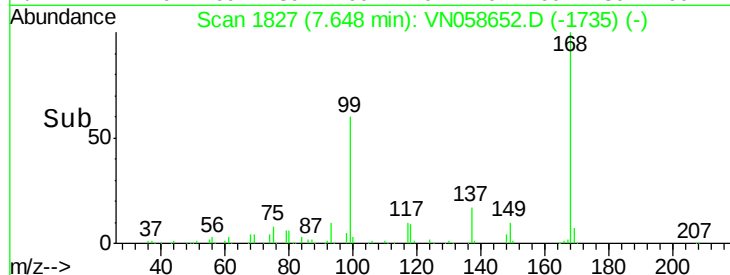
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.468 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058652.D

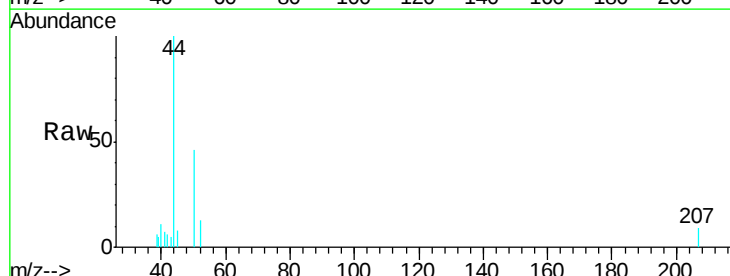
Acq: 9 Oct 2019 19:54

Tgt Ion: 50 Resp: 2546

Ion Ratio Lower Upper

50 100

52 28.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1500

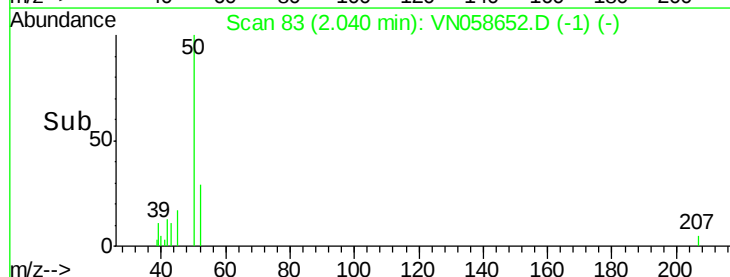
1000

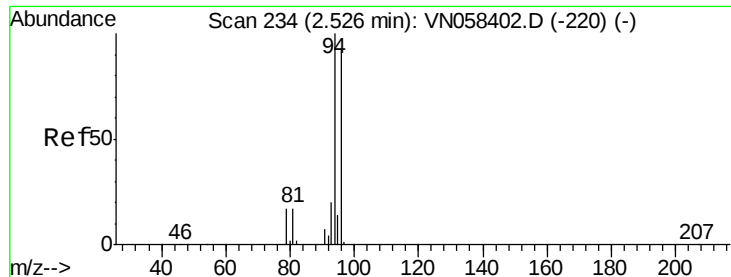
500

0

2.00 2.05 2.10

Time-->





#5

Bromomethane

Concen: 0.396 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

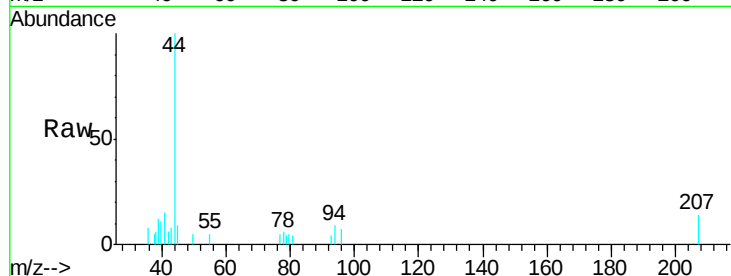
SU-02-100719

Tgt Ion: 94 Resp: 1120

Ion Ratio Lower Upper

94 100

96 71.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

400

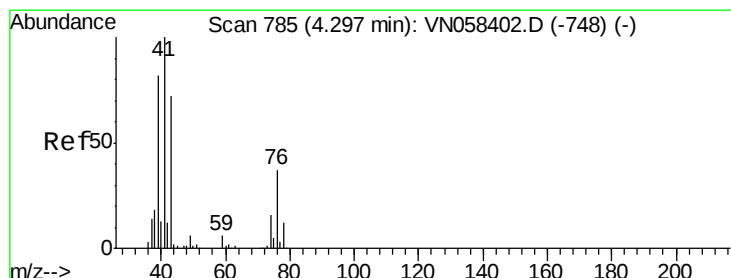
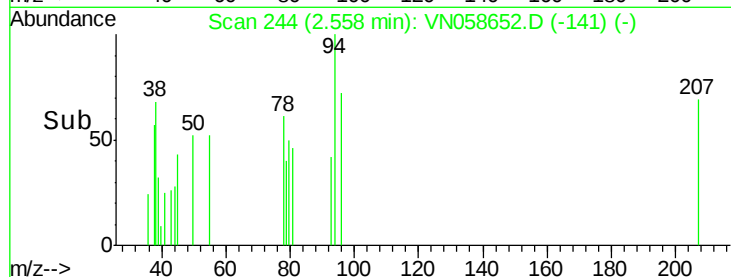
300

200

100

0

Time-->



#14

Allyl chloride

Concen: 42.578 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.23 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

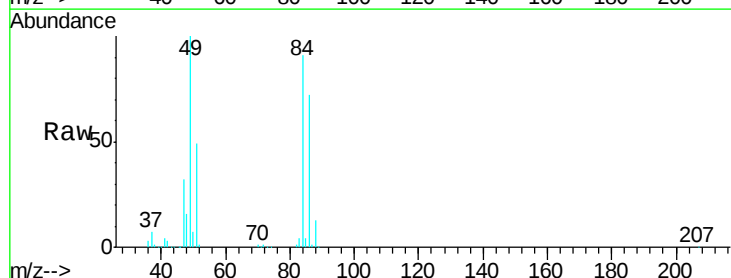
Tgt Ion: 41 Resp: 329826

Ion Ratio Lower Upper

41 100

39 0.7 62.3 93.5#

76 0.0 26.9 40.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

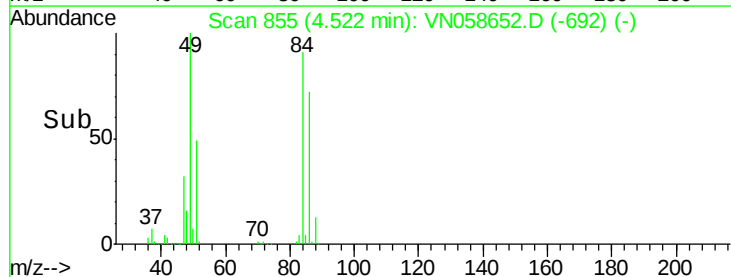
4.52

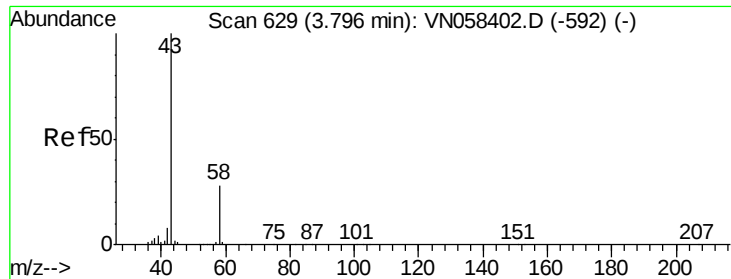
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50000

0

Time-->

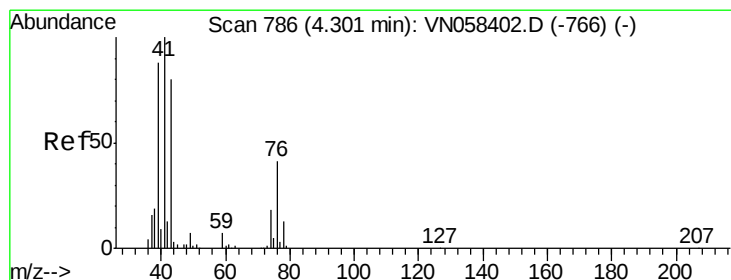
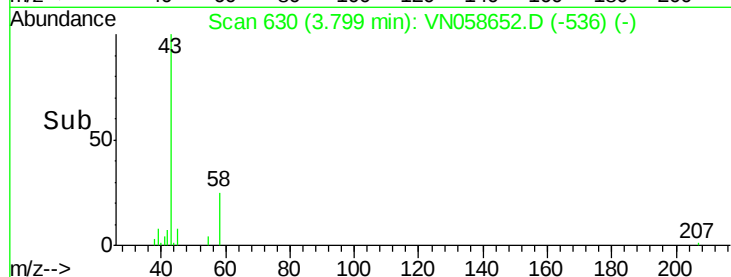
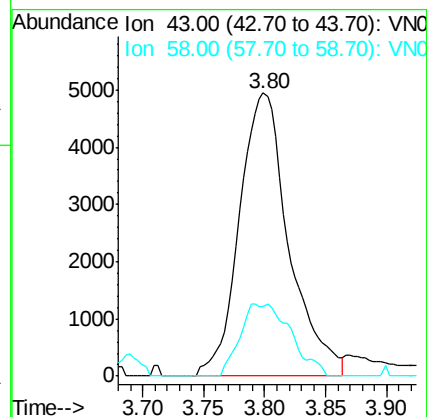
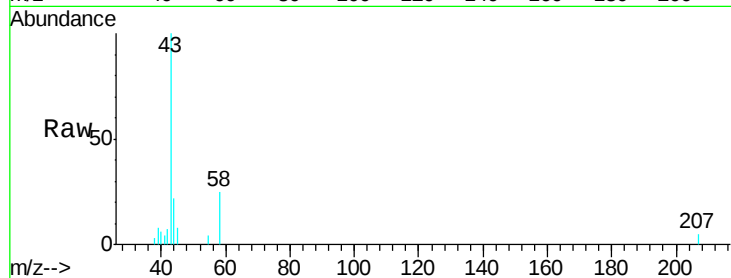




#16
Acetone
Concen: 6.193 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

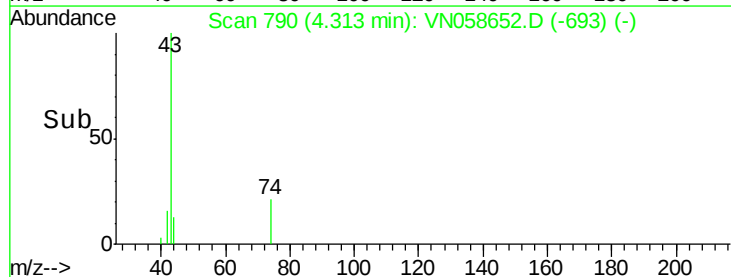
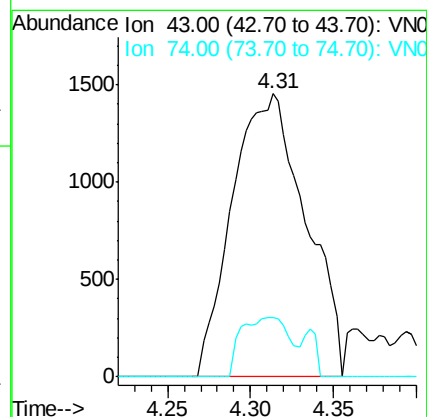
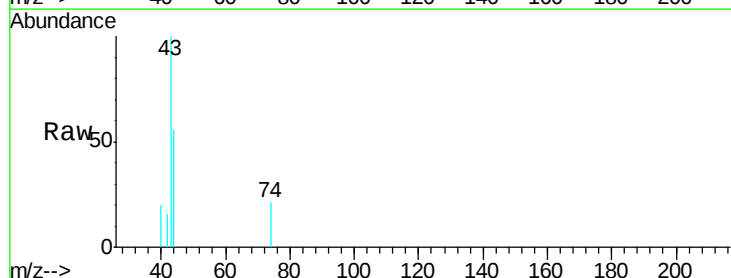
Instrument :
MSVOA_N
ClientSampled :
SU-02-100719

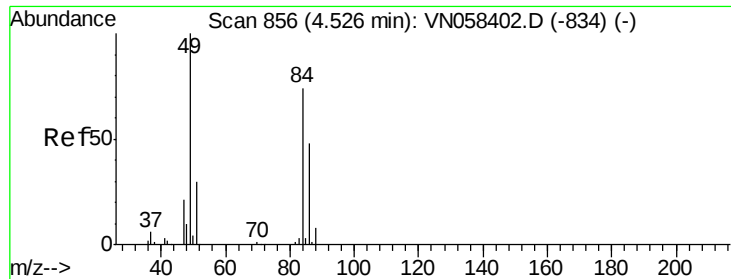
Tgt Ion: 43 Resp: 13920
Ion Ratio Lower Upper
43 100
58 24.8 22.4 33.6



#18
Methyl Acetate
Concen: 0.789 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

Tgt Ion: 43 Resp: 4460
Ion Ratio Lower Upper
43 100
74 14.1 18.0 27.0#

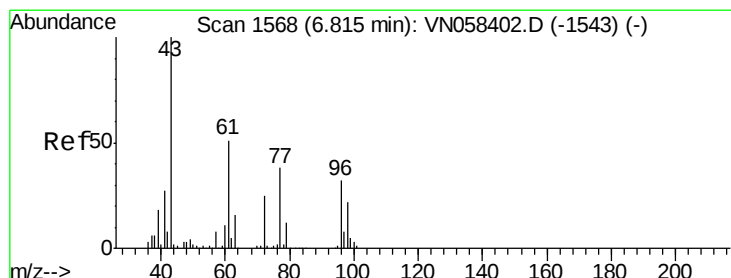
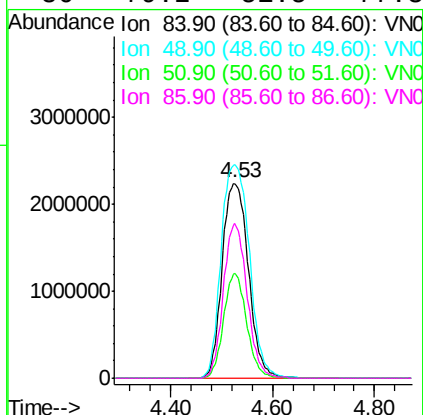
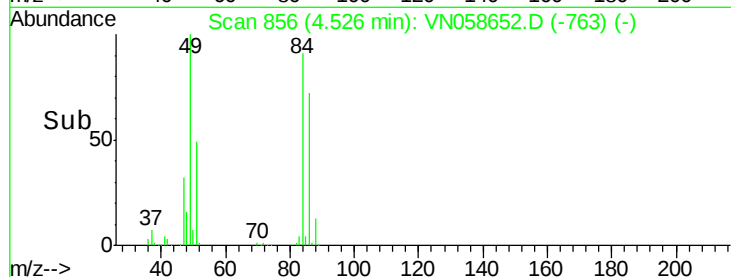
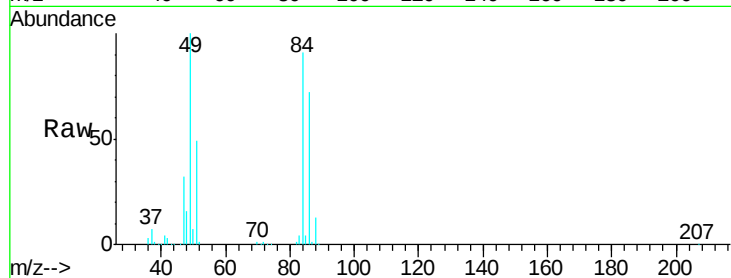




#20
Methylene Chloride
Concen: 1546.279 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

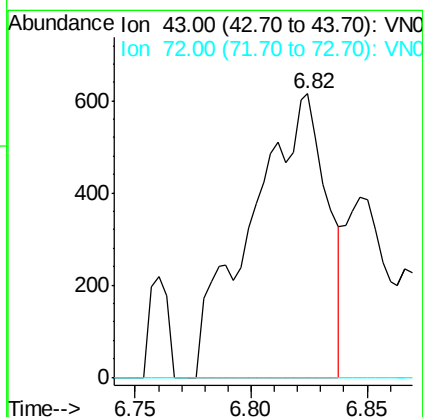
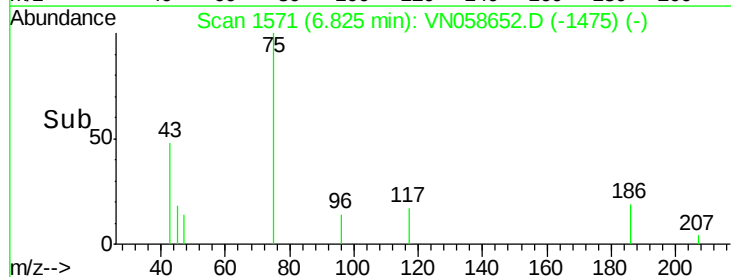
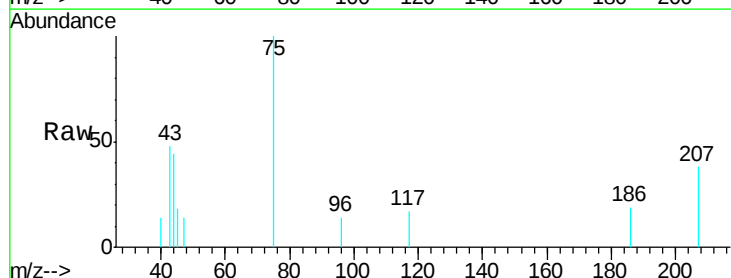
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MSVOA_N
ClientSampleId :
SU-02-100719

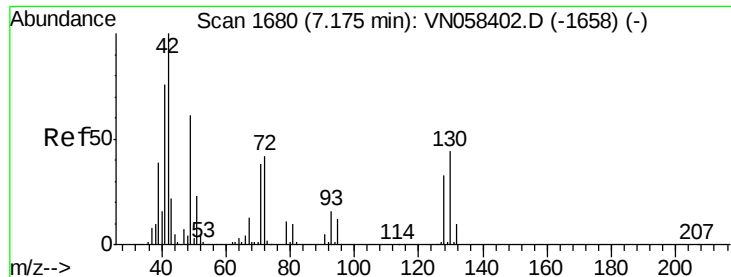
Tgt Ion: 84 Resp: 8021064
Ion Ratio Lower Upper
84 100
49 109.6 107.9 161.9
51 53.7 32.8 49.2#
86 79.2 51.5 77.3#



#25
2-Butanone
Concen: 0.452 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#28

Bromochloromethane

Concen: 0.790 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

SU-02-100719

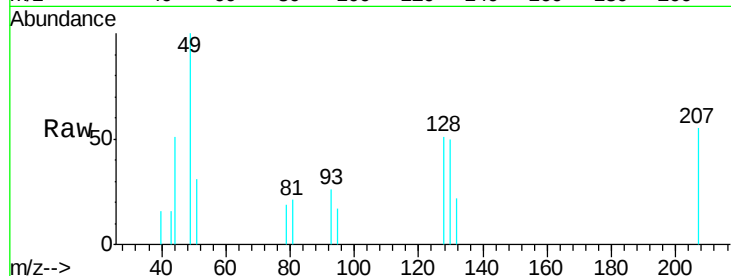
Tgt Ion: 49 Resp: 2964

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

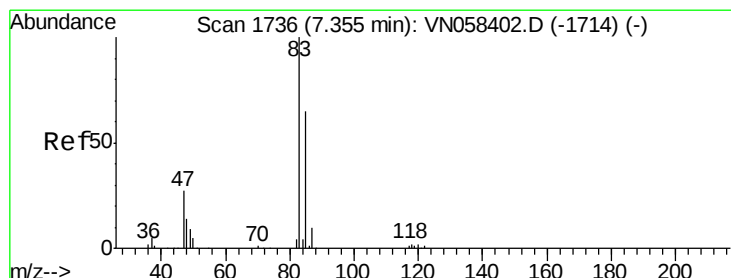
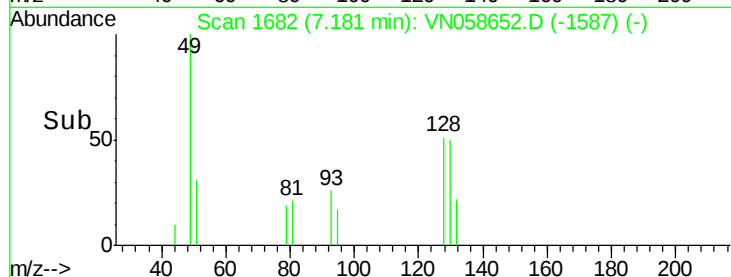
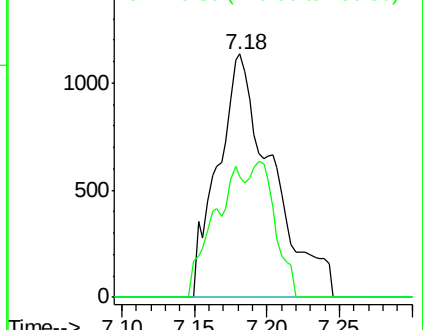
130 31.1 56.3 84.5#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0



#30

Chloroform

Concen: 0.284 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058652.D

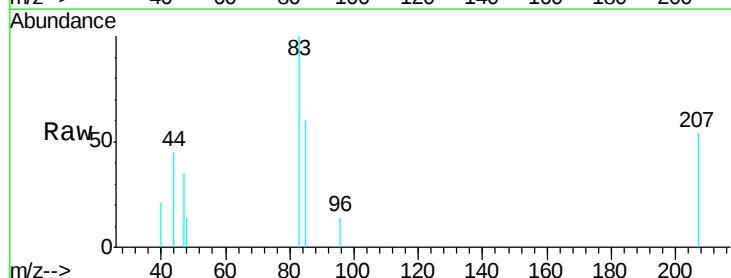
Acq: 9 Oct 2019 19:54

Tgt Ion: 83 Resp: 2698

Ion Ratio Lower Upper

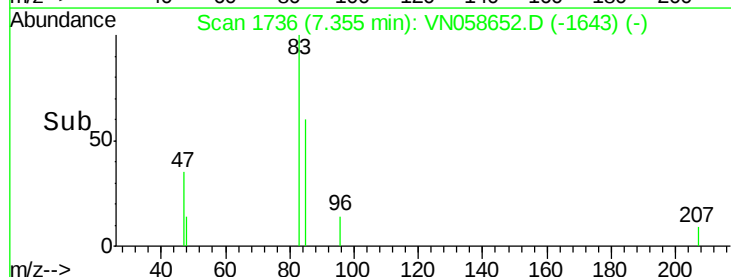
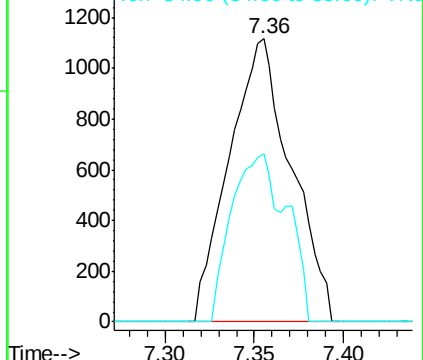
83 100

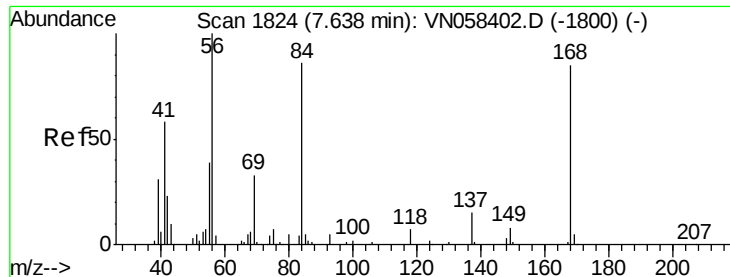
85 59.6 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

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SU-02-100719

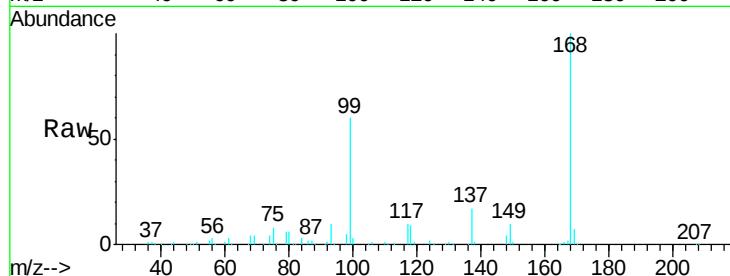
Tgt Ion: 56 Resp: 10562

Ion Ratio Lower Upper

56 100

69 153.4 26.2 39.4#

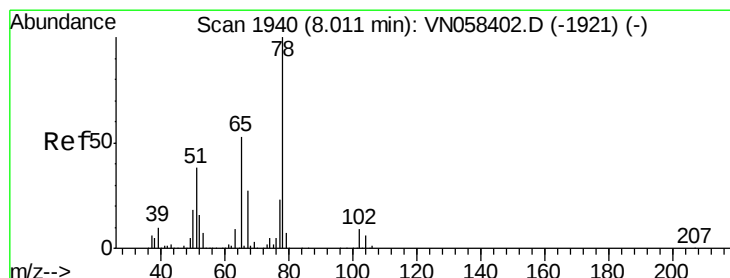
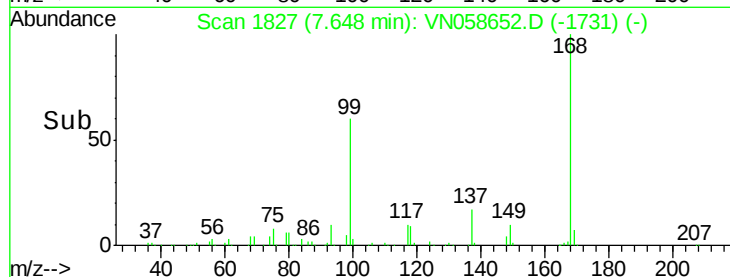
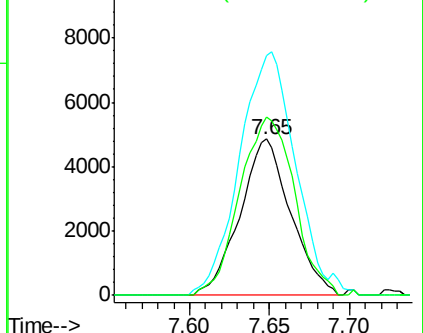
84 113.9 67.6 101.4#



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: 47.936 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058652.D

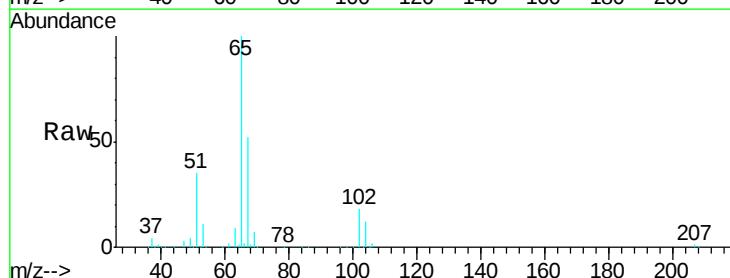
Acq: 9 Oct 2019 19:54

Tgt Ion: 65 Resp: 316084

Ion Ratio Lower Upper

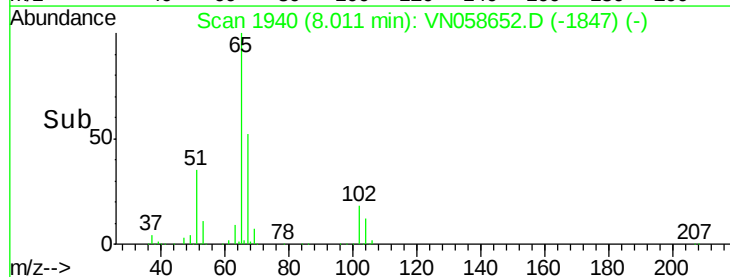
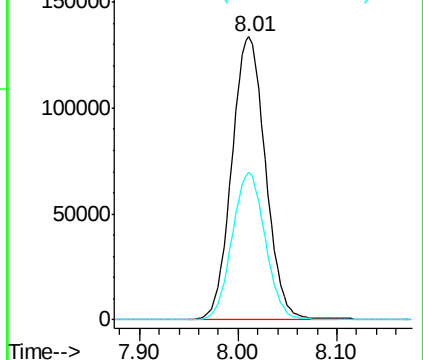
65 100

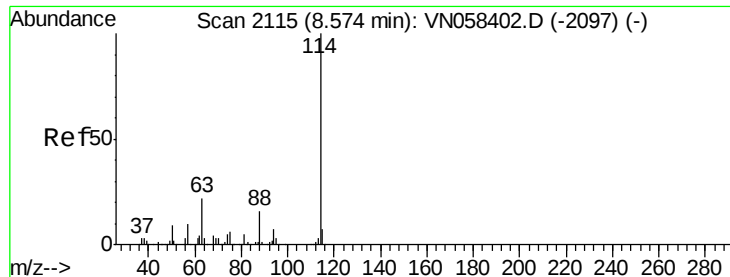
67 51.3 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

SU-02-100719

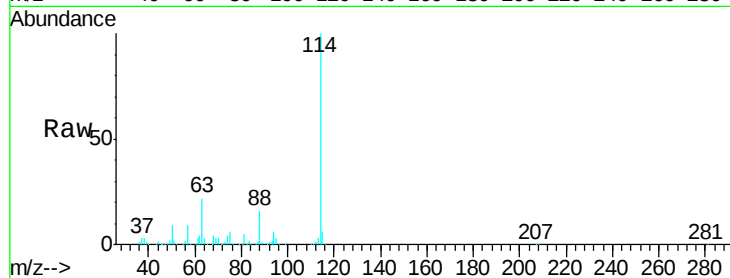
Tgt Ion:114 Resp: 714099

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

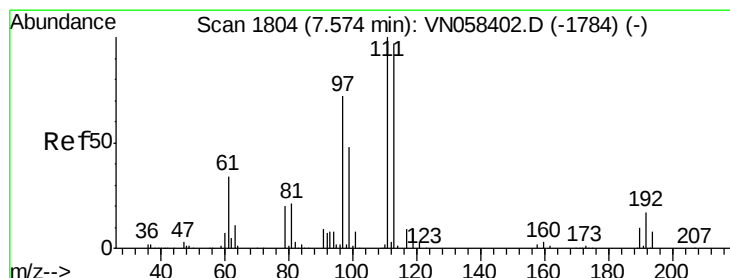
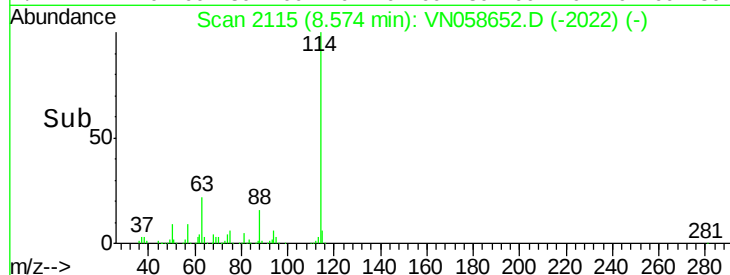
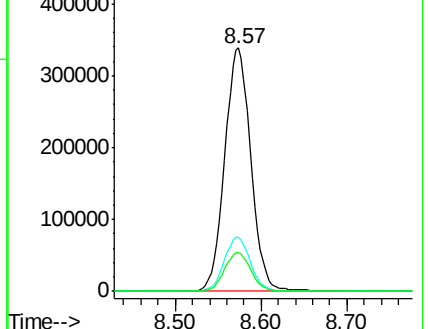
88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 52.930 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

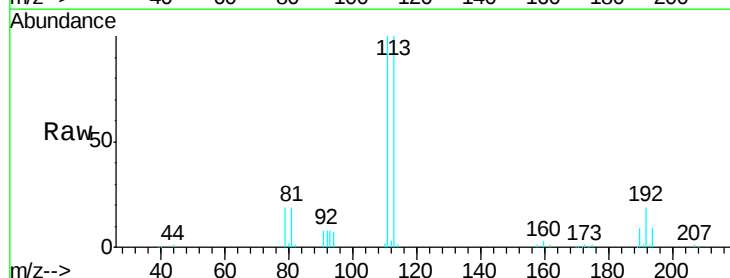
Tgt Ion:113 Resp: 231655

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.2

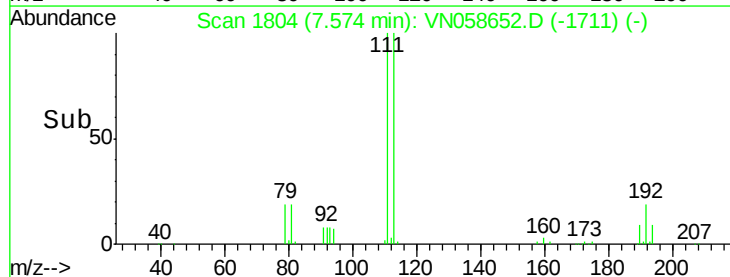
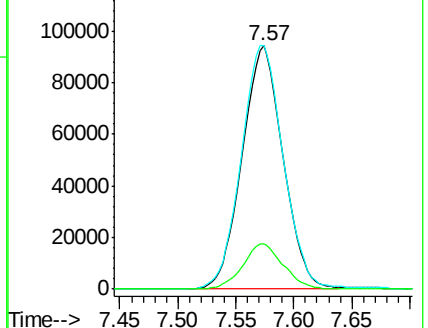
192 18.4 14.9 22.3

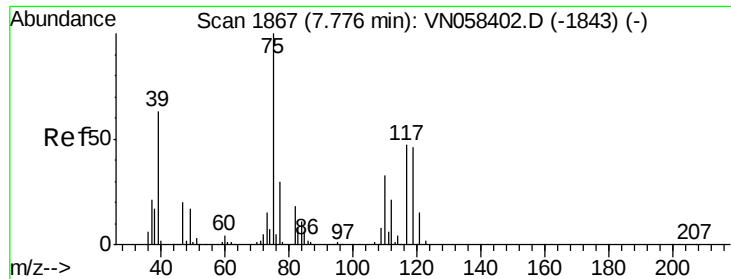


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

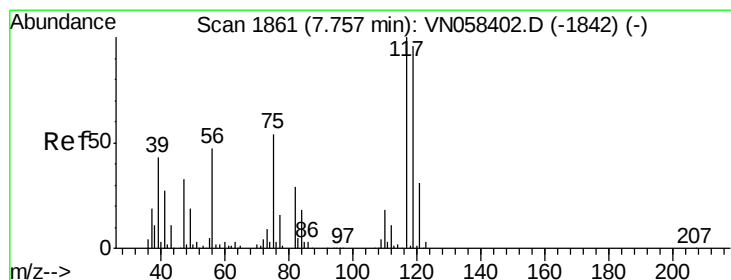
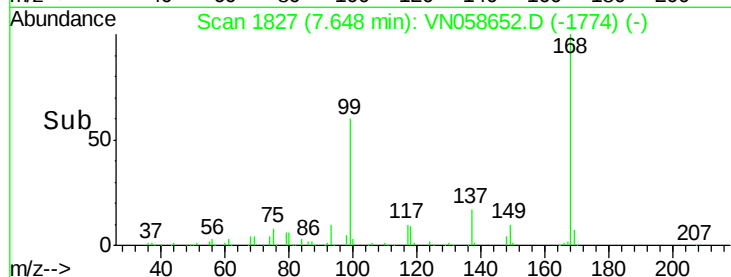
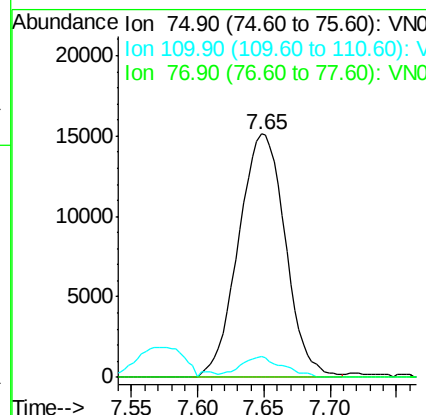
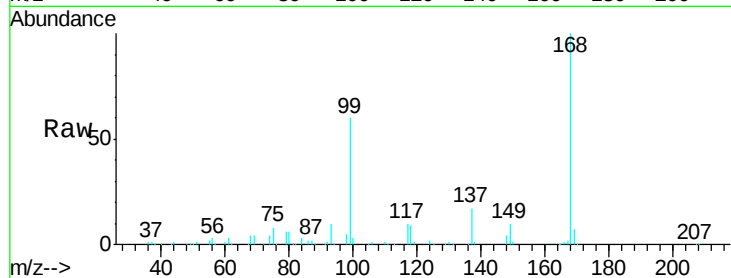




#36
 1,1-Dichloropropene
 Concen: 5.446 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058652.D
 Acq: 9 Oct 2019 19:54

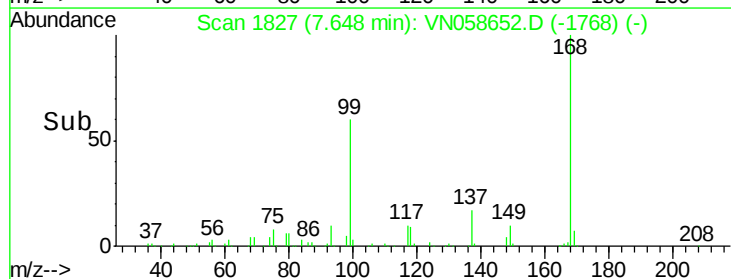
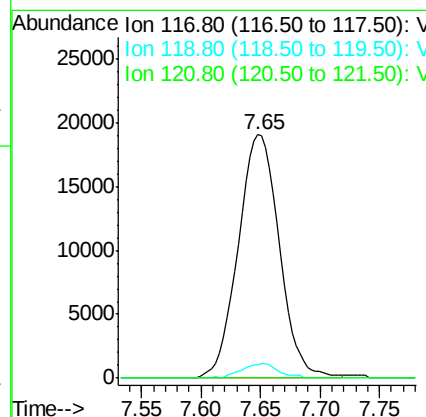
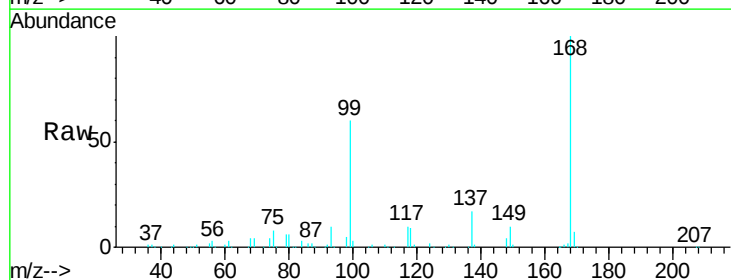
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-02-100719

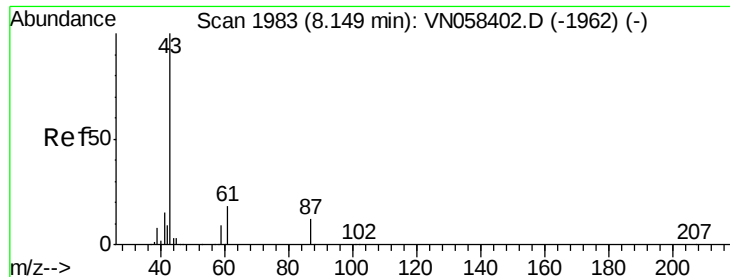
Tgt Ion: 75 Resp: 37185
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.426 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058652.D
 Acq: 9 Oct 2019 19:54

Tgt Ion: 117 Resp: 45771
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.6 115.0#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 9.941 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

SU-02-100719

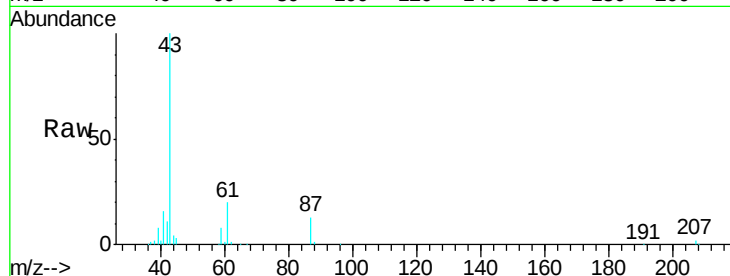
Tgt Ion: 43 Resp: 108218

Ion Ratio Lower Upper

43 100

61 18.9 14.8 22.2

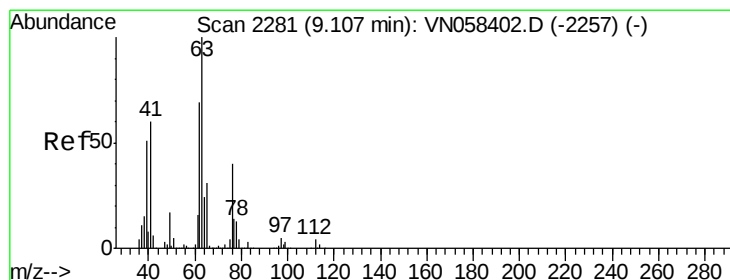
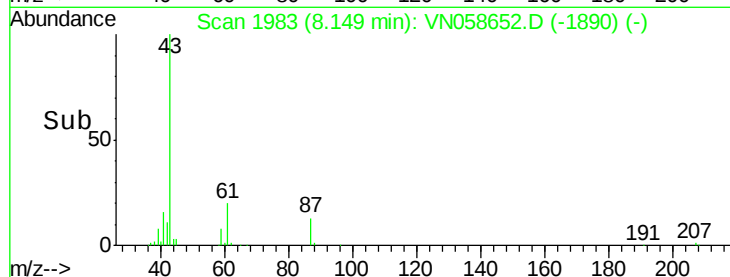
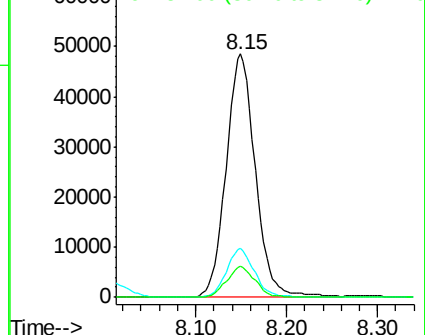
87 12.2 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.369 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN058652.D

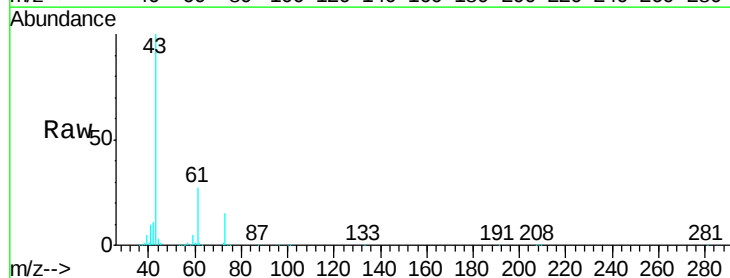
Acq: 9 Oct 2019 19:54

Tgt Ion: 63 Resp: 1941

Ion Ratio Lower Upper

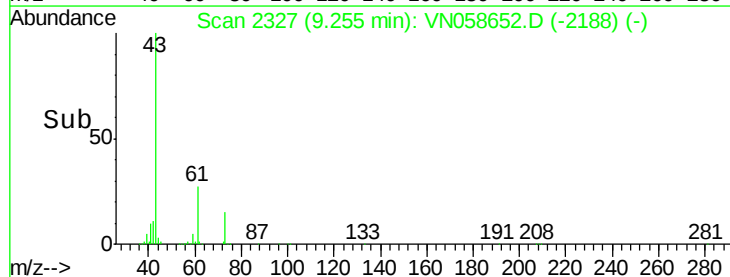
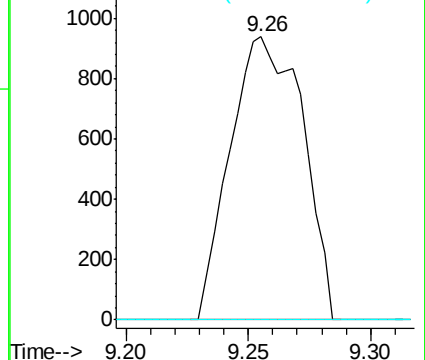
63 100

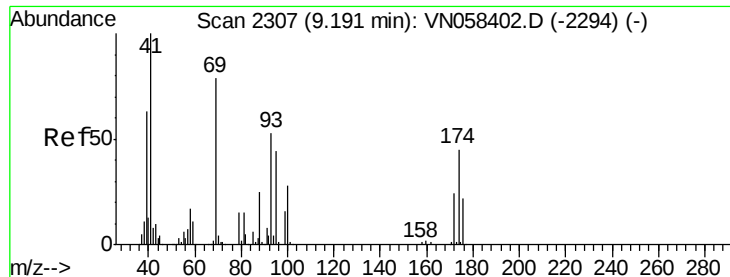
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methyl methacrylate

Concen: 1.244 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.03 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

SU-02-100719

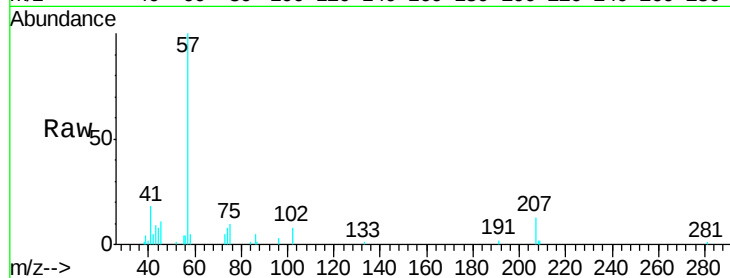
Tgt Ion: 41 Resp: 6169

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

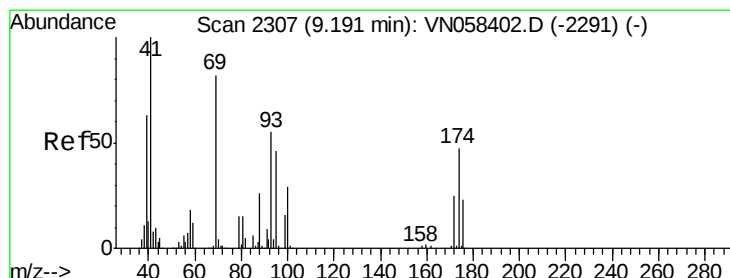
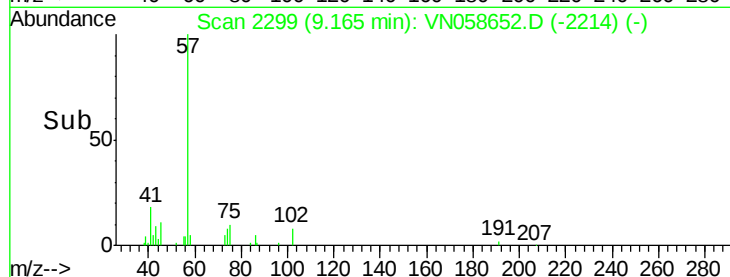
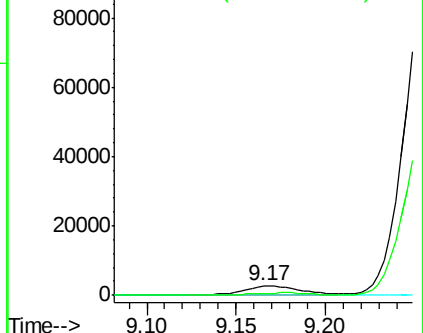
39 0.0 52.9 79.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 0.935 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.07 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

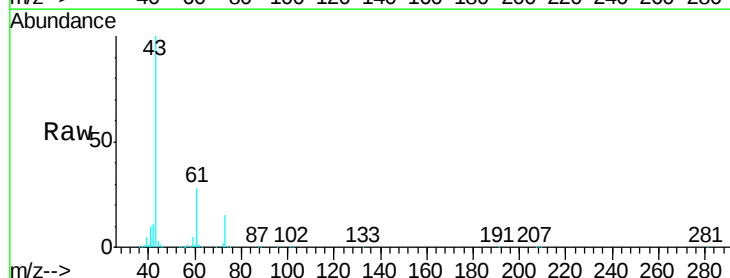
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 2913572.6 31.1 46.7#

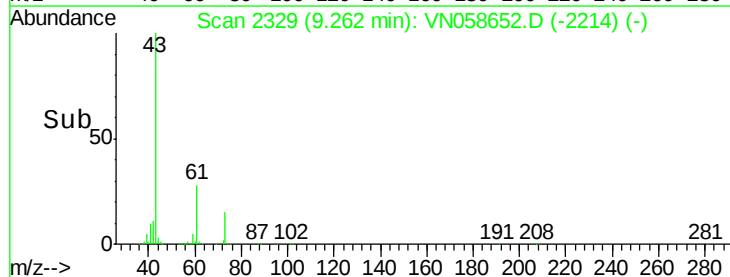
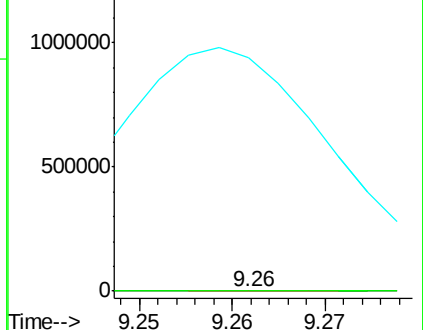
58 12633.9 58.1 87.1#

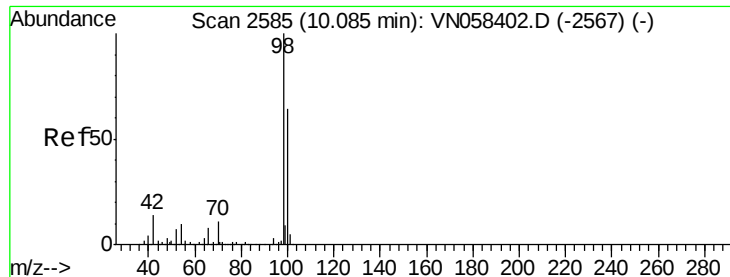


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 53.507 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

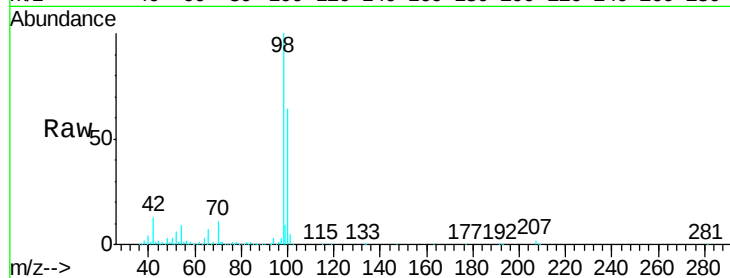
SU-02-100719

Tgt Ion: 98 Resp: 917387

Ion Ratio Lower Upper

98 100

100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

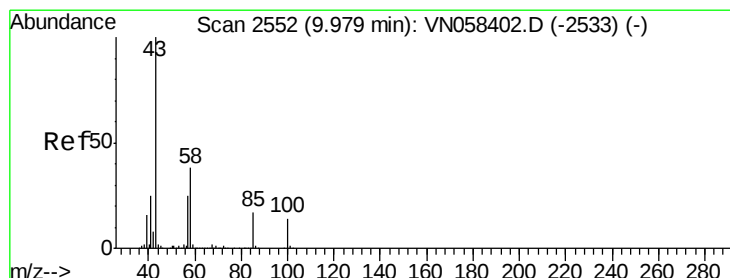
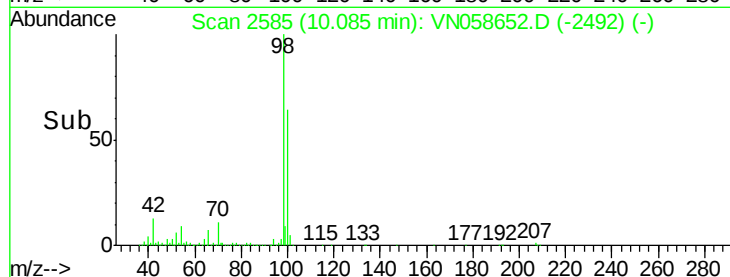
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.858 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058652.D

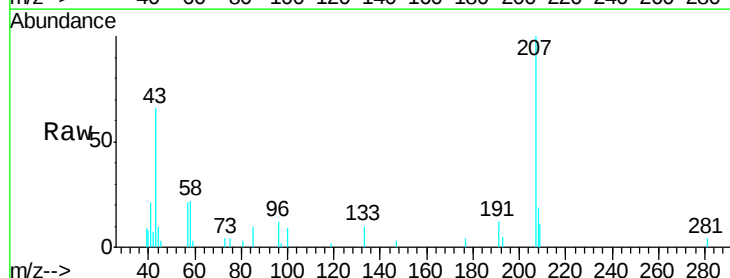
Acq: 9 Oct 2019 19:54

Tgt Ion: 43 Resp: 4797

Ion Ratio Lower Upper

43 100

58 53.8 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

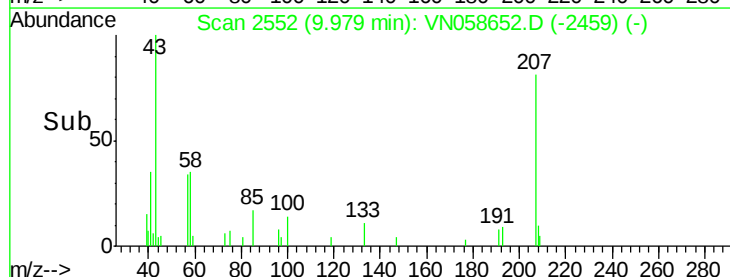
6000

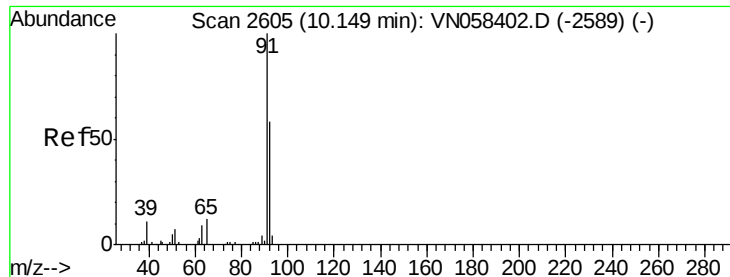
4000

2000

0

Time-->





#52

Toluene

Concen: 0.245 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

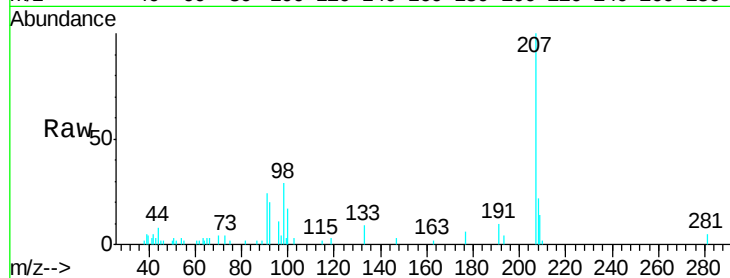
SU-02-100719

Tgt Ion: 92 Resp: 3021

Ion Ratio Lower Upper

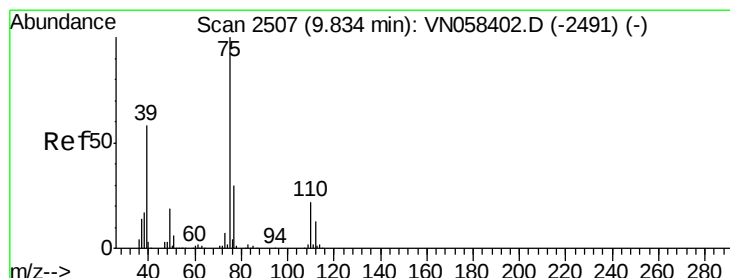
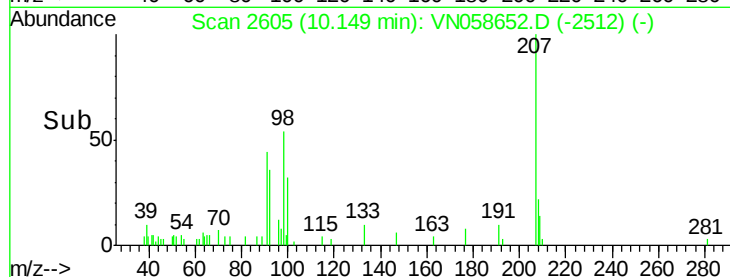
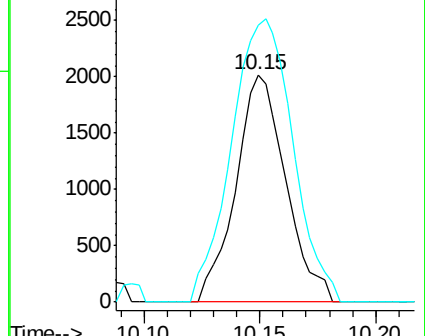
92 100

91 153.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.993 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

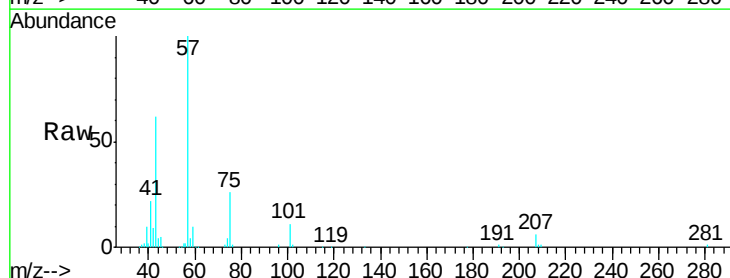
Tgt Ion: 75 Resp: 45731

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.4#

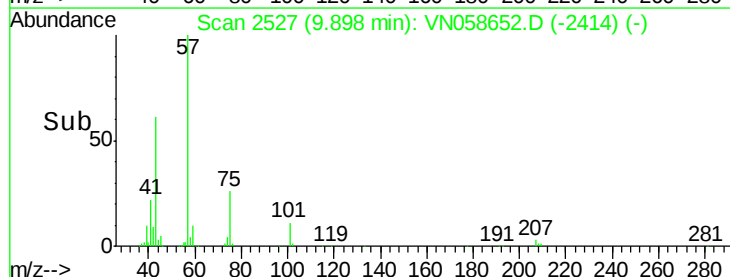
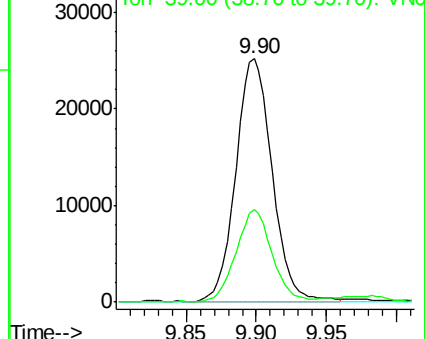
39 37.9 46.4 69.6#

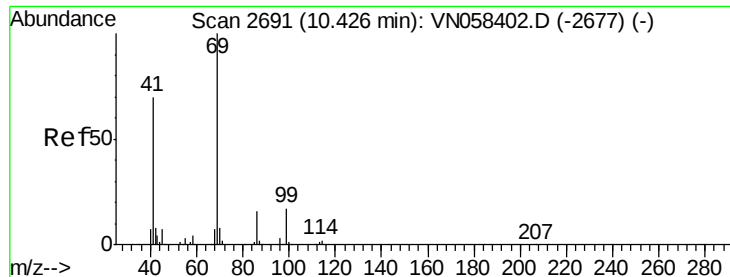


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.288 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

SU-02-100719

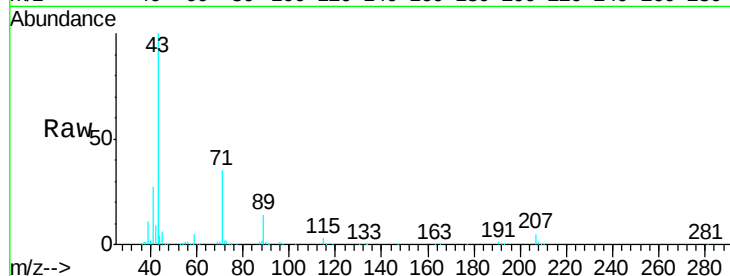
Tgt Ion: 69 Resp: 1965

Ion Ratio Lower Upper

69 100

41 5425.6 56.3 84.5#

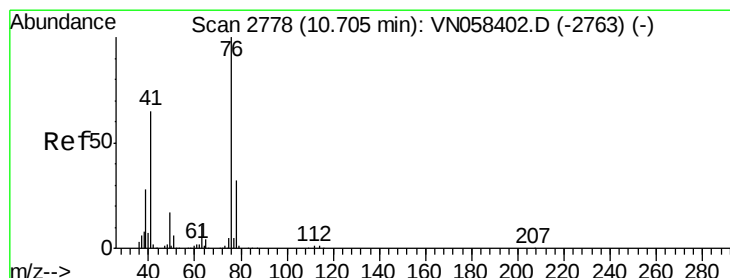
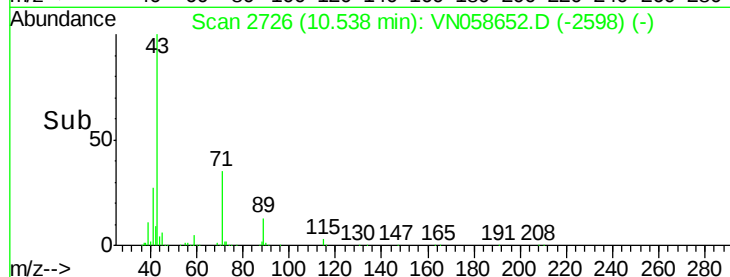
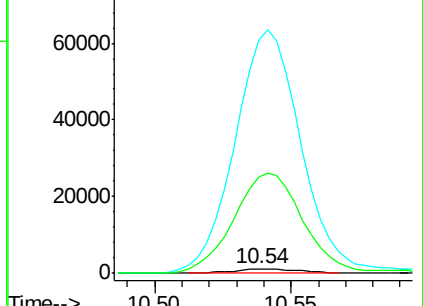
39 2385.9 35.8 53.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.048 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058652.D

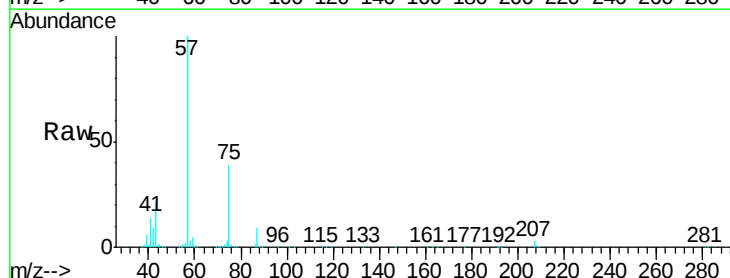
Acq: 9 Oct 2019 19:54

Tgt Ion: 76 Resp: 8407

Ion Ratio Lower Upper

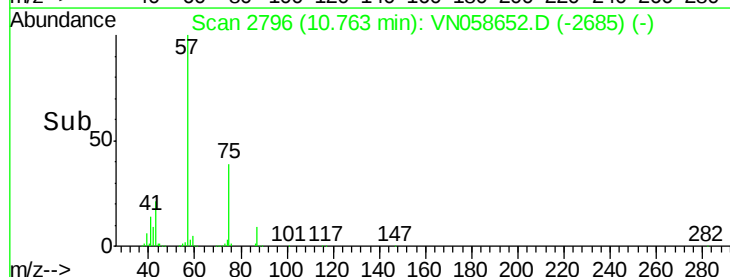
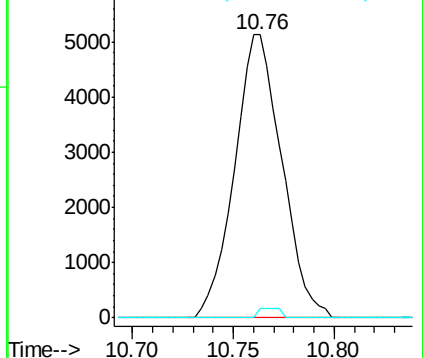
76 100

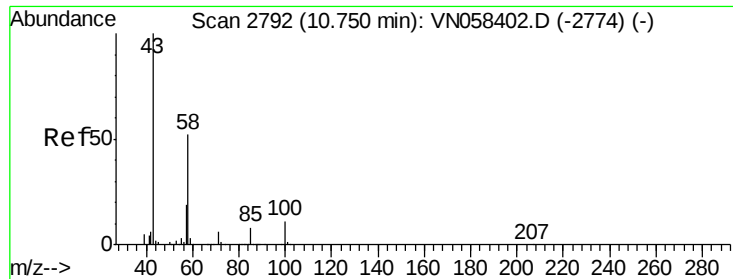
78 1.5 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

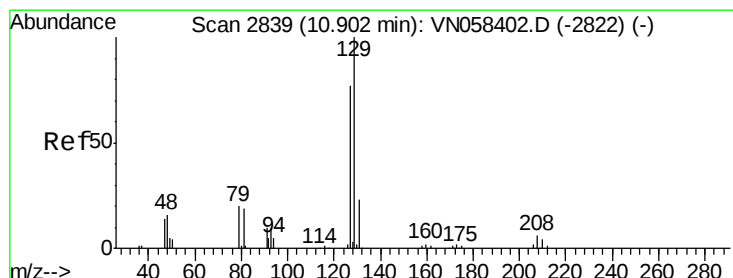
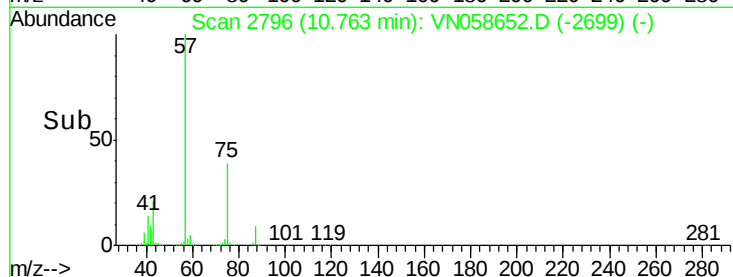
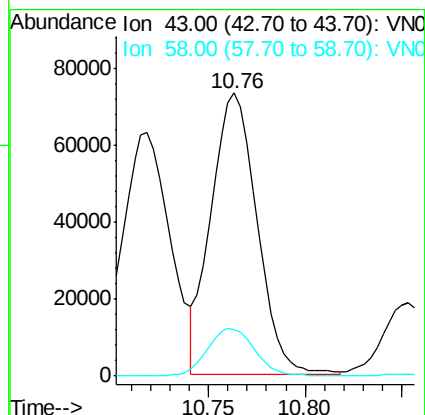
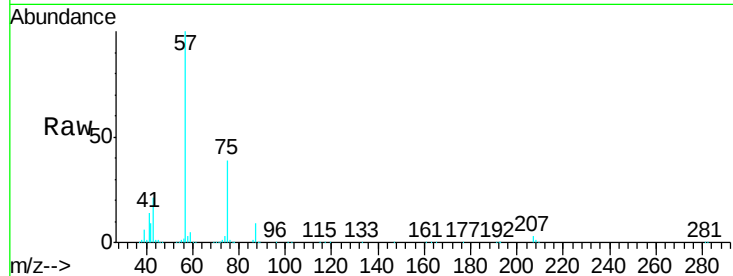




#59
2-Hexanone
Concen: 29.537 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

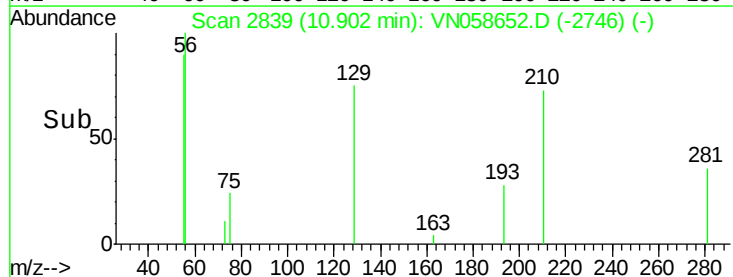
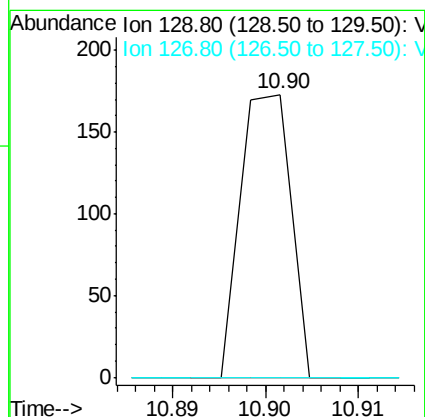
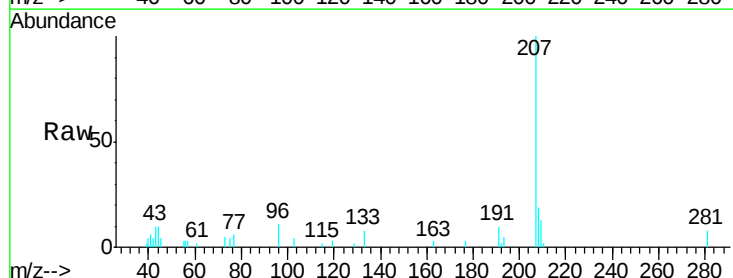
Instrument :
MSVOA_N
ClientSampled :
SU-02-100719

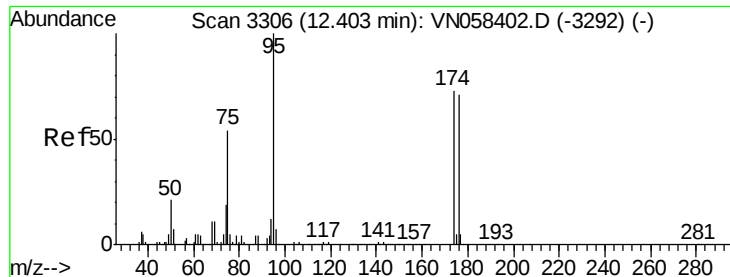
Tgt Ion: 43 Resp: 120269
Ion Ratio Lower Upper
43 100
58 17.8 25.8 77.3#



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

Tgt Ion: 129 Resp: 66
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 49.461 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

SU-02-100719

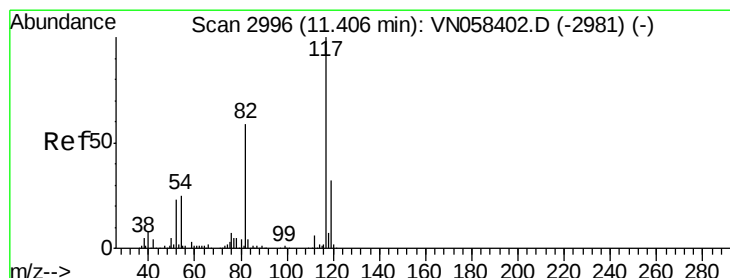
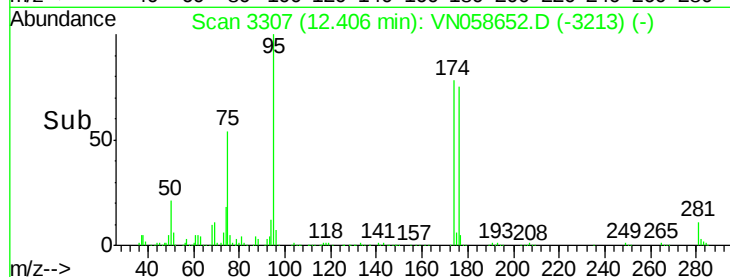
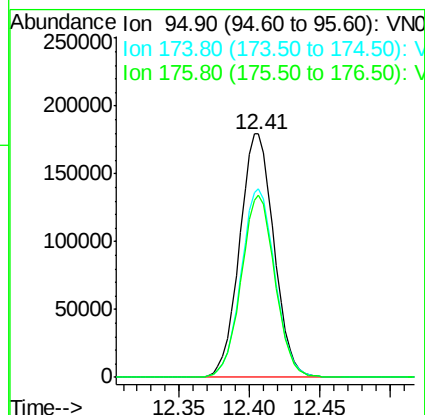
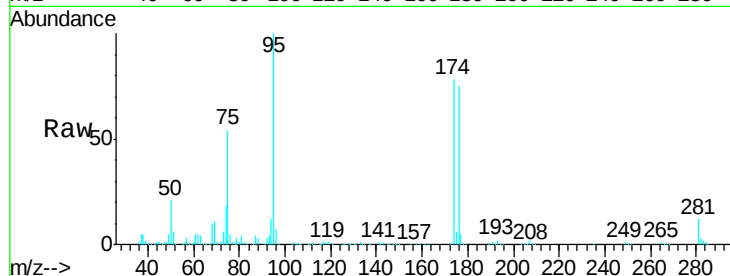
Tgt Ion: 95 Resp: 306624

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.6

176 73.7 0.0 146.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

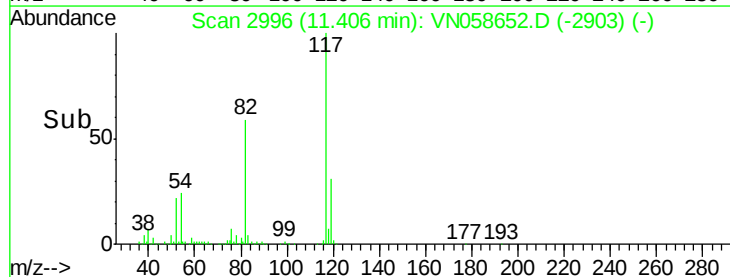
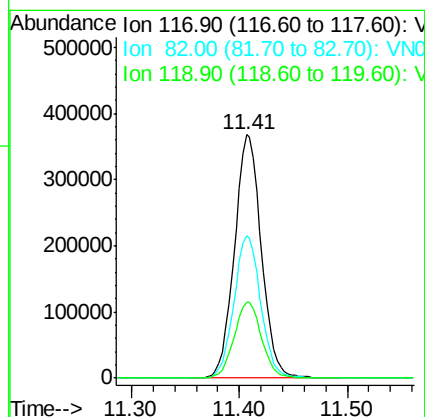
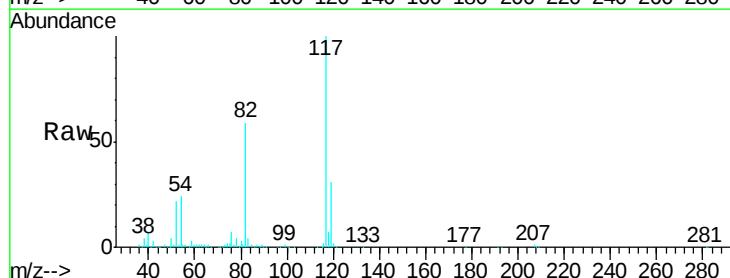
Tgt Ion: 117 Resp: 639651

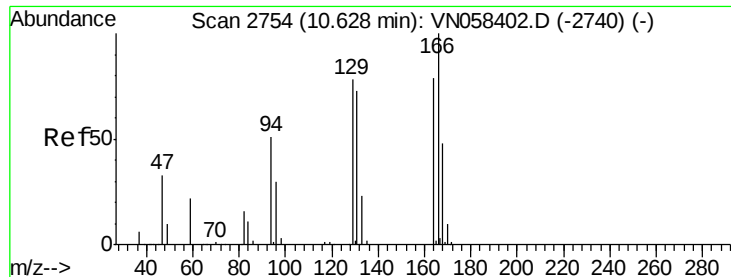
Ion Ratio Lower Upper

117 100

82 58.7 47.4 71.0

119 31.3 25.5 38.3

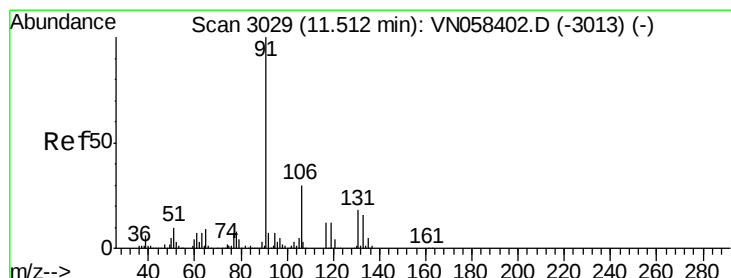
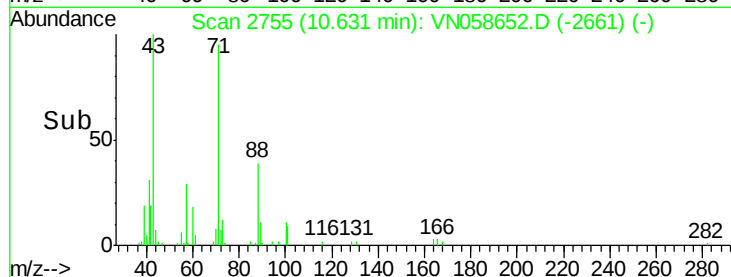
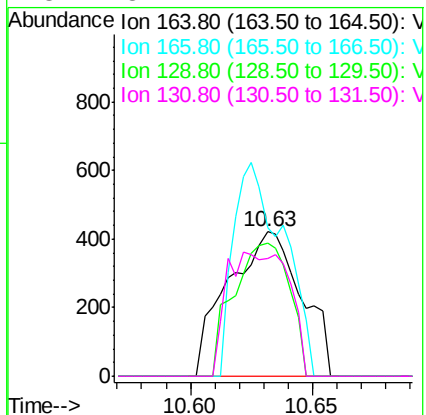
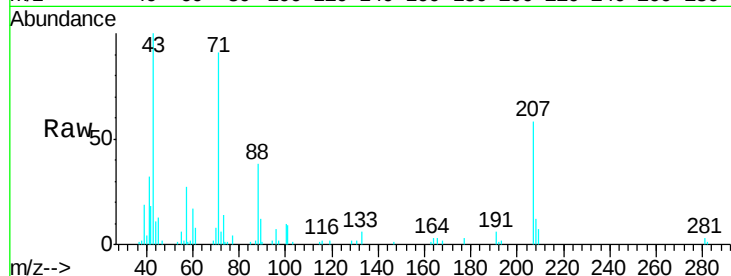




#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

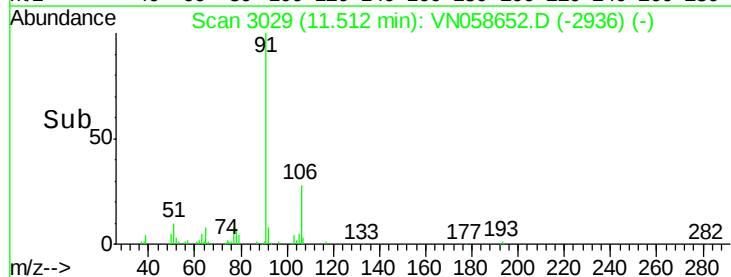
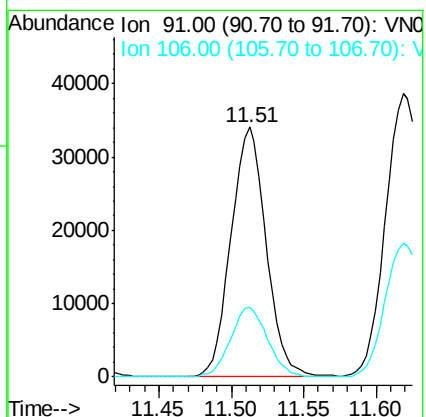
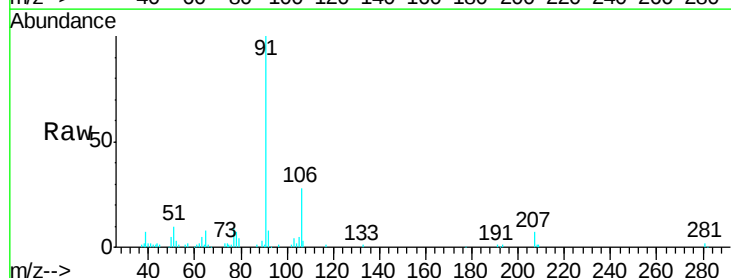
Instrument :
MSVOA_N
ClientSampled :
SU-02-100719

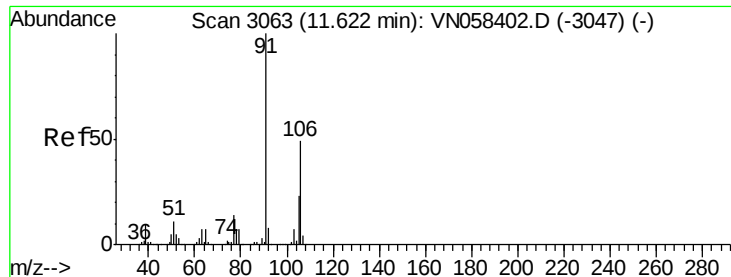
Tgt Ion:164 Resp: 876
Ion Ratio Lower Upper
164 100
166 102.6 101.1 151.7
129 91.9 79.2 118.8
131 81.7 74.1 111.1



#67
Ethyl Benzene
Concen: 2.490 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

Tgt Ion: 91 Resp: 57355
Ion Ratio Lower Upper
91 100
106 27.7 24.3 36.5

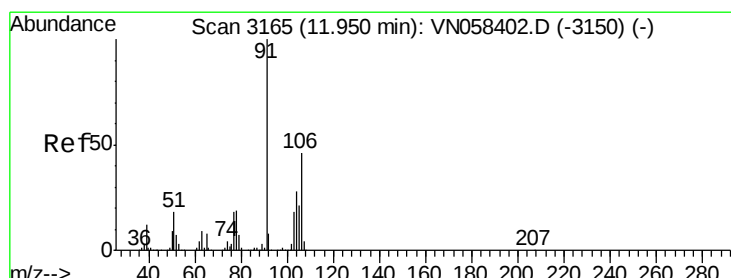
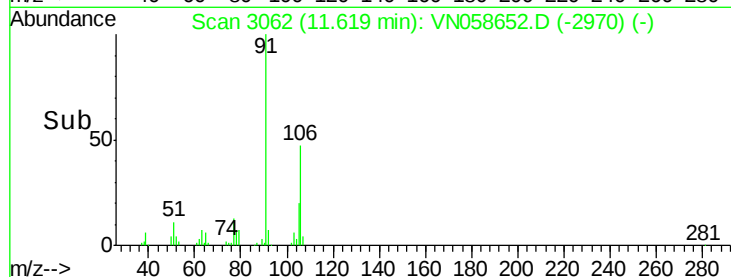
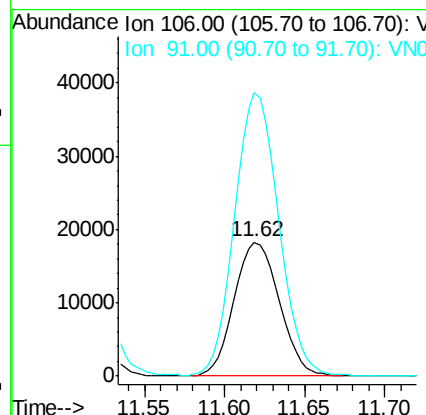
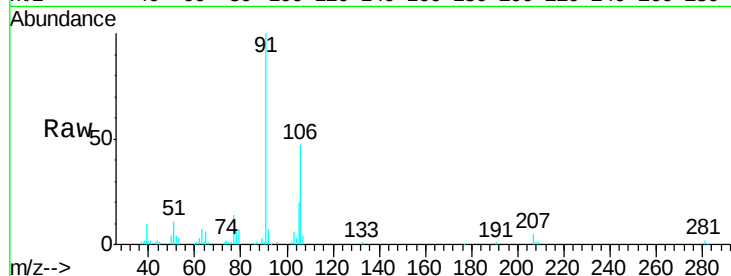




#68
m/p-Xylenes
Concen: 4.075 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

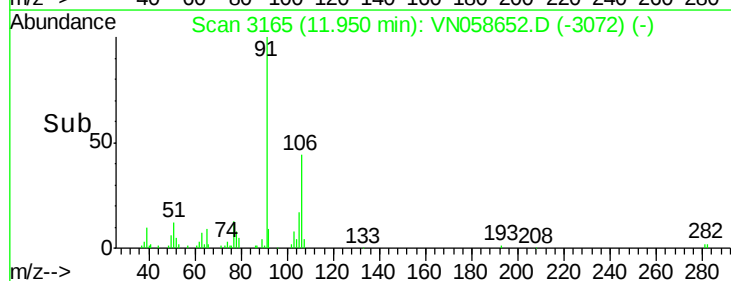
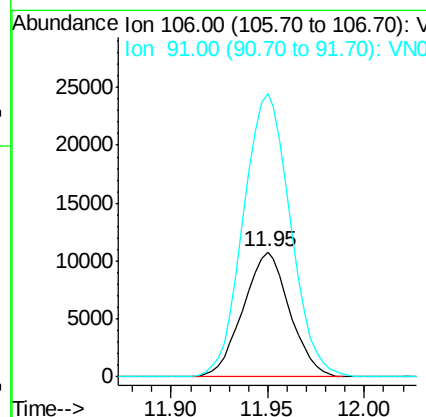
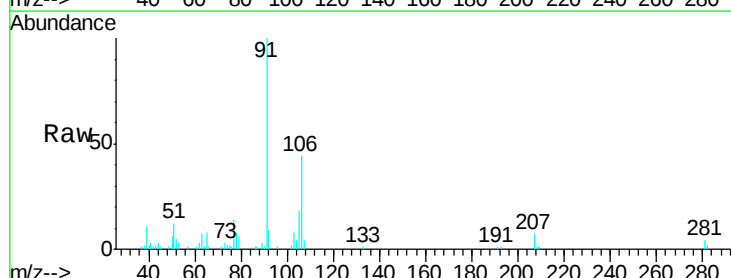
Instrument :
MSVOA_N
ClientSampleId :
SU-02-100719

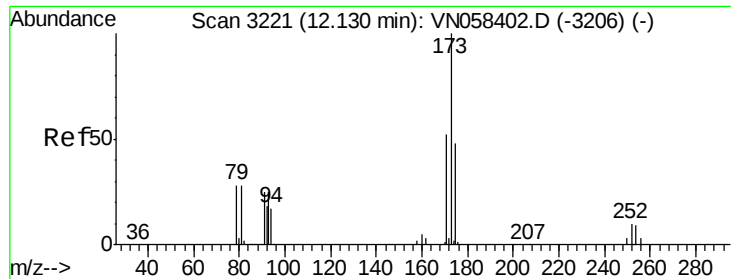
Tgt Ion:106 Resp: 35306
Ion Ratio Lower Upper
106 100
91 206.1 165.0 247.4



#69
o-Xylene
Concen: 2.167 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058652.D
Acq: 9 Oct 2019 19:54

Tgt Ion:106 Resp: 18079
Ion Ratio Lower Upper
106 100
91 229.6 109.1 327.4





#71

Bromoform

Concen: 0.742 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

SU-02-100719

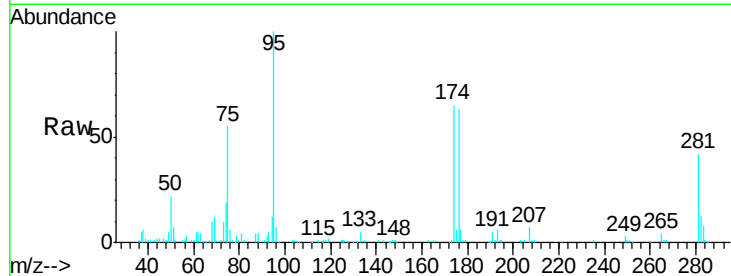
Tgt Ion:173 Resp: 141

Ion Ratio Lower Upper

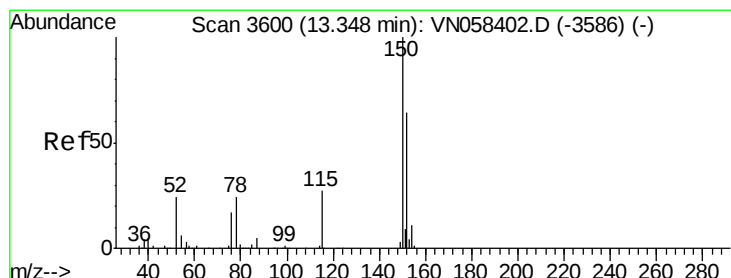
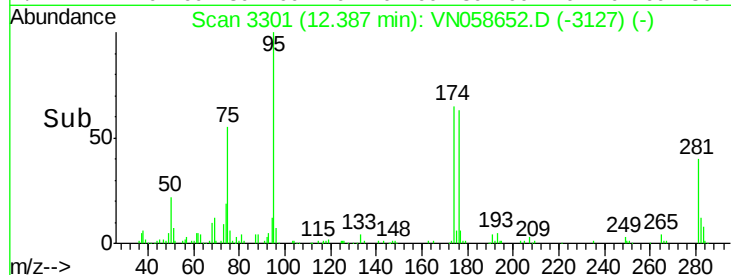
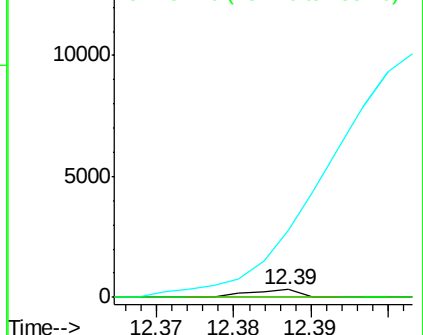
173 100

175 0.0 24.3 73.0#

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

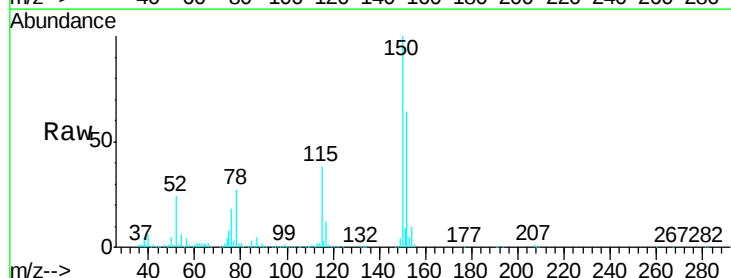
Tgt Ion:152 Resp: 271553

Ion Ratio Lower Upper

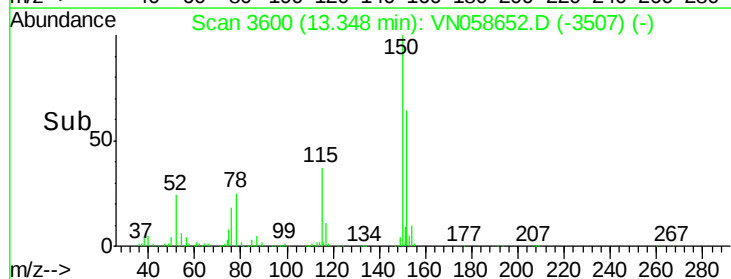
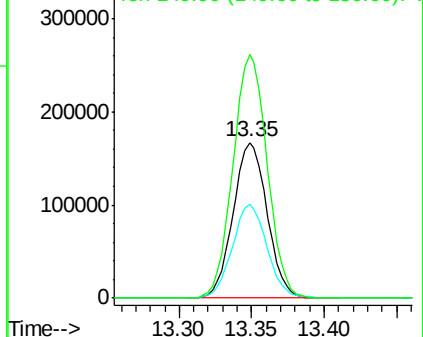
152 100

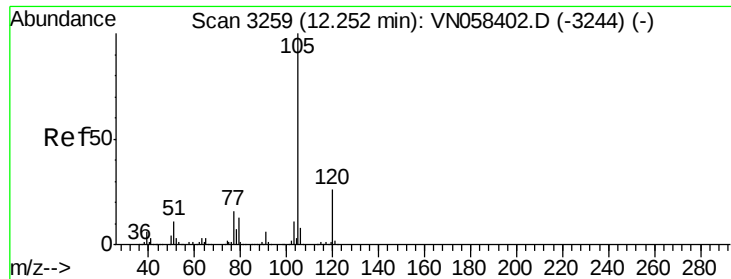
115 60.7 30.0 90.0

150 157.7 0.0 348.2



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





#73

Isopropylbenzene

Concen: 0.744 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

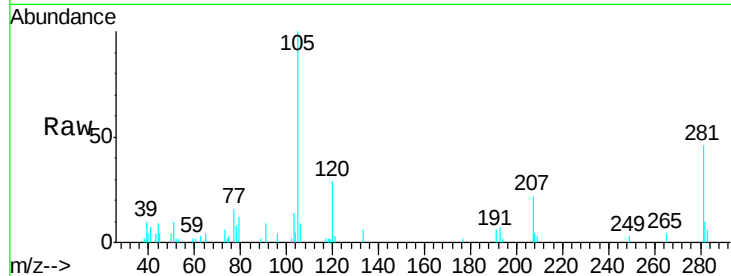
SU-02-100719

Tgt Ion: 105 Resp: 14924

Ion Ratio Lower Upper

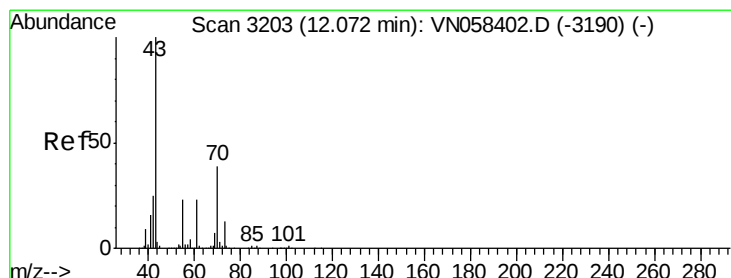
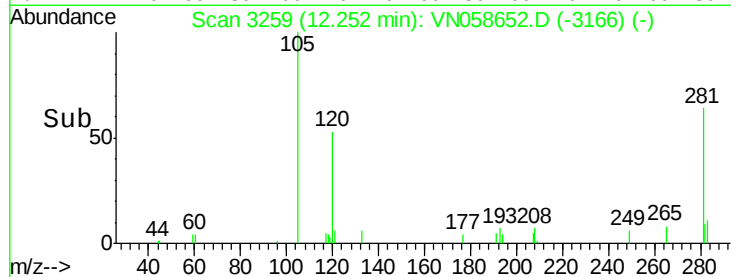
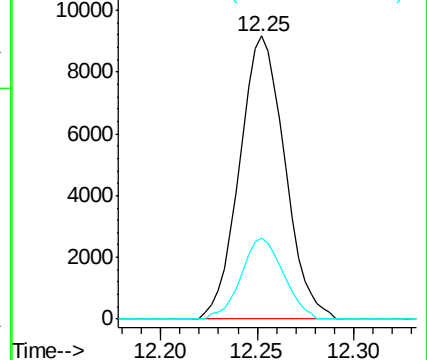
105 100

120 26.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.549 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Tgt Ion: 43 Resp: 4385

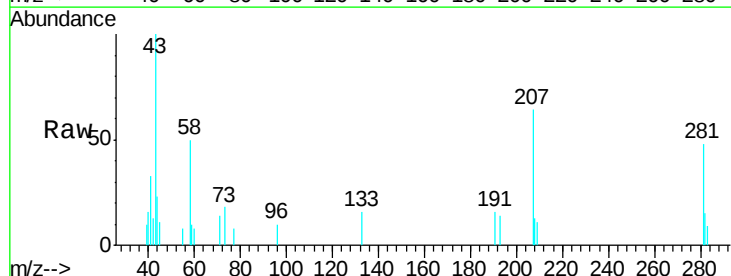
Ion Ratio Lower Upper

43 100

70 0.0 31.4 47.2#

55 5.7 18.2 27.4#

61 0.0 18.3 27.5#

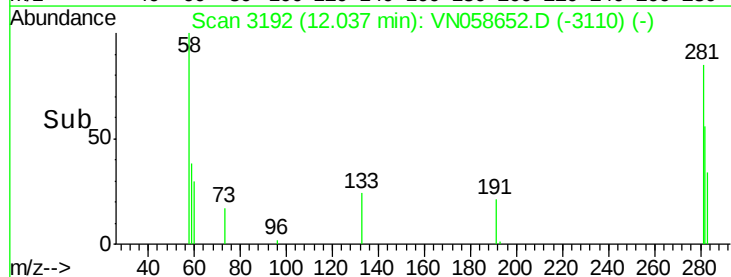
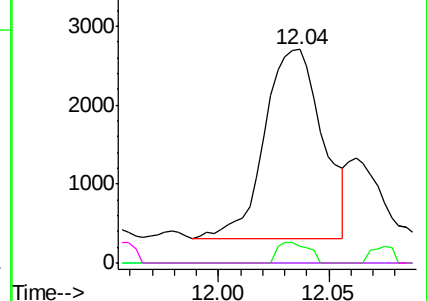


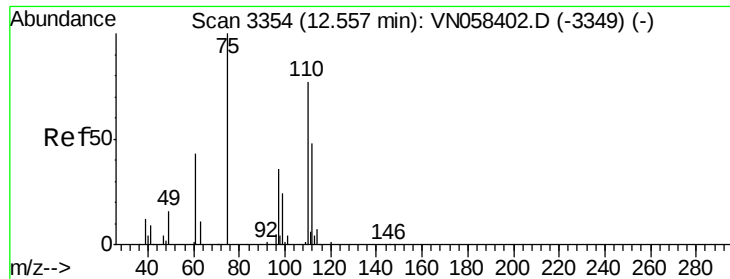
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#76

1,2,3-Trichloropropane

Concen: 33.587 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

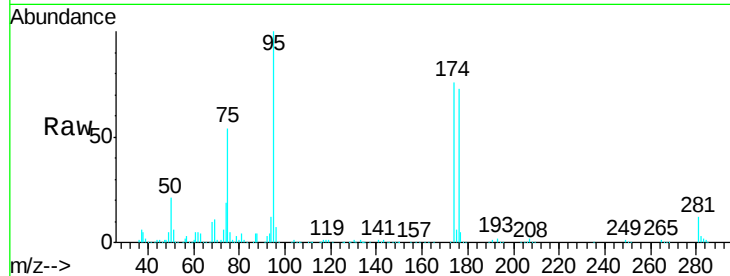
SU-02-100719

Tgt Ion: 75 Resp: 166588

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

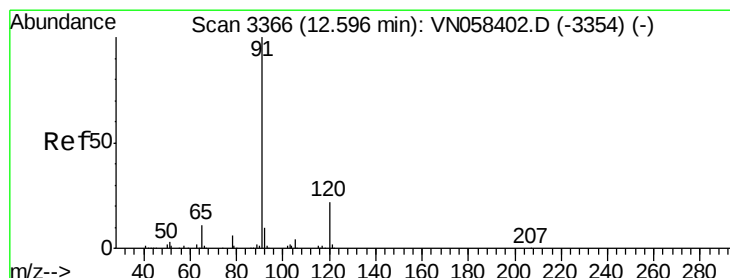
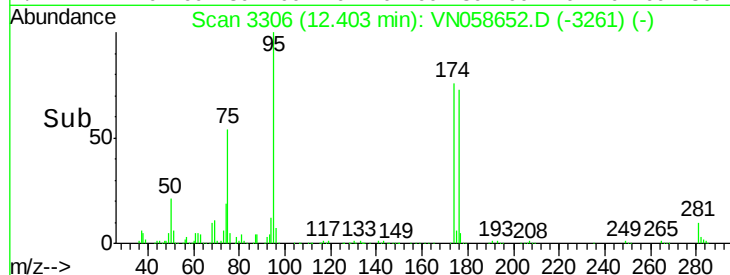
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 0.717 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058652.D

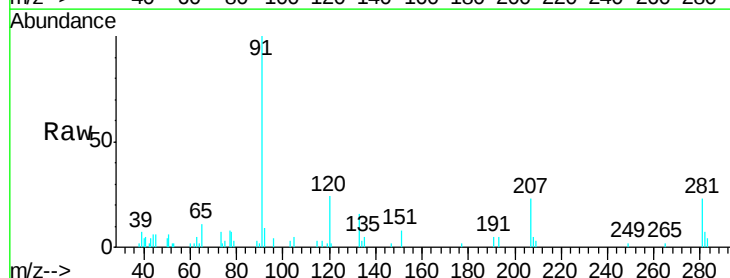
Acq: 9 Oct 2019 19:54

Tgt Ion: 91 Resp: 16221

Ion Ratio Lower Upper

91 100

120 22.7 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.60

10000

8000

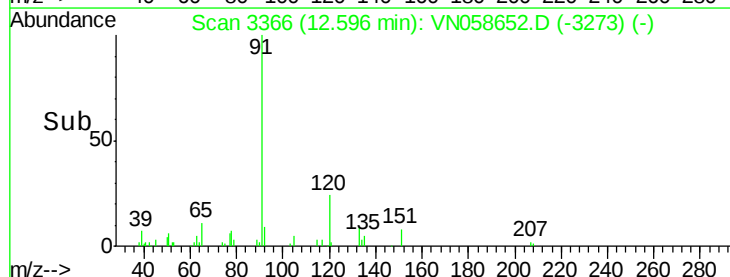
6000

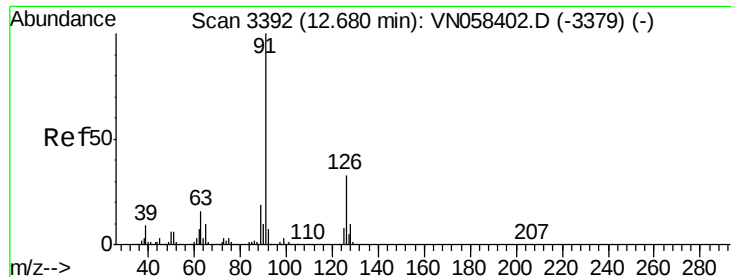
4000

2000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.451 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

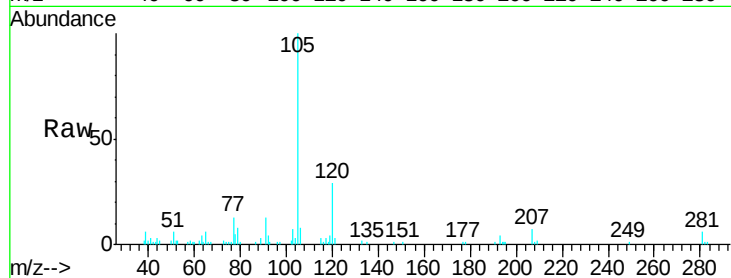
SU-02-100719

Tgt Ion: 91 Resp: 6288

Ion Ratio Lower Upper

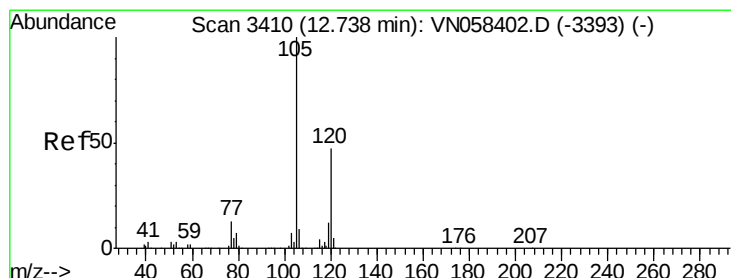
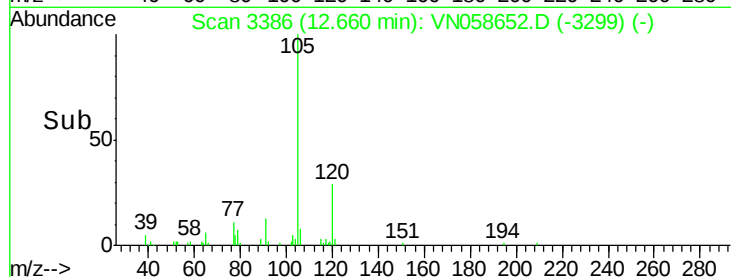
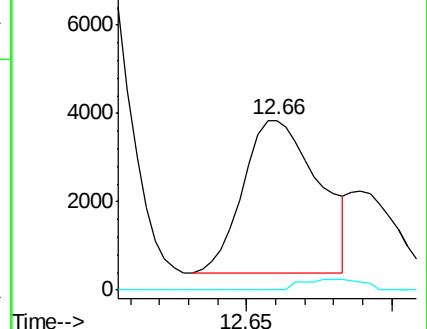
91 100

126 5.7 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.283 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058652.D

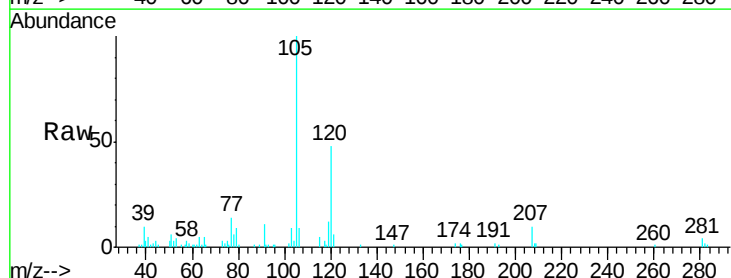
Acq: 9 Oct 2019 19:54

Tgt Ion: 105 Resp: 38352

Ion Ratio Lower Upper

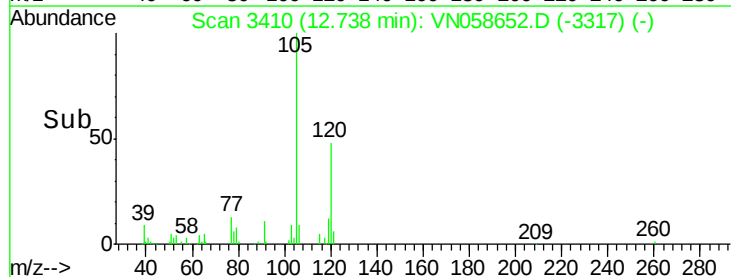
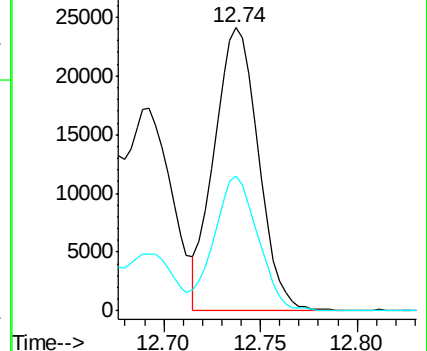
105 100

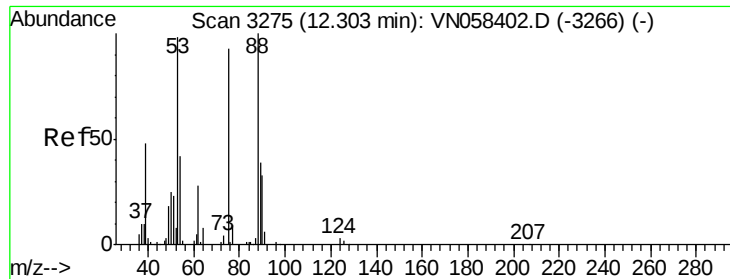
120 47.4 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058402.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 102.007 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampleId :

SU-02-100719

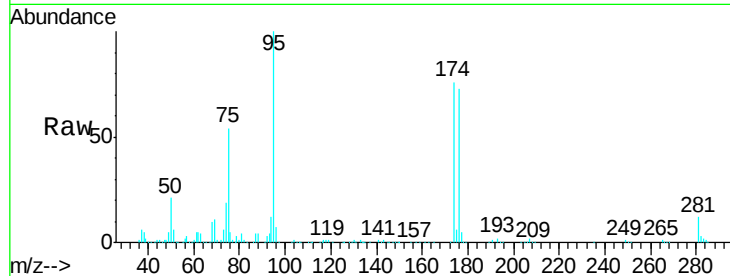
Tgt Ion: 75 Resp: 166588

Ion Ratio Lower Upper

75 100

53 0.1 85.4 128.0#

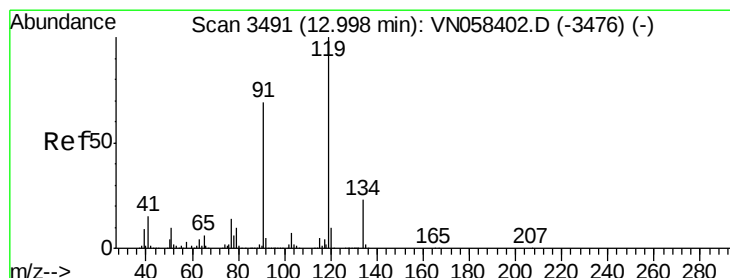
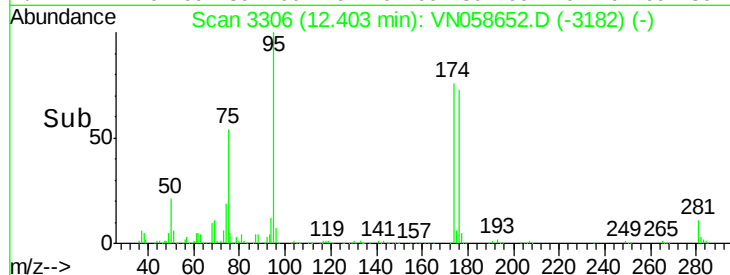
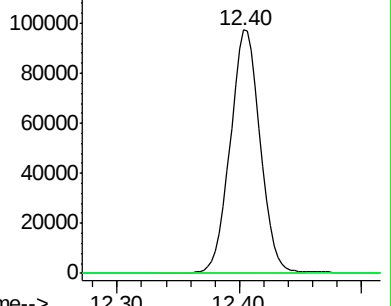
89 0.1 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN058402.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN058402.D (-3266) (-)



#83

tert-Butylbenzene

Concen: 1.280 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

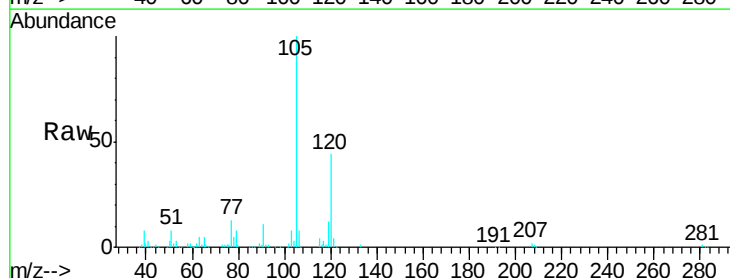
Tgt Ion: 119 Resp: 18146

Ion Ratio Lower Upper

119 100

91 84.3 34.2 102.6

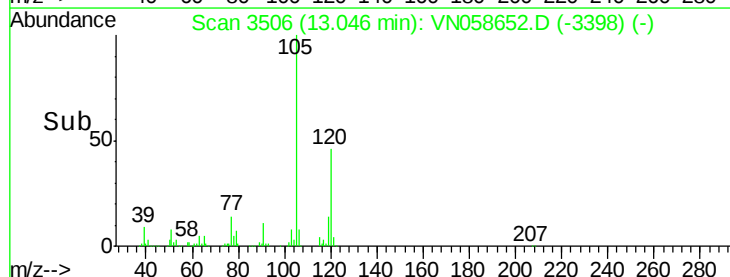
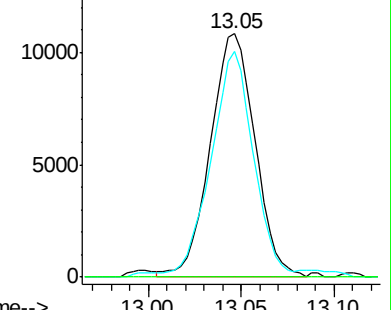
134 0.0 11.6 34.8#

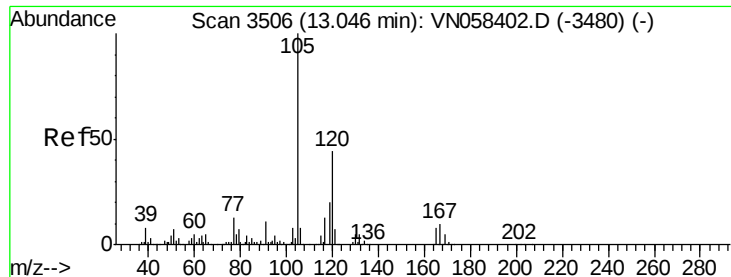


Abundance Ion 119.00 (118.70 to 119.70): VN058402.D (-3476) (-)

Ion 91.00 (90.70 to 91.70): VN058402.D (-3476) (-)

Ion 134.00 (133.70 to 134.70): VN058402.D (-3476) (-)





#84

1,2,4-Trimethylbenzene

Concen: 8.719 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

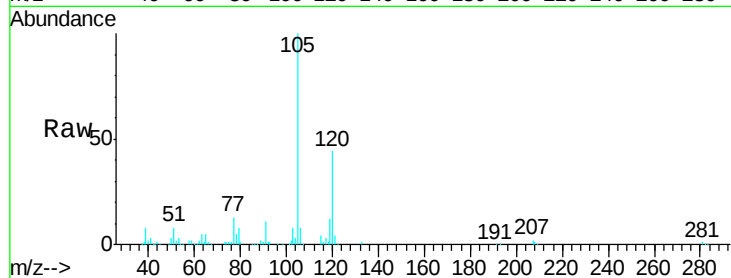
SU-02-100719

Tgt Ion:105 Resp: 146758

Ion Ratio Lower Upper

105 100

120 43.8 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.05

100000

80000

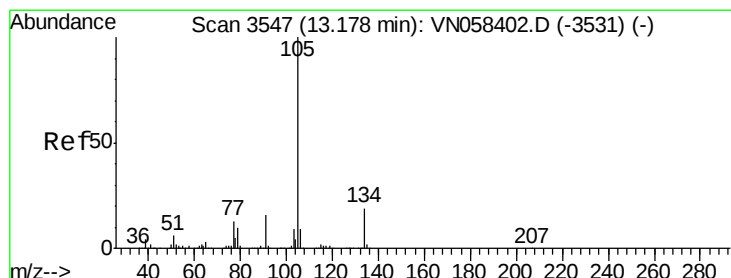
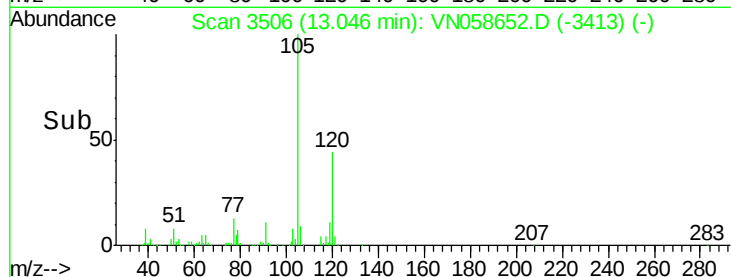
60000

40000

20000

0

Time--> 12.95 13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 7.866 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058652.D

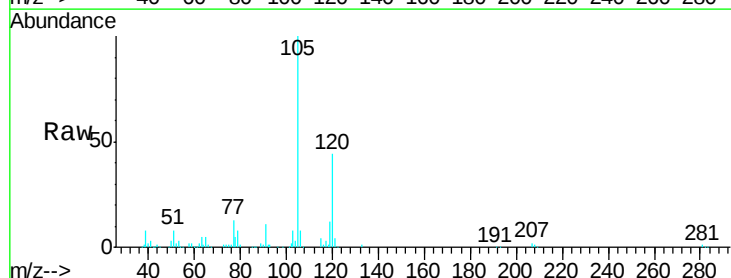
Acq: 9 Oct 2019 19:54

Tgt Ion:105 Resp: 146758

Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.05

100000

80000

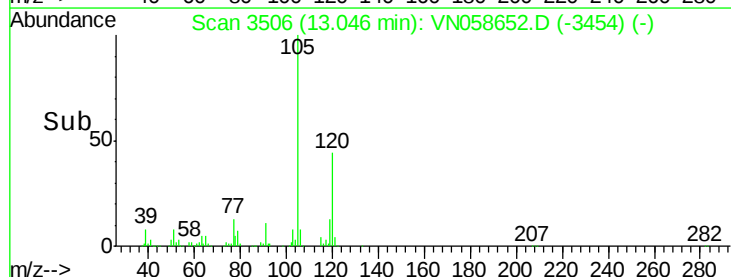
60000

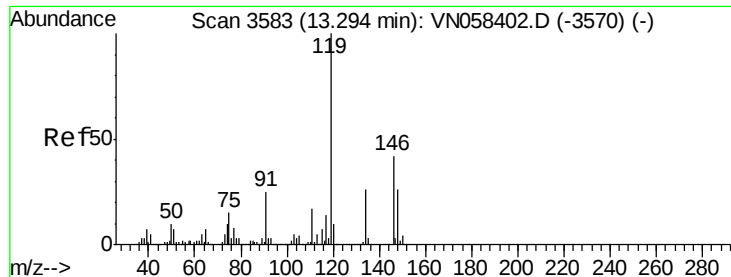
40000

20000

0

Time--> 12.95 13.00 13.05 13.10

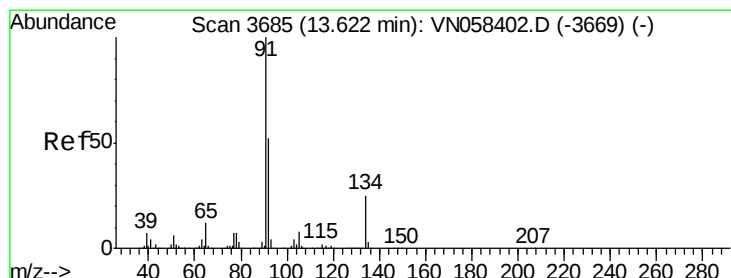
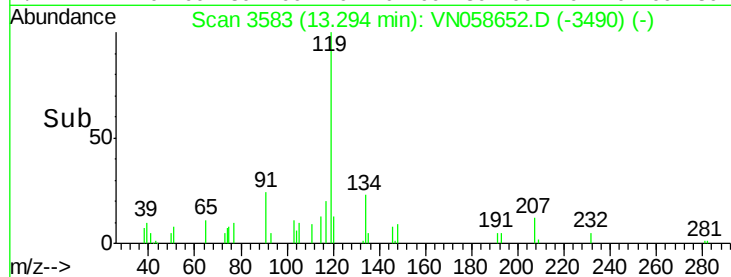
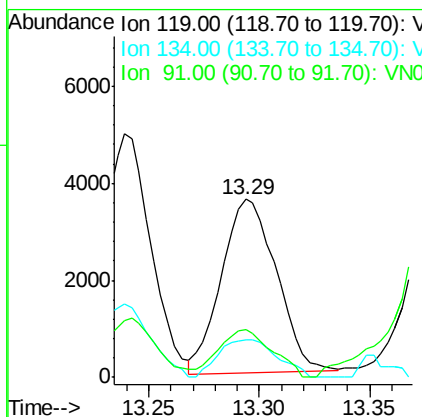
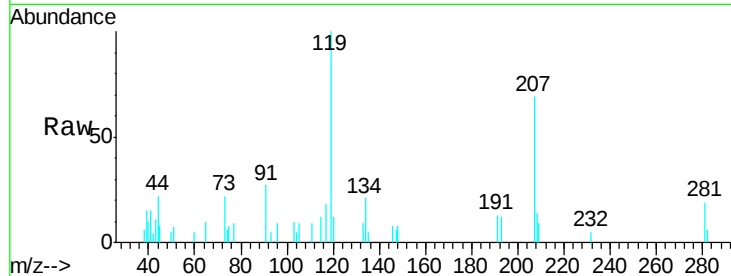




#86
 p-Isopropyltoluene
 Concen: 0.379 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058652.D
 Acq: 9 Oct 2019 19:54

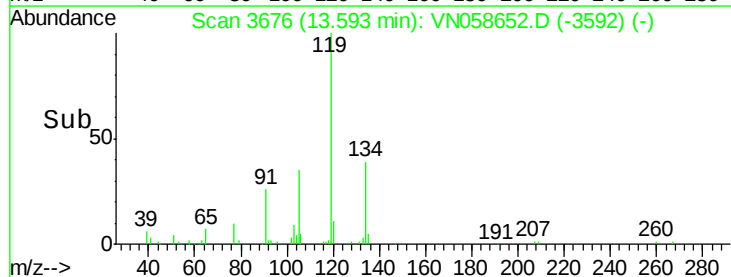
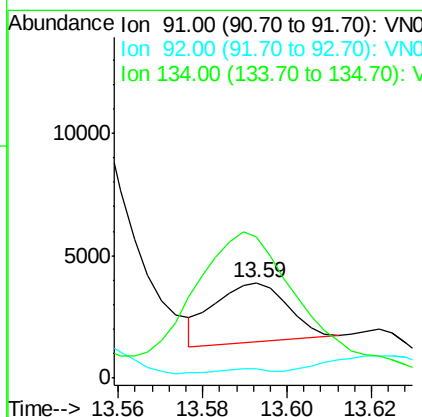
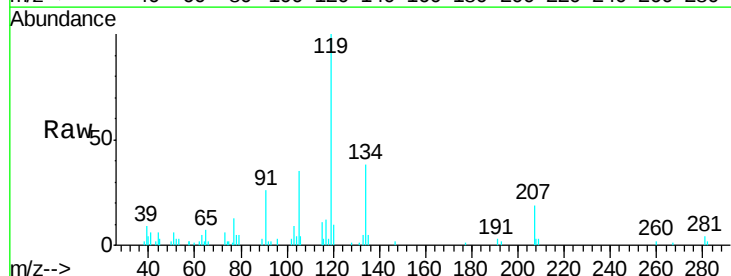
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-02-100719

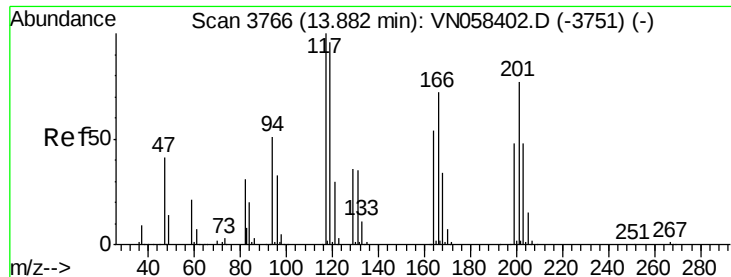
Tgt Ion: 119 Resp: 6222
 Ion Ratio Lower Upper
 119 100
 134 23.0 13.0 39.0
 91 27.0 12.4 37.0



#89
 n-Butylbenzene
 Concen: 0.200 ug/l
 RT: 13.59 min Scan# 3676
 Delta R.T. -0.03 min
 Lab File: VN058652.D
 Acq: 9 Oct 2019 19:54

Tgt Ion: 91 Resp: 2976
 Ion Ratio Lower Upper
 91 100
 92 12.3 25.7 77.1#
 134 376.3 12.2 36.6#





#90

Hexachloroethane

Concen: 1.511 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

Instrument :

MSVOA_N

ClientSampled :

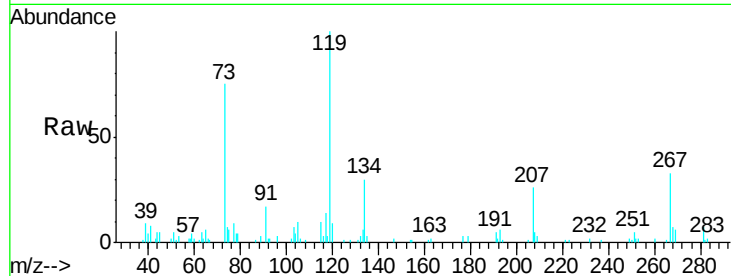
SU-02-100719

Tgt Ion: 117 Resp: 3729

Ion Ratio Lower Upper

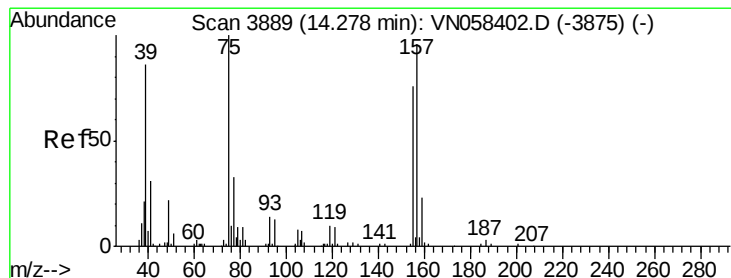
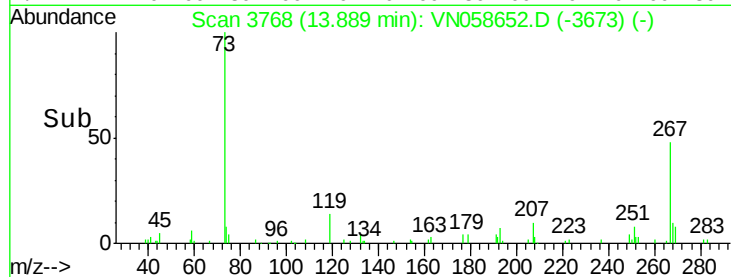
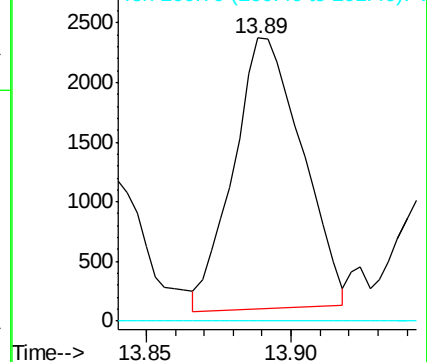
117 100

201 0.0 38.6 116.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.347 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.02 min

Lab File: VN058652.D

Acq: 9 Oct 2019 19:54

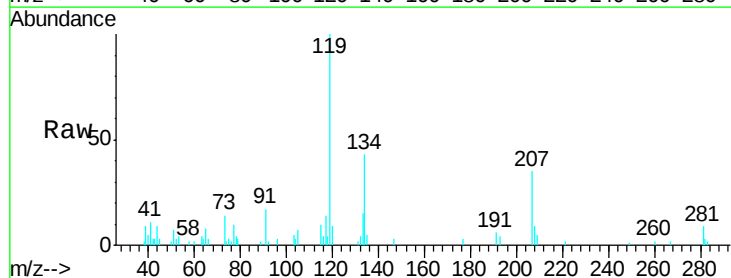
Tgt Ion: 75 Resp: 363

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

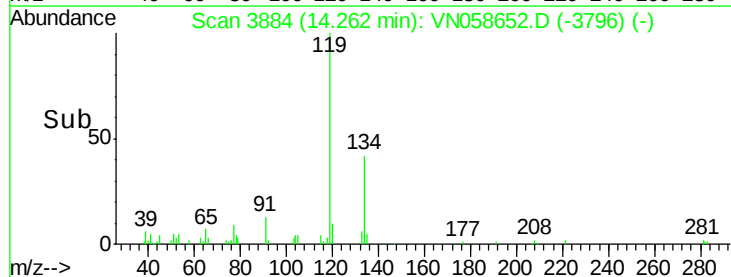
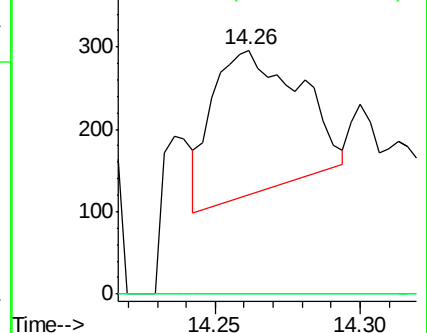
157 0.0 48.7 146.1#

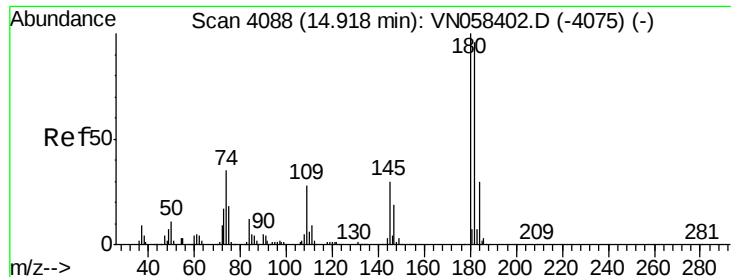


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

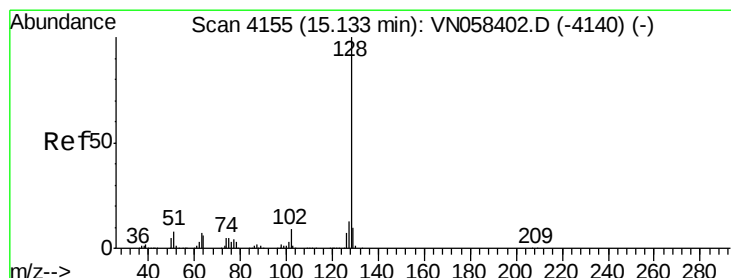
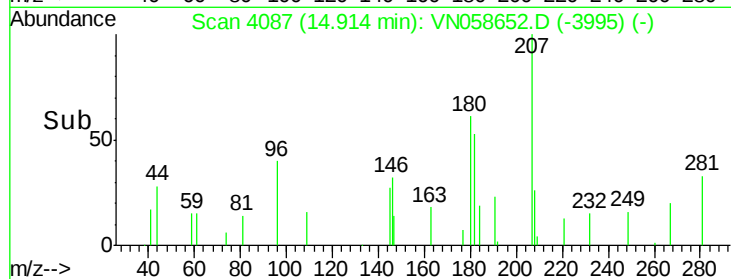
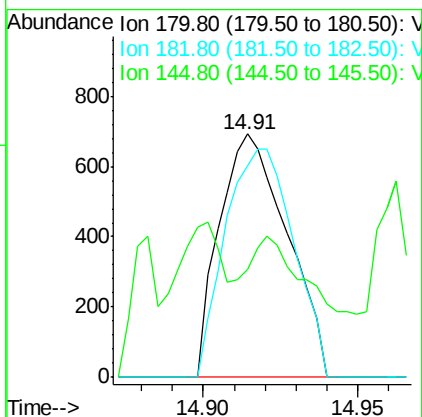
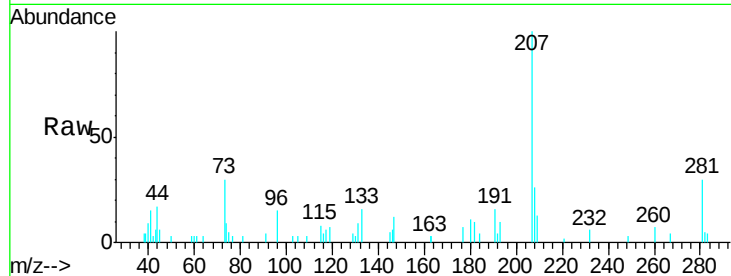




#93
 1,2,4-Trichlorobenzene
 Concen: 0.232 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058652.D
 Acq: 9 Oct 2019 19:54

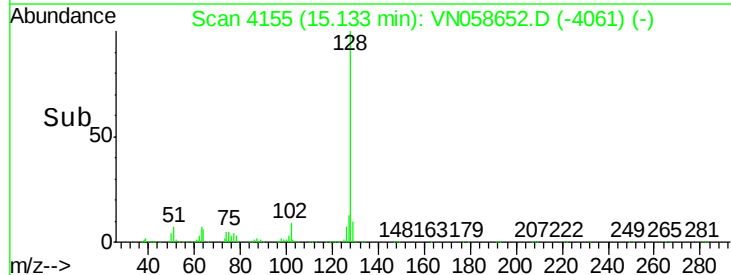
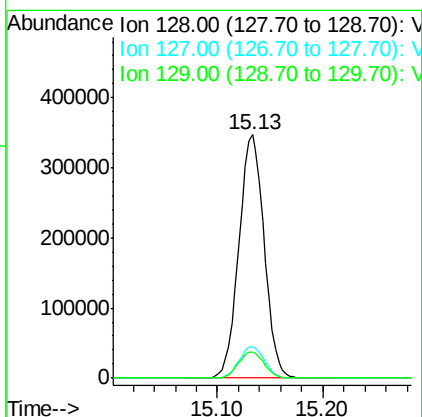
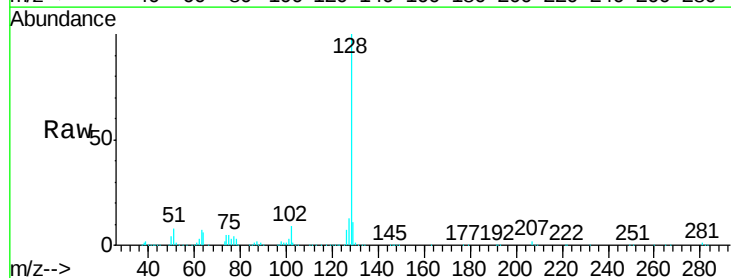
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-02-100719

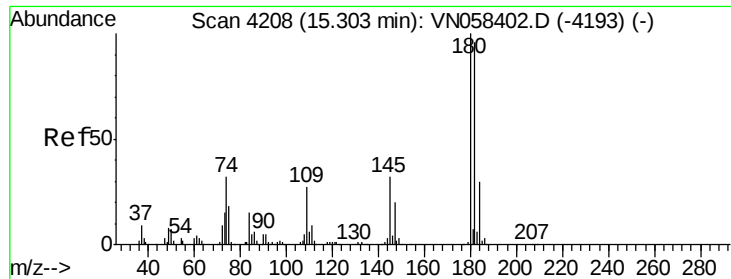
Tgt Ion:180 Resp: 1051
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.3
 145 61.4 15.3 45.9#



#95
 Naphthalene
 Concen: 43.389 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058652.D
 Acq: 9 Oct 2019 19:54

Tgt Ion:128 Resp: 575705
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.2 15.4
 129 11.0 8.3 12.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.249 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058652.D
 Acq: 9 Oct 2019 19:54

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-02-100719

Tgt Ion	Ratio	Lower	Upper
180	100		
182	80.3	48.3	144.9
145	58.1	16.1	48.3

