

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058934.D
 Acq On : 23 Oct 2019 16:52
 Operator : JC/SP
 Sample : K5507-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S81-0106

Quant Time: Oct 24 01:14:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	320736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	524606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209599	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	238944	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
35) Dibromofluoromethane	7.57	113	171446	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	631166	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.40	95	219001	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	3331	0.833	ug/l	96
4) Vinyl Chloride	2.17	62	11218	2.281	ug/l	91
11) Tert butyl alcohol	4.74	59	298	0.382	ug/l #	72
13) Acrolein	3.79	56	4280	7.980	ug/l	84
14) Allyl chloride	4.51	41	10519	1.644	ug/l #	24
15) Acrylonitrile	5.02	53	4348	2.214	ug/l #	30
16) Acetone	3.80	43	21151	9.099	ug/l #	80
17) Carbon Disulfide	4.03	76	6390	0.627	ug/l	99
18) Methyl Acetate	4.57	43	109898	20.795	ug/l #	55
20) Methylene Chloride	4.52	84	826	0.208	ug/l #	48
25) 2-Butanone	6.61	43	16194	5.367	ug/l #	51
26) 2,2-Dichloropropane	6.61	77	2421	0.386	ug/l #	55
27) cis-1,2-Dichloroethene	6.81	96	10957	2.747	ug/l	76
29) Tetrahydrofuran	7.37	42	442	0.239	ug/l #	1
31) Cyclohexane	7.63	56	149625	22.133	ug/l	98
36) 1,1-Dichloropropene	7.65	75	26317	4.900	ug/l #	51
38) Carbon Tetrachloride	7.65	117	31313	5.659	ug/l #	17
39) Methylcyclohexane	9.07	83	190954	31.664	ug/l	97
40) Benzene	8.02	78	61924	3.926	ug/l	94
43) Isopropyl Acetate	8.13	43	12811	1.365	ug/l #	56
45) 1,2-Dichloropropane	9.07	63	2048	0.474	ug/l #	1
48) Methyl methacrylate	9.14	41	3932	0.923	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	2194	0.400	ug/l #	86
52) Toluene	10.15	92	40750	4.357	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	17464	4.533	ug/l #	18
56) Ethyl methacrylate	10.43	69	10865	3.706	ug/l #	16
59) 2-Hexanone	10.72	43	4212	0.994	ug/l #	26
67) Ethyl Benzene	11.51	91	831962	49.104	ug/l	99
68) m/p-Xylenes	11.63	106	220803	35.141	ug/l	99
69) o-Xylene	11.95	106	697403	116.378	ug/l	99
70) Styrene	11.95	104	36738	4.921	ug/l #	1
73) Isopropylbenzene	12.25	105	68740	4.488	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	119549	24.610	ug/l #	100
78) n-propylbenzene	12.59	91	88331	4.878	ug/l	98

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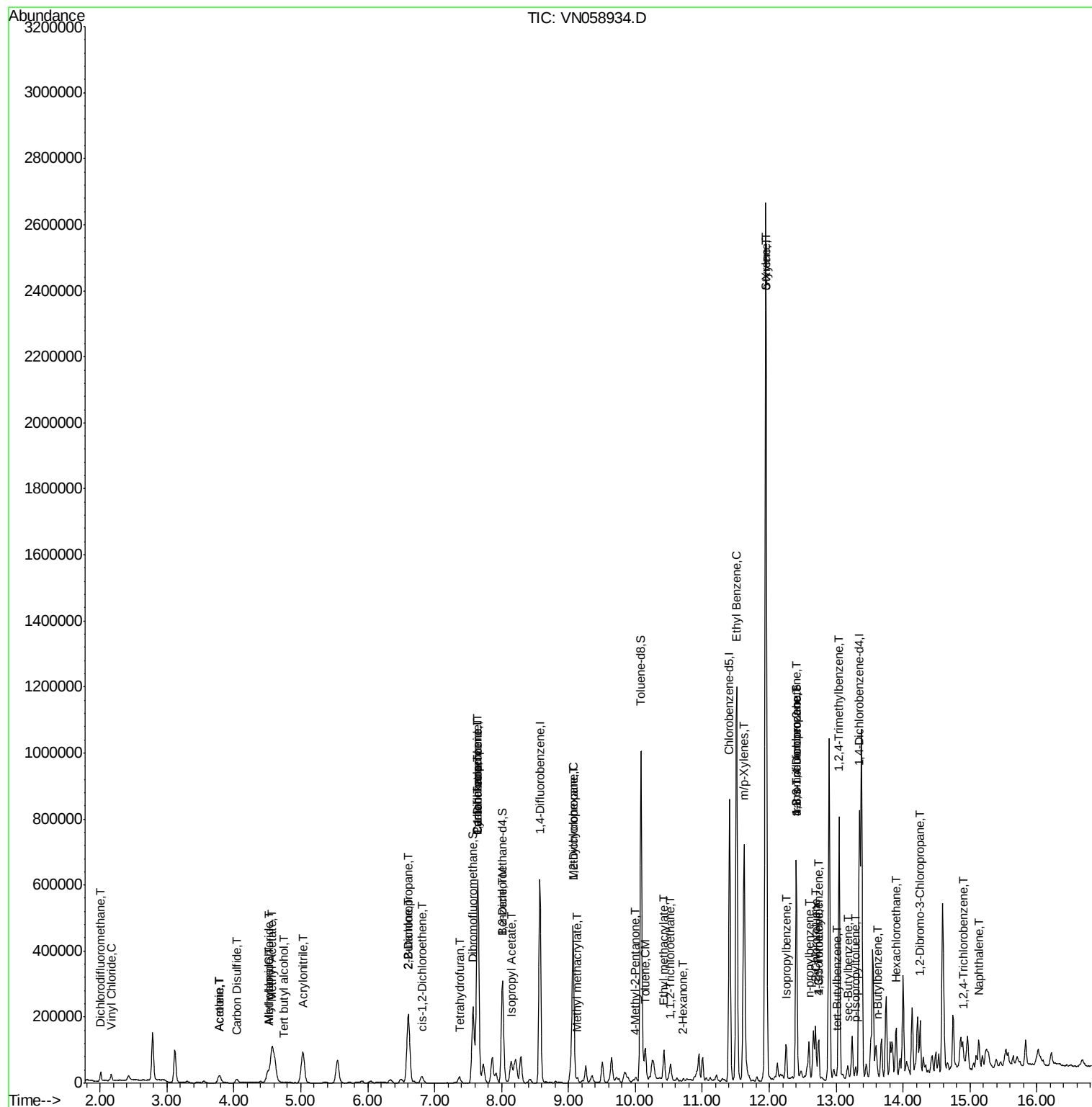
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.69	91	11029	0.995	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	56400	4.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	119549	64.112	ug/l #	11
82) 4-Chlorotoluene	12.74	91	5731	0.506	ug/l #	43
83) tert-Butylbenzene	13.00	119	4003	0.364	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	431636	34.003	ug/l	99
85) sec-Butylbenzene	13.18	105	21710	1.480	ug/l	80
86) p-Isopropyltoluene	13.29	119	16608	1.283	ug/l	97
89) n-Butylbenzene	13.62	91	6295	0.529	ug/l #	52
90) Hexachloroethane	13.90	117	6723	2.563	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	522	0.428	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	154	2.556	ug/l #	1
95) Naphthalene	15.13	128	64790	7.382	ug/l	98

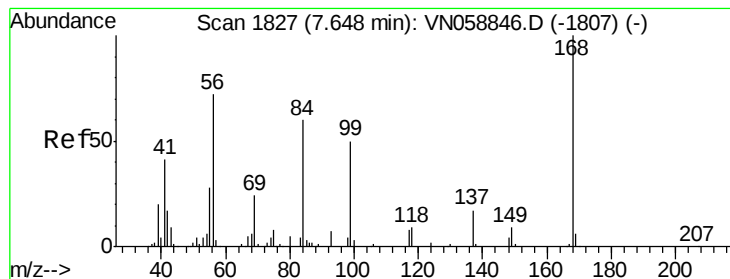
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

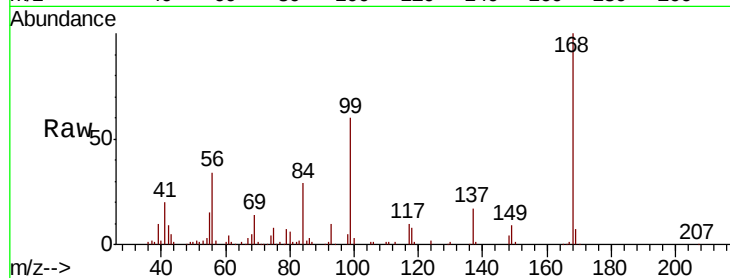
S81-0106

Tot Ion:168 Resp: 320736

Ion Ratio Lower Upper

168 100

99 60.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

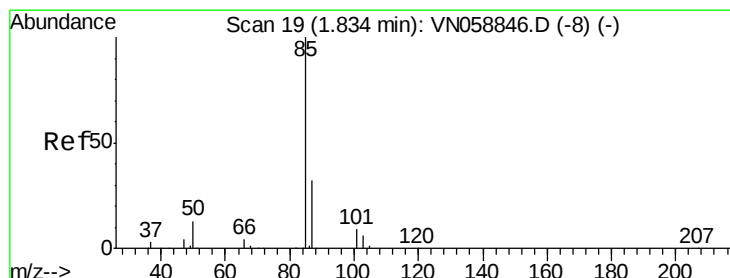
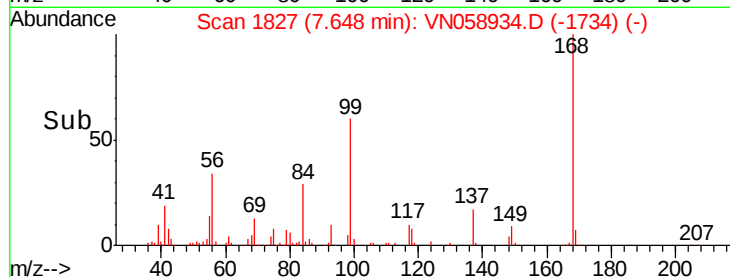
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.833 ug/l

RT: 2.01 min Scan# 74

Delta R.T. 0.18 min

Lab File: VN058934.D

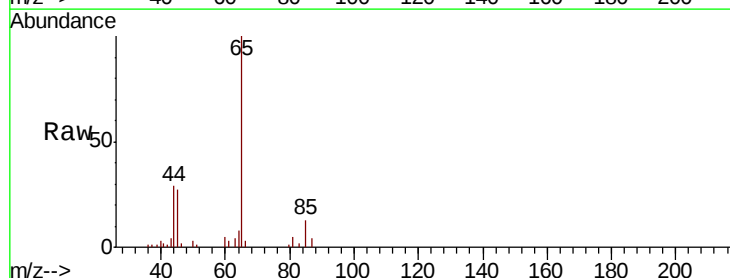
Acq: 23 Oct 2019 16:52

Tgt Ion: 85 Resp: 3331

Ion Ratio Lower Upper

85 100

87 30.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

2.01

2500

2000

1500

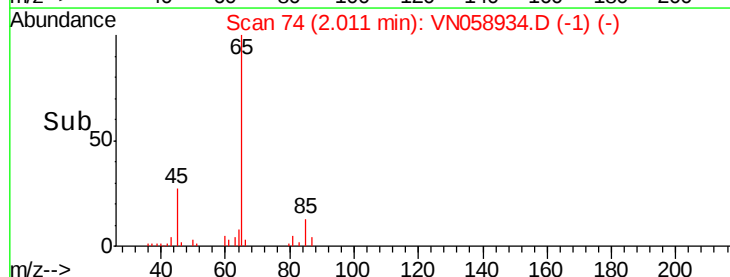
1000

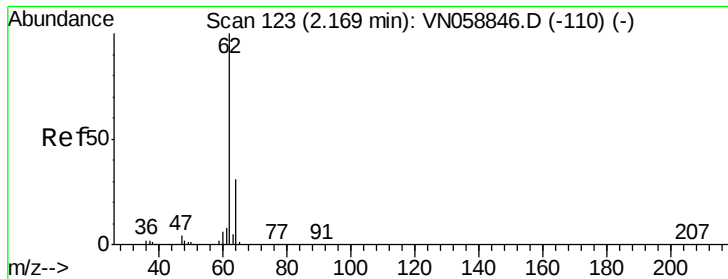
500

0

2.00 2.05

Time-->





#4

Vinyl Chloride

Concen: 2.281 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

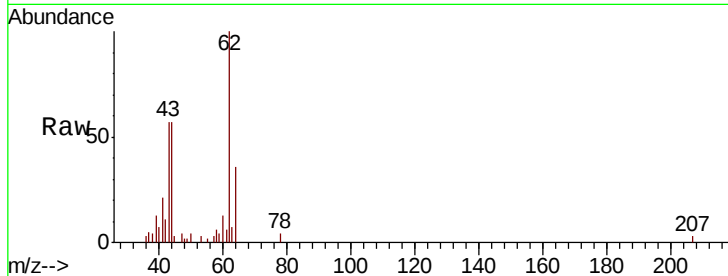
S81-0106

Tot Ion: 62 Resp: 11218

Ion Ratio Lower Upper

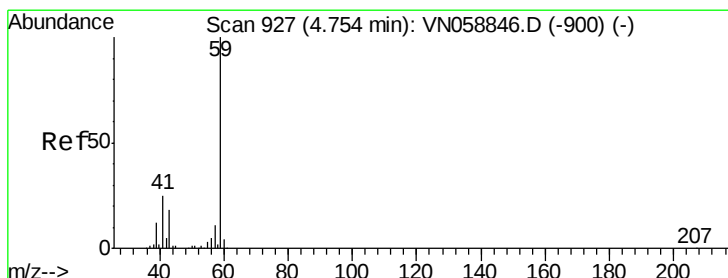
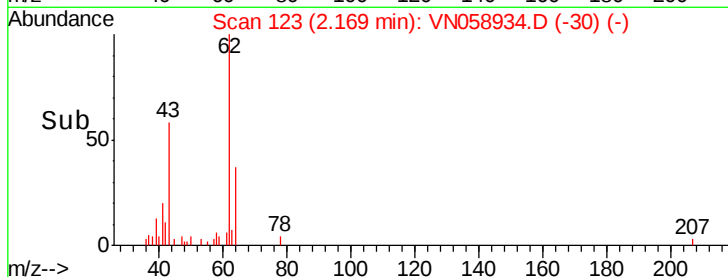
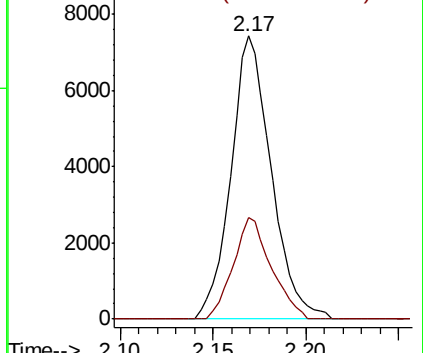
62 100

64 35.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#11

Tert butyl alcohol

Concen: 0.382 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN058934.D

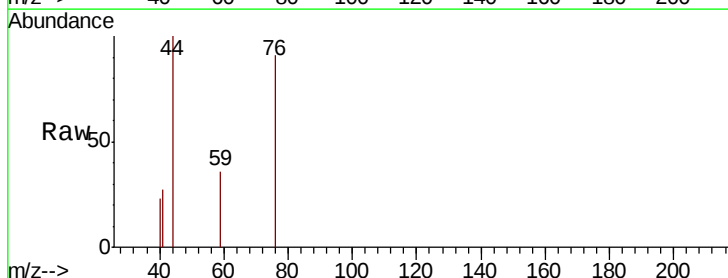
Acq: 23 Oct 2019 16:52

Tgt Ion: 59 Resp: 298

Ion Ratio Lower Upper

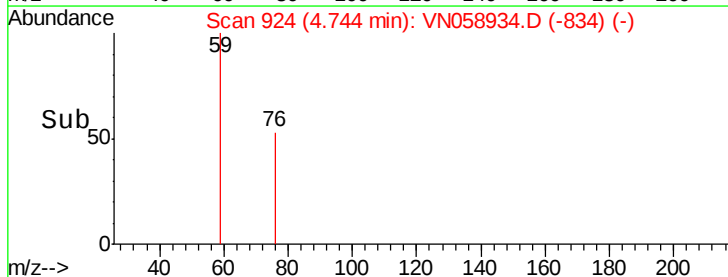
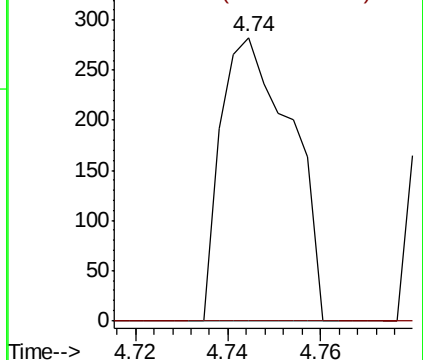
59 100

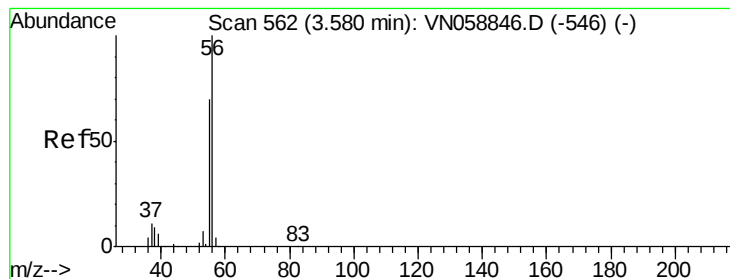
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 7.980 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.21 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

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ClientSampleId :

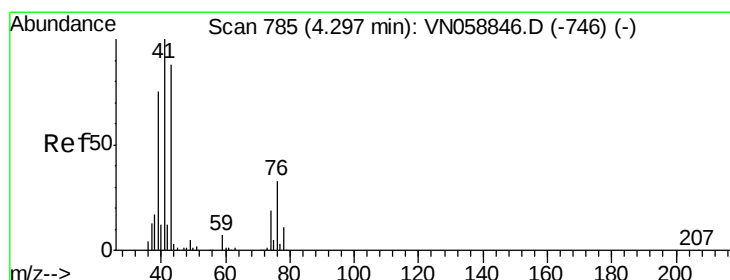
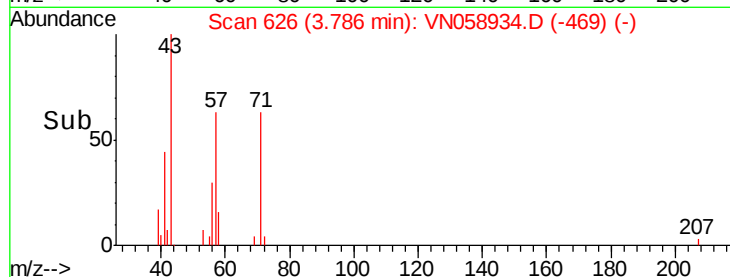
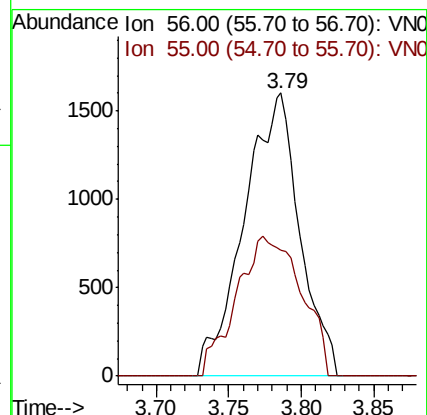
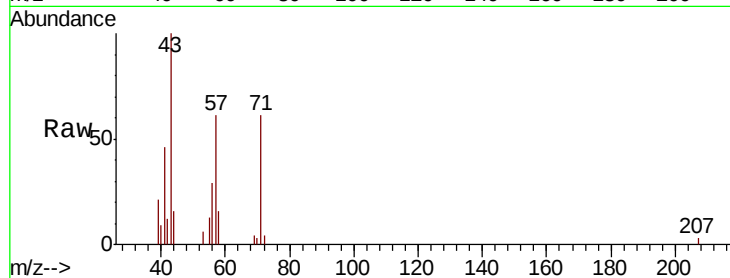
S81-0106

Tot Ion: 56 Resp: 4280

Ion Ratio Lower Upper

56 100

55 57.2 56.6 85.0



#14

Allyl chloride

Concen: 1.644 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.21 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

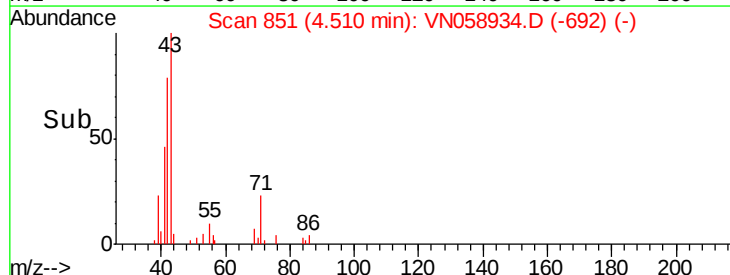
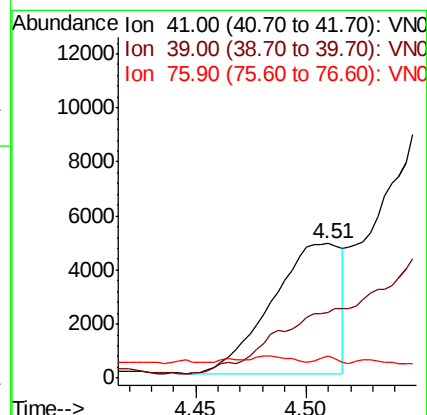
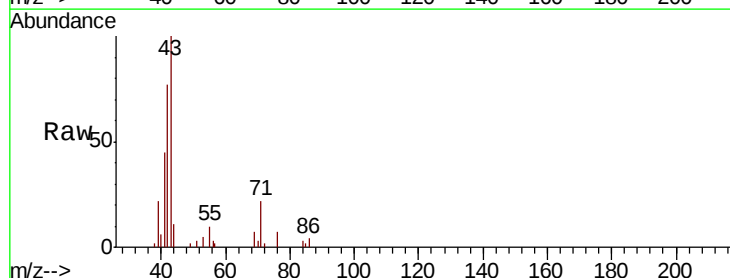
Tgt Ion: 41 Resp: 10519

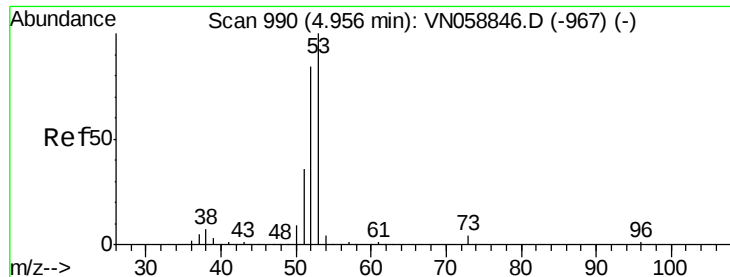
Ion Ratio Lower Upper

41 100

39 0.0 55.9 83.9#

76 1.4 24.1 36.1#





#15

Acrylonitrile

Concen: 2.214 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.07 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

S81-0106

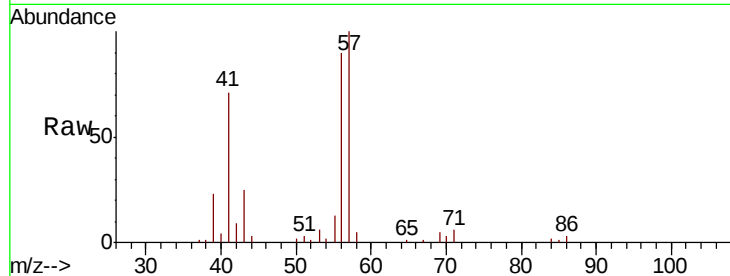
Tot Ion: 53 Resp: 4348

Ion Ratio Lower Upper

53 100

52 6.3 66.6 99.8#

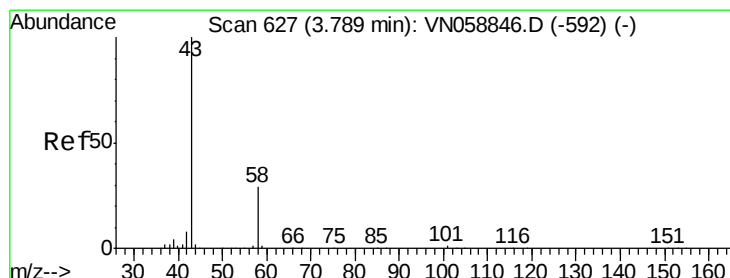
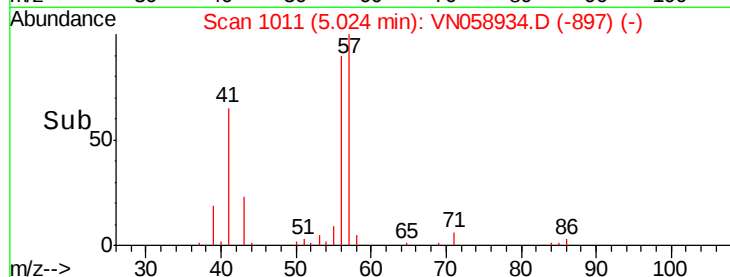
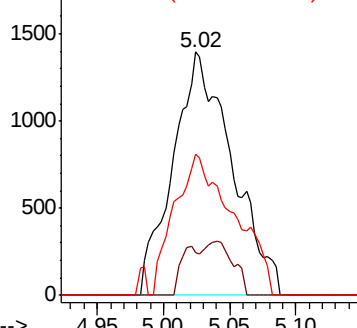
51 58.1 29.2 43.8#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 9.099 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058934.D

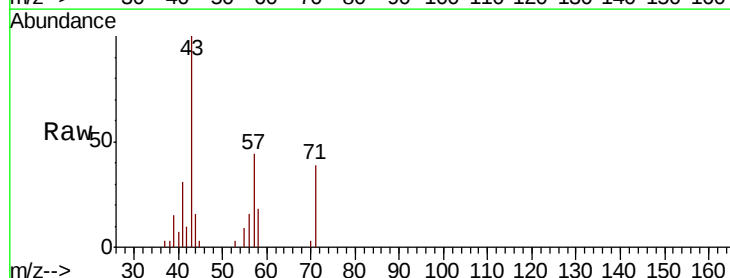
Acq: 23 Oct 2019 16:52

Tgt Ion: 43 Resp: 21151

Ion Ratio Lower Upper

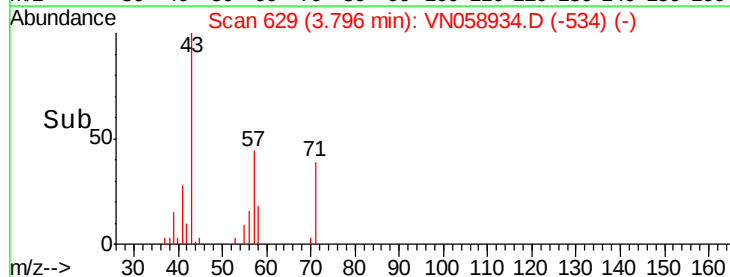
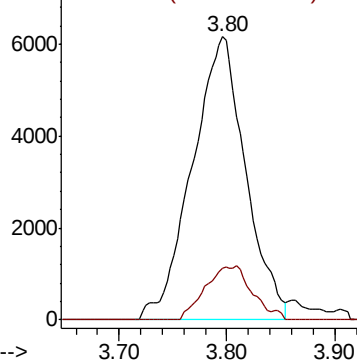
43 100

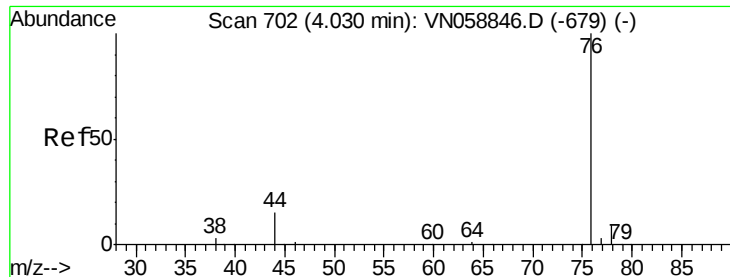
58 18.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

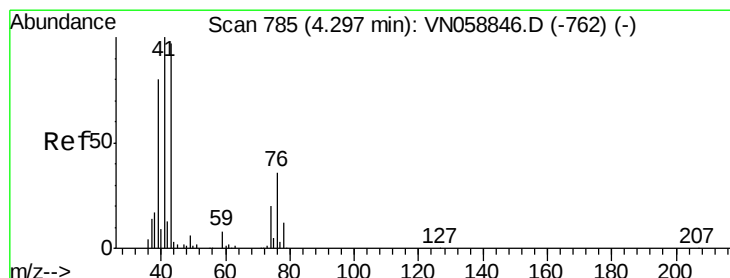
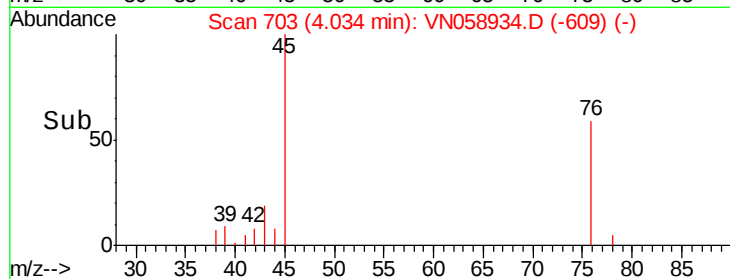
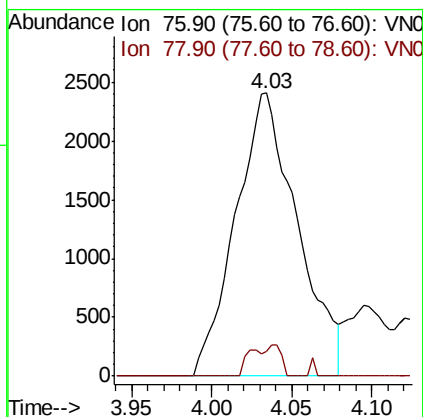
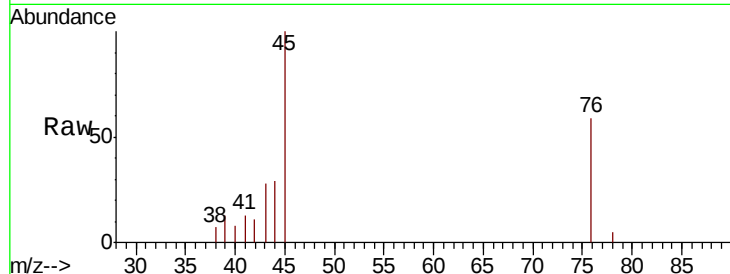




#17
Carbon Disulfide
Concen: 0.627 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

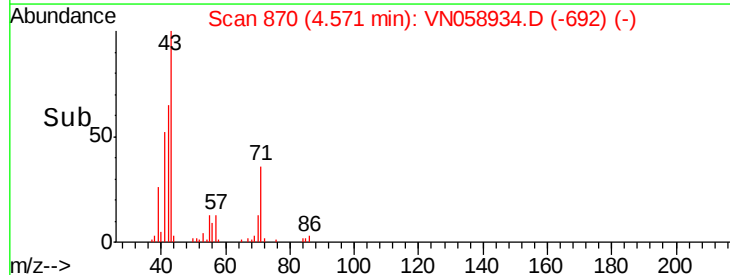
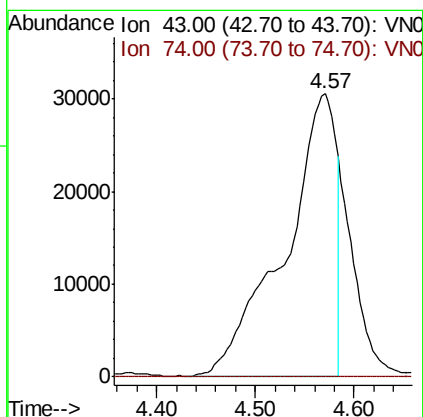
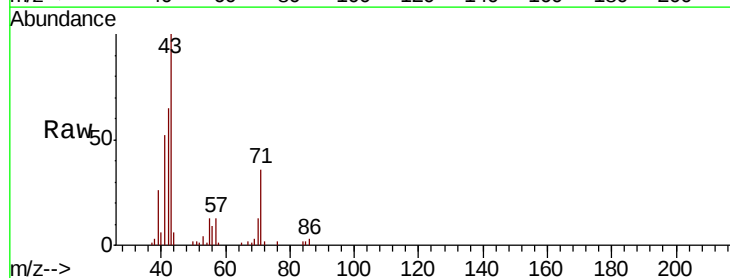
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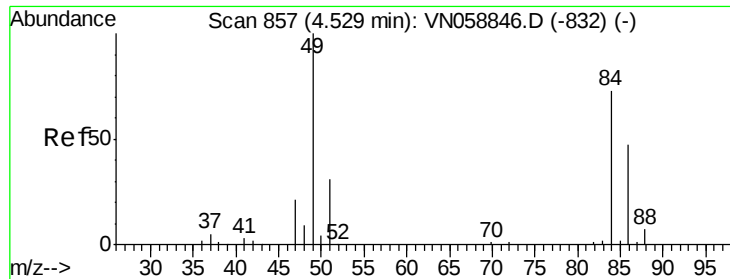
Tot Ion: 76 Resp: 6390
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 20.795 ug/l
RT: 4.57 min Scan# 870
Delta R.T. 0.27 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

Tgt Ion: 43 Resp: 109898
Ion Ratio Lower Upper
43 100
74 0.0 17.1 25.7#

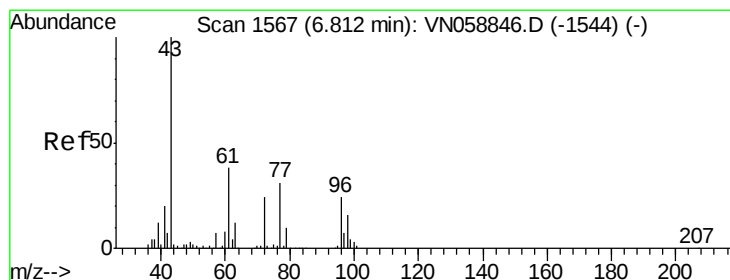
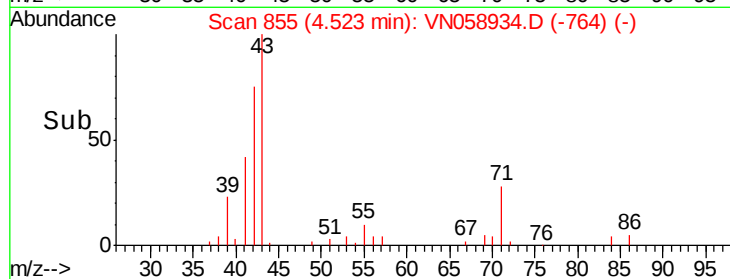
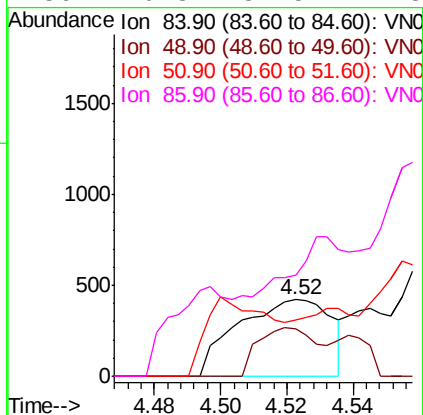
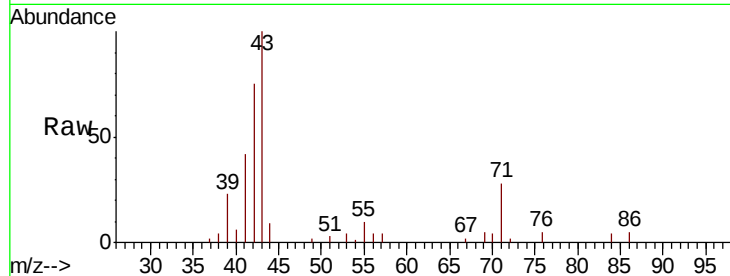




#20
Methvlene Chloride
Concen: 0.208 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

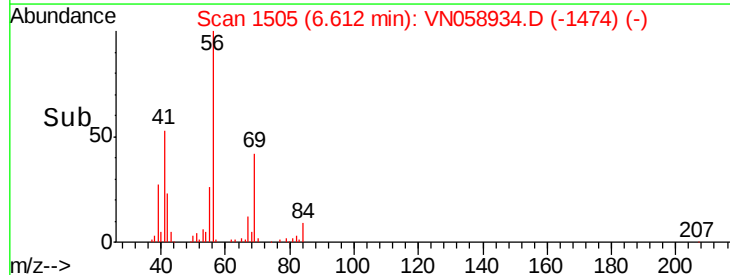
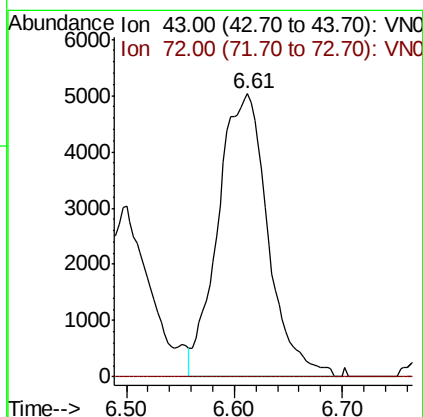
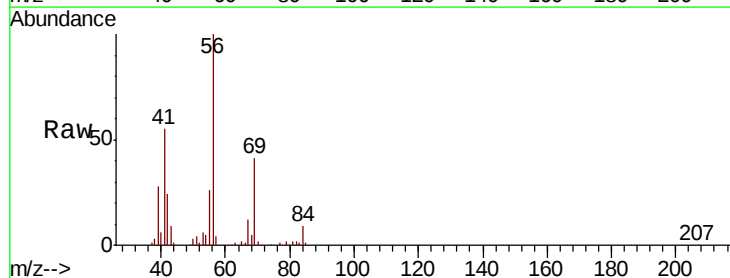
Instrument :
MSVOA_N
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S81-0106

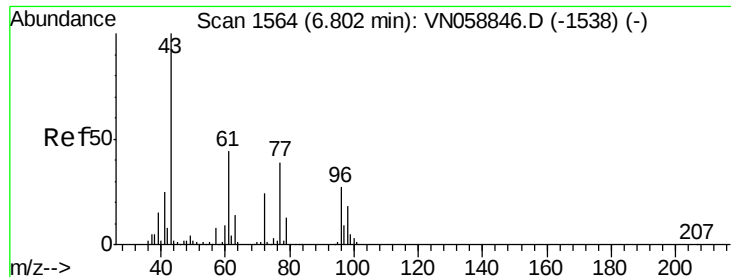
Tot Ion: 84 Resp: 826
Ion Ratio Lower Upper
84 100
49 62.3 109.6 164.4#
51 73.5 33.8 50.6#
86 40.3 51.5 77.3#



#25
2-Butanone
Concen: 5.367 ug/l
RT: 6.61 min Scan# 1505
Delta R.T. -0.20 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

Tgt Ion: 43 Resp: 16194
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#





#26

2,2-Dichloropropane

Concen: 0.386 ug/l

RT: 6.61 min Scan# 1503

Delta R.T. -0.20 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

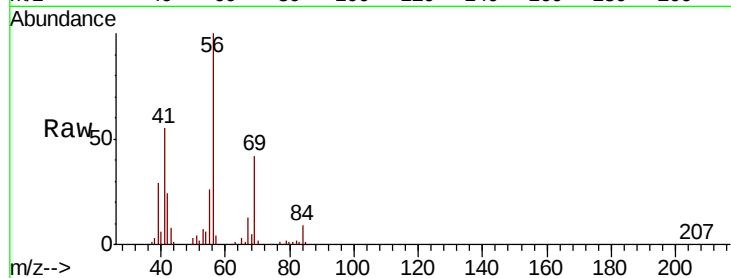
S81-0106

Tot Ion: 77 Resp: 2421

Ion Ratio Lower Upper

77 100

97 0.0 10.6 31.8#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.61

800

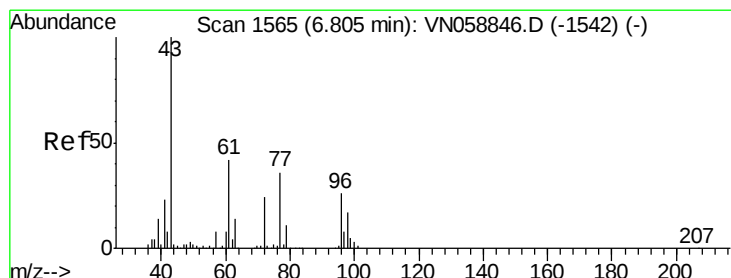
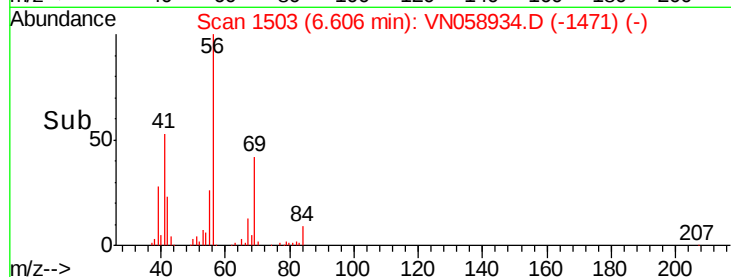
600

400

200

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 2.747 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

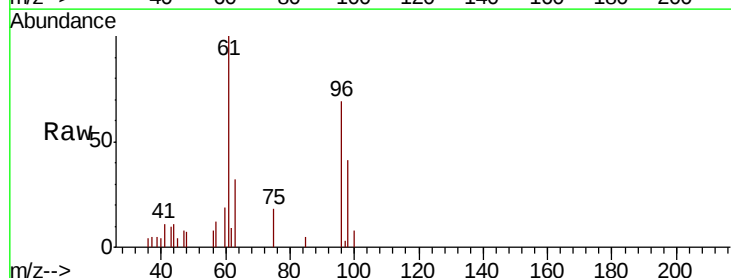
Tgt Ion: 96 Resp: 10957

Ion Ratio Lower Upper

96 100

61 140.3 0.0 325.0

98 29.5 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

6.81

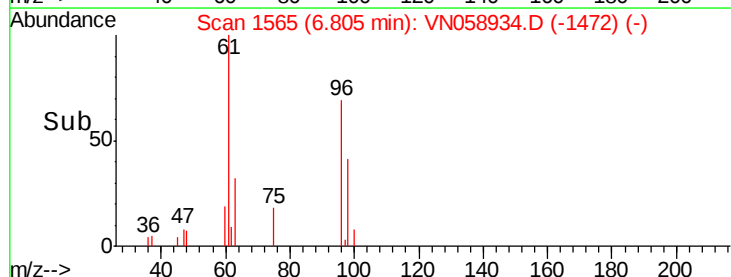
6000

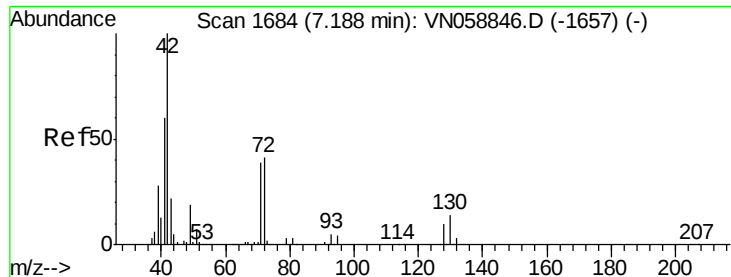
4000

2000

0

Time-->





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.18 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

S81-0106

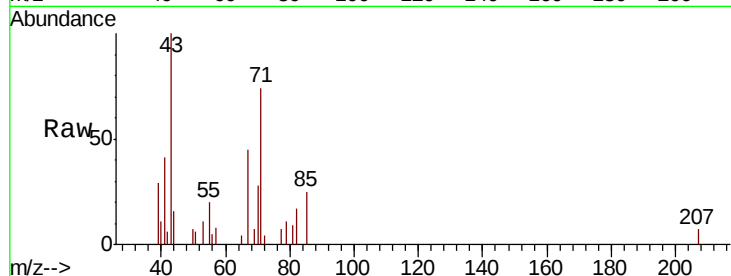
Tot Ion: 42 Resp: 442

Ion Ratio Lower Upper

42 100

72 36.4 32.2 48.2

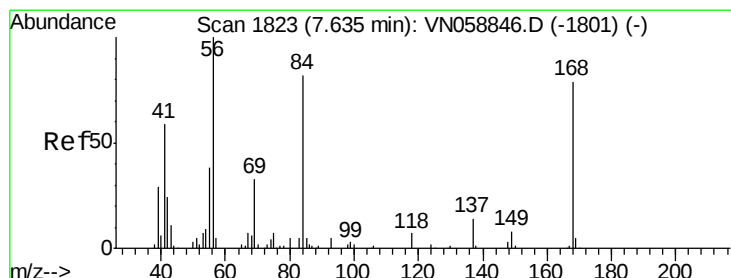
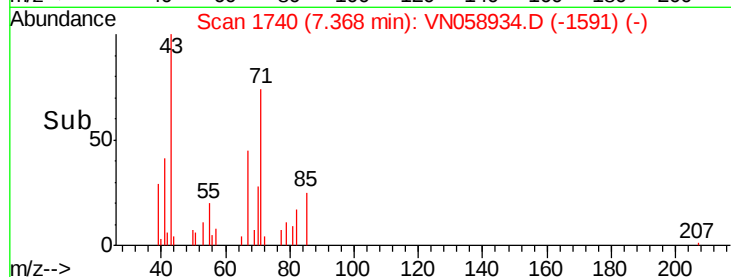
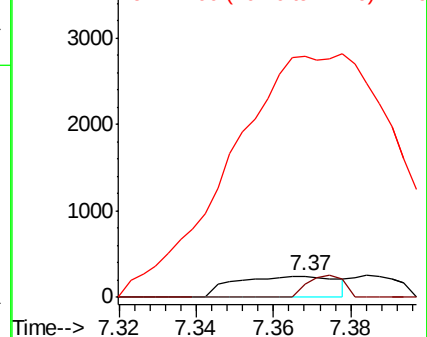
71 1041.9 30.6 45.8#



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: 22.133 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

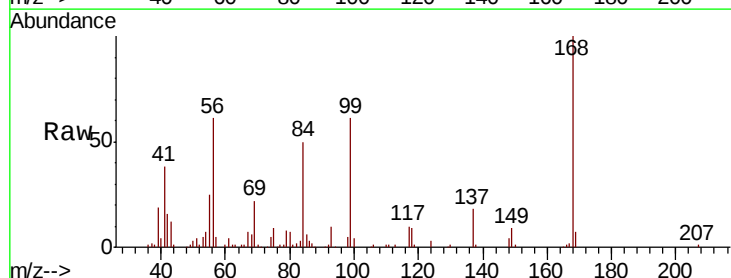
Tgt Ion: 56 Resp: 149625

Ion Ratio Lower Upper

56 100

69 35.7 26.2 39.4

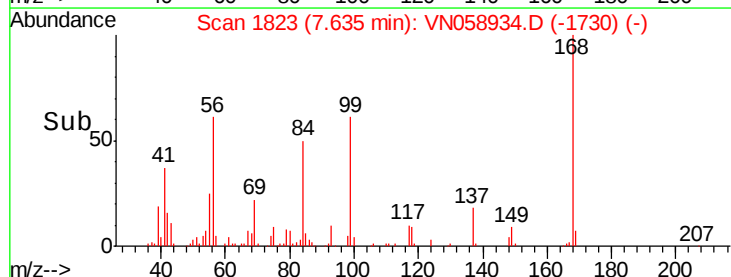
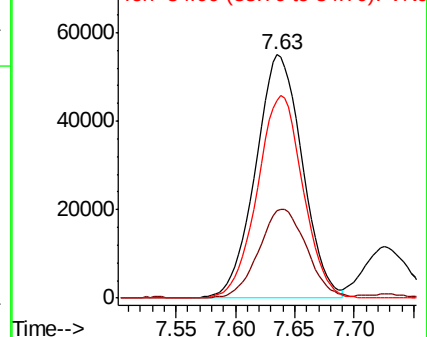
84 81.2 65.6 98.4

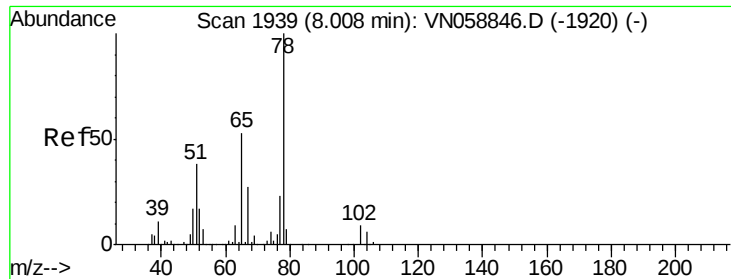


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

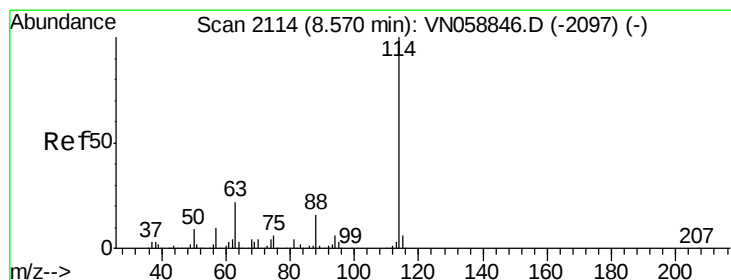
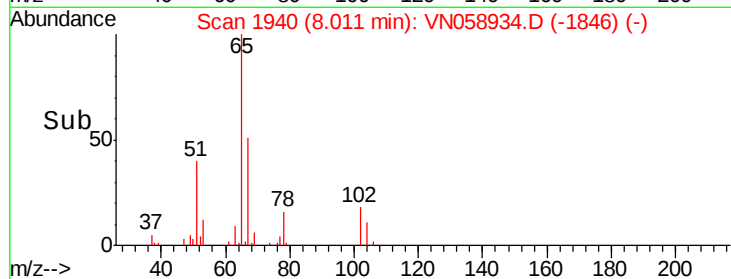
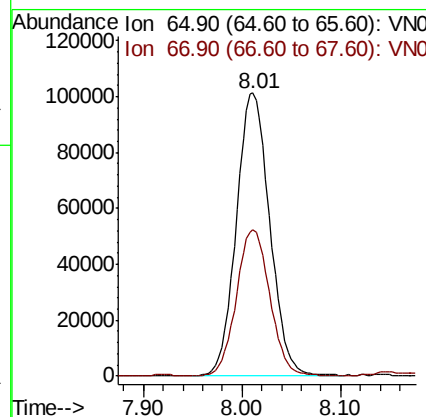
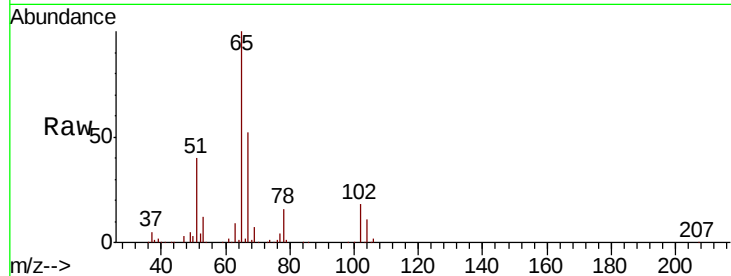




#33
 1,2-Dichloroethane-d4
 Concen: 50.795 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058934.D
 Acq: 23 Oct 2019 16:52

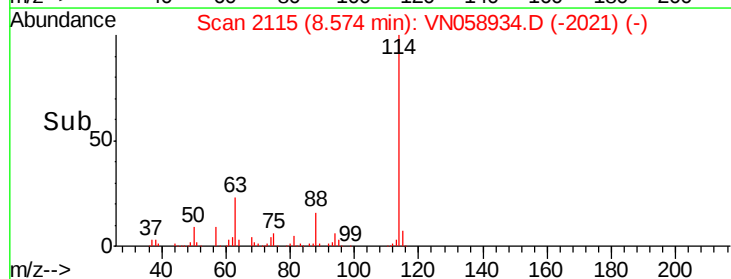
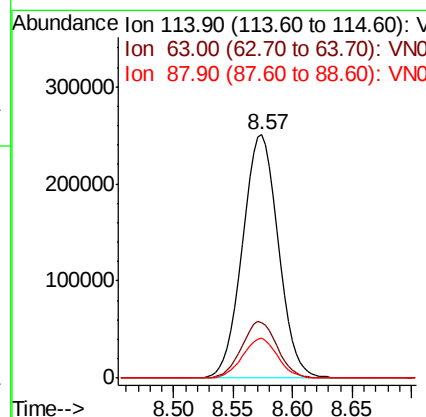
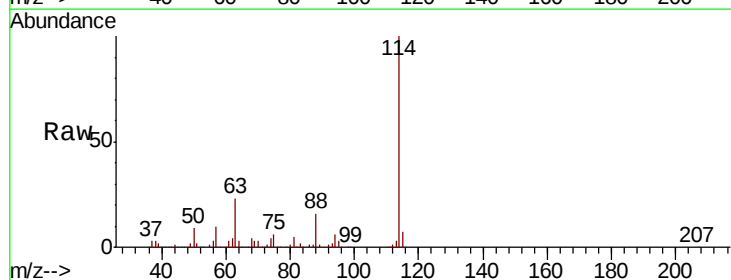
Instrument :
 MSVOA_N
 ClientSampleId :
 S81-0106

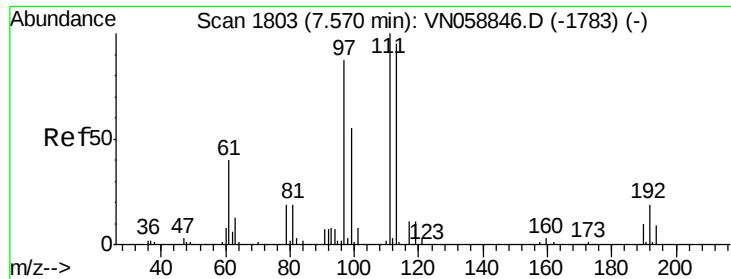
Tot Ion: 65 Resp: 238944
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058934.D
 Acq: 23 Oct 2019 16:52

Tgt Ion: 114 Resp: 524606
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.4
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.707 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

S81-0106

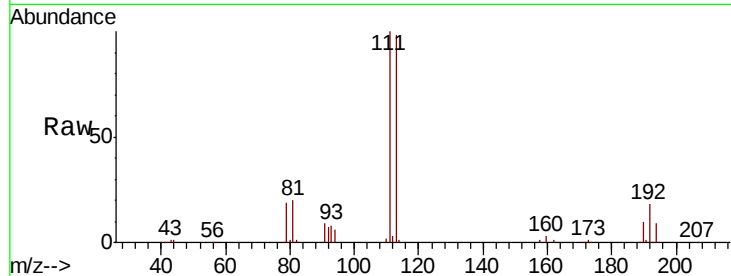
Tot Ion:113 Resp: 171446

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

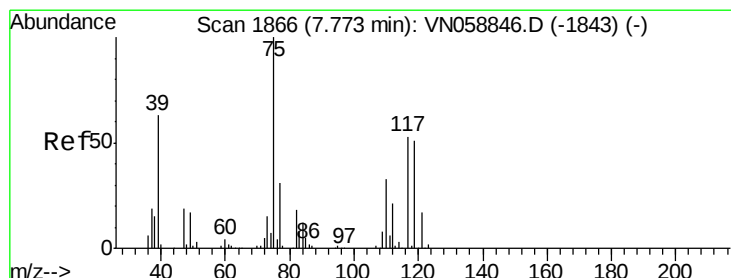
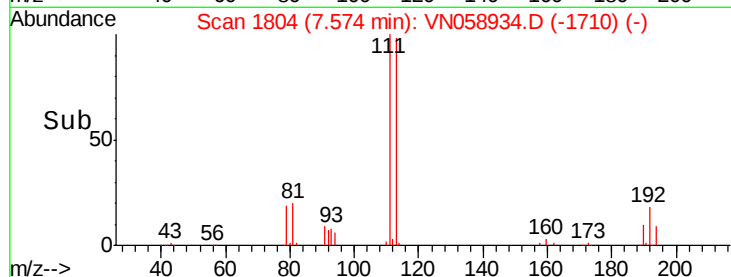
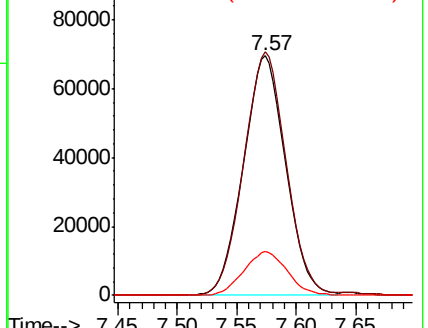
192 18.7 15.0 22.6



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: 4.900 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

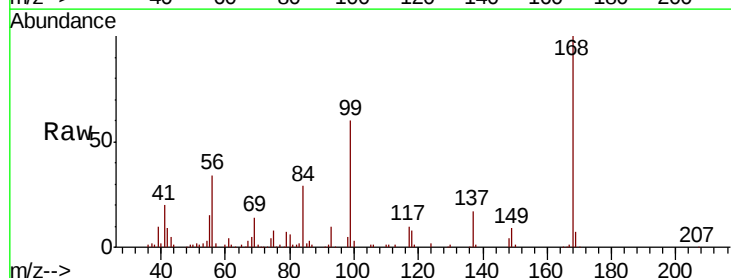
Tgt Ion: 75 Resp: 26317

Ion Ratio Lower Upper

75 100

110 9.3 16.3 48.9#

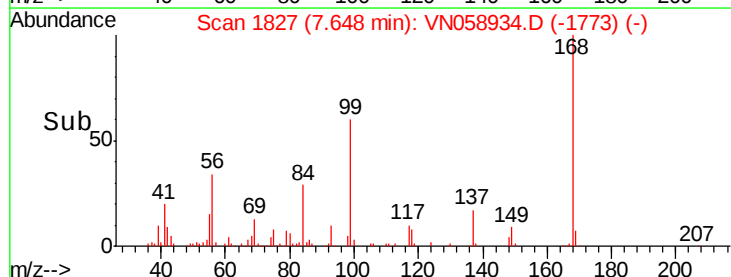
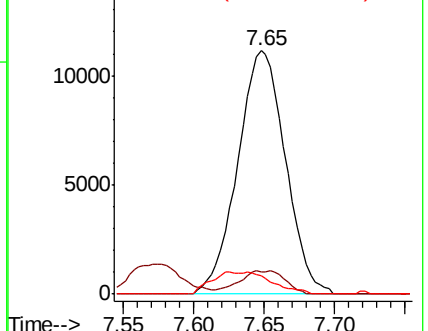
77 0.0 24.6 36.8#

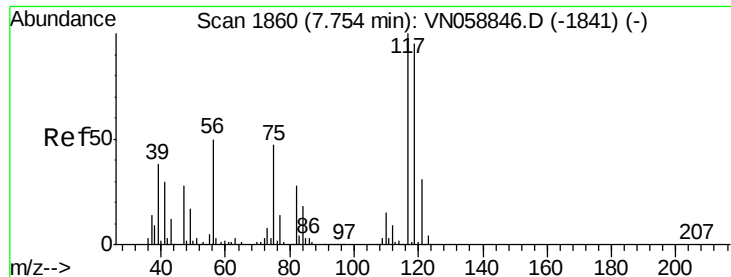


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

S81-0106

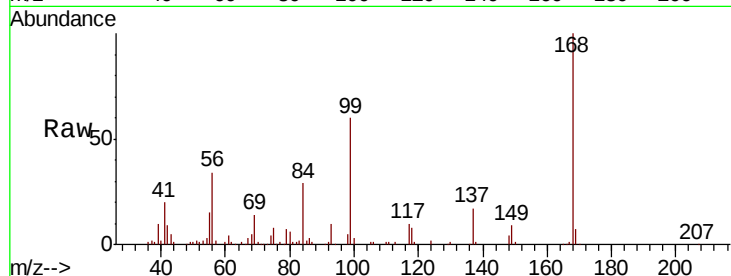
Tot Ion:117 Resp: 31313

Ion Ratio Lower Upper

117 100

119 5.4 75.7 113.5#

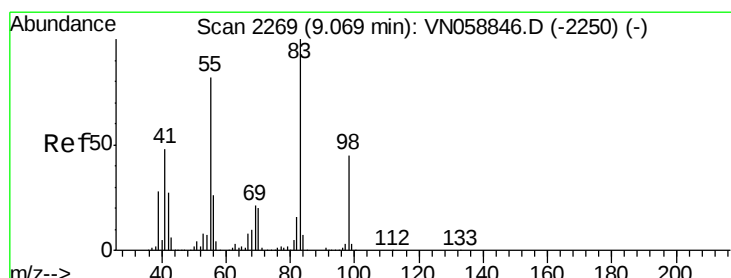
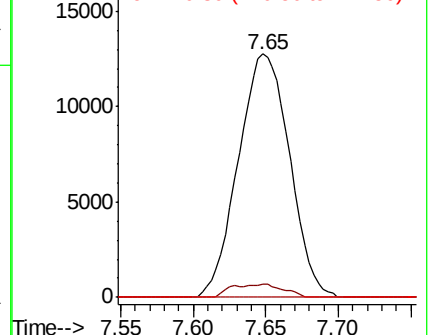
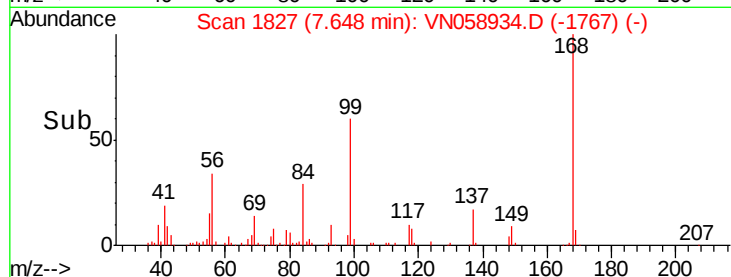
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 31.664 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

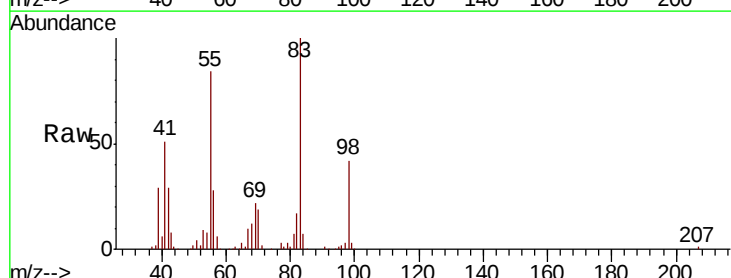
Tgt Ion: 83 Resp: 190954

Ion Ratio Lower Upper

83 100

55 84.1 65.5 98.3

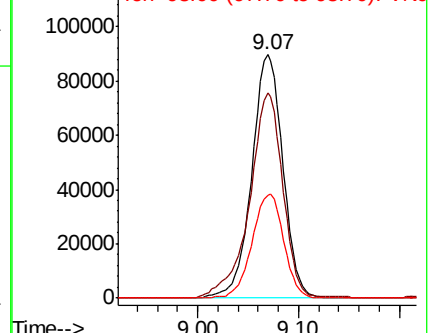
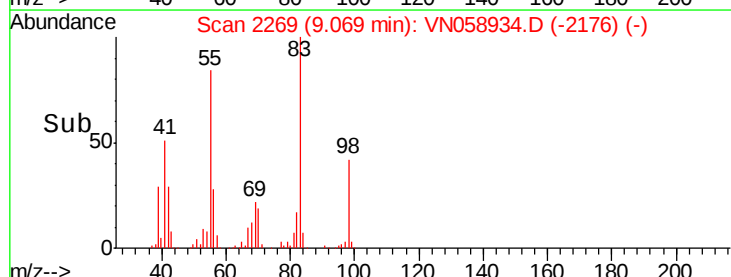
98 42.4 35.7 53.5

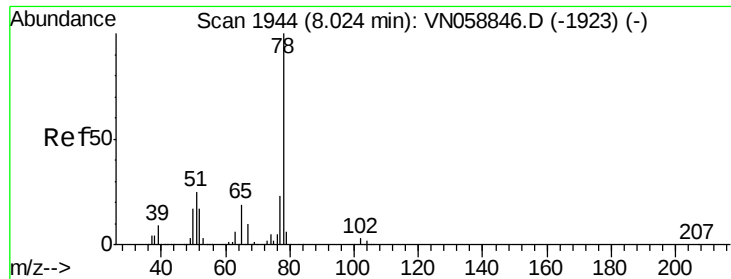


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 3.926 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

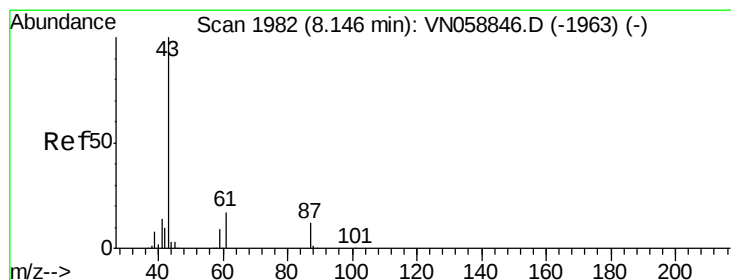
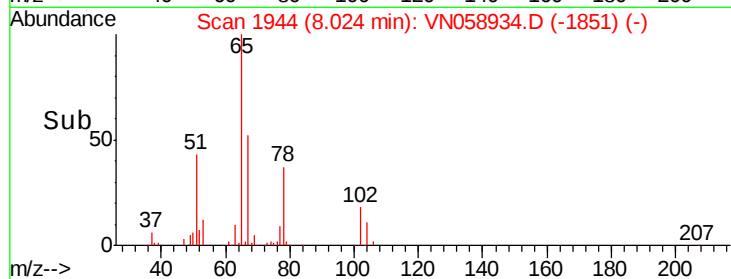
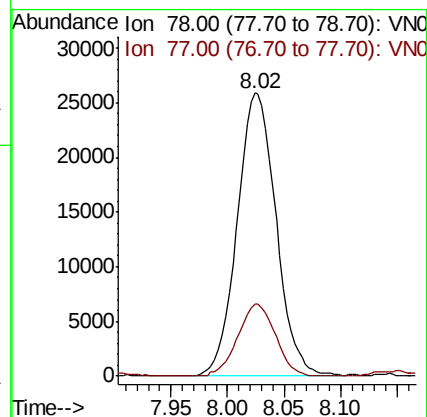
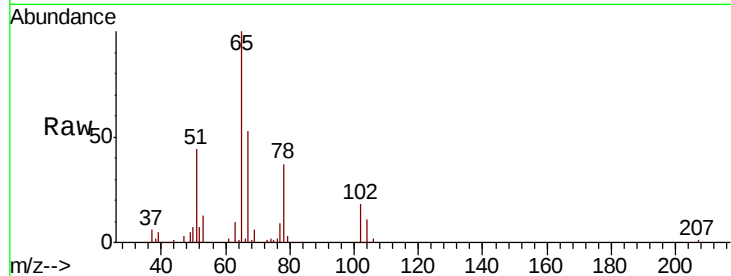
S81-0106

Tot Ion: 78 Resp: 61924

Ion Ratio Lower Upper

78 100

77 25.6 18.2 27.2



#43

Isopropyl Acetate

Concen: 1.365 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.01 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

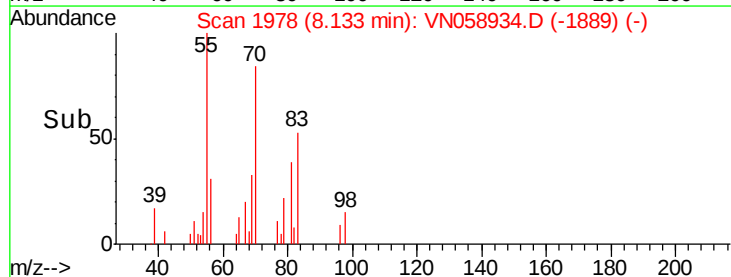
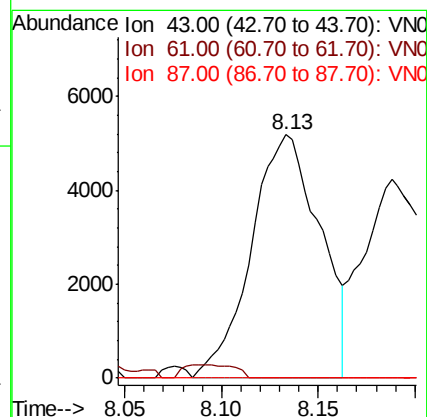
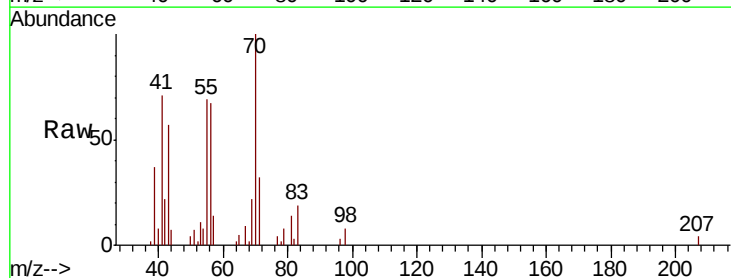
Tgt Ion: 43 Resp: 12811

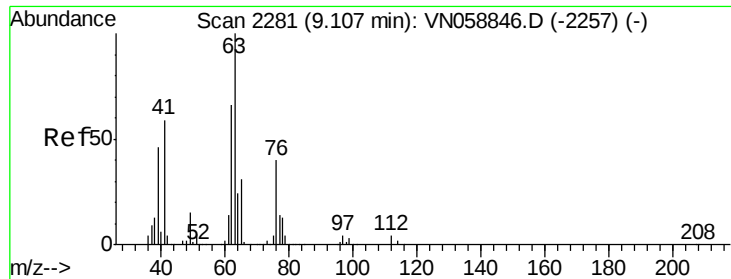
Ion Ratio Lower Upper

43 100

61 0.0 20.2 30.2#

87 0.0 9.5 14.3#





#45

1,2-Dichloropropane

Concen: 0.474 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.04 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

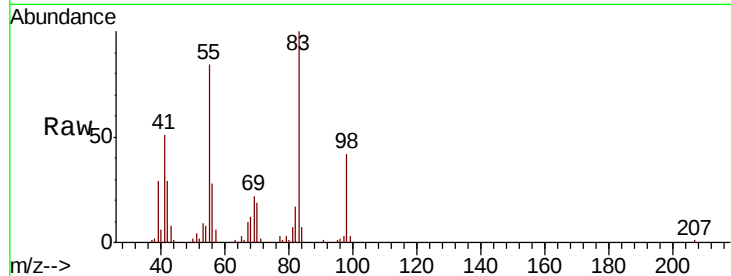
S81-0106

Tot Ion: 63 Resp: 2048

Ion Ratio Lower Upper

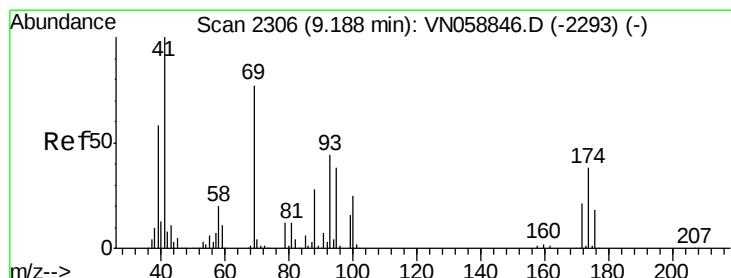
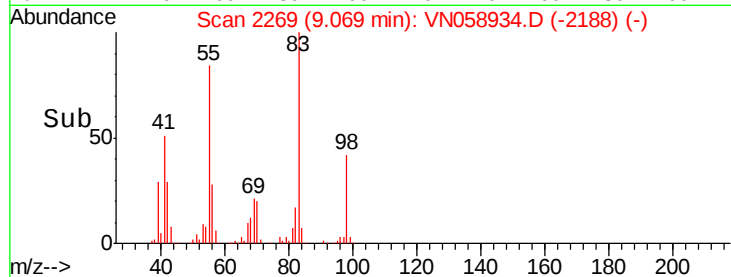
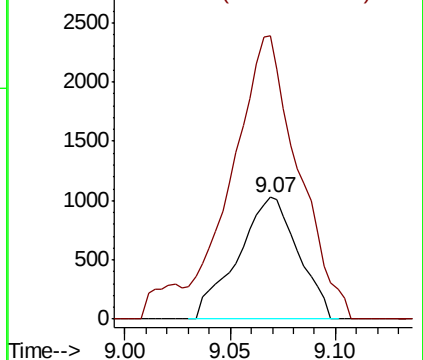
63 100

65 207.8 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 0.923 ug/l

RT: 9.14 min Scan# 2290

Delta R.T. -0.05 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

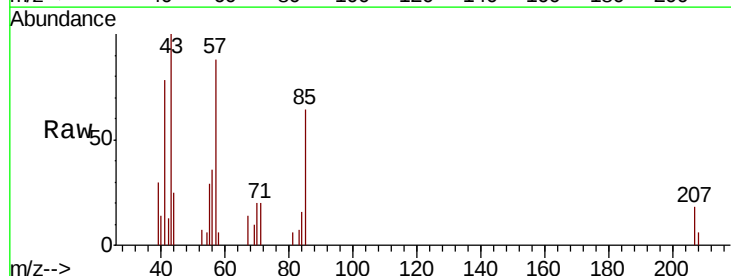
Tgt Ion: 41 Resp: 3932

Ion Ratio Lower Upper

41 100

69 0.0 63.8 95.6#

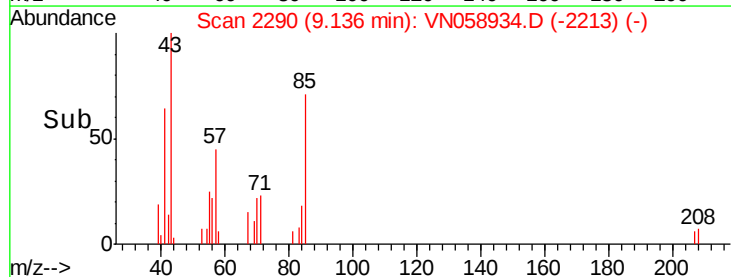
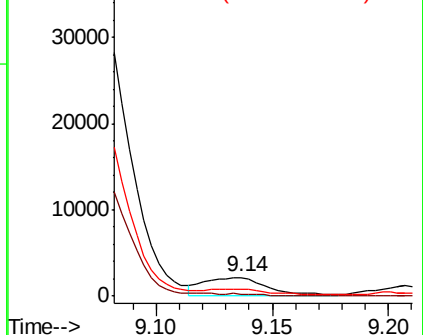
39 0.0 47.8 71.8#

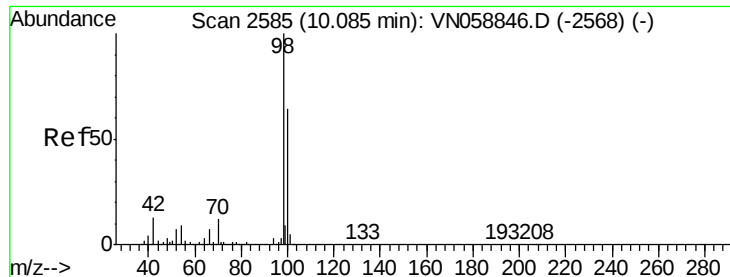


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 47.140 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

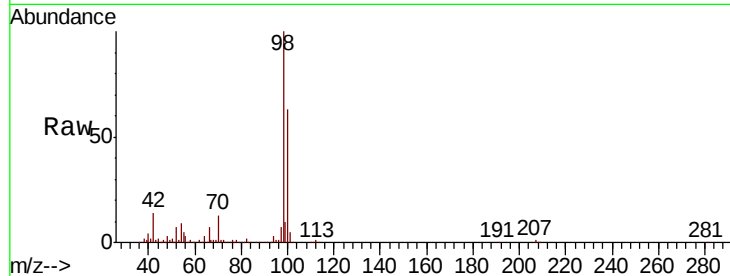
S81-0106

Tot Ion: 98 Resp: 631166

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058846.D (-2568) (-)

10.09

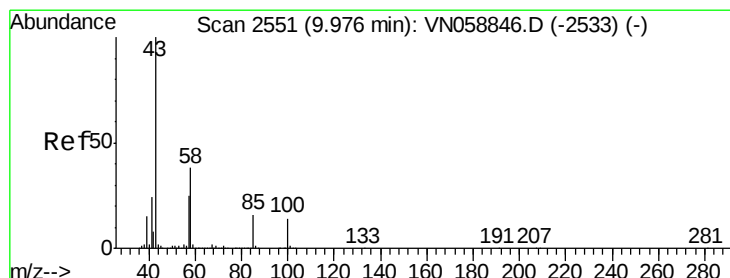
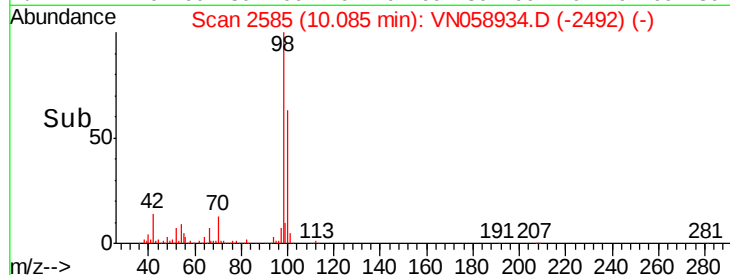
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.400 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058934.D

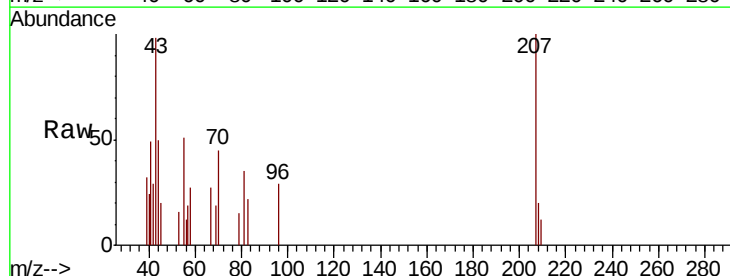
Acq: 23 Oct 2019 16:52

Tgt Ion: 43 Resp: 2194

Ion Ratio Lower Upper

43 100

58 28.9 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

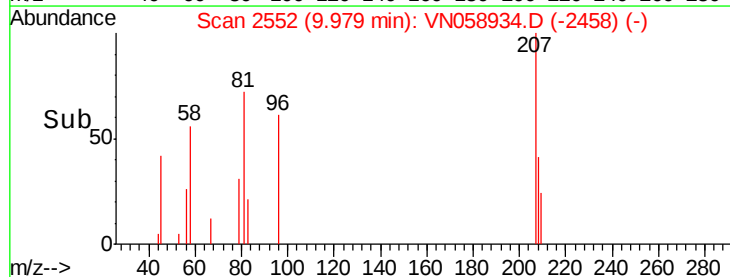
1500

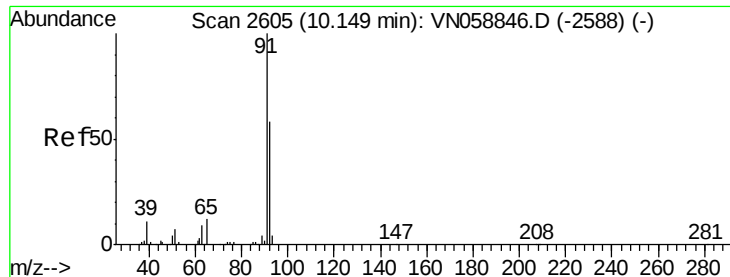
1000

500

0

Time-->





#52

Toluene

Concen: 4.357 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

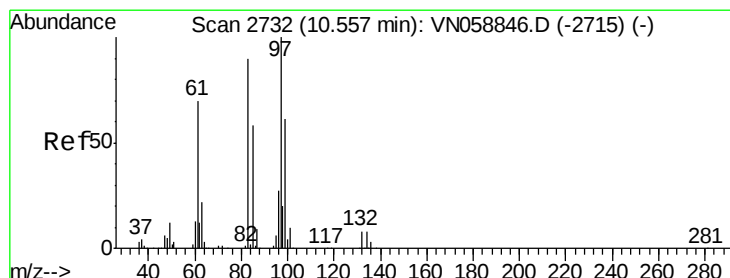
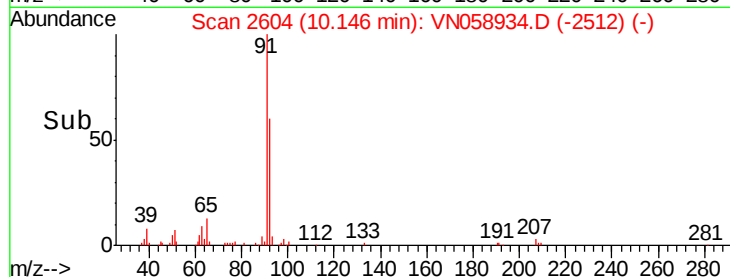
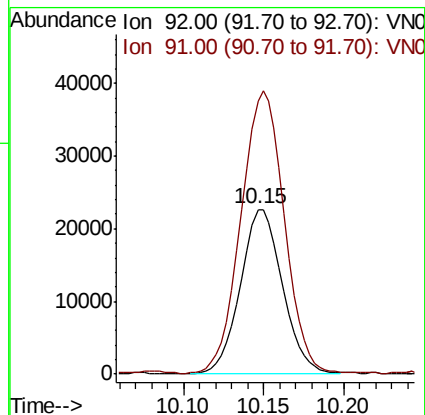
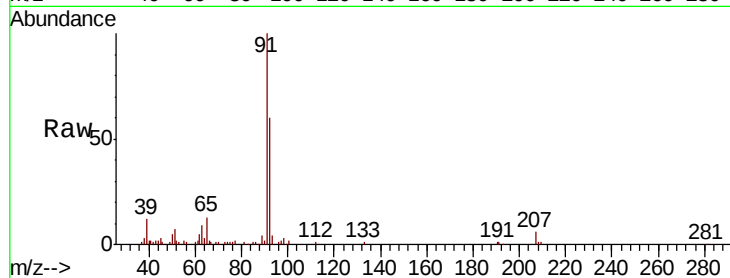
S81-0106

Tot Ion: 92 Resp: 40750

Ion Ratio Lower Upper

92 100

91 178.1 138.9 208.3



#55

1,1,2-Trichloroethane

Concen: 4.533 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Tgt Ion: 97 Resp: 17464

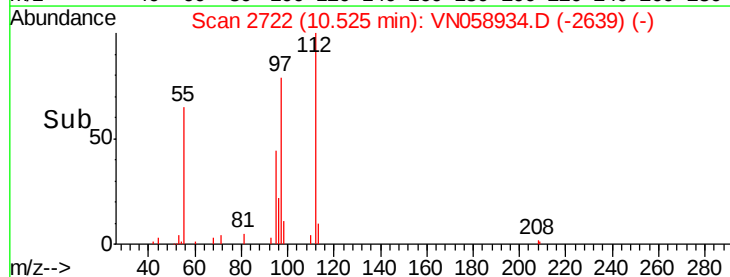
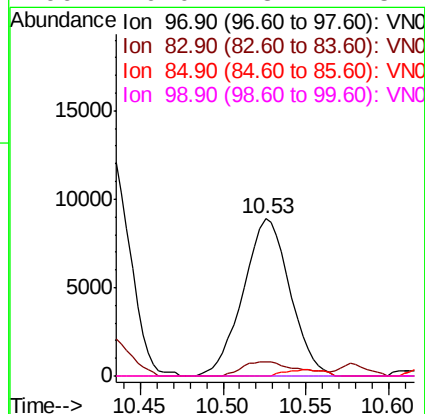
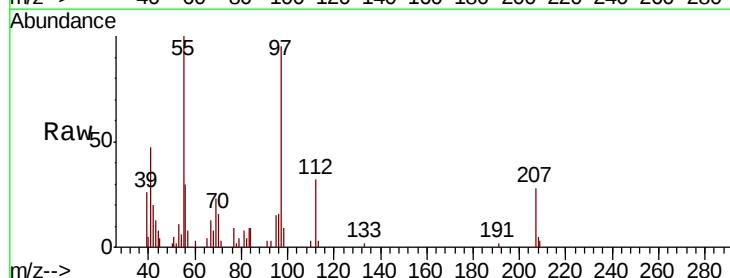
Ion Ratio Lower Upper

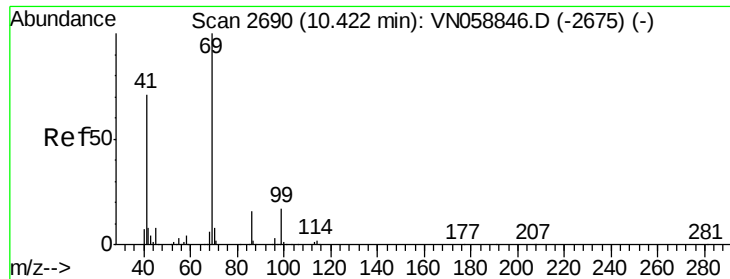
97 100

83 9.2 72.2 108.4#

85 0.0 46.2 69.2#

99 0.0 48.7 73.1#





#56

Ethyl methacrylate

Concen: 3.706 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.01 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

S81-0106

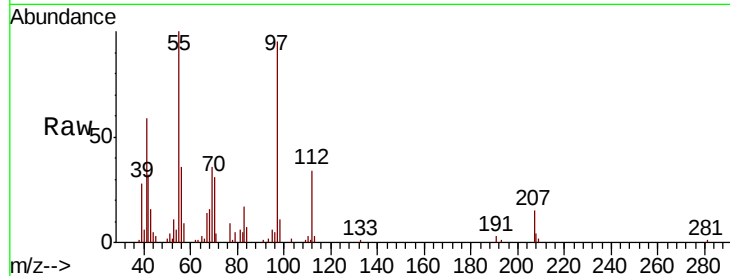
Tot Ion: 69 Resp: 10865

Ion Ratio Lower Upper

69 100

41 144.9 57.2 85.8#

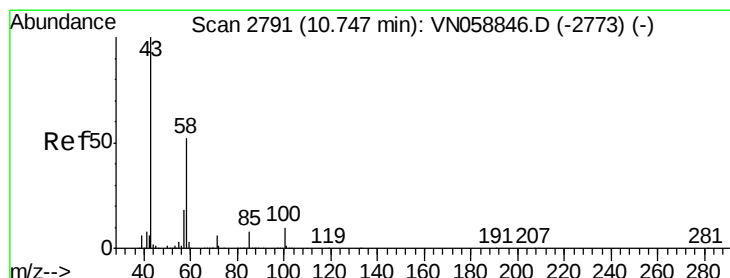
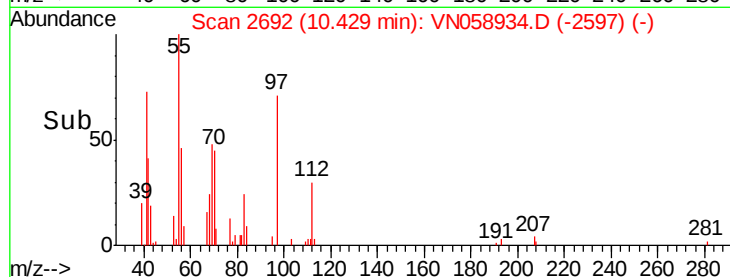
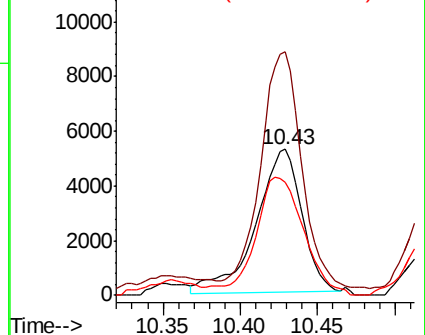
39 84.8 31.0 46.4#



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



#59

2-Hexanone

Concen: 0.994 ug/l

RT: 10.72 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN058934.D

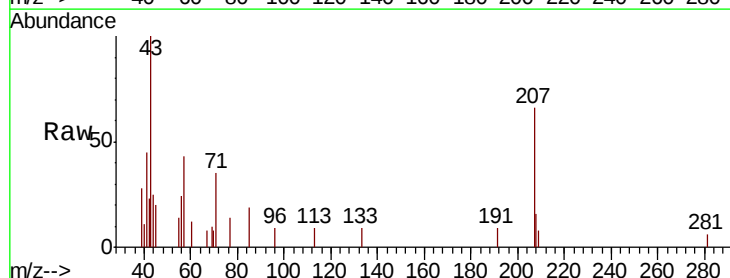
Acq: 23 Oct 2019 16:52

Tgt Ion: 43 Resp: 4212

Ion Ratio Lower Upper

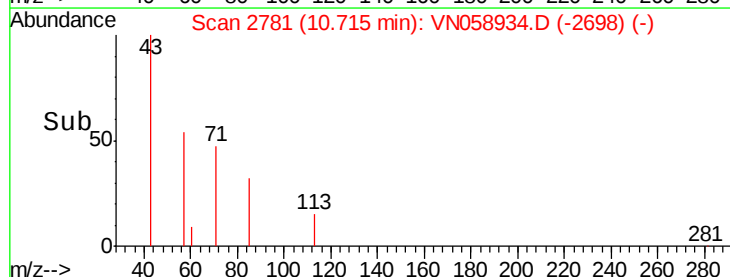
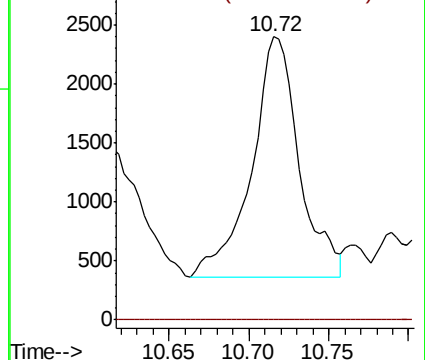
43 100

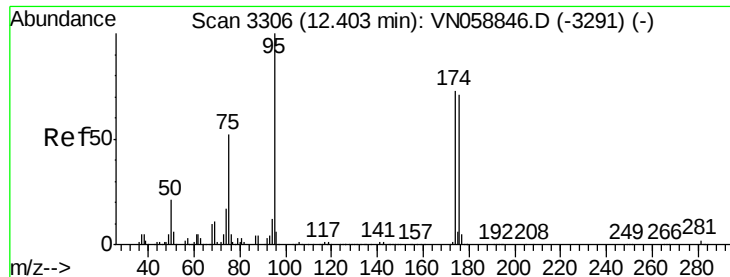
58 0.0 25.9 77.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

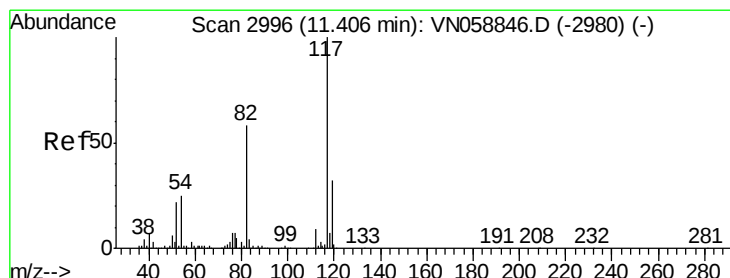
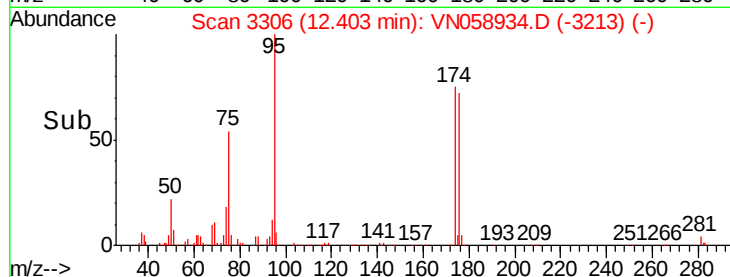
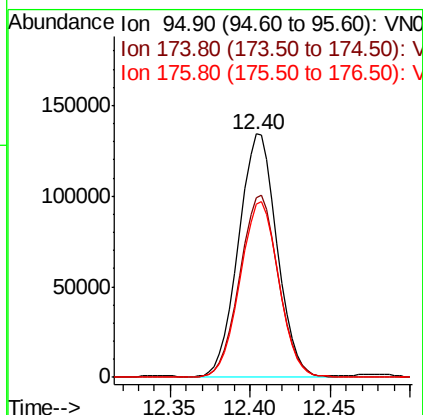
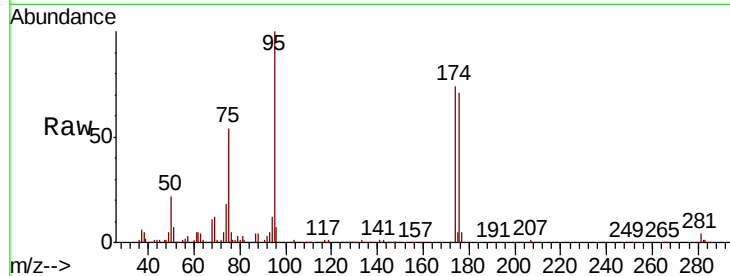




#62
4-Bromofluorobenzene
Concen: 44.541 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

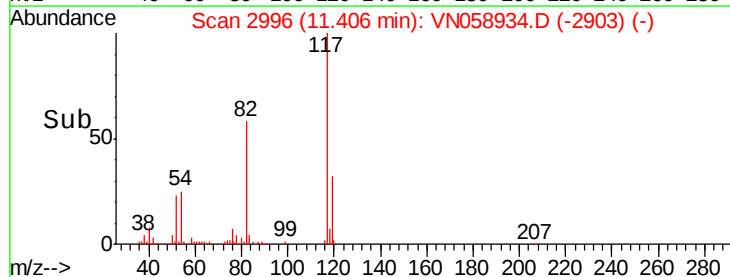
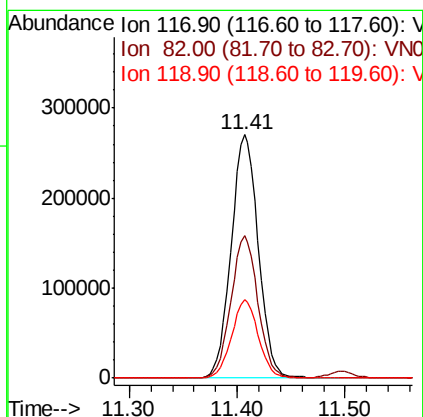
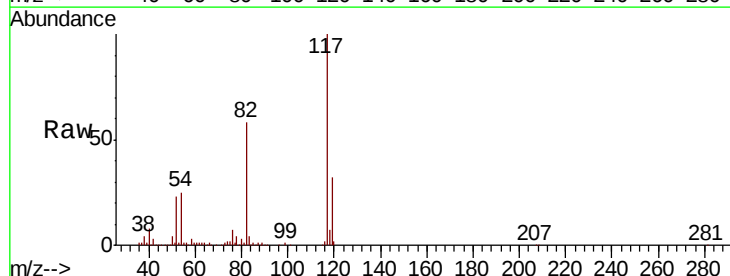
Instrument :
MSVOA_N
ClientSampled :
S81-0106

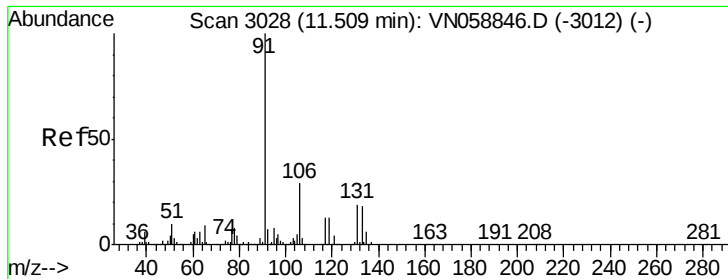
Tot Ion: 95 Resp: 219001
Ion Ratio Lower Upper
95 100
174 76.1 0.0 147.6
176 73.5 0.0 143.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

Tgt Ion: 117 Resp: 474411
Ion Ratio Lower Upper
117 100
82 58.2 46.6 69.8
119 32.0 25.6 38.4





#67

Ethyl Benzene

Concen: 49.104 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

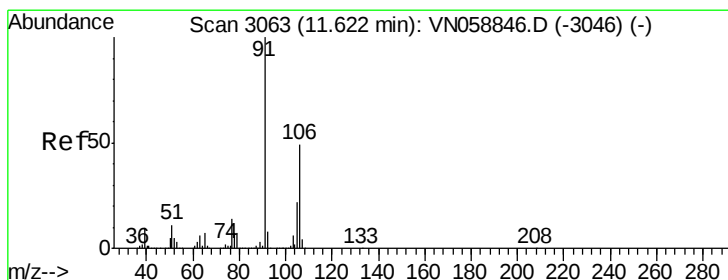
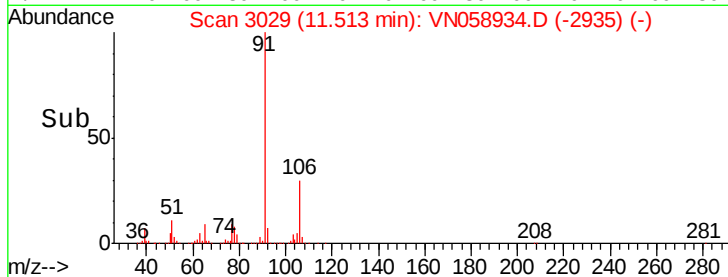
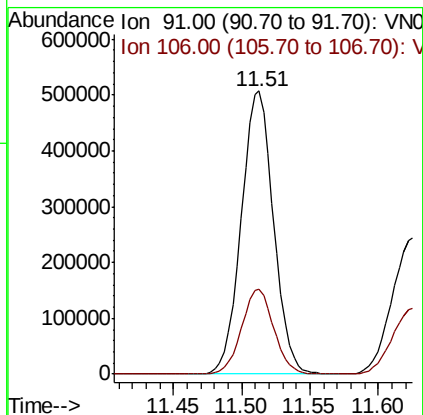
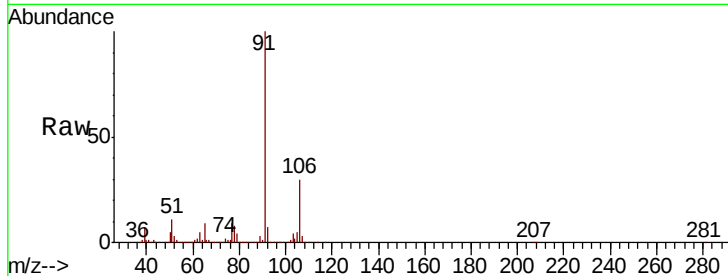
S81-0106

Tot Ion: 91 Resp: 831962

Ion Ratio Lower Upper

91 100

106 29.8 23.4 35.0



#68

m/p-Xylenes

Concen: 35.141 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058934.D

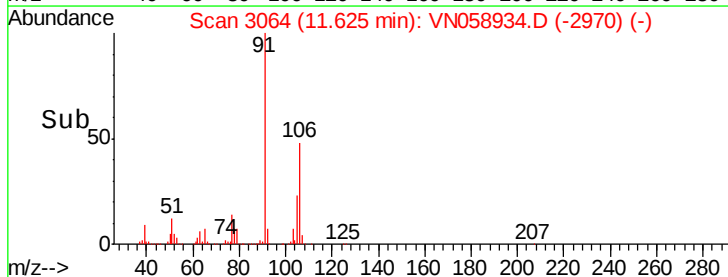
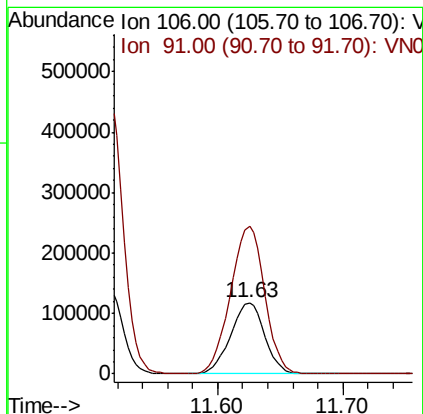
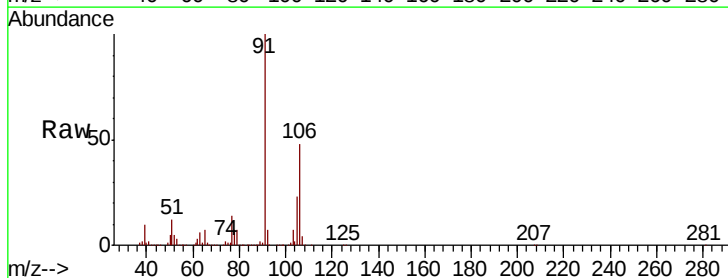
Acq: 23 Oct 2019 16:52

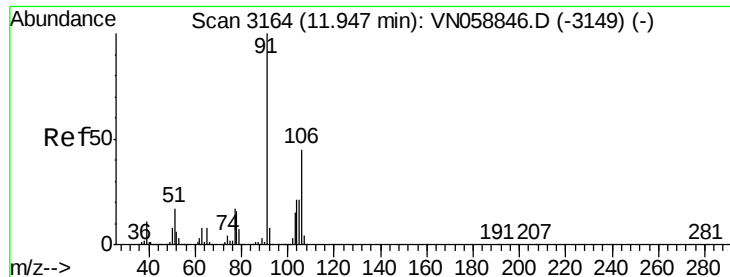
Tgt Ion: 106 Resp: 220803

Ion Ratio Lower Upper

106 100

91 209.4 166.6 249.8

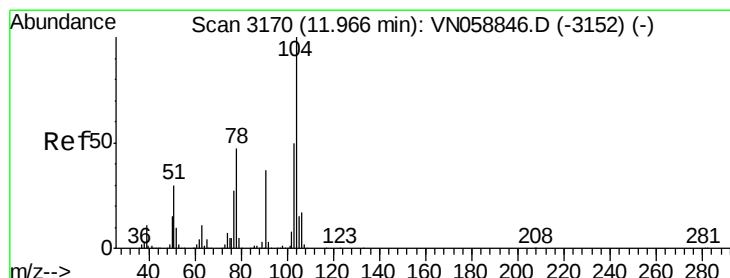
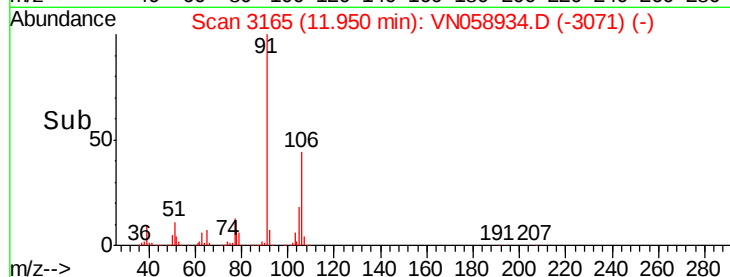
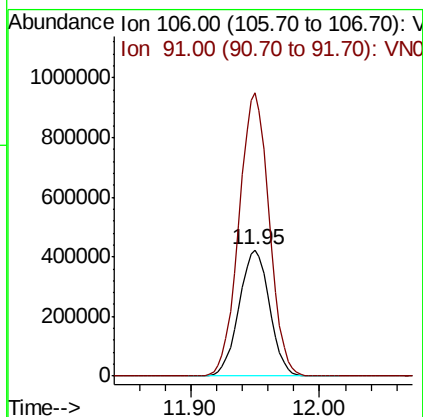
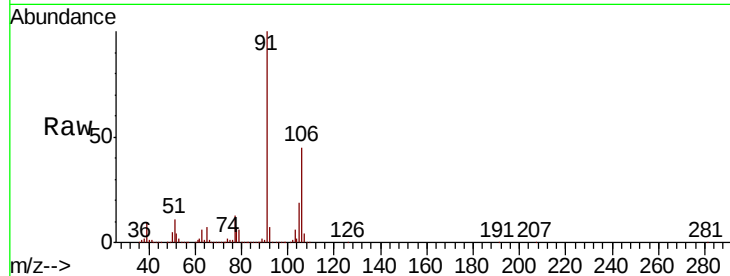




#69
o-Xylene
Concen: 116.378 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

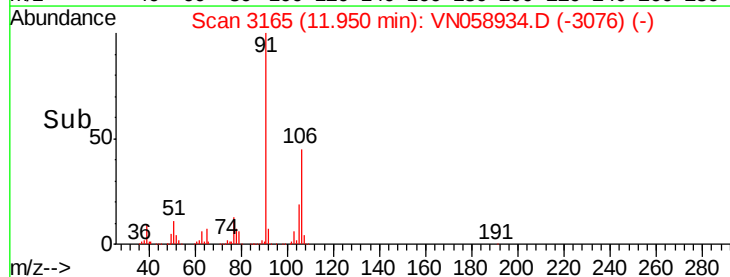
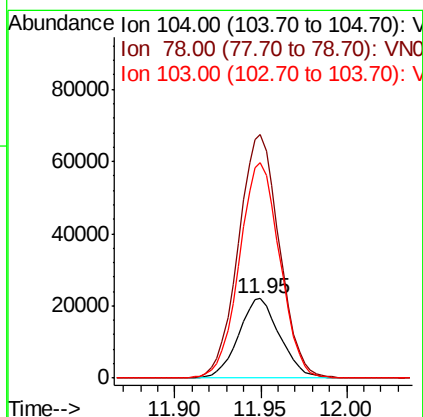
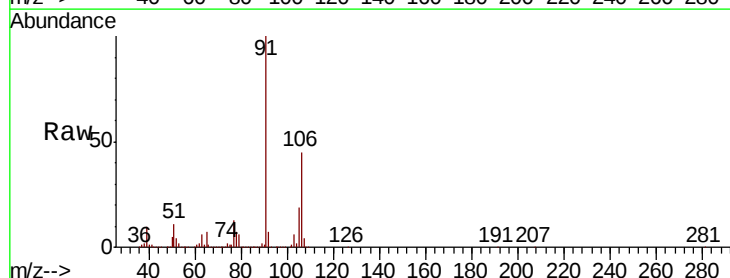
Instrument :
MSVOA_N
ClientSampleId :
S81-0106

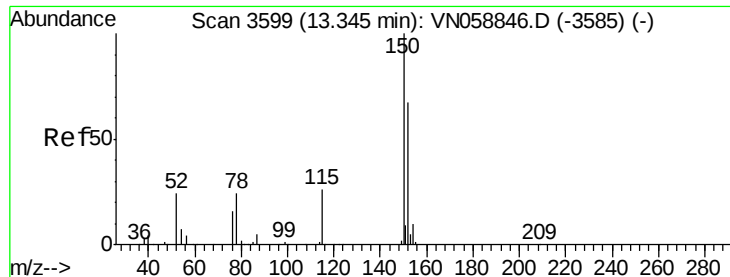
Tot Ion:106 Resp: 697403
Ion Ratio Lower Upper
106 100
91 222.1 111.5 334.4



#70
Styrene
Concen: 4.921 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

Tgt Ion:104 Resp: 36738
Ion Ratio Lower Upper
104 100
78 305.0 42.8 64.2#
103 266.0 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

S81-0106

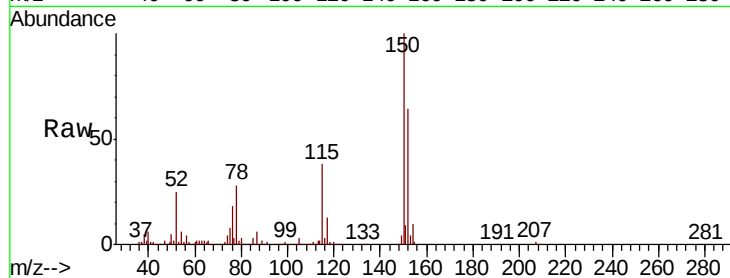
Tot Ion:152 Resp: 209599

Ion Ratio Lower Upper

152 100

115 71.4 30.5 91.5

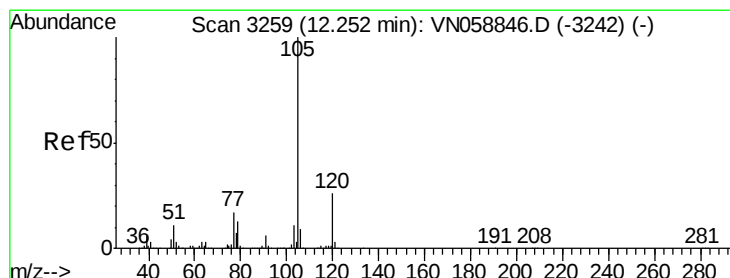
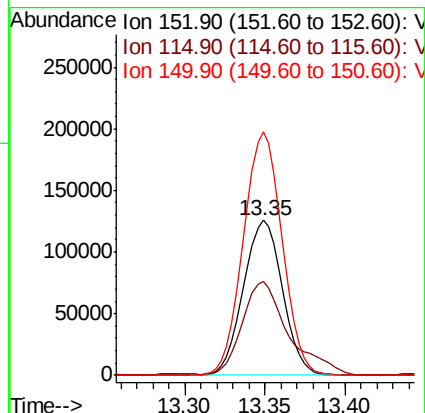
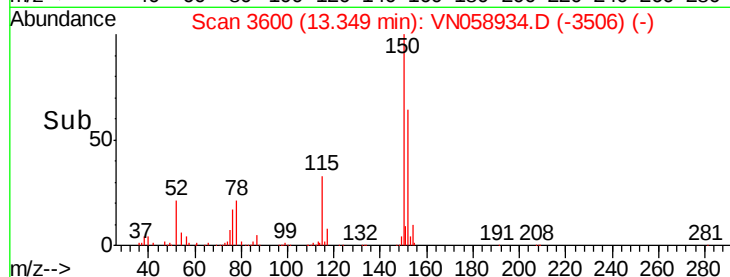
150 156.3 0.0 344.4



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: 4.488 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058934.D

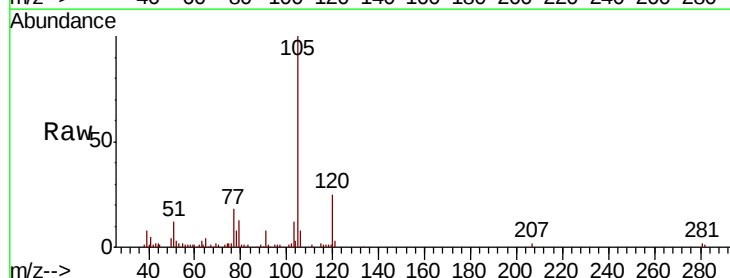
Acq: 23 Oct 2019 16:52

Tgt Ion:105 Resp: 68740

Ion Ratio Lower Upper

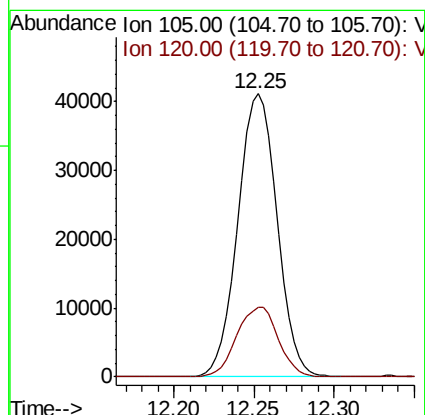
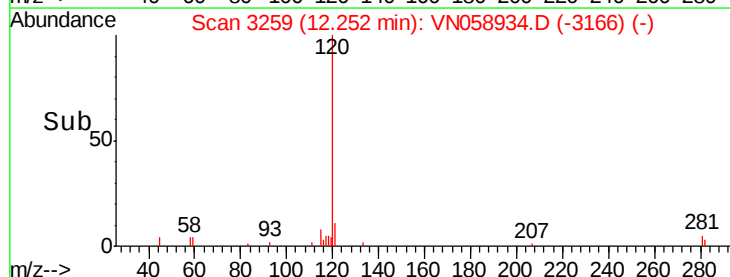
105 100

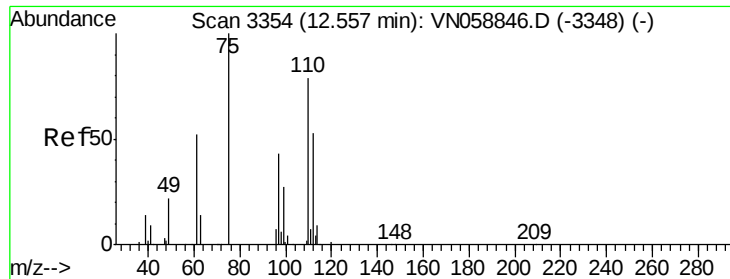
120 26.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

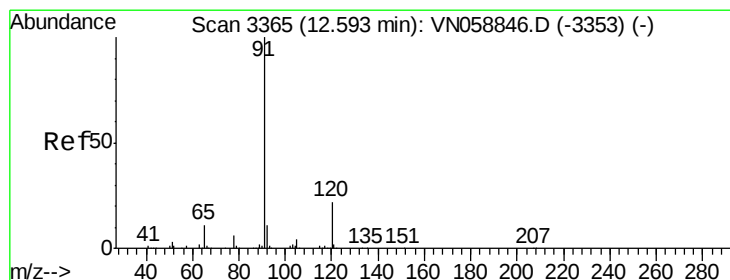
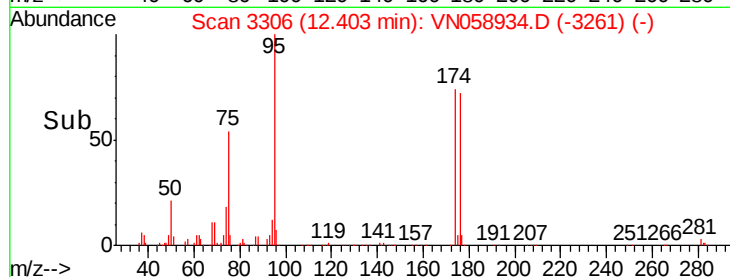
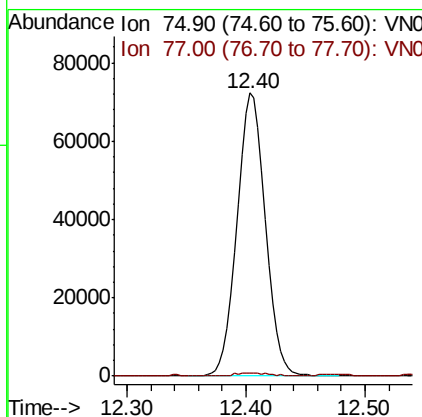
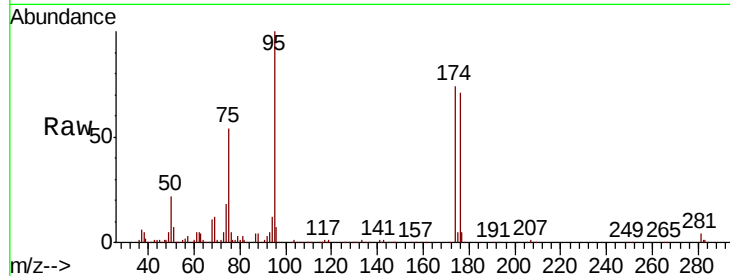




#76
 1,2,3-Trichloropropane
 Concen: 24.610 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN058934.D
 Acq: 23 Oct 2019 16:52

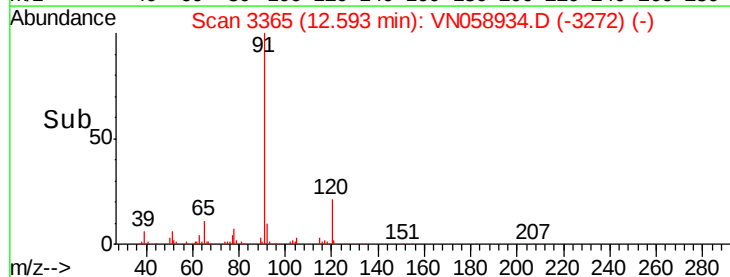
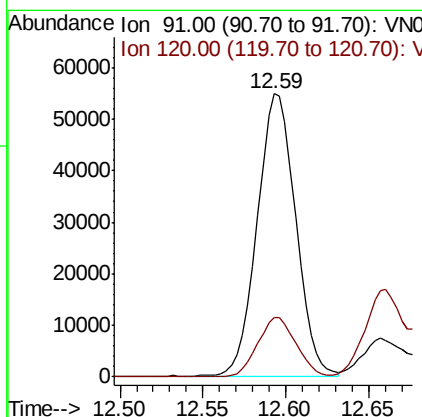
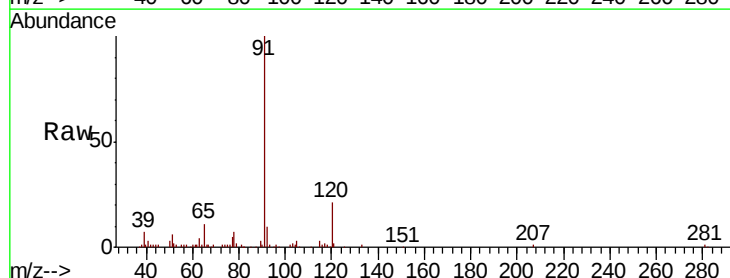
Instrument :
 MSVOA_N
 ClientSampleId :
 S81-0106

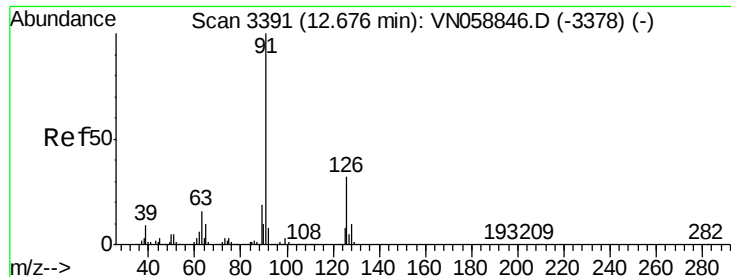
Tot Ion: 75 Resp: 119549
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#78
 n-propylbenzene
 Concen: 4.878 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN058934.D
 Acq: 23 Oct 2019 16:52

Tgt Ion: 91 Resp: 88331
 Ion Ratio Lower Upper
 91 100
 120 21.1 11.1 33.1

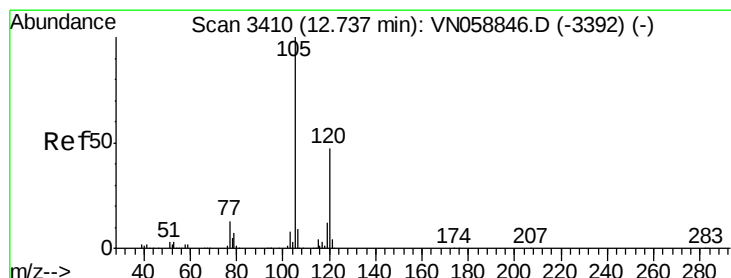
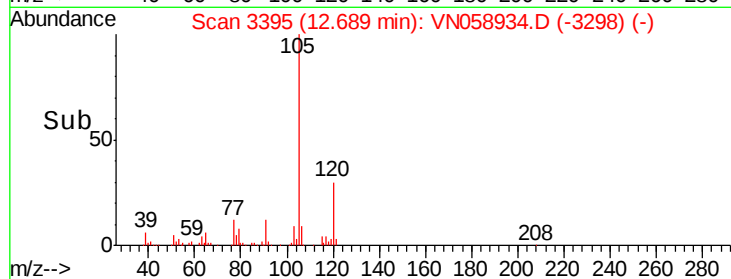
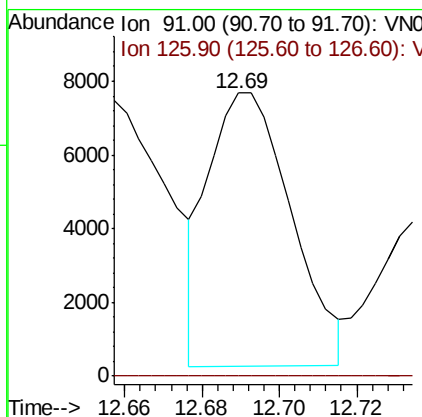
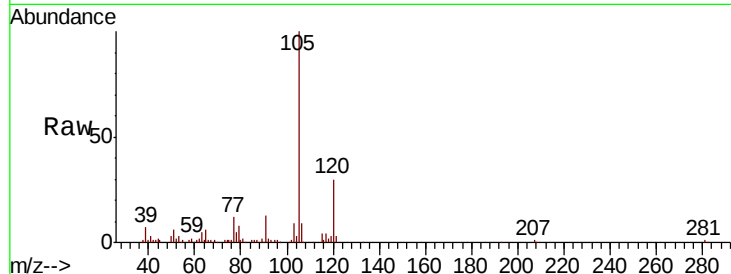




#79
2-Chlorotoluene
Concen: 0.995 ug/l
RT: 12.69 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

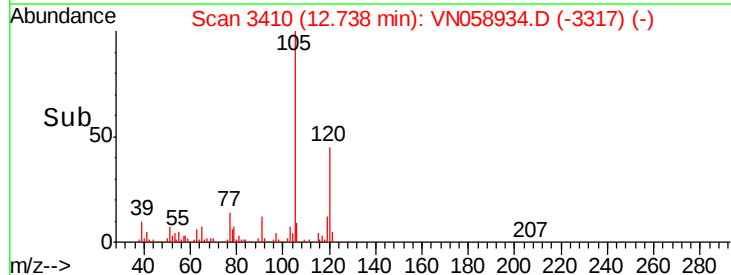
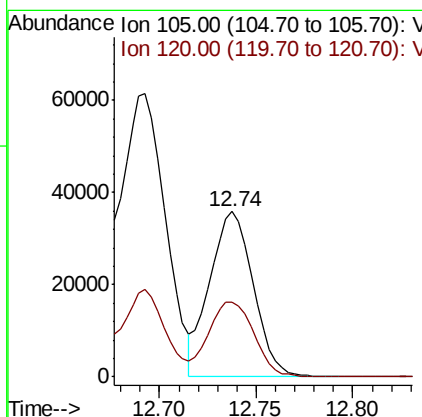
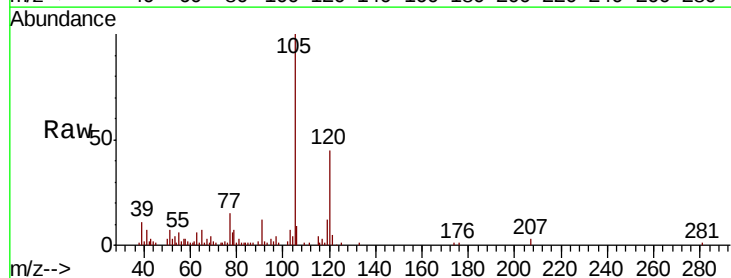
Instrument :
MSVOA_N
ClientSampleId :
S81-0106

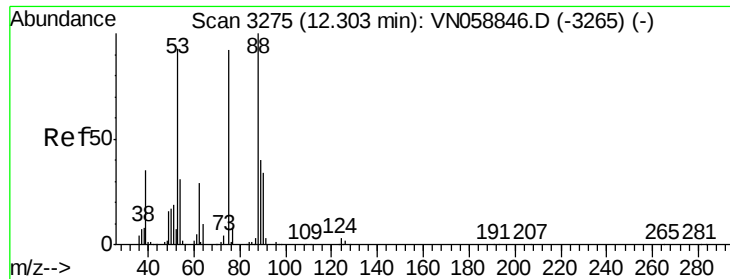
Tot Ion: 91 Resp: 11029
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#80
1,3,5-Trimethylbenzene
Concen: 4.382 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

Tgt Ion: 105 Resp: 56400
Ion Ratio Lower Upper
105 100
120 47.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 64.112 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

S81-0106

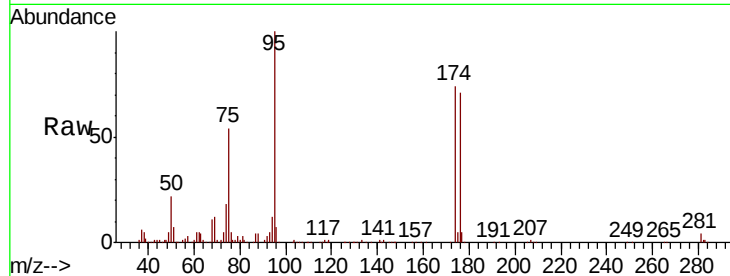
Tot Ion: 75 Resp: 119549

Ion Ratio Lower Upper

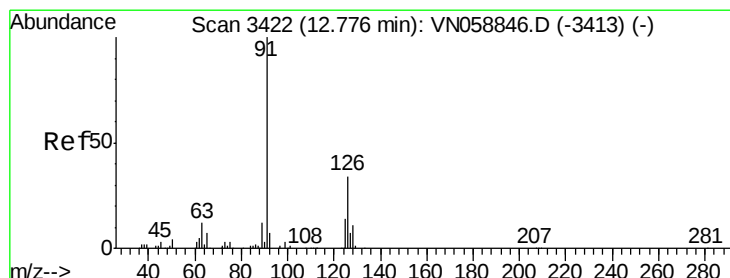
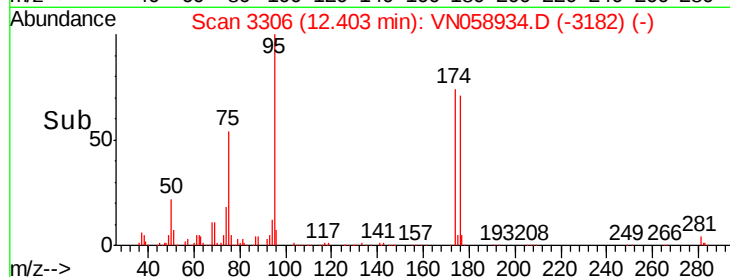
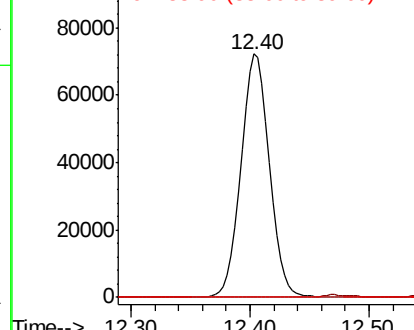
75 100

53 0.3 78.6 118.0#

89 0.1 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 0.506 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058934.D

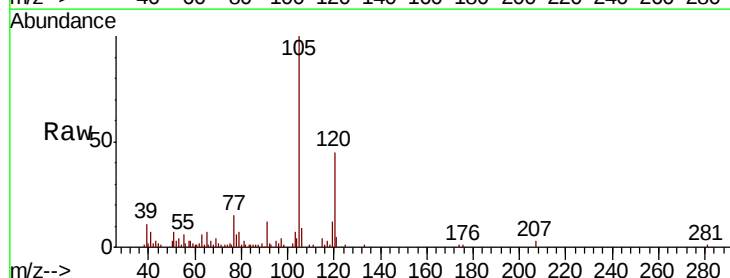
Acq: 23 Oct 2019 16:52

Tgt Ion: 91 Resp: 5731

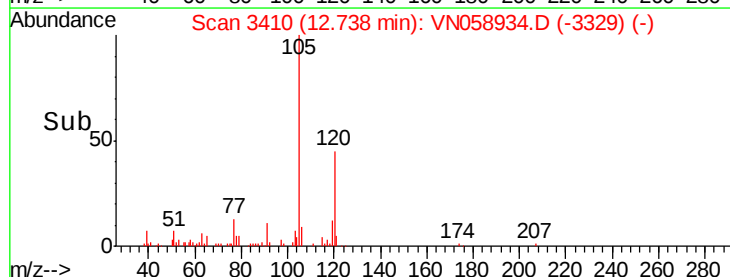
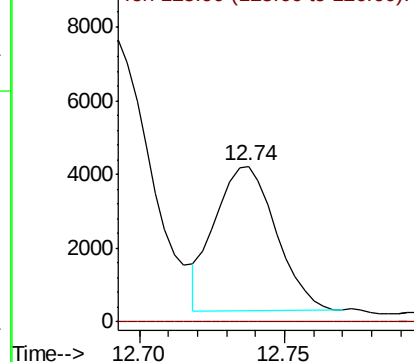
Ion Ratio Lower Upper

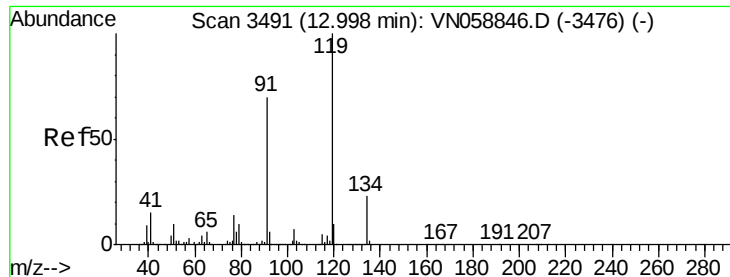
91 100

126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.364 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

S81-0106

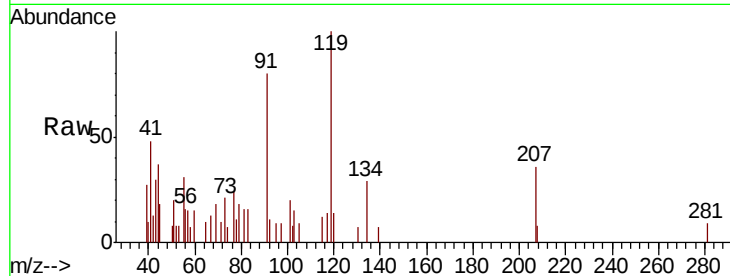
Tot Ion:119 Resp: 4003

Ion Ratio Lower Upper

119 100

91 62.5 34.1 102.3

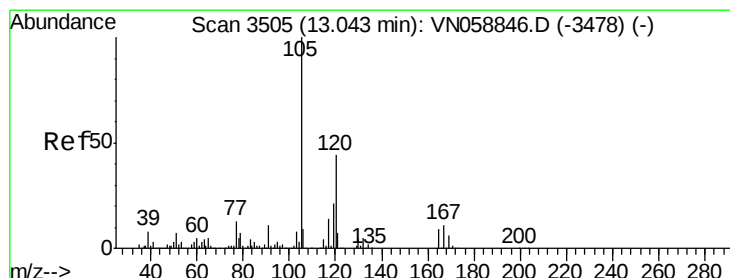
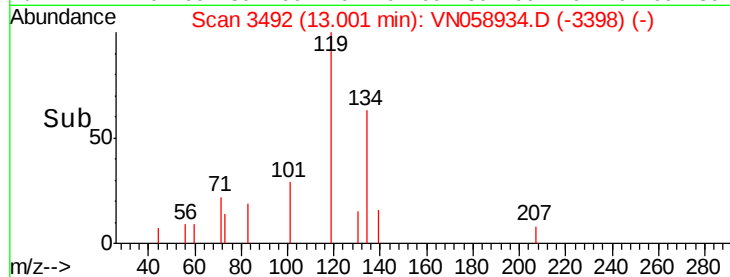
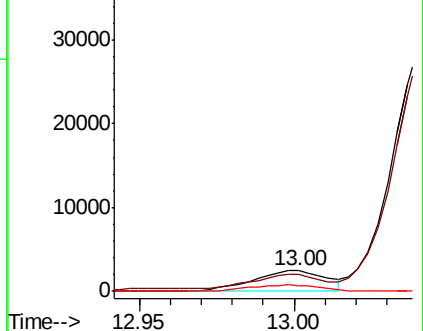
134 29.4 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 34.003 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058934.D

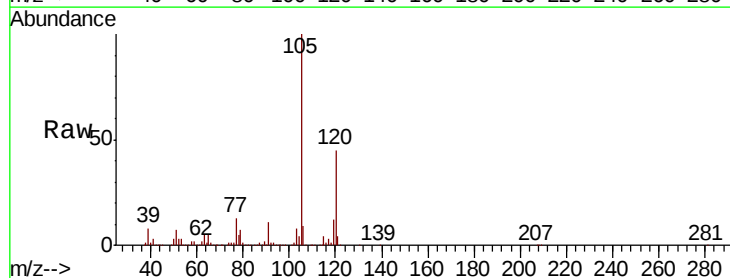
Acq: 23 Oct 2019 16:52

Tgt Ion:105 Resp: 431636

Ion Ratio Lower Upper

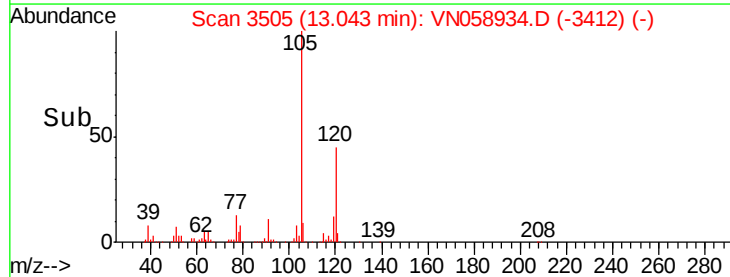
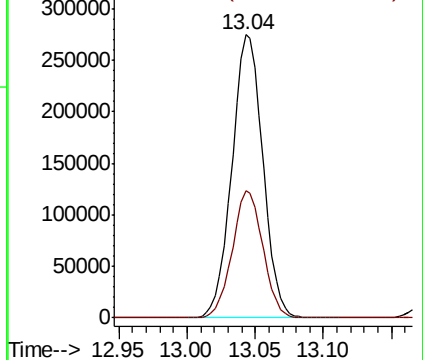
105 100

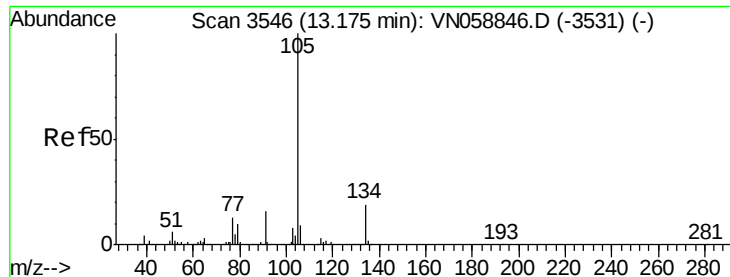
120 44.3 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.480 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

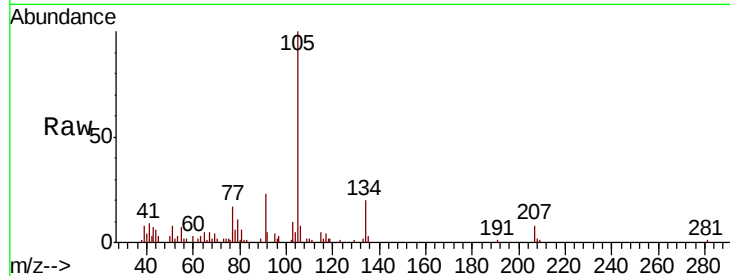
S81-0106

Tot Ion:105 Resp: 21710

Ion Ratio Lower Upper

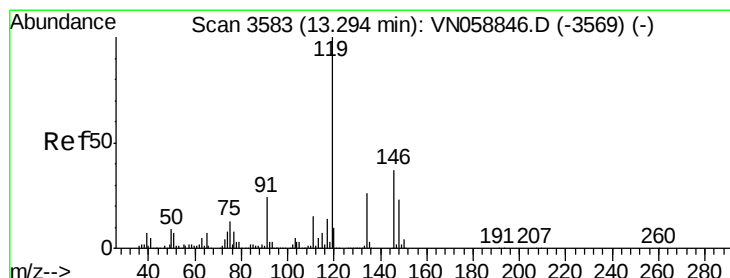
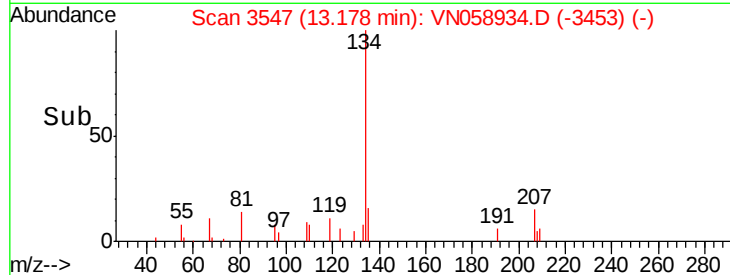
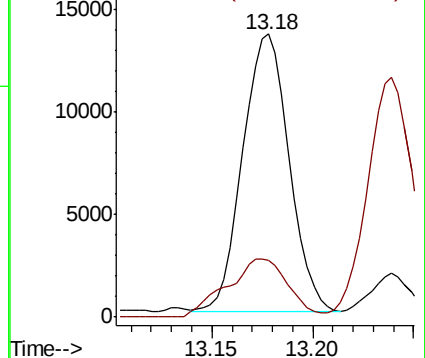
105 100

134 27.7 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.283 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

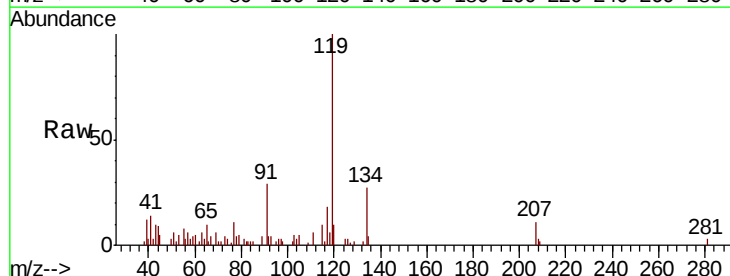
Tgt Ion:119 Resp: 16608

Ion Ratio Lower Upper

119 100

134 27.6 12.8 38.4

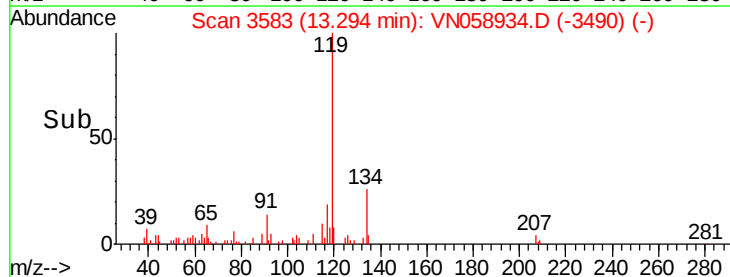
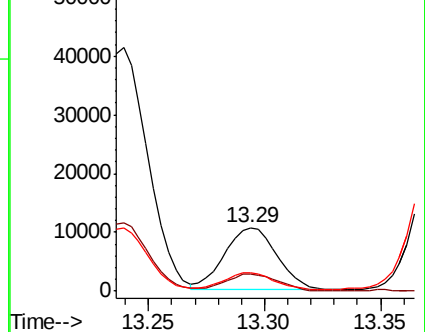
91 25.4 12.2 36.4

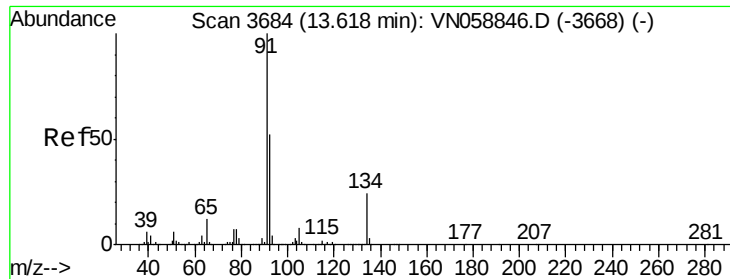


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

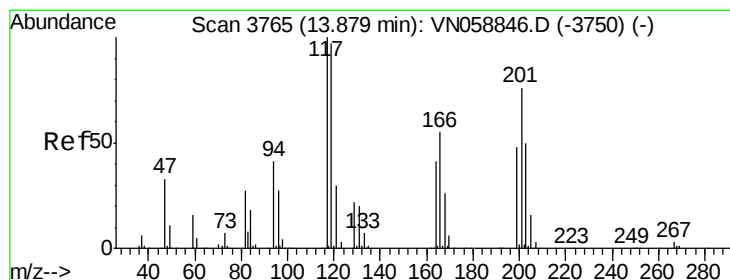
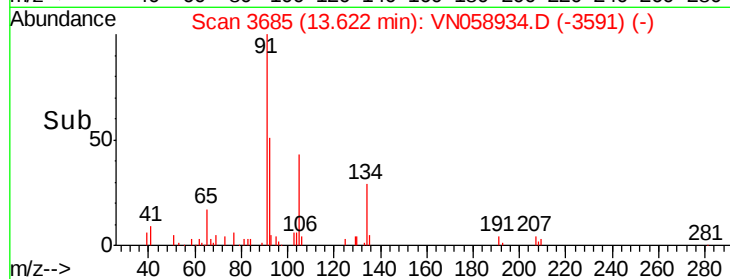
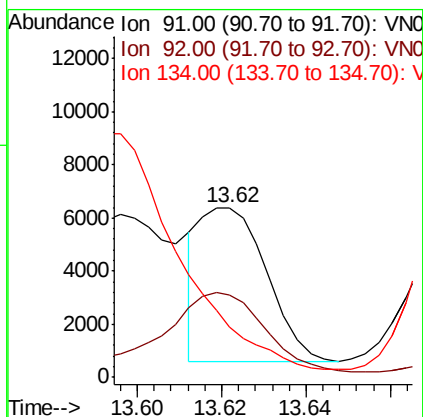
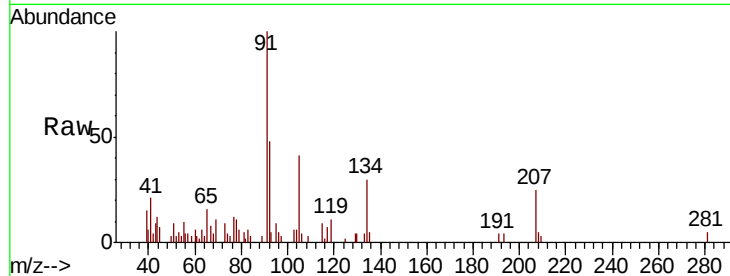




#89
n-Butylbenzene
Concen: 0.529 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

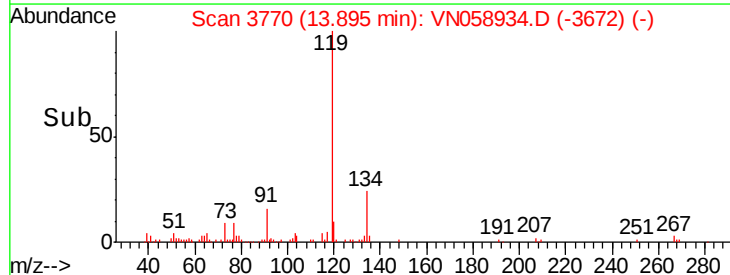
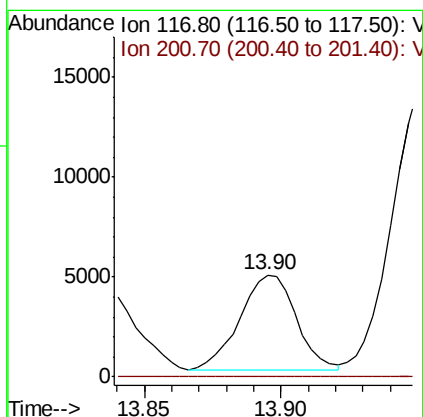
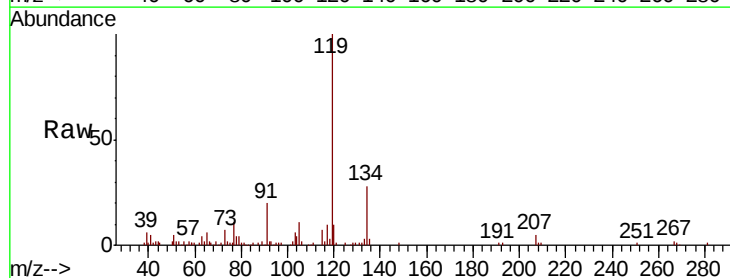
Instrument :
MSVOA_N
ClientSampleId :
S81-0106

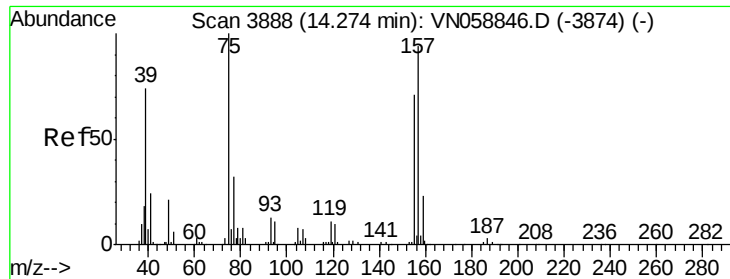
Tot Ion: 91 Resp: 6295
Ion Ratio Lower Upper
91 100
92 85.2 25.7 77.1#
134 0.0 11.9 35.5#



#90
Hexachloroethane
Concen: 2.563 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

Tgt Ion: 117 Resp: 6723
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.428 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

S81-0106

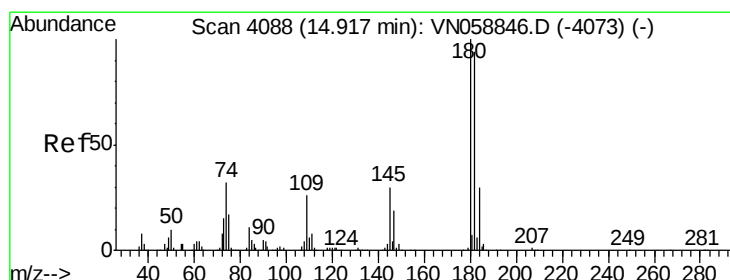
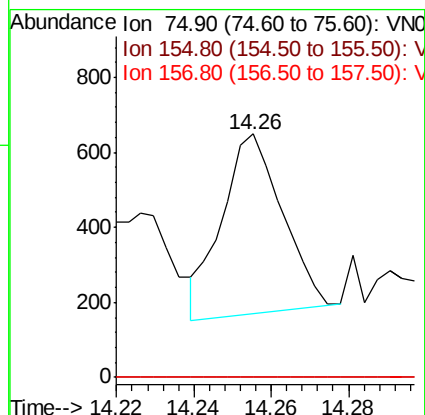
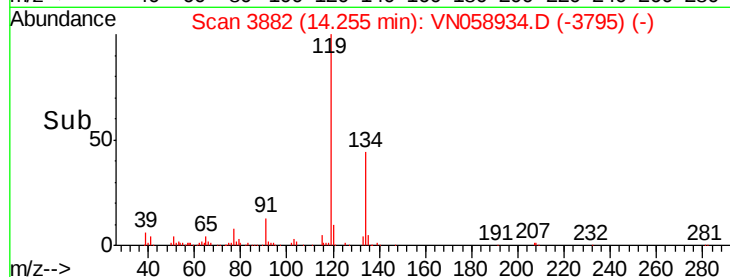
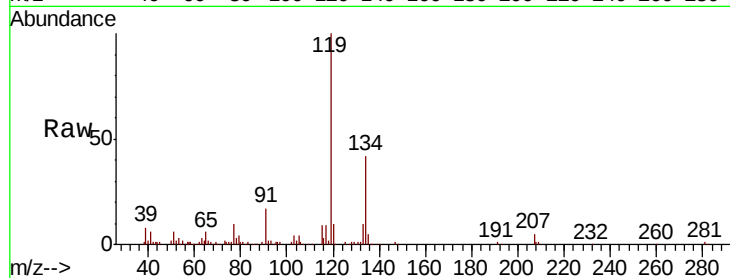
Tot Ion: 75 Resp: 522

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.8#

157 0.0 47.4 142.2#



#93

1,2,4-Trichlorobenzene

Concen: 2.556 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058934.D

Acq: 23 Oct 2019 16:52

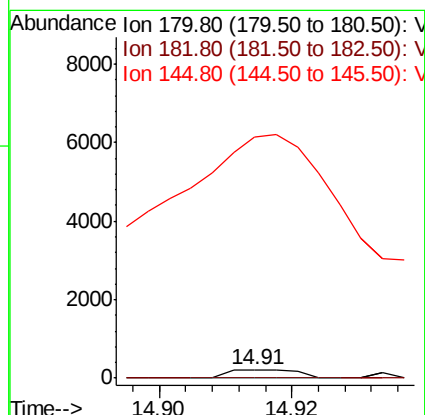
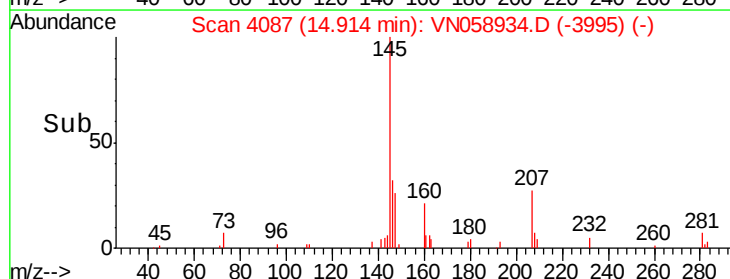
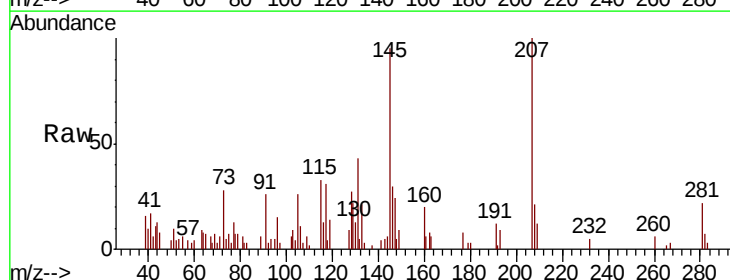
Tgt Ion: 180 Resp: 154

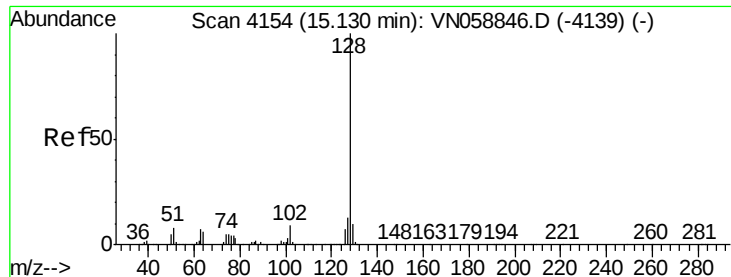
Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

145 8963.0 15.3 45.8#

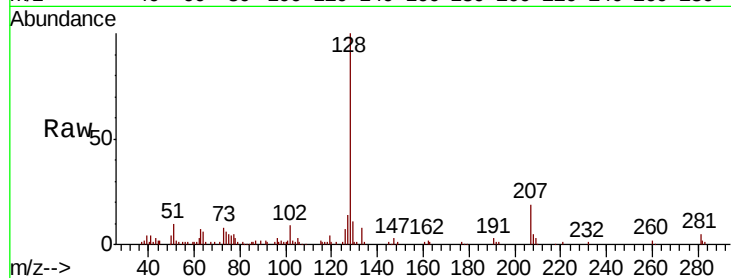




#95
Naphthalene
Concen: 7.382 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058934.D
Acq: 23 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
S81-0106

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	10.9	8.4	12.6



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

