

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058446.D
 Acq On : 30 Sep 2019 19:14
 Operator : JC/SP
 Sample : K5080-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Quant Time: Oct 01 01:35:05 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	418603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	710301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	643726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317370	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	316856	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	7.57	113	232702	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
50) Toluene-d8	10.09	98	895902	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.41	95	327571	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	238955	52.060	ug/l	97
3) Chloromethane	2.03	50	258024	51.133	ug/l	100
4) Vinyl Chloride	2.17	62	258610	52.316	ug/l	98
5) Bromomethane	2.54	94	136685	52.057	ug/l	99
6) Chloroethane	2.68	64	151431	51.127	ug/l	98
7) Trichlorofluoromethane	3.00	101	307258	51.507	ug/l	98
8) Diethyl Ether	3.39	74	132347	51.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	201989	49.858	ug/l	99
10) Methyl Iodide	3.93	142	222487	49.528	ug/l	100
11) Tert butyl alcohol	4.76	59	196363	288.951	ug/l	99
12) 1,1-Dichloroethene	3.72	96	198866	50.360	ug/l	99
13) Acrolein	3.59	56	66606	308.155	ug/l	96
14) Allyl chloride	4.30	41	372501	51.835	ug/l	98
15) Acrylonitrile	4.96	53	537951	271.614	ug/l	100
16) Acetone	3.79	43	463681	222.357	ug/l	100
17) Carbon Disulfide	4.03	76	549640	52.803	ug/l	99
18) Methyl Acetate	4.30	43	253660	48.364	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	709241	50.903	ug/l	100
20) Methylene Chloride	4.53	84	236509	49.147	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	223439	50.883	ug/l	98
22) Diisopropyl ether	5.93	45	794475	51.374	ug/l	96
23) Vinyl Acetate	5.87	43	3205259	274.884	ug/l	99
24) 1,1-Dichloroethane	5.82	63	450282	51.737	ug/l	100
25) 2-Butanone	6.82	43	737547	257.609	ug/l	98
26) 2,2-Dichloropropane	6.80	77	336960	47.094	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	262109	51.070	ug/l	98
28) Bromochloromethane	7.18	49	185901	53.436	ug/l	98
29) Tetrahydrofuran	7.19	42	484552	266.655	ug/l	100
30) Chloroform	7.36	83	482851	54.749	ug/l	99
31) Cyclohexane	7.64	56	416565	49.205	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	383534	52.957	ug/l	100
36) 1,1-Dichloropropene	7.78	75	345038	50.802	ug/l	99
37) Ethyl Acetate	6.91	43	307006	53.315	ug/l	99
38) Carbon Tetrachloride	7.76	117	327884	53.483	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	405816	51.165	ug/l	98
40) Benzene	8.03	78	1009575	51.712	ug/l	99
41) Methacrylonitrile	7.19	41	461663	174.270	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	379978	50.027	ug/l	100
43) Isopropyl Acetate	8.15	43	526268	48.601	ug/l	99
44) Trichloroethene	8.82	130	244059	50.628	ug/l	98
45) 1,2-Dichloropropane	9.11	63	275401	52.598	ug/l	97
46) Dibromomethane	9.20	93	170177	51.322	ug/l	99
47) Bromodichloromethane	9.39	83	345682	55.023	ug/l	99
48) Methyl methacrylate	9.19	41	263298	53.400	ug/l	99
49) 1,4-Dioxane	9.19	88	88790	1346.743	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1586398	285.212	ug/l	99
52) Toluene	10.15	92	621776	50.599	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	371775	54.369	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	407873	53.735	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	235987	52.742	ug/l	98
56) Ethyl methacrylate	10.43	69	370368	54.550	ug/l	100
57) 1,3-Dichloropropane	10.71	76	424460	53.184	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	615	0.227	ug/l #	50
59) 2-Hexanone	10.75	43	1155307	285.254	ug/l	100
60) Dibromochloromethane	10.90	129	246504	53.237	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245609	53.721	ug/l	100
64) Tetrachloroethene	10.63	164	197820	48.369	ug/l	98
65) Chlorobenzene	11.44	112	658500	51.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	230346	53.430	ug/l	99
67) Ethyl Benzene	11.51	91	1221767	52.715	ug/l	99
68) m/p-Xylenes	11.62	106	894580	102.588	ug/l	97
69) o-Xylene	11.95	106	434556	51.768	ug/l	98
70) Styrene	11.97	104	739879	54.255	ug/l	100
71) Bromoform	12.13	173	157012	52.663	ug/l #	99
73) Isopropylbenzene	12.25	105	1193448	50.884	ug/l	100
74) N-amyl acetate	12.07	43	475751	50.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	348421	50.237	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	437819	75.528	ug/l #	100
77) Bromobenzene	12.53	156	270981	49.273	ug/l	98
78) n-propylbenzene	12.60	91	1402320	53.070	ug/l	100
79) 2-Chlorotoluene	12.68	91	822061	50.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1018695	51.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	98033	51.363	ug/l	99
82) 4-Chlorotoluene	12.78	91	839250	50.428	ug/l	100
83) tert-Butylbenzene	13.00	119	850727	51.350	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1024111	52.062	ug/l	99
85) sec-Butylbenzene	13.18	105	1163277	53.347	ug/l	100
86) p-Isopropyltoluene	13.30	119	1039731	54.168	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	497588	49.898	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	497711	50.165	ug/l	99
89) n-Butylbenzene	13.62	91	923687	53.125	ug/l	99
90) Hexachloroethane	13.88	117	166278	57.657	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	492809	51.433	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	68680	56.155	ug/l	96

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Quant Title : SW846 8260
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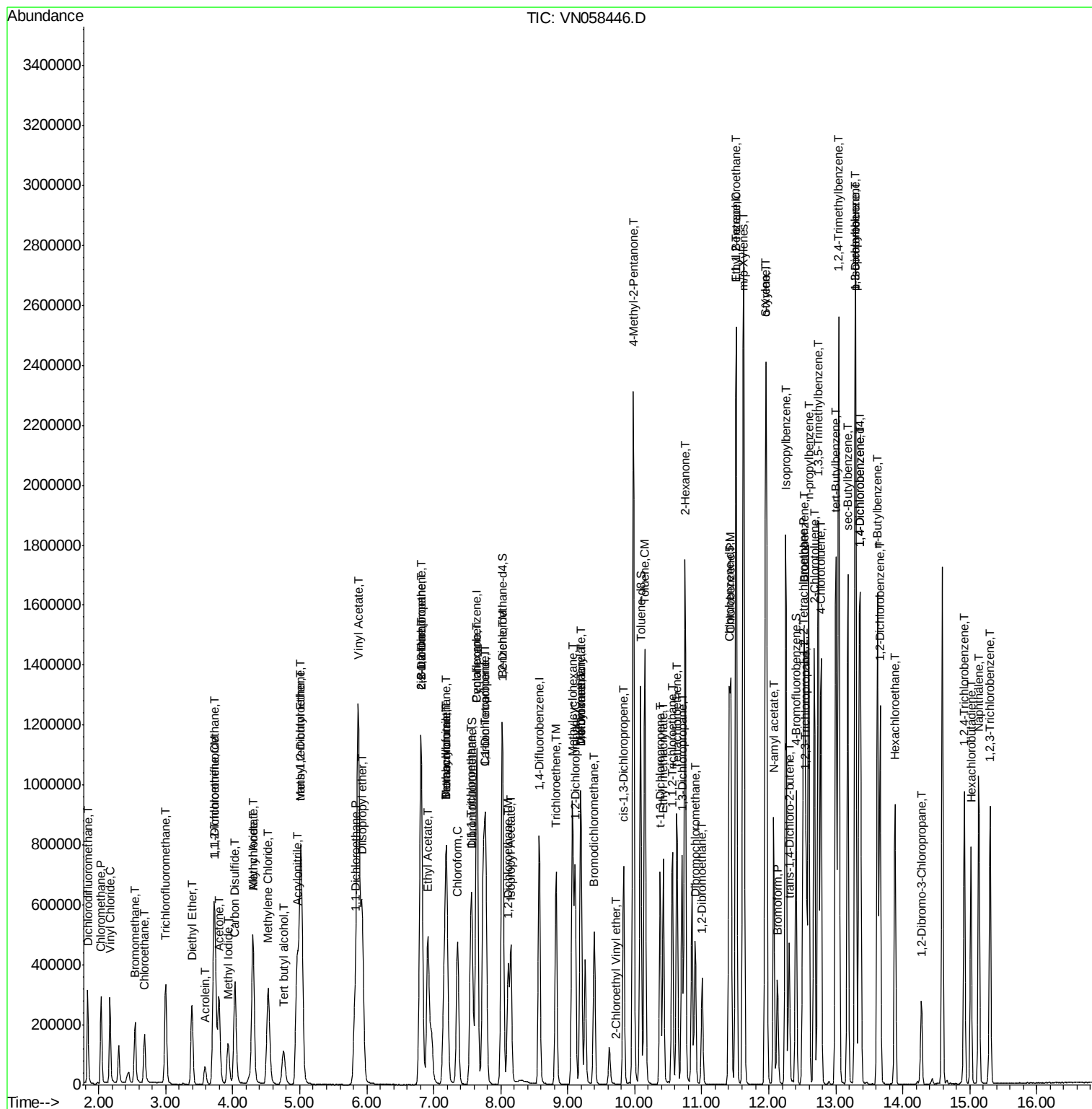
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	289189	54.618	ug/l	98
94) Hexachlorobutadiene	15.02	225	136701	50.232	ug/l	99
95) Naphthalene	15.13	128	812557	52.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	279692	52.691	ug/l	99

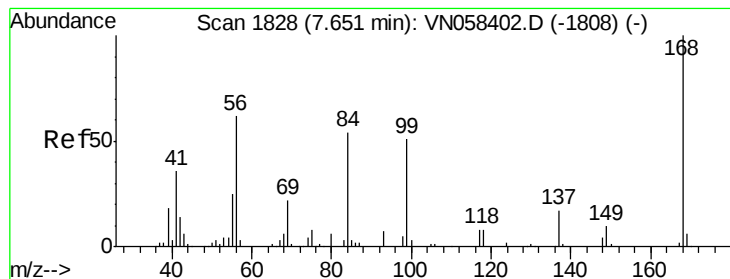
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

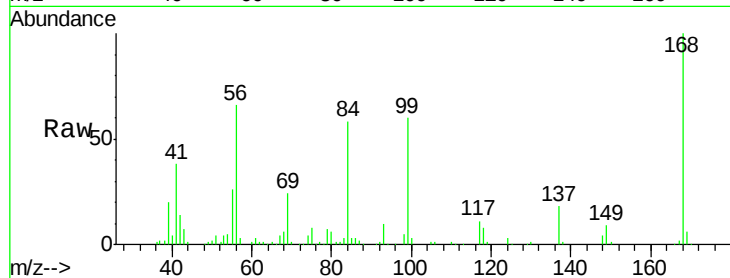
SA-MW184S-20190924MSD

Tot Ion:168 Resp: 418603

Ion Ratio Lower Upper

168 100

99 59.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

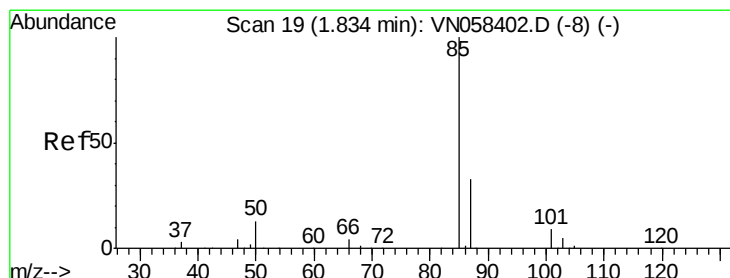
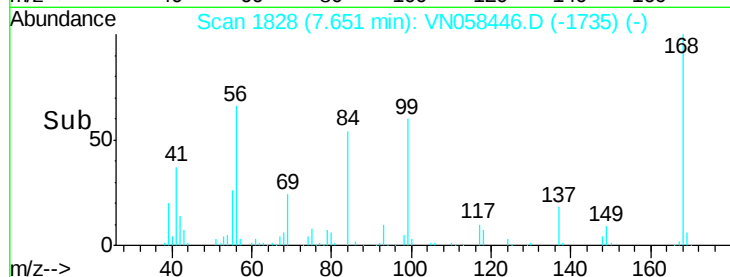
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.060 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058446.D

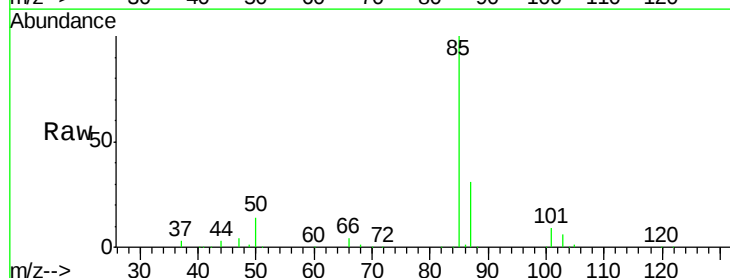
Acq: 30 Sep 2019 19:14

Tgt Ion: 85 Resp: 238955

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

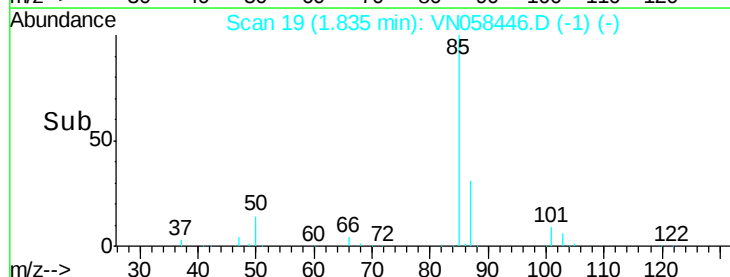
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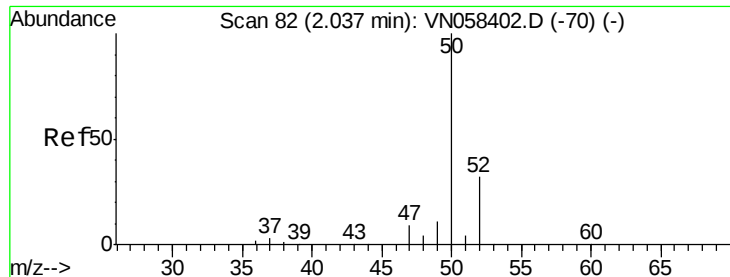
100000

50000

0

Time-->





#3

Chloromethane

Concen: 51.133 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

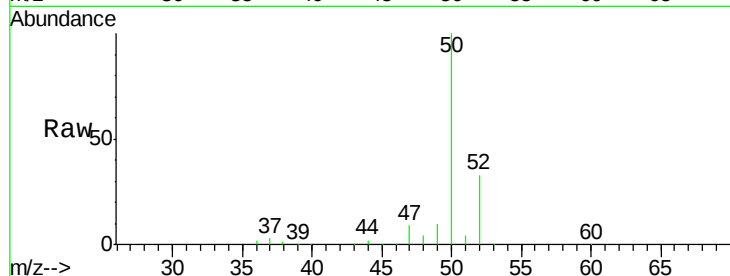
SA-MW184S-20190924MSD

Tot Ion: 50 Resp: 258024

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

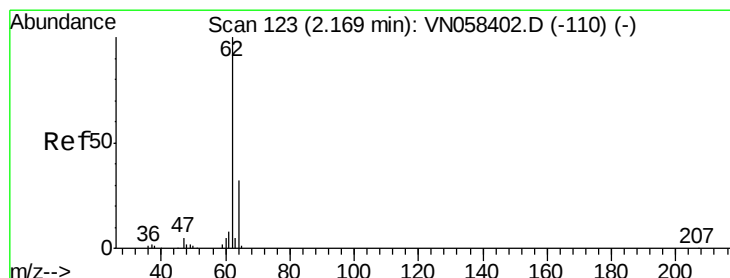
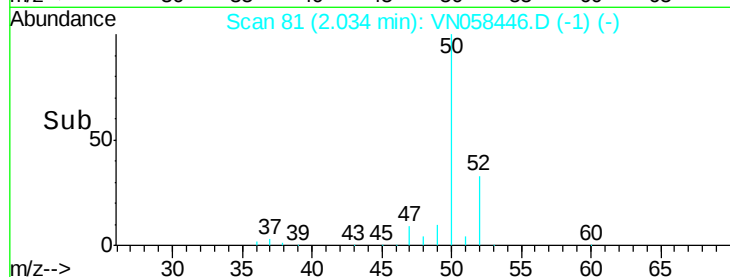
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 52.316 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058446.D

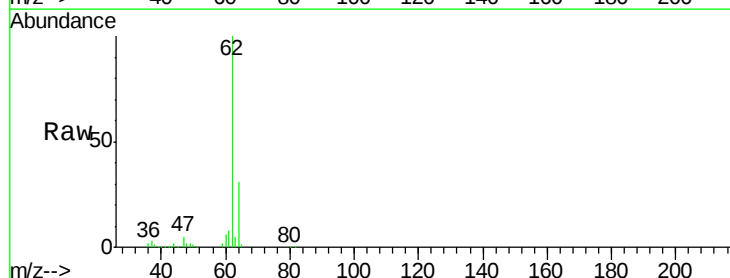
Acq: 30 Sep 2019 19:14

Tgt Ion: 62 Resp: 258610

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

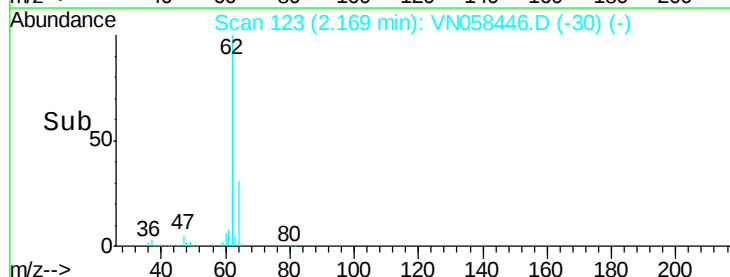
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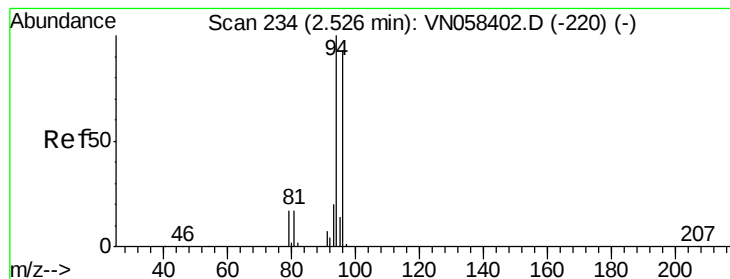
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 52.057 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

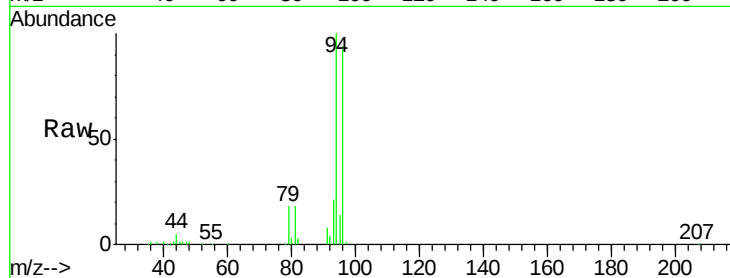
SA-MW184S-20190924MSD

Tot Ion: 94 Resp: 136685

Ion Ratio Lower Upper

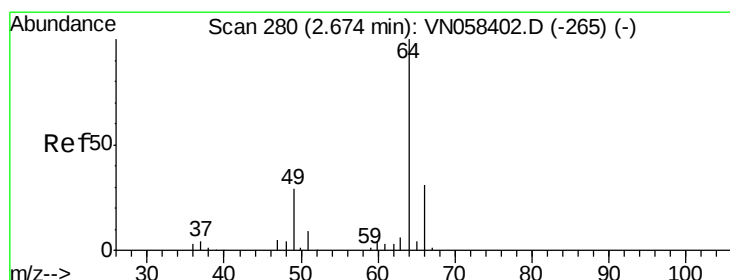
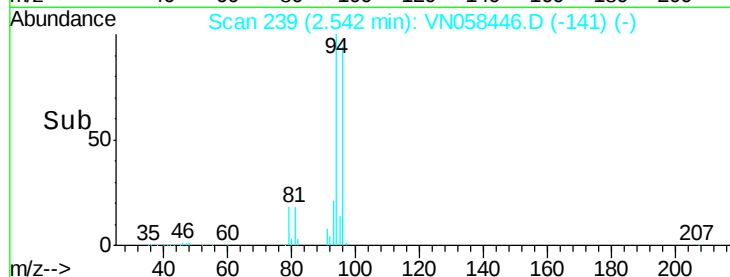
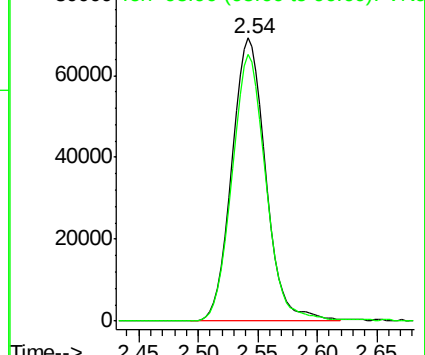
94 100

96 94.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.127 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058446.D

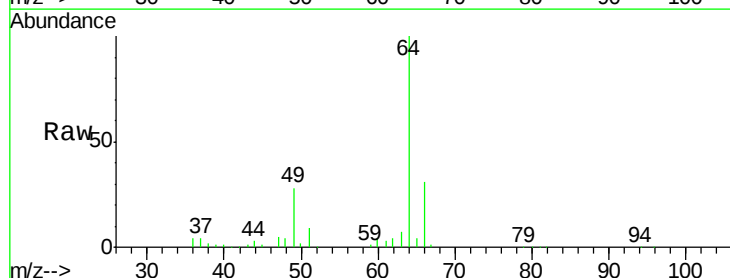
Acq: 30 Sep 2019 19:14

Tgt Ion: 64 Resp: 151431

Ion Ratio Lower Upper

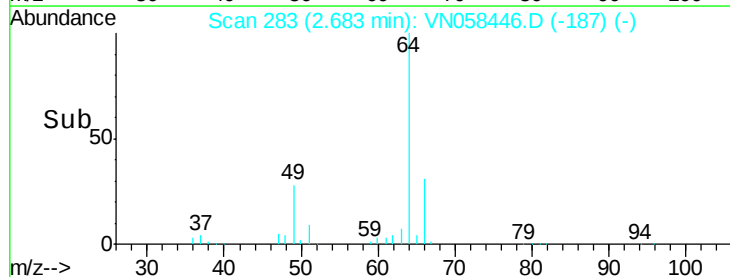
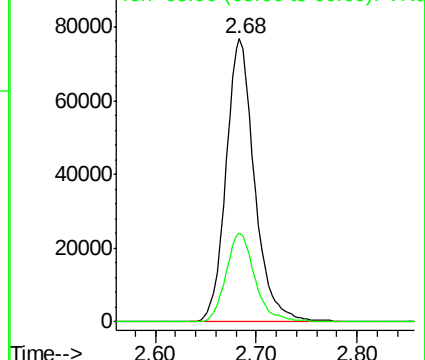
64 100

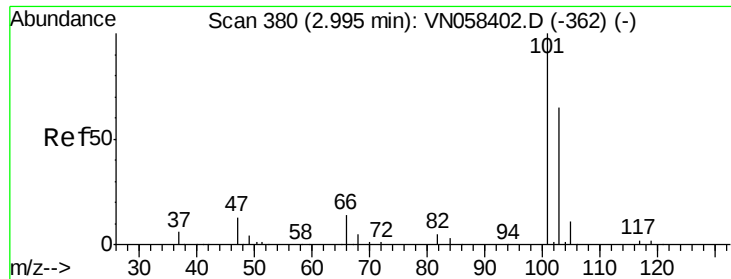
66 31.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



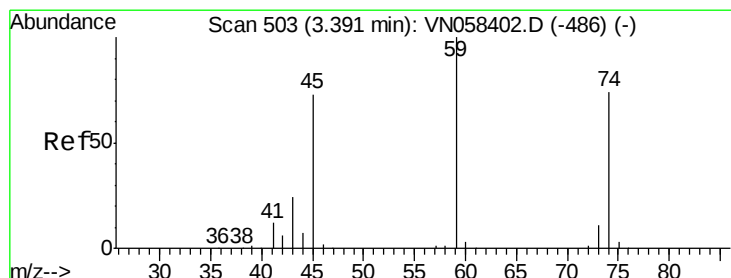
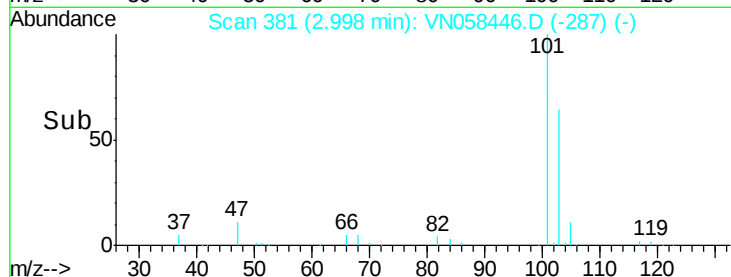
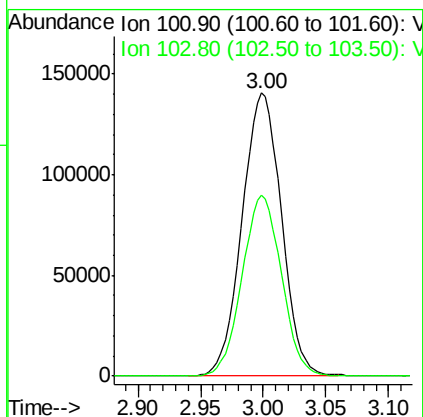
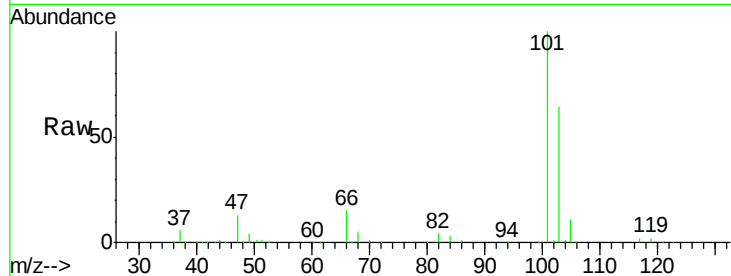


#7

Trichlorofluoromethane
 Concen: 51.507 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

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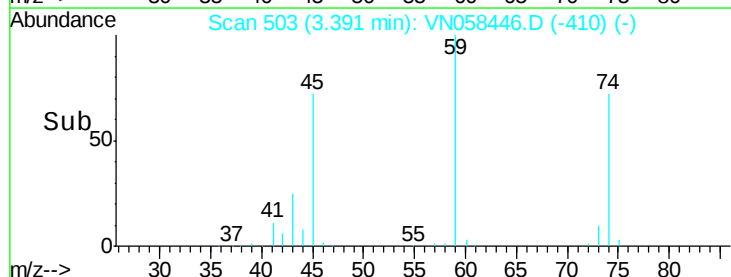
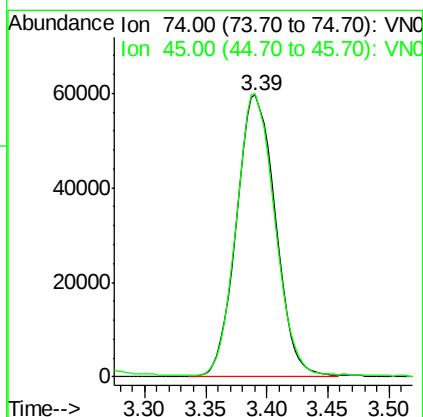
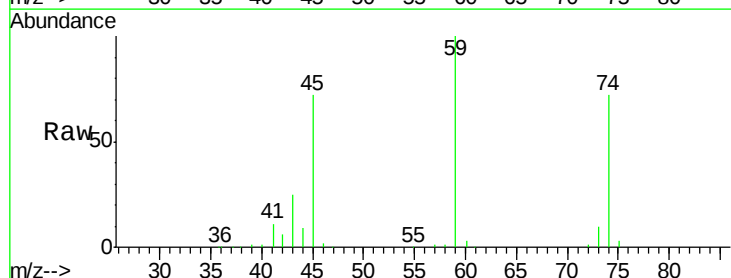
Tot Ion:101 Resp: 307258
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.3 78.5

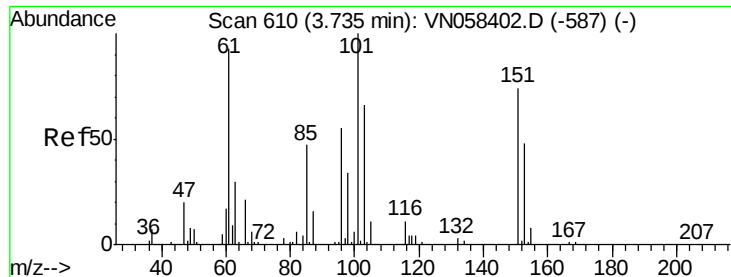


#8

Diethyl Ether
 Concen: 51.420 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 74 Resp: 132347
 Ion Ratio Lower Upper
 74 100
 45 97.9 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.858 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

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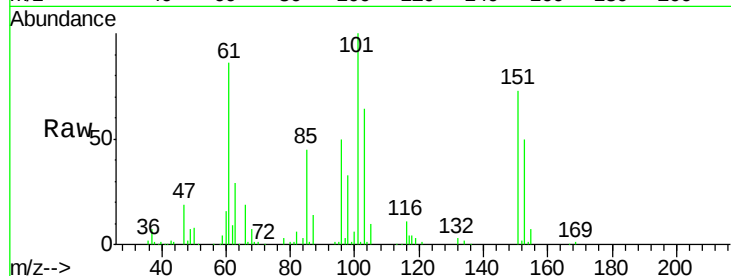
Tot Ion:101 Resp: 201989

Ion Ratio Lower Upper

101 100

85 46.3 36.7 55.1

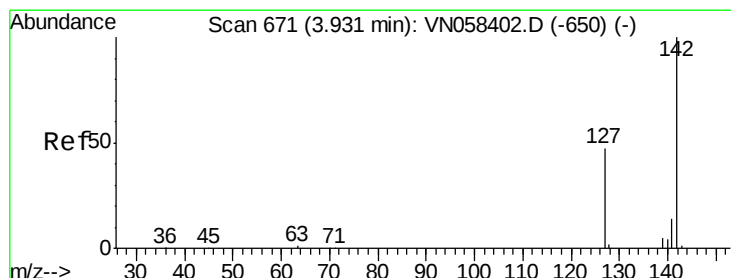
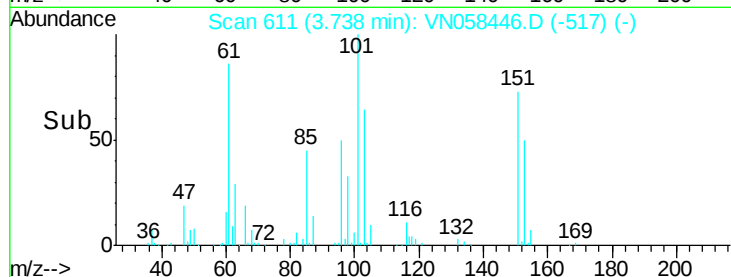
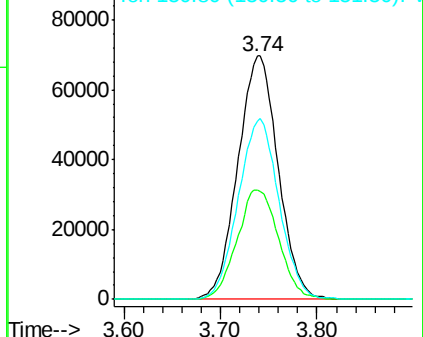
151 74.7 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.528 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

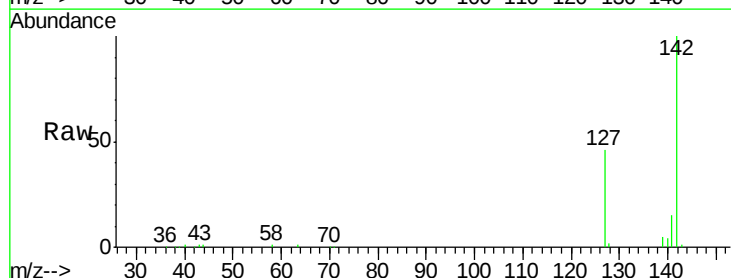
Tgt Ion:142 Resp: 222487

Ion Ratio Lower Upper

142 100

127 46.2 37.2 55.8

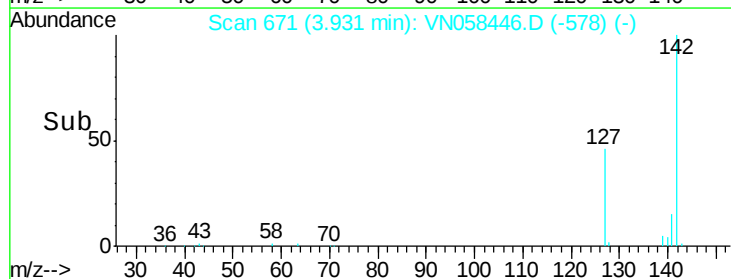
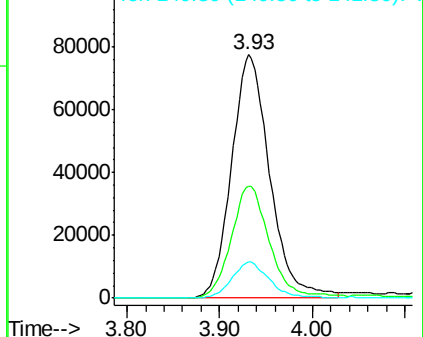
141 14.3 11.3 16.9

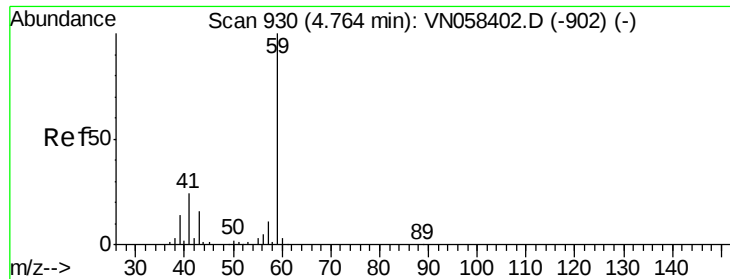


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



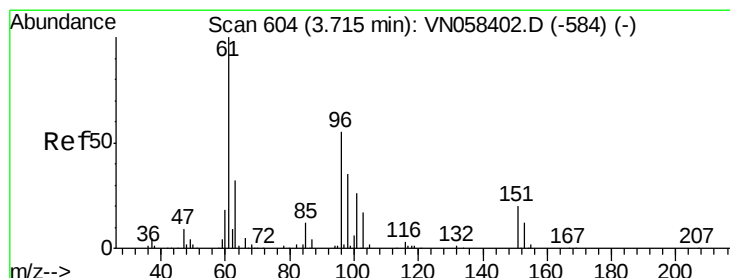
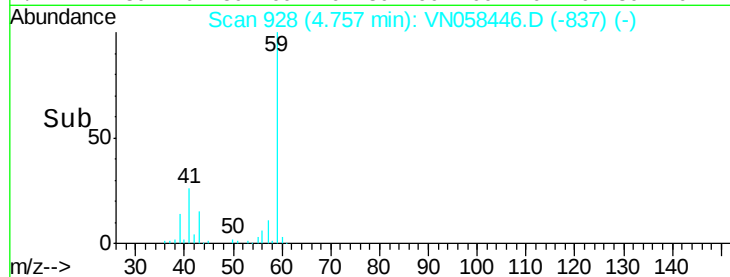
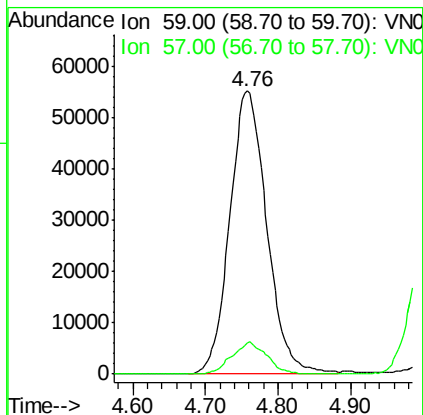
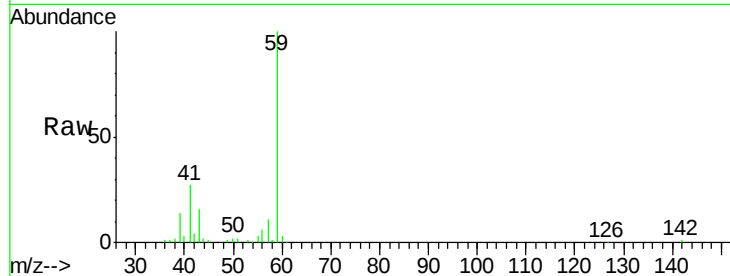


#11

Tert butyl alcohol
 Concen: 288.951 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

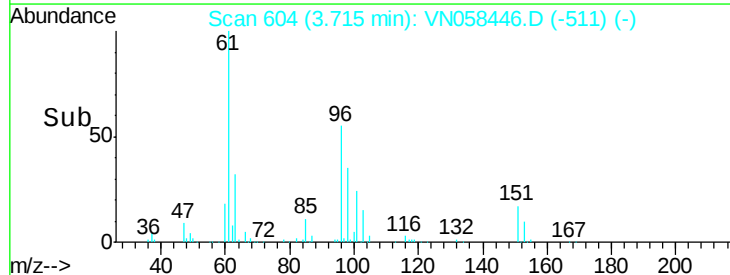
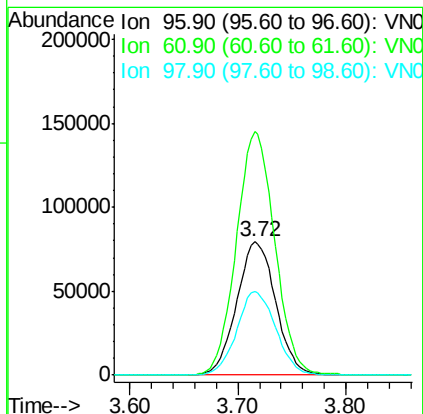
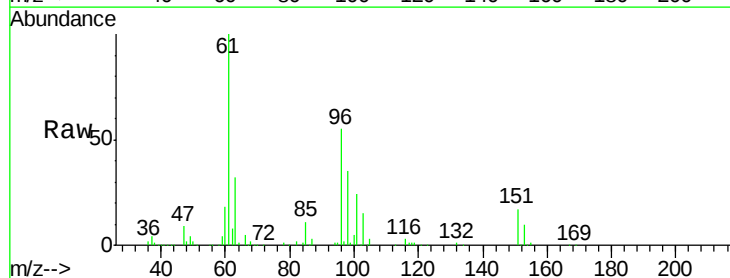
Tot Ion: 59 Resp: 196363
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.4

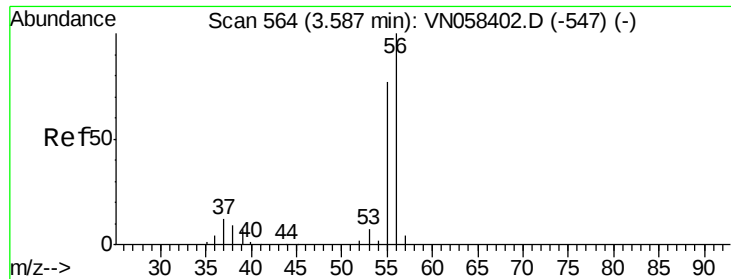


#12

1,1-Dichloroethene
 Concen: 50.360 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 96 Resp: 198866
 Ion Ratio Lower Upper
 96 100
 61 182.5 146.7 220.1
 98 63.1 51.3 76.9

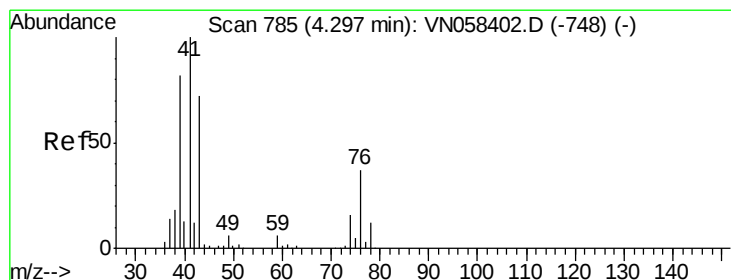
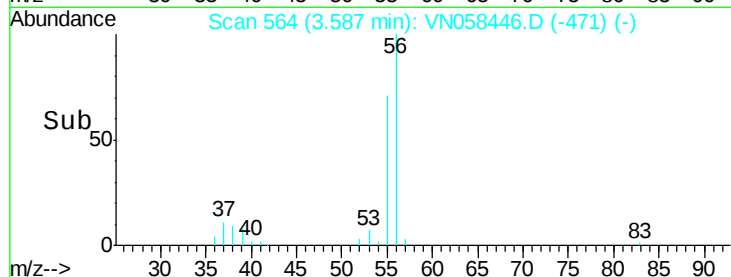
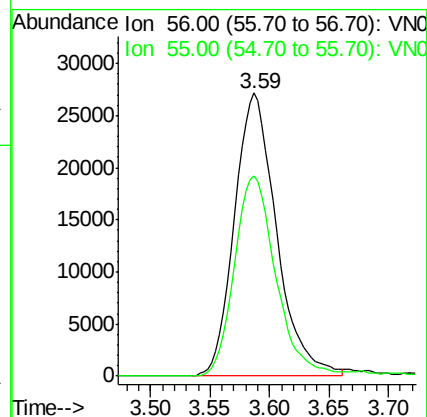
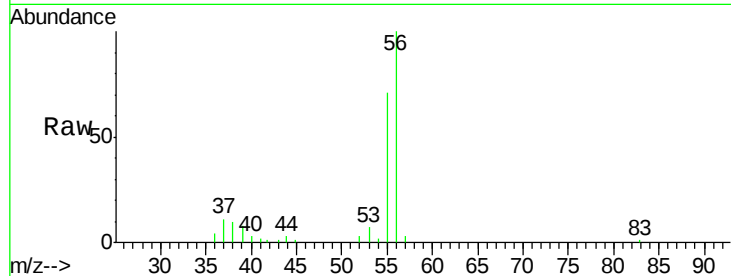




#13
Acrolein
Concen: 308.155 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

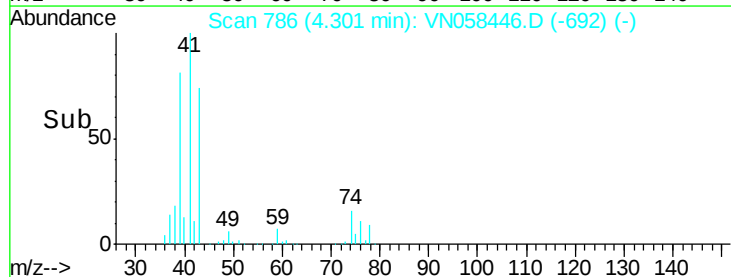
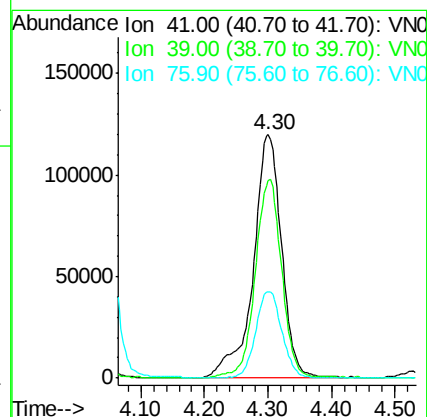
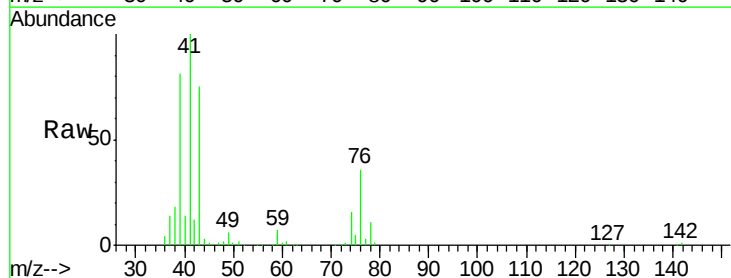
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

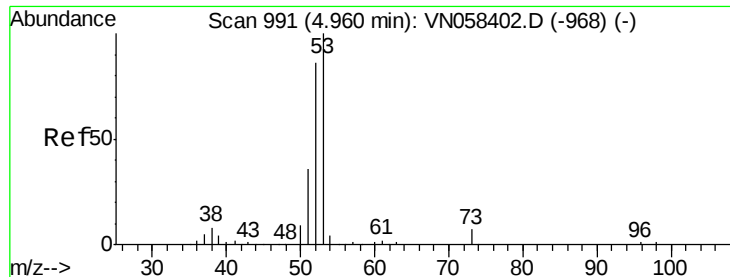
Tot Ion: 56 Resp: 66606
Ion Ratio Lower Upper
56 100
55 69.2 58.3 87.5



#14
Allyl chloride
Concen: 51.835 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 41 Resp: 372501
Ion Ratio Lower Upper
41 100
39 75.8 62.3 93.5
76 32.7 26.9 40.3





#15

Acrylonitrile

Concen: 271.614 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

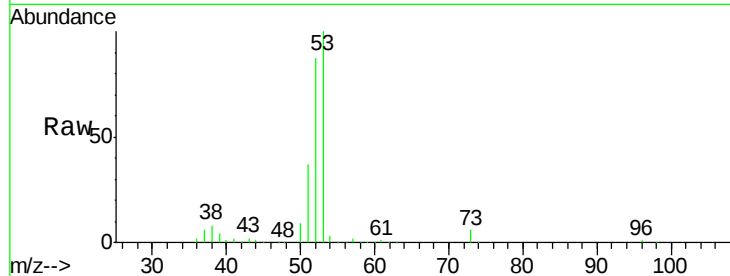
Tot Ion: 53 Resp: 537951

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

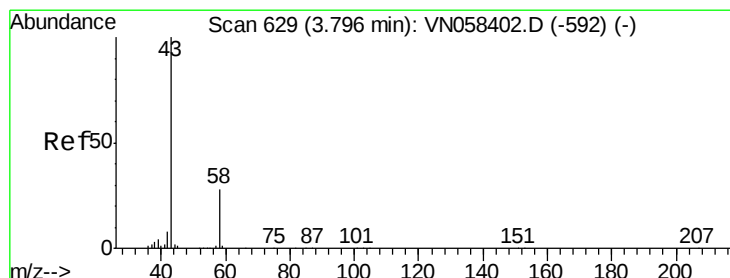
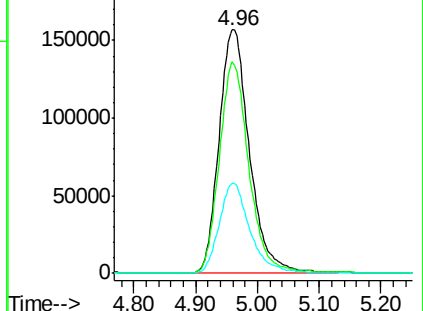
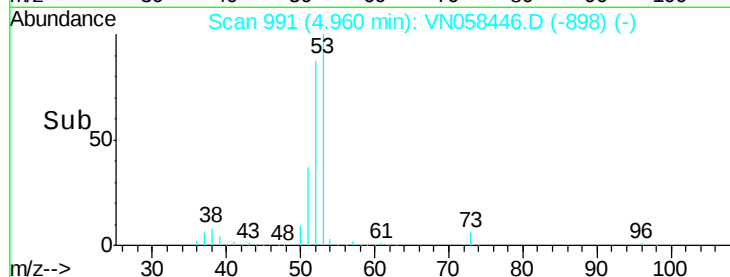
51 37.2 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058446.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN058446.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN058446.D (-898) (-)



#16

Acetone

Concen: 222.357 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058446.D

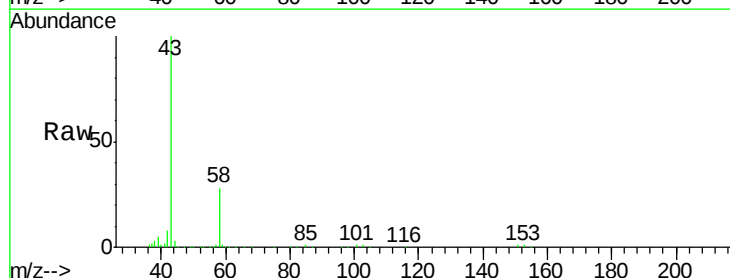
Acq: 30 Sep 2019 19:14

Tgt Ion: 43 Resp: 463681

Ion Ratio Lower Upper

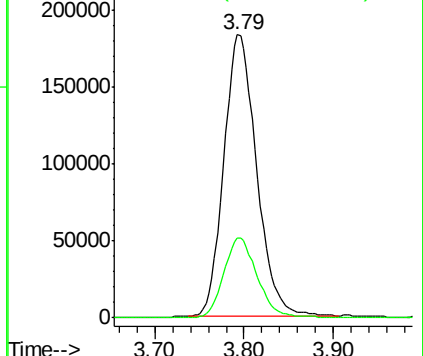
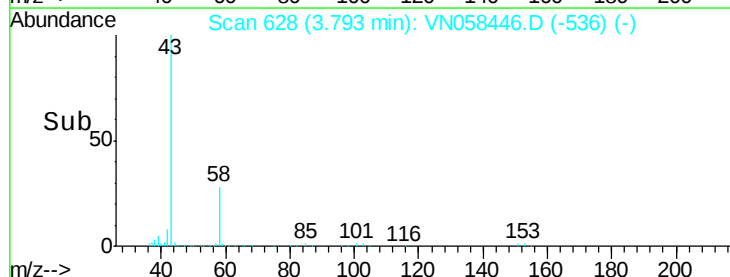
43 100

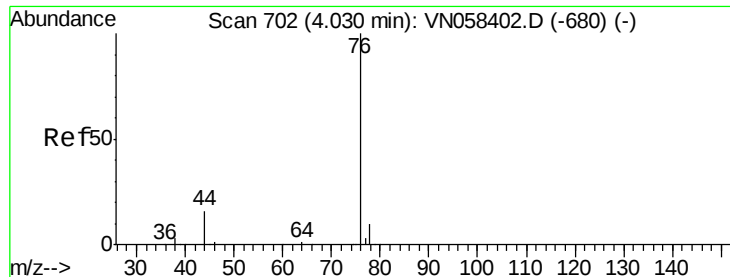
58 28.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058446.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN058446.D (-536) (-)

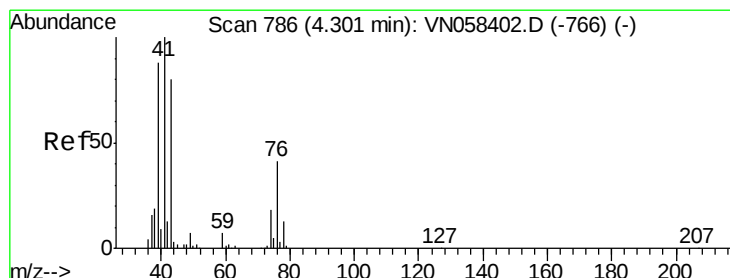
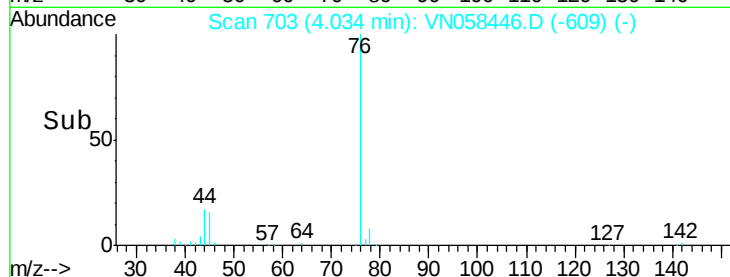
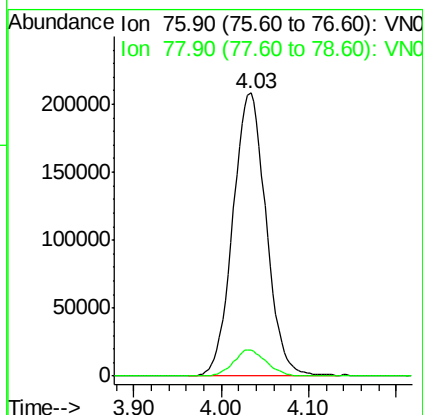
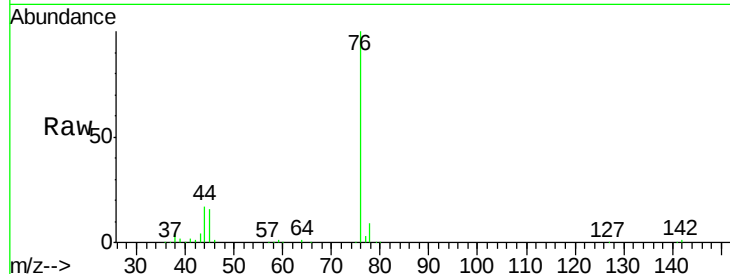




#17
Carbon Disulfide
Concen: 52.803 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

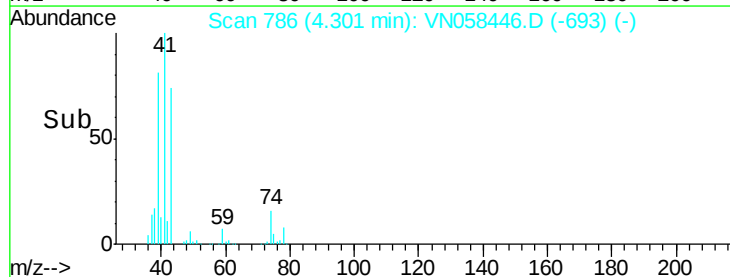
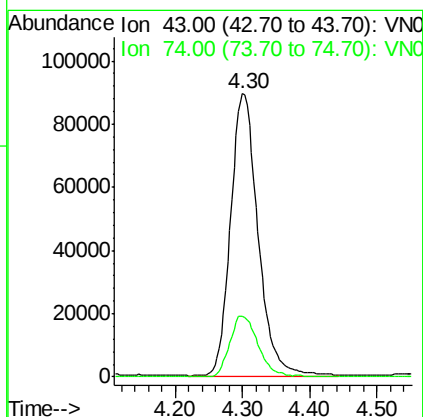
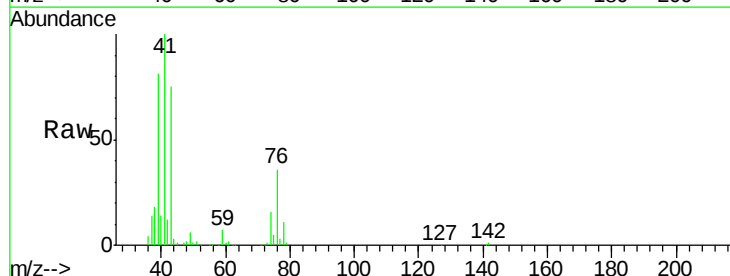
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

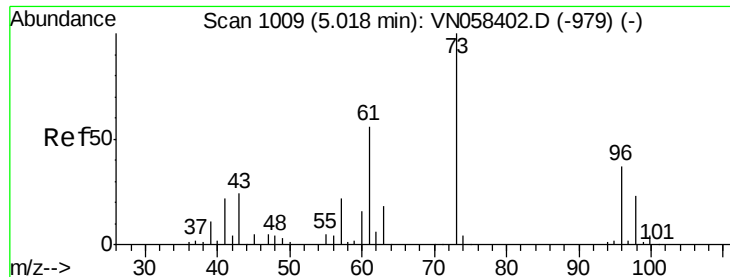
Tot Ion: 76 Resp: 549640
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5



#18
Methyl Acetate
Concen: 48.364 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 43 Resp: 253660
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0

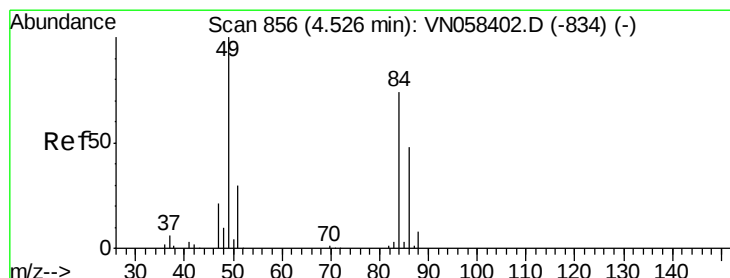
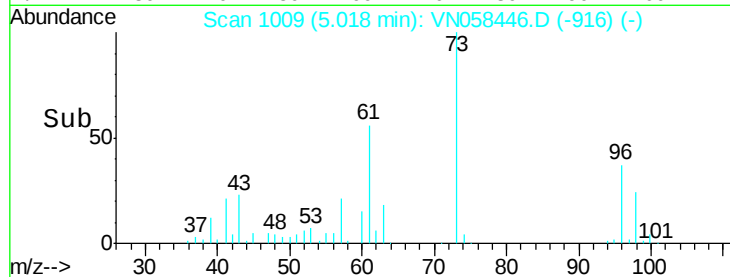
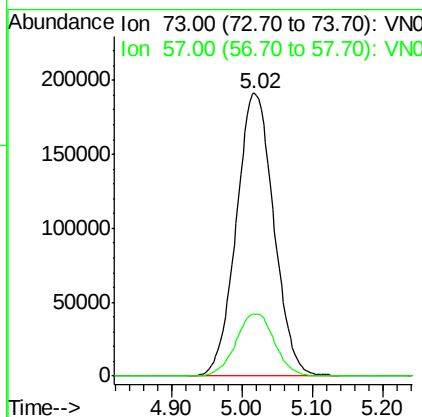
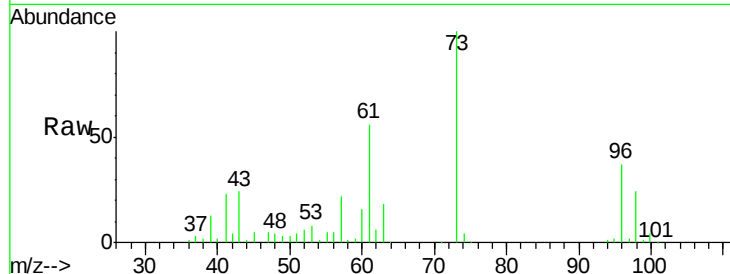




#19
Methyl tert-butyl Ether
Concen: 50.903 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

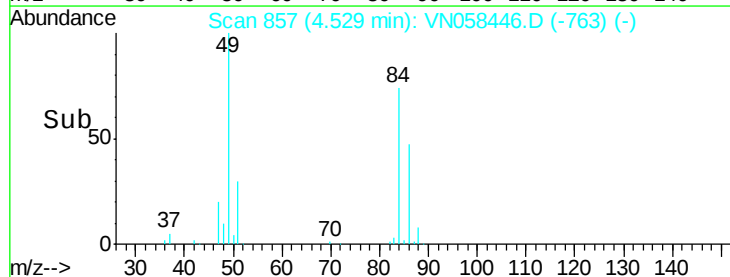
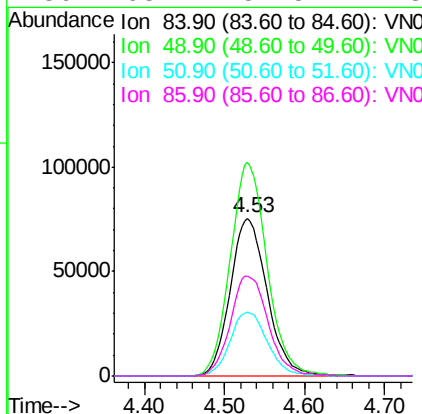
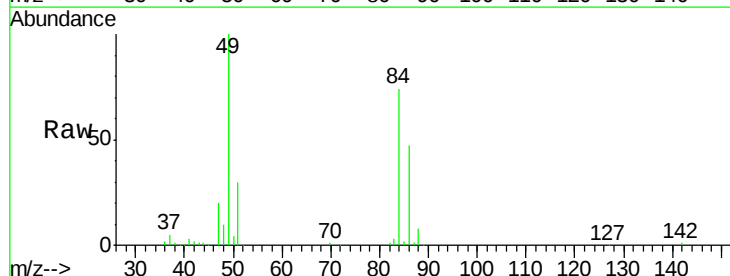
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

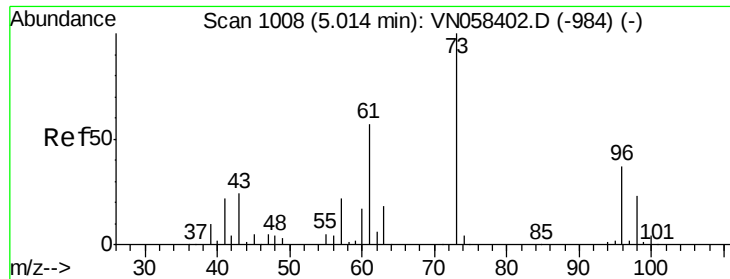
Tot Ion: 73 Resp: 709241
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 49.147 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 84 Resp: 236509
Ion Ratio Lower Upper
84 100
49 135.5 107.9 161.9
51 40.4 32.8 49.2
86 63.4 51.5 77.3

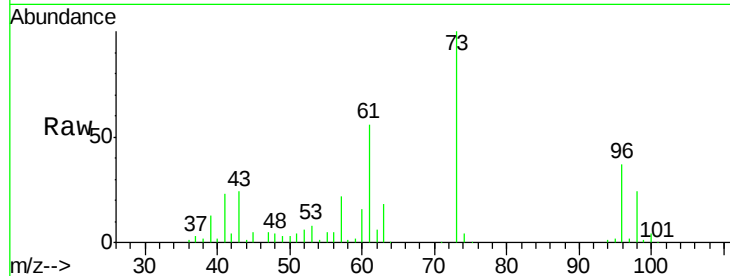




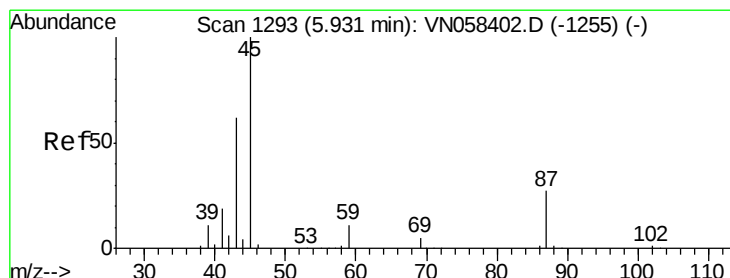
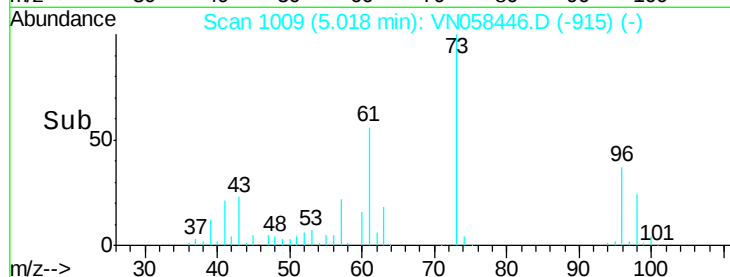
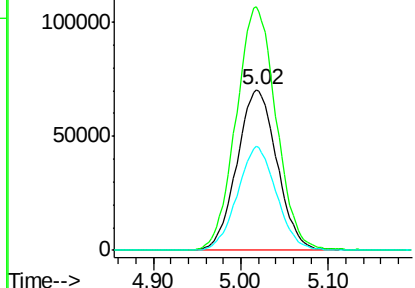
#21
trans-1,2-Dichloroethene
Concen: 50.883 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion: 96 Resp: 223439
Ion Ratio Lower Upper
96 100
61 151.4 121.9 182.9
98 64.5 49.3 73.9

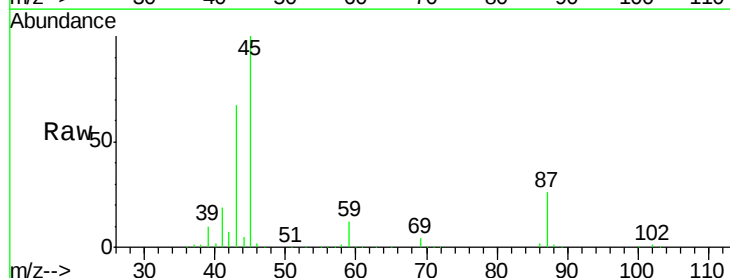


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

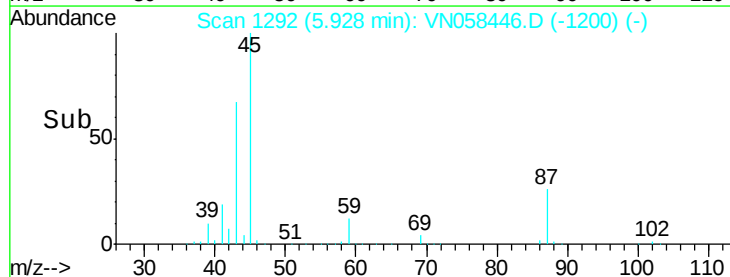
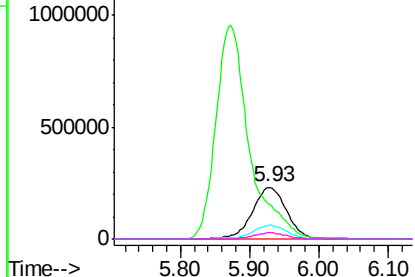


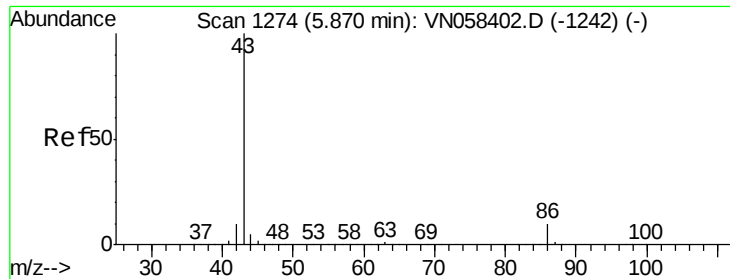
#22
Diisopropyl ether
Concen: 51.374 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 45 Resp: 794475
Ion Ratio Lower Upper
45 100
43 66.1 49.7 74.5
87 26.0 21.5 32.3
59 11.4 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 274.884 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

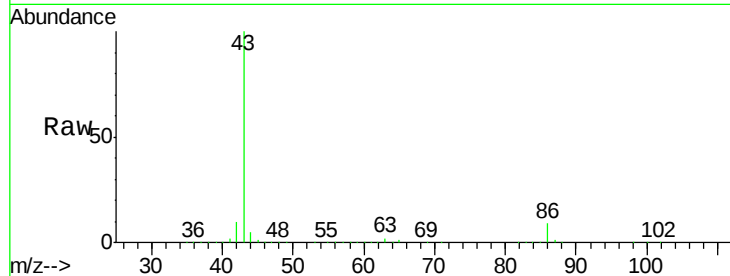
SA-MW184S-20190924MSD

Tot Ion: 43 Resp: 3205259

Ion Ratio Lower Upper

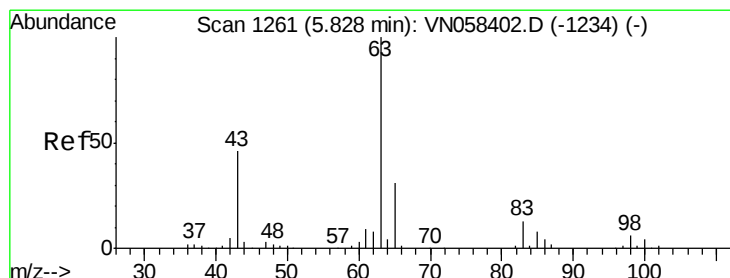
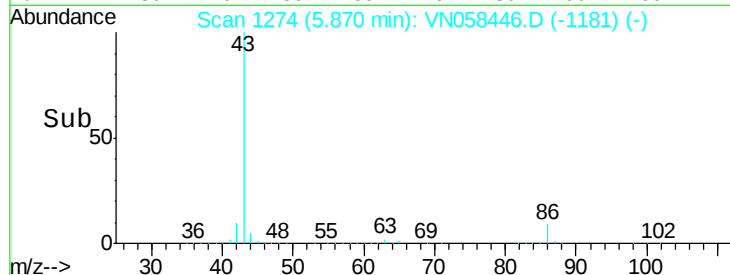
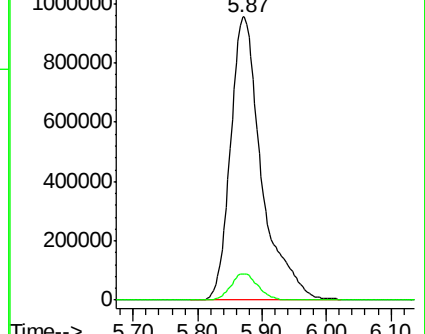
43 100

86 9.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.737 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

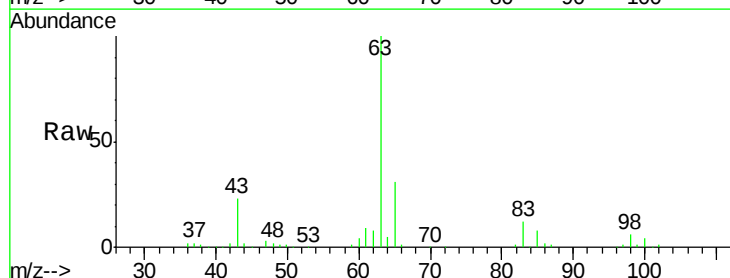
Tgt Ion: 63 Resp: 450282

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

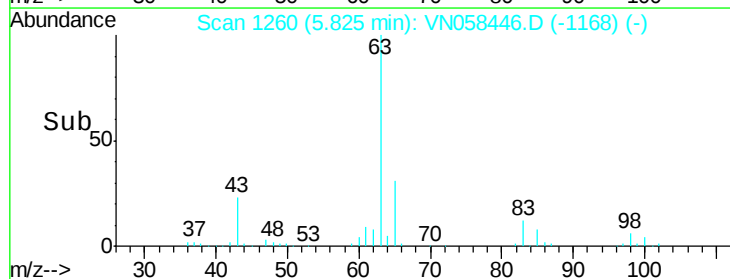
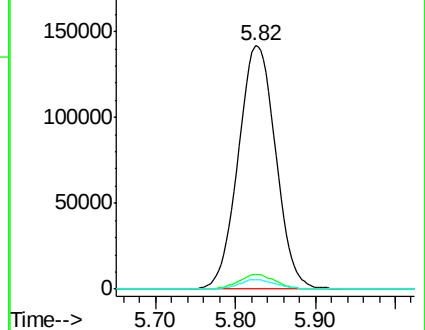
100 3.9 2.0 5.8

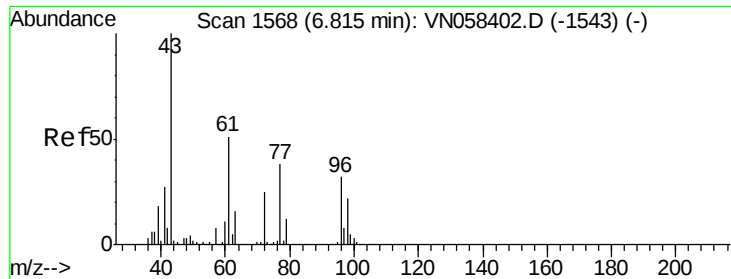


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 257.609 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

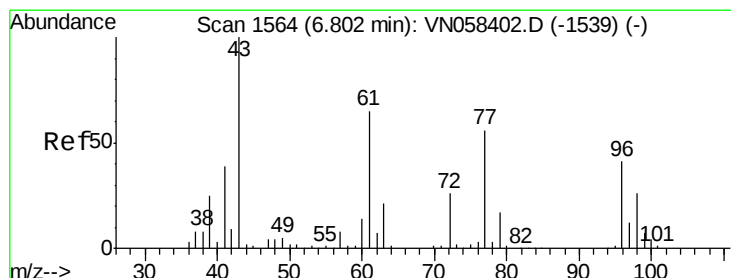
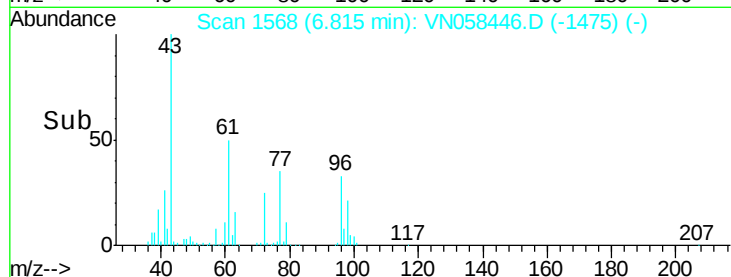
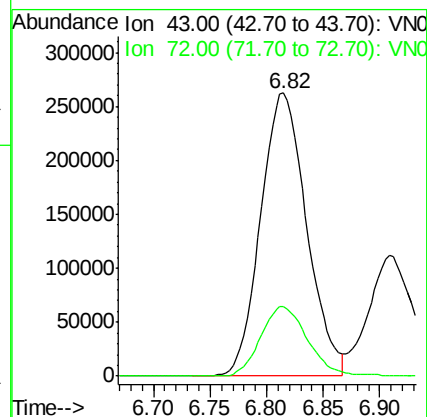
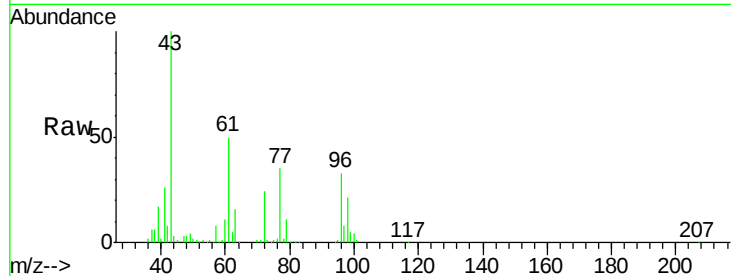
SA-MW184S-20190924MSD

Tot Ion: 43 Resp: 737547

Ion Ratio Lower Upper

43 100

72 24.5 20.2 30.4



#26

2,2-Dichloropropane

Concen: 47.094 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058446.D

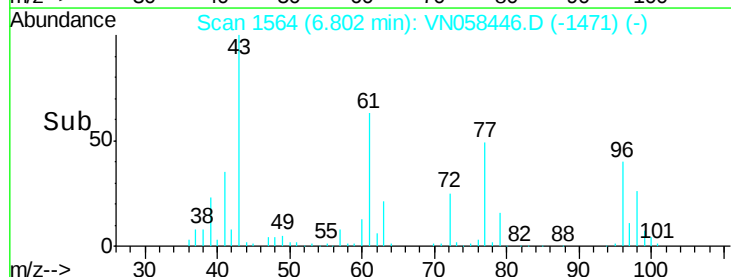
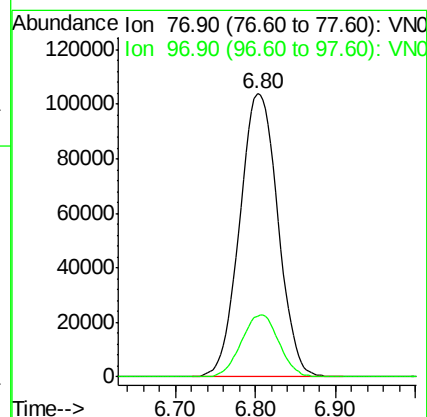
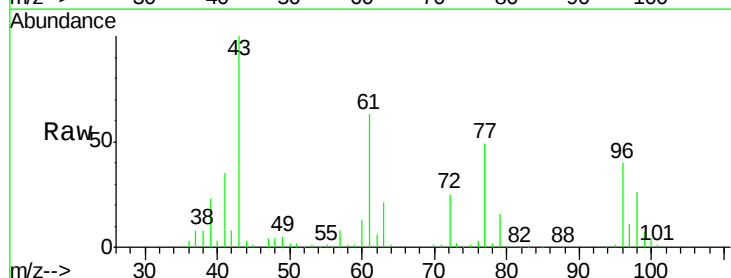
Acq: 30 Sep 2019 19:14

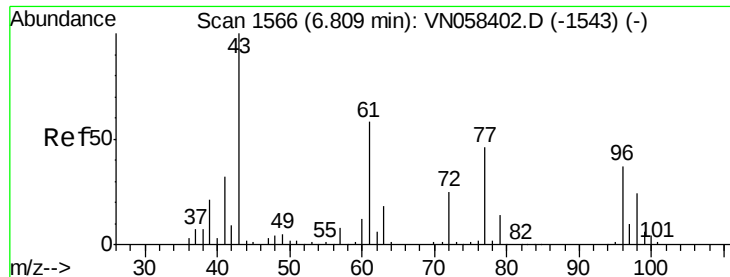
Tgt Ion: 77 Resp: 336960

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.070 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

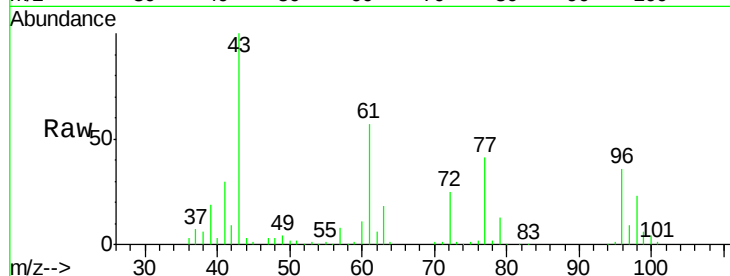
Tot Ion: 96 Resp: 262109

Ion Ratio Lower Upper

96 100

61 156.9 0.0 318.8

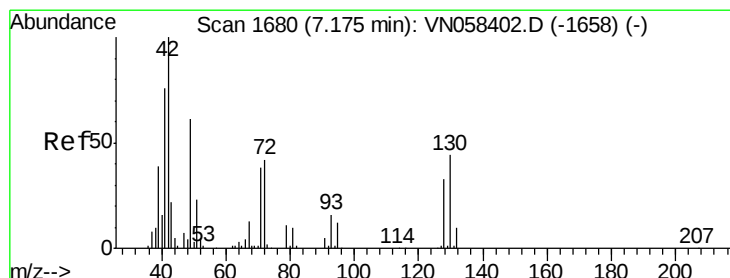
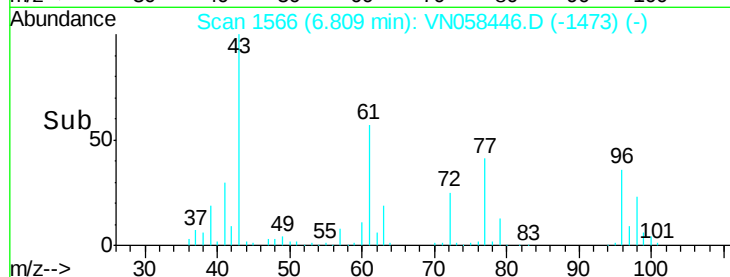
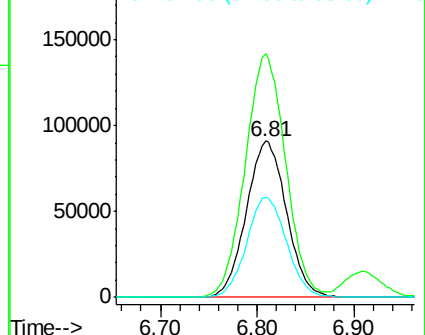
98 63.8 0.0 129.8



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



#28

Bromochloromethane

Concen: 53.436 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

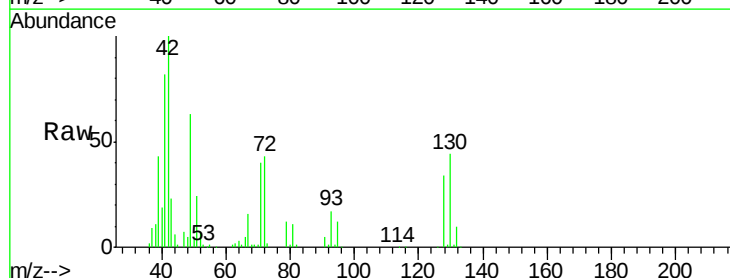
Tgt Ion: 49 Resp: 185901

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

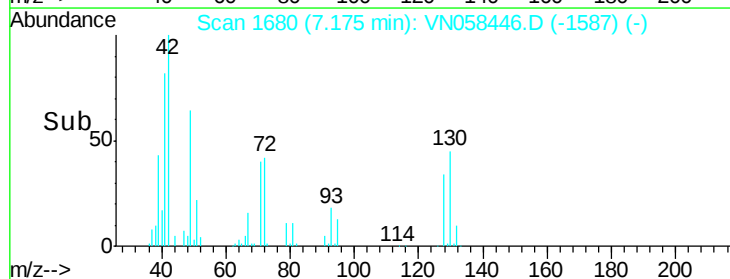
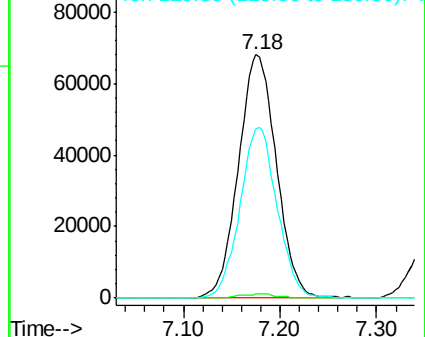
130 68.6 56.3 84.5

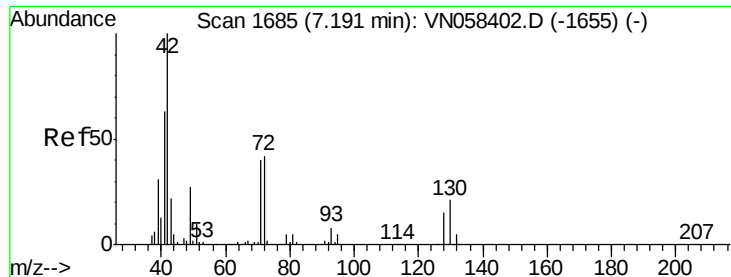


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

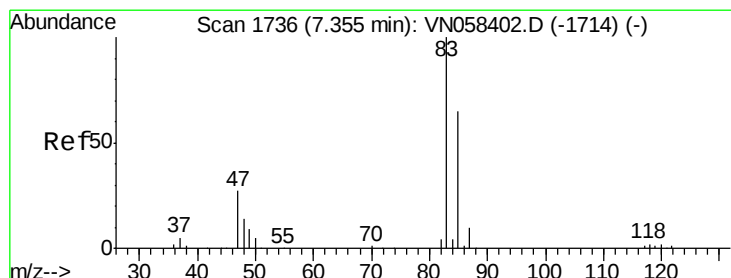
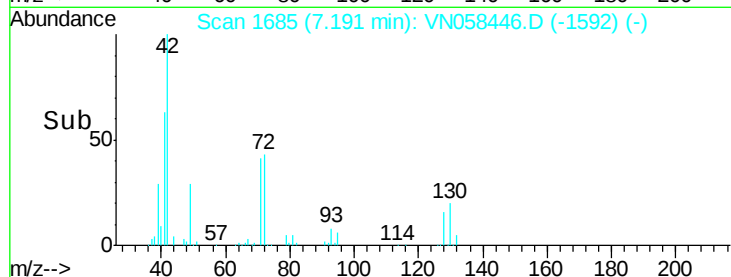
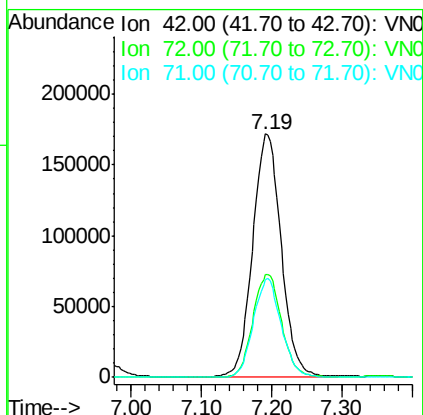
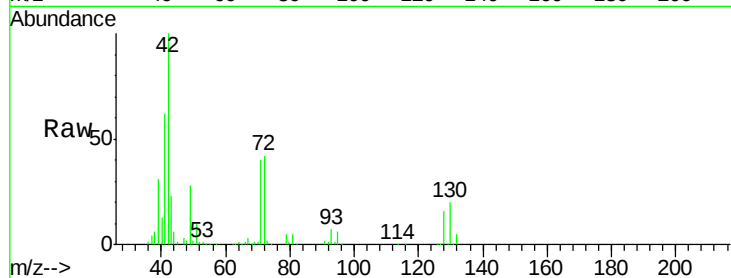




#29
Tetrahydrofuran
Concen: 266.655 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

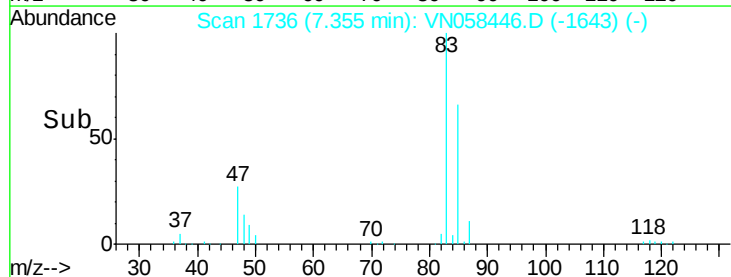
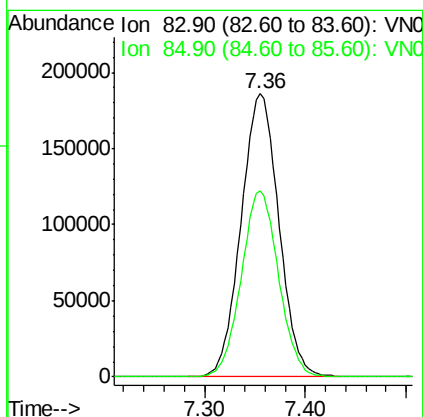
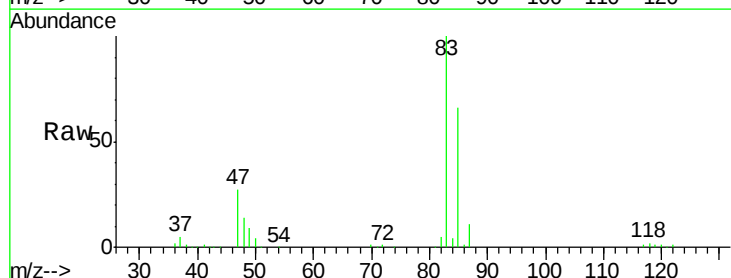
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

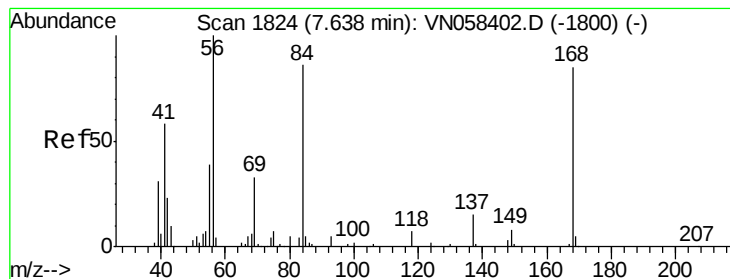
Tot Ion: 42 Resp: 484552
Ion Ratio Lower Upper
42 100
72 42.5 33.7 50.5
71 39.6 31.8 47.6



#30
Chloroform
Concen: 54.749 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 83 Resp: 482851
Ion Ratio Lower Upper
83 100
85 65.7 52.0 78.0





#31

Cyclohexane

Concen: 49.205 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

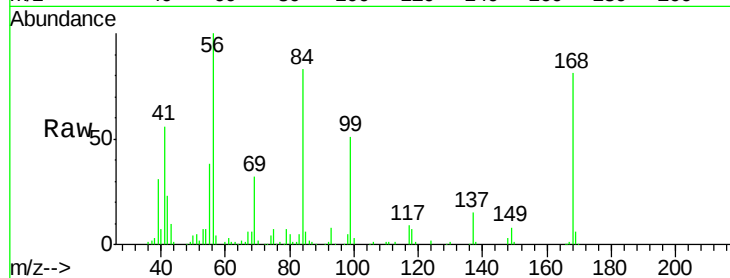
Tot Ion: 56 Resp: 416565

Ion Ratio Lower Upper

56 100

69 31.5 26.2 39.4

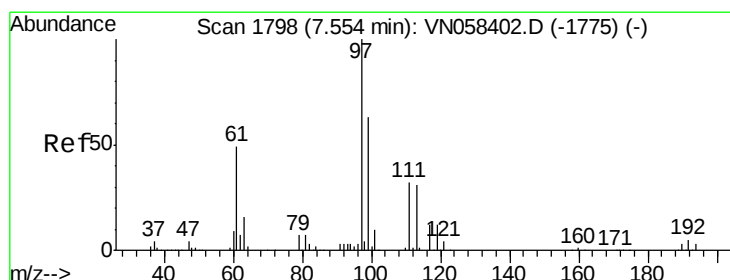
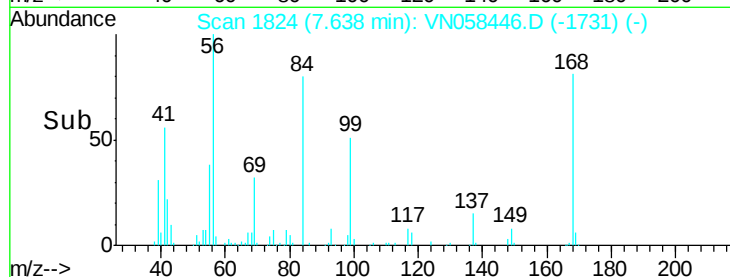
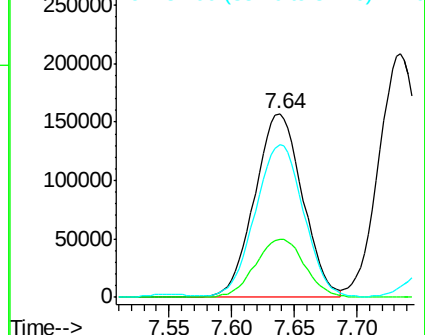
84 82.0 67.6 101.4



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



#32

1,1,1-Trichloroethane

Concen: 52.957 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

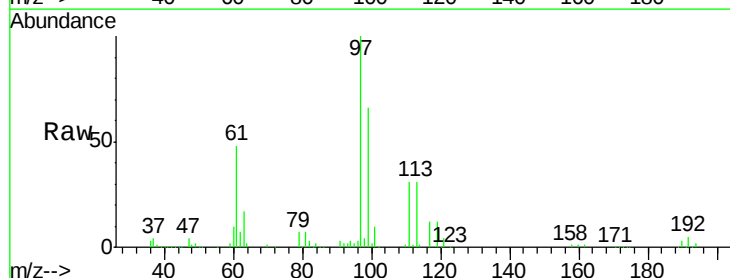
Tgt Ion: 97 Resp: 383534

Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

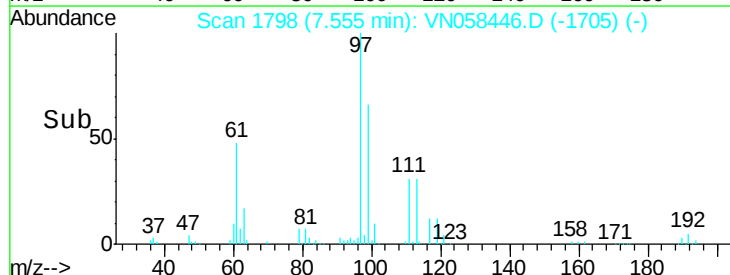
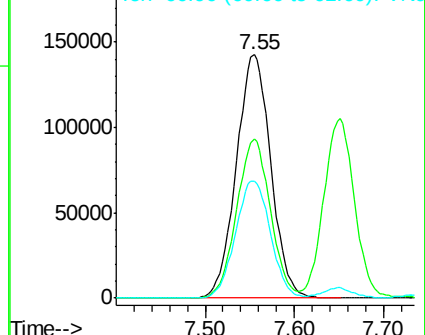
61 48.7 39.2 58.8

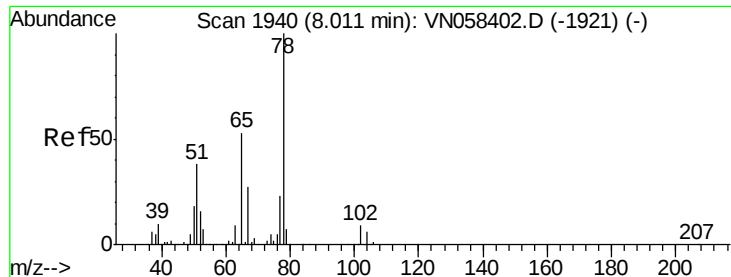


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.797 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

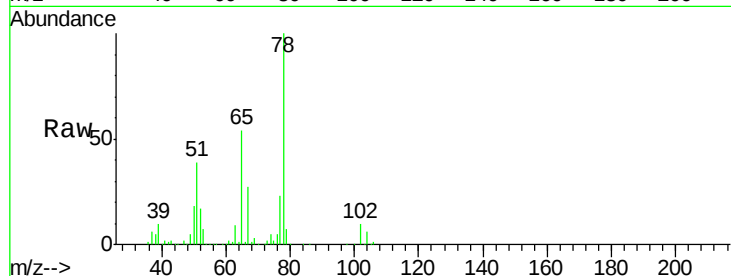
SA-MW184S-20190924MSD

Tot Ion: 65 Resp: 316856

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058446.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058446.D (-1847) (-)

8.01

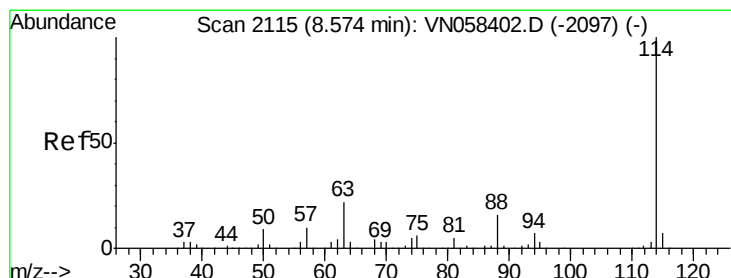
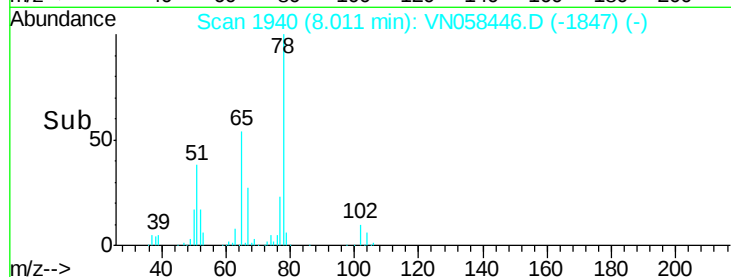
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

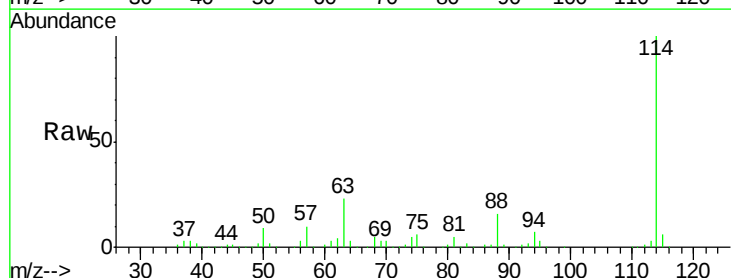
Tgt Ion: 114 Resp: 710301

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058446.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058446.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058446.D (-2022) (-)

8.57

400000

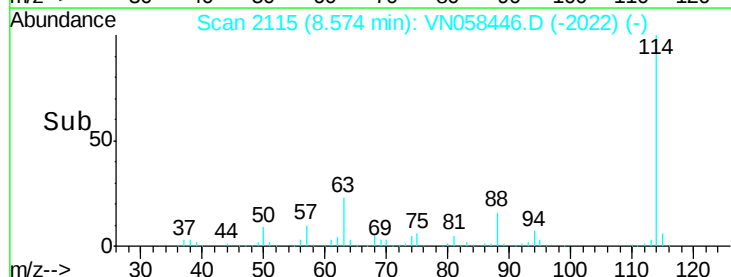
300000

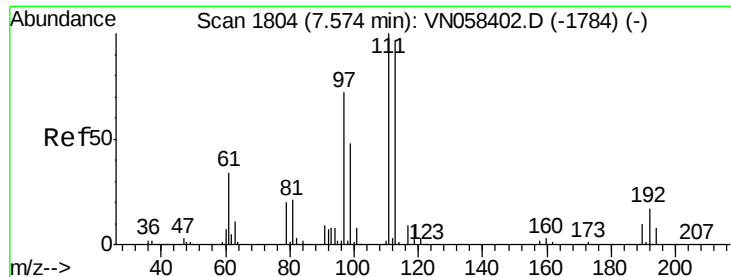
200000

100000

0

Time--> 8.50 8.60 8.70

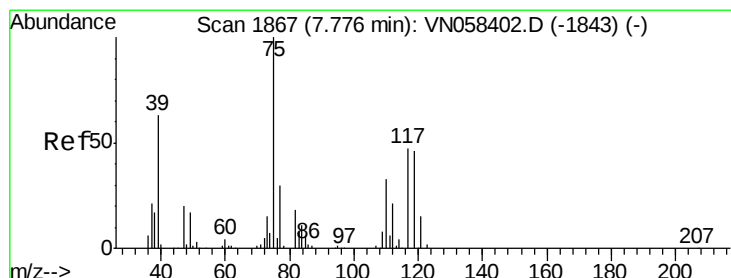
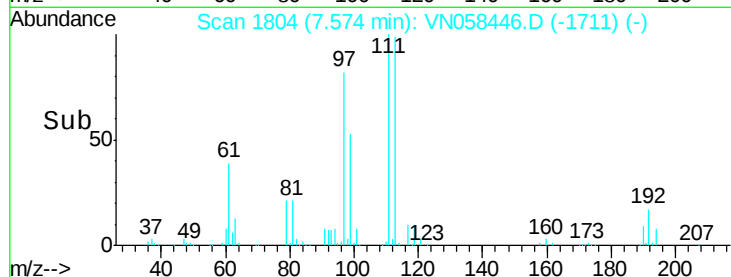
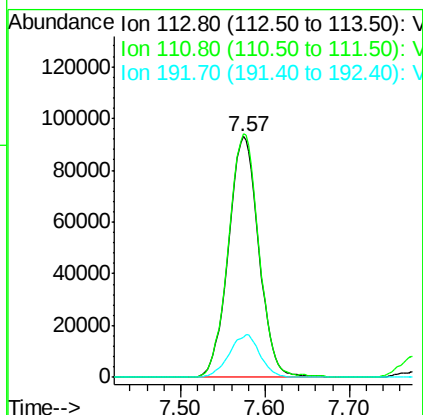
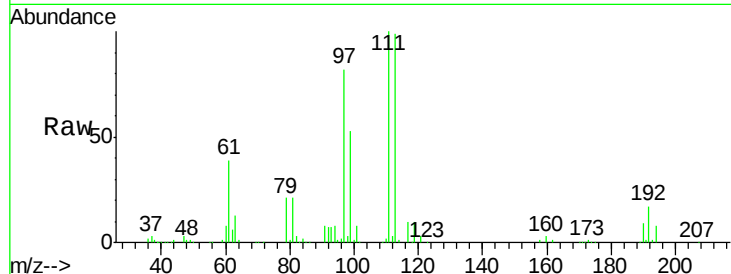




#35
 Dibromofluoromethane
 Concen: 53.453 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

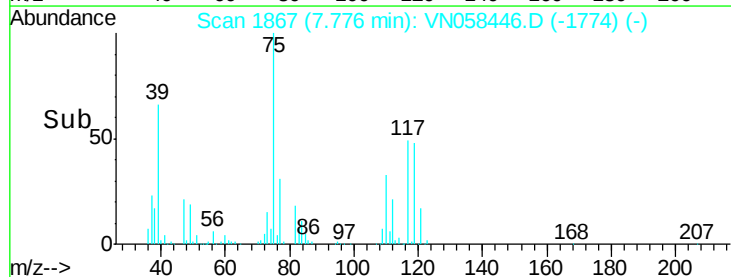
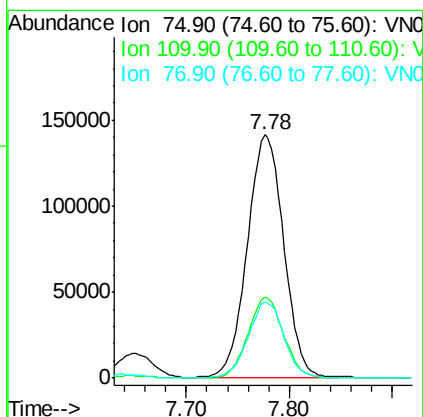
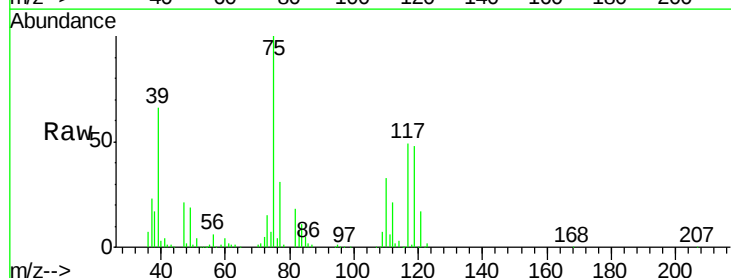
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

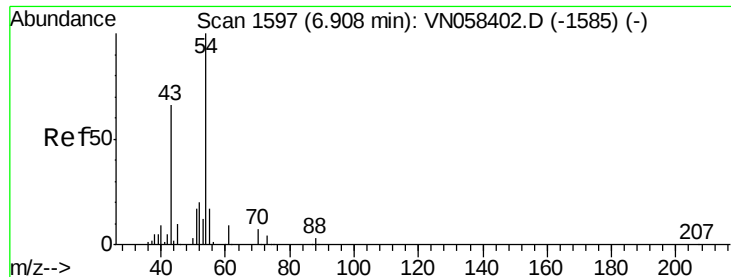
Tot Ion:113 Resp: 232702
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.4 125.2
 192 17.9 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 50.802 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 75 Resp: 345038
 Ion Ratio Lower Upper
 75 100
 110 32.7 16.4 49.2
 77 31.0 24.3 36.5

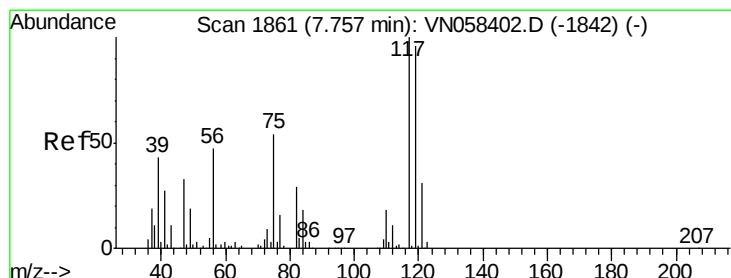
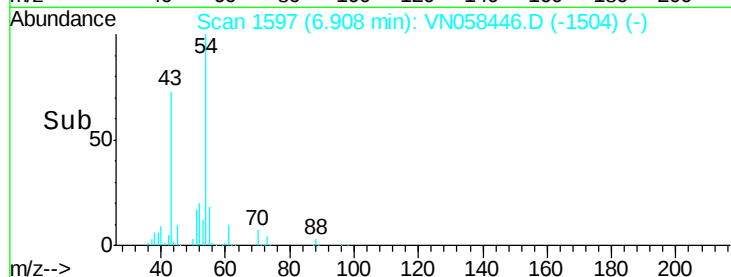
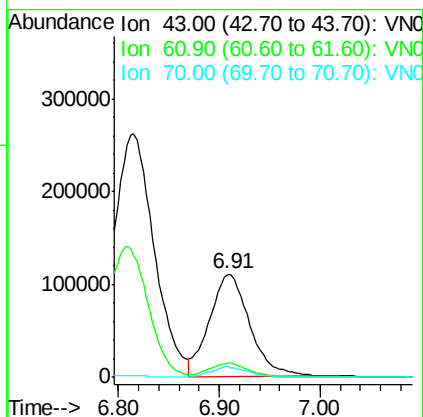
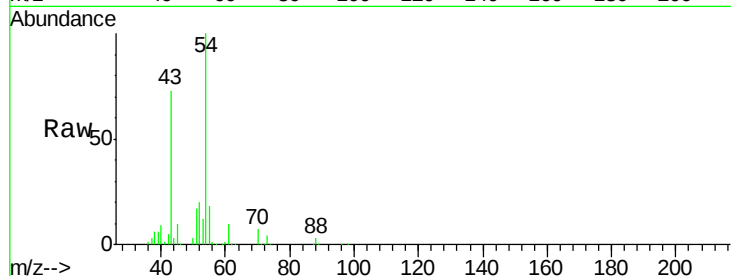




#37
Ethyl Acetate
Concen: 53.315 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

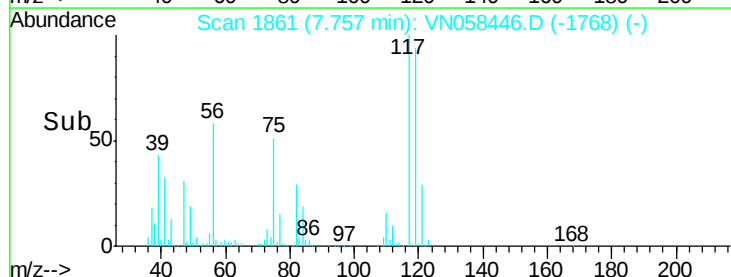
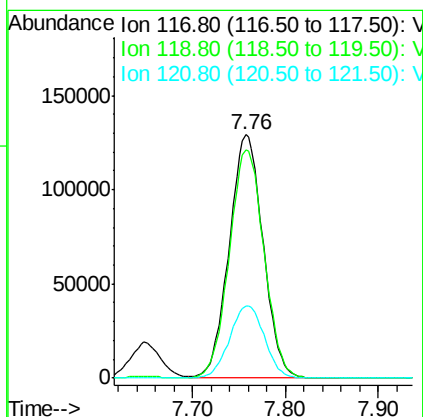
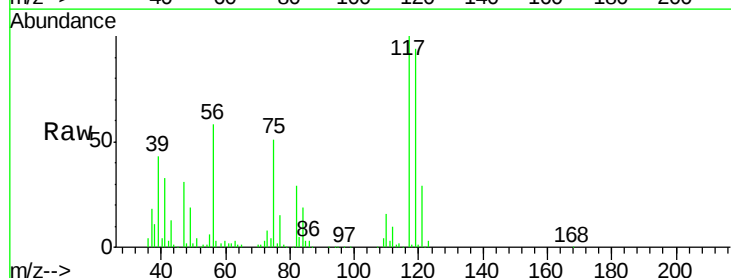
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

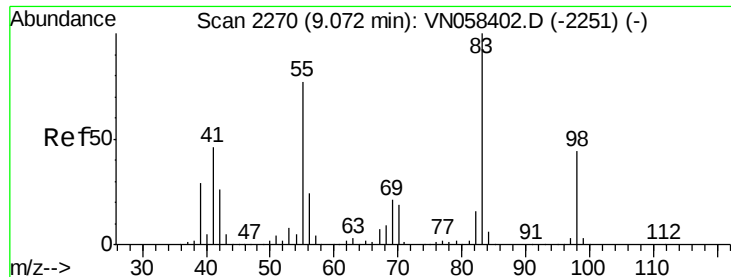
Tot Ion: 43 Resp: 307006
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 53.483 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 117 Resp: 327884
Ion Ratio Lower Upper
117 100
119 93.7 76.6 115.0
121 29.5 24.7 37.1

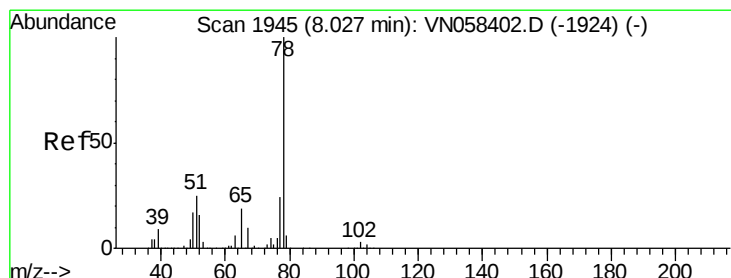
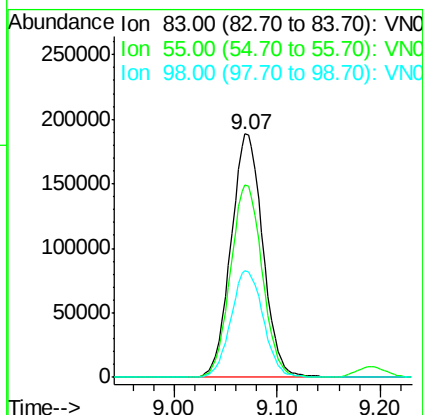
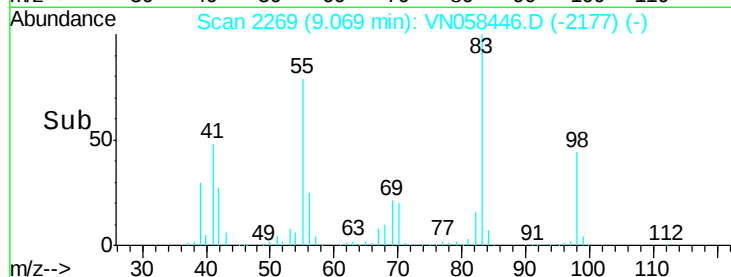
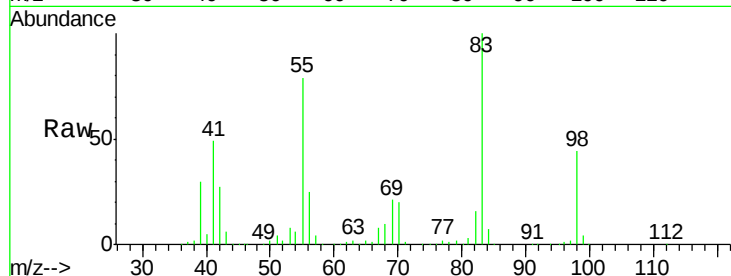




#39
Methvlcvclohexane
Concen: 51.165 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

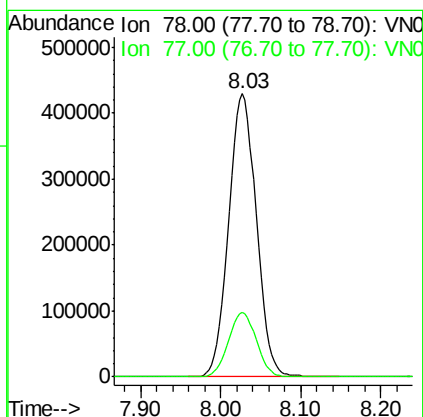
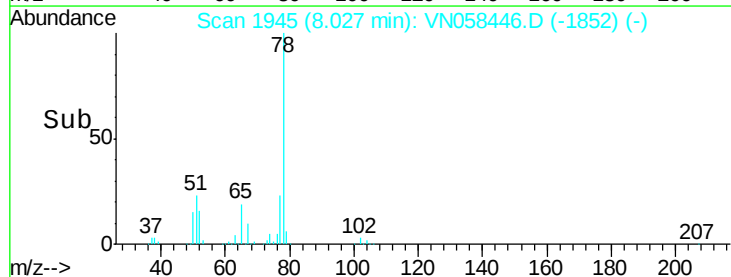
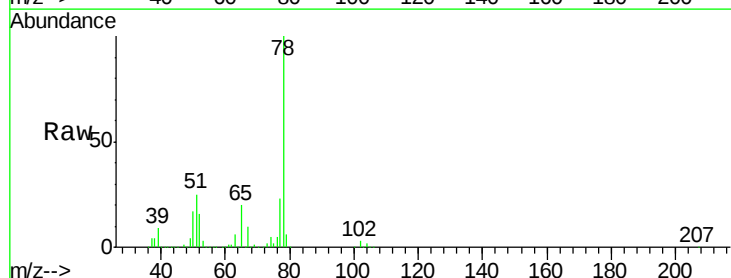
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

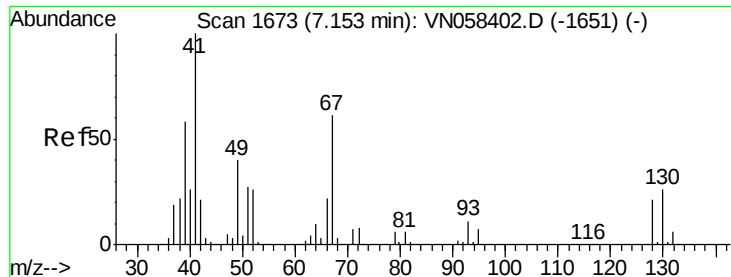
Tot Ion: 83 Resp: 405816
Ion Ratio Lower Upper
83 100
55 79.3 61.8 92.6
98 44.1 35.4 53.0



#40
Benzene
Concen: 51.712 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 78 Resp: 1009575
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3





#41

Methacrylonitrile

Concen: 174.270 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 41 Resp: 461663

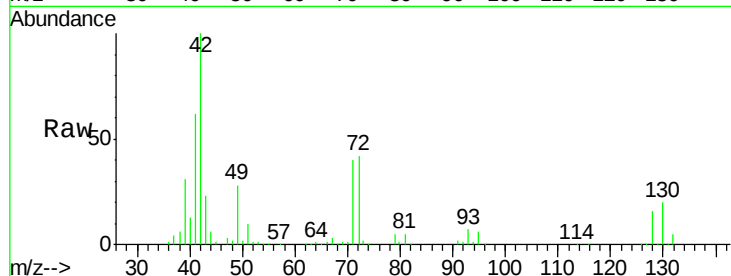
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

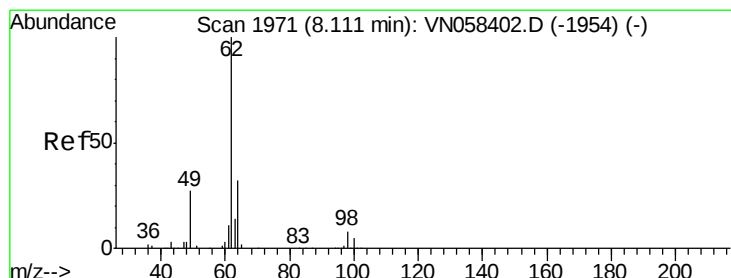
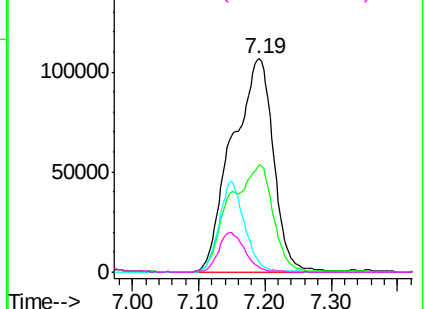
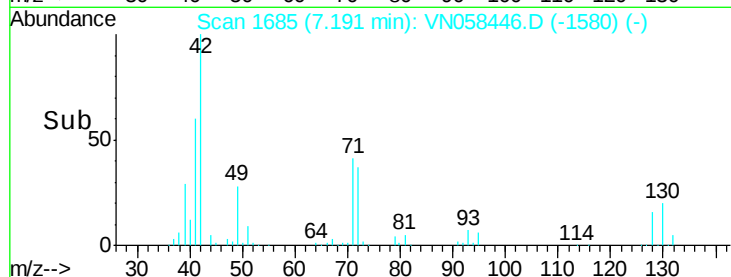


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 50.027 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058446.D

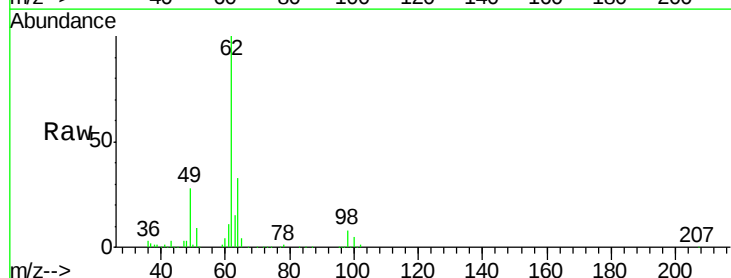
Acq: 30 Sep 2019 19:14

Tgt Ion: 62 Resp: 379978

Ion Ratio Lower Upper

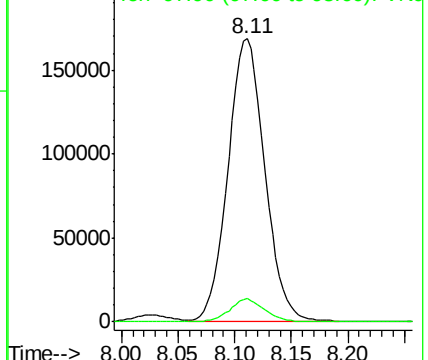
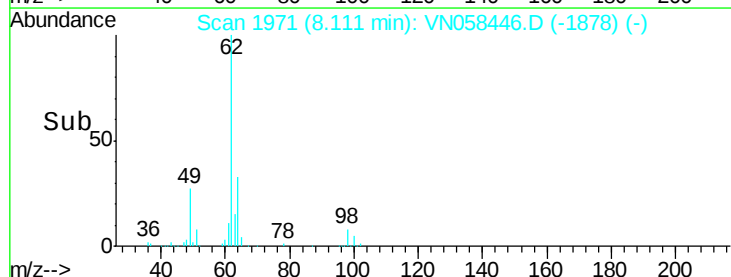
62 100

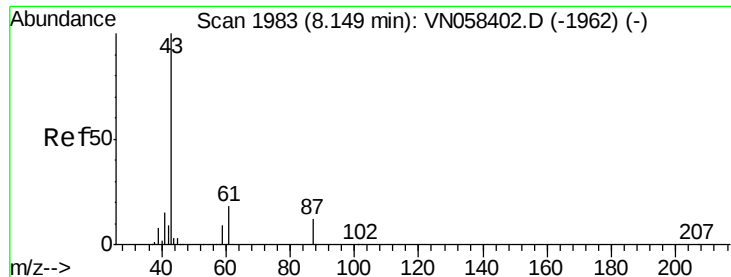
98 7.7 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



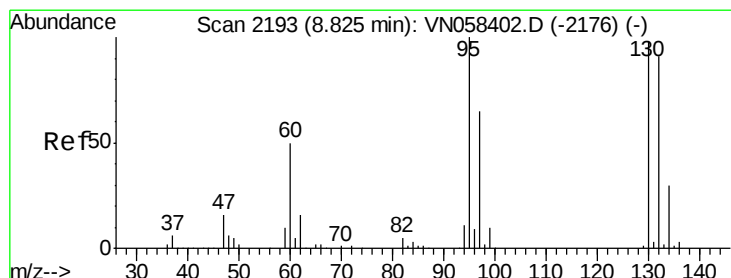
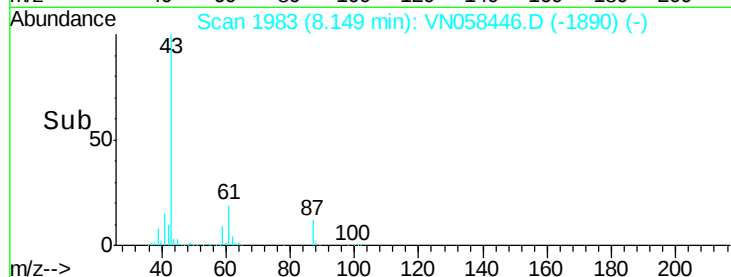
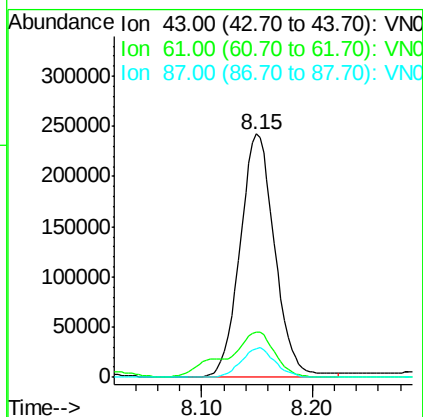
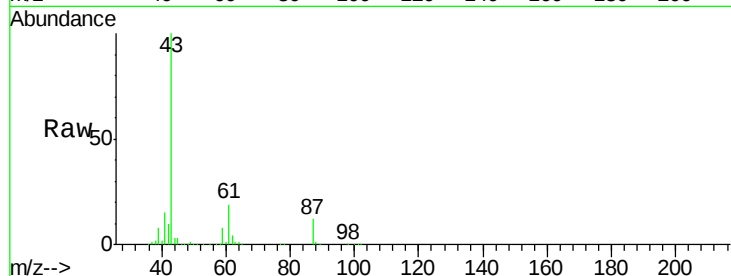


#43

Isopropyl Acetate
 Concen: 48.601 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

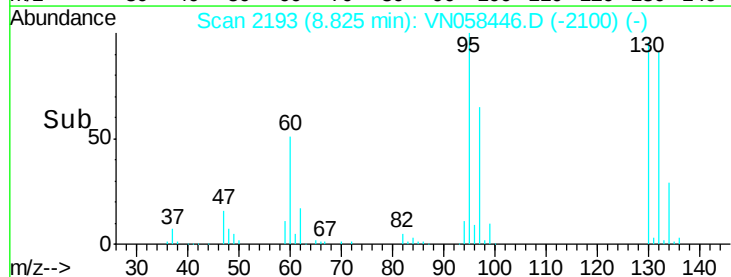
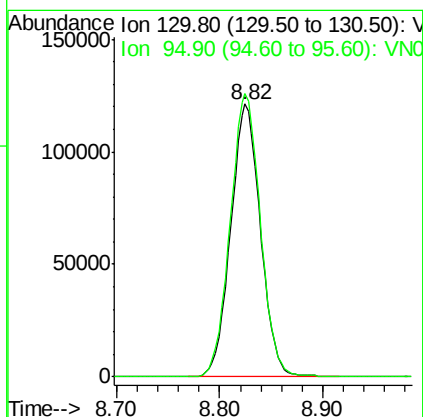
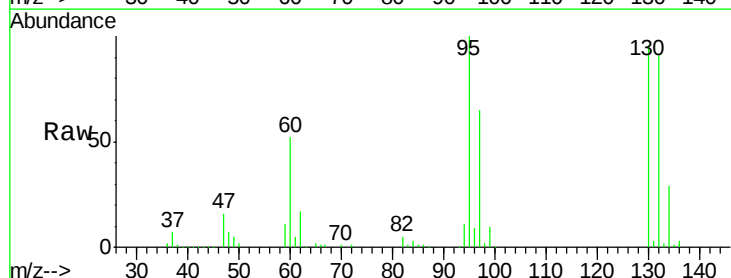
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.8	22.2
87	12.1	9.7	14.5

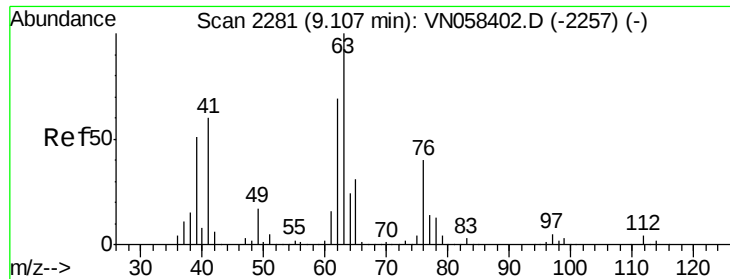


#44

Trichloroethene
 Concen: 50.628 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.2

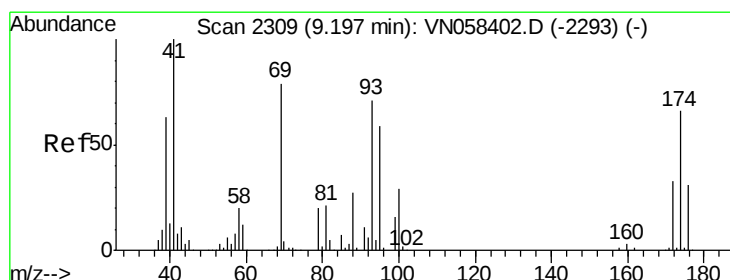
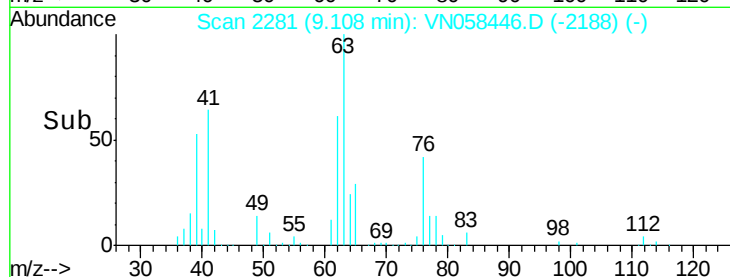
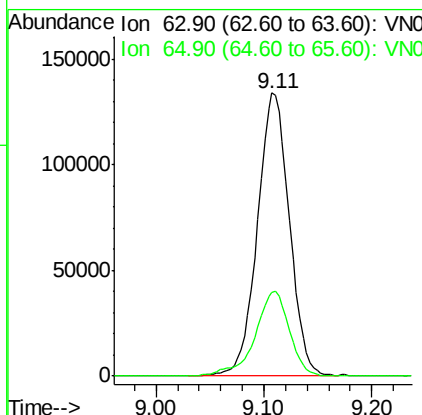
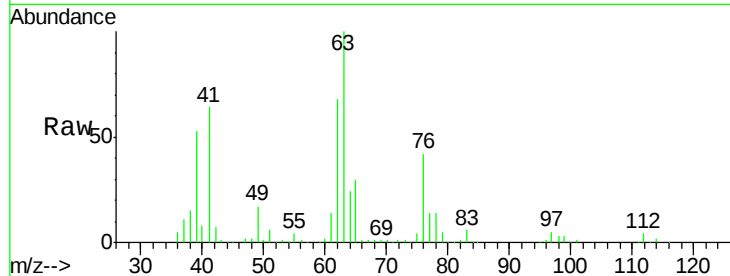




#45
 1,2-Dichloropropane
 Concen: 52.598 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

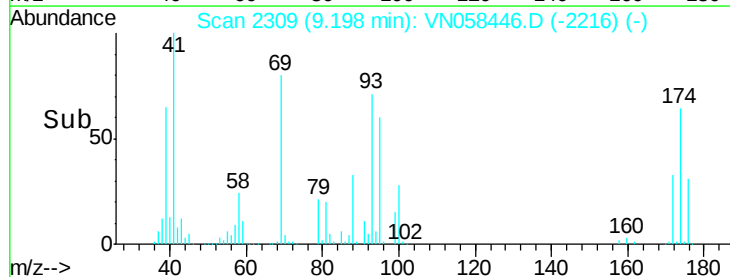
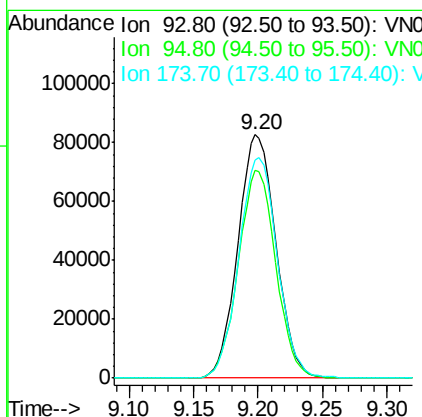
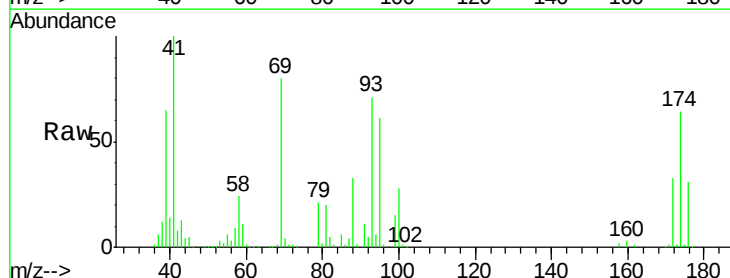
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

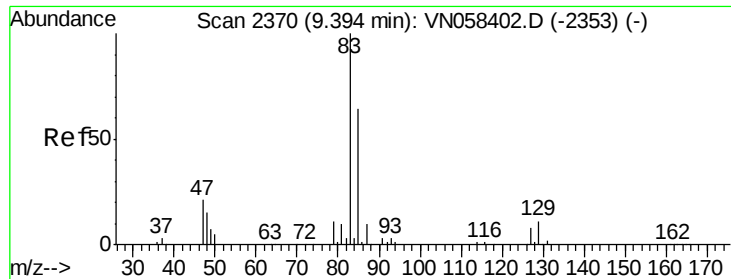
Tot Ion: 63 Resp: 275401
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4



#46
 Dibromomethane
 Concen: 51.322 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 93 Resp: 170177
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.0 100.4
 174 91.7 74.2 111.2





#47

Bromodichloromethane

Concen: 55.023 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

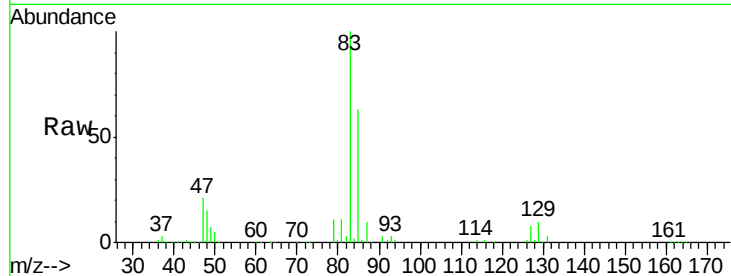
Tot Ion: 83 Resp: 345682

Ion Ratio Lower Upper

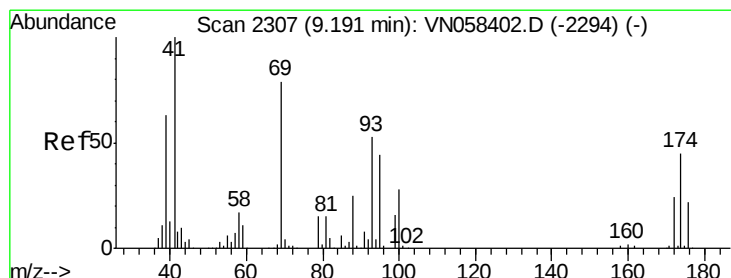
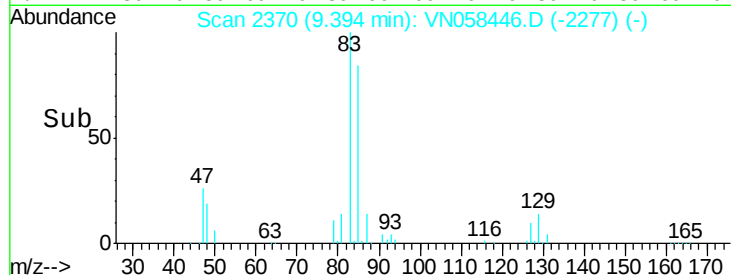
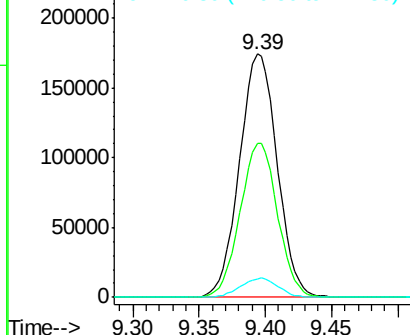
83 100

85 63.0 51.2 76.8

127 7.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.400 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

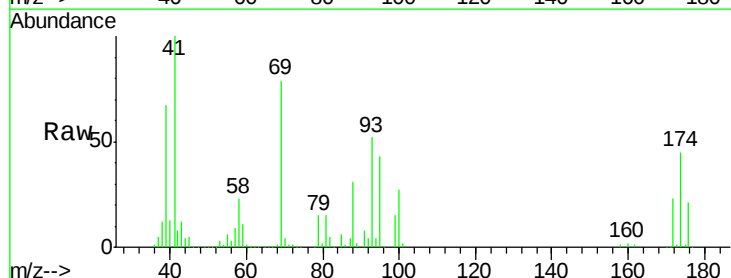
Tgt Ion: 41 Resp: 263298

Ion Ratio Lower Upper

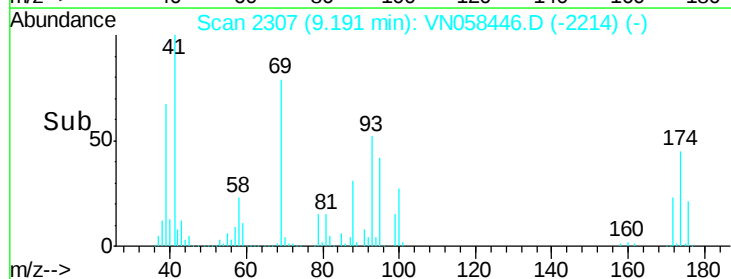
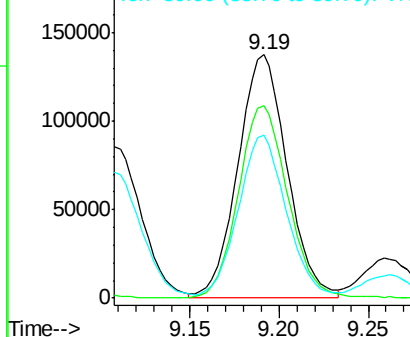
41 100

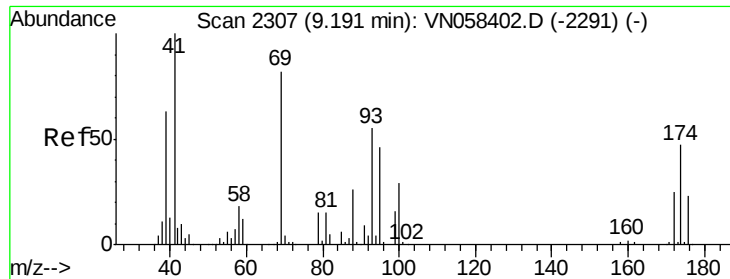
69 79.4 64.7 97.1

39 65.9 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

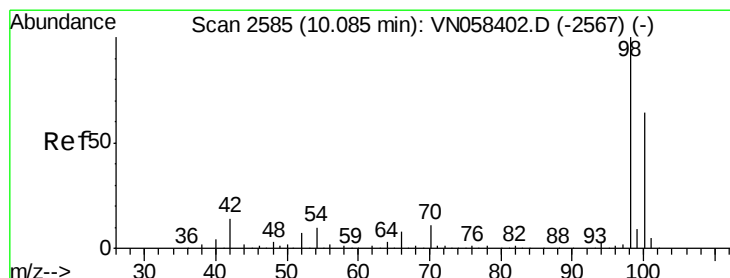
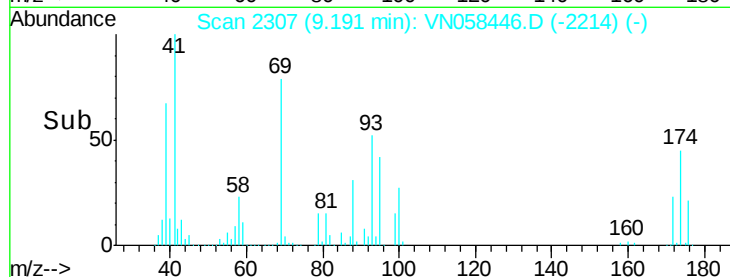
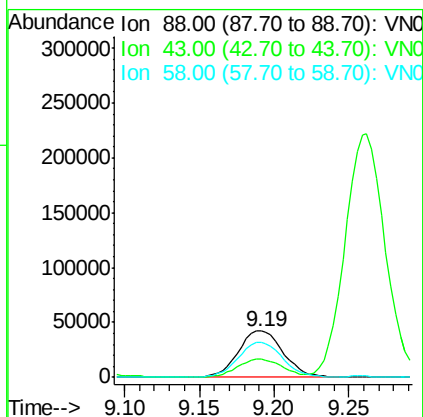
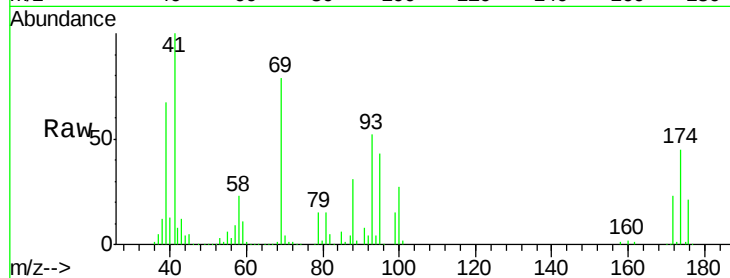




#49
 1,4-Dioxane
 Concen: 1346.743 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

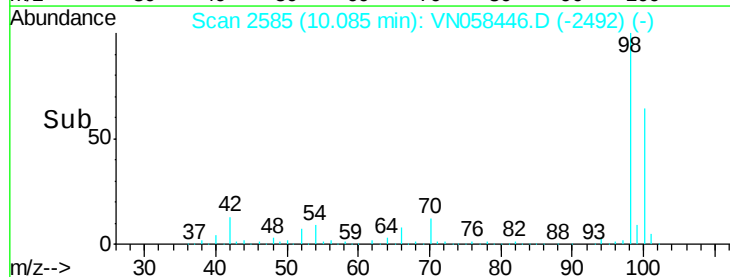
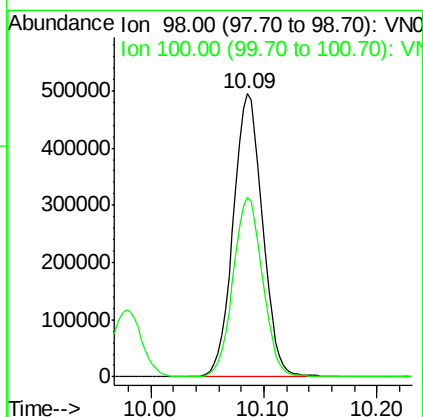
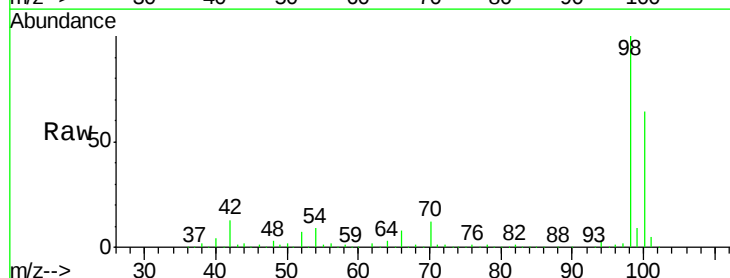
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

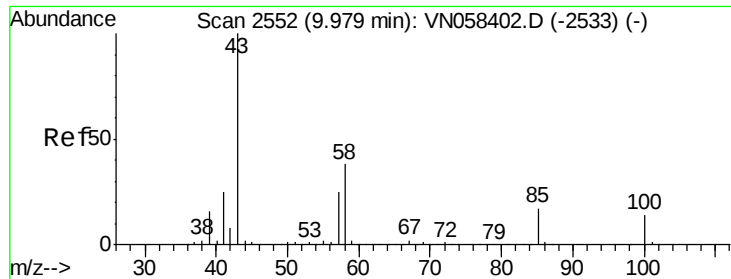
Tot Ion: 88 Resp: 88790
 Ion Ratio Lower Upper
 88 100
 43 37.7 31.1 46.7
 58 74.4 58.1 87.1



#50
 Toluene-d8
 Concen: 52.533 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 98 Resp: 895902
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 285.212 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

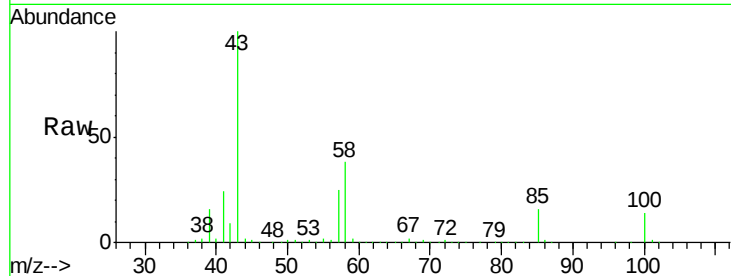
SA-MW184S-20190924MSD

Tot Ion: 43 Resp: 1586398

Ion Ratio Lower Upper

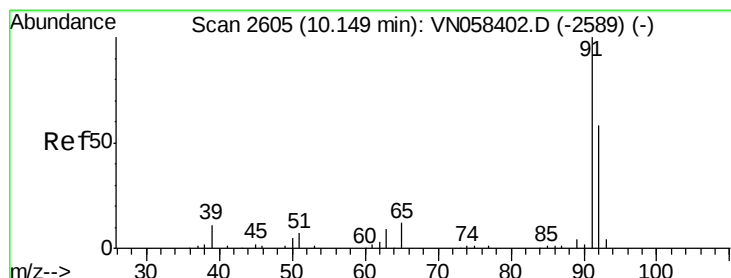
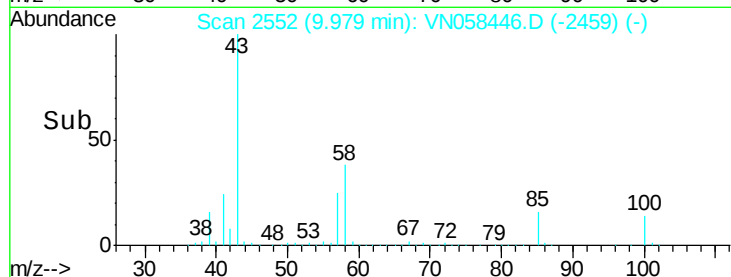
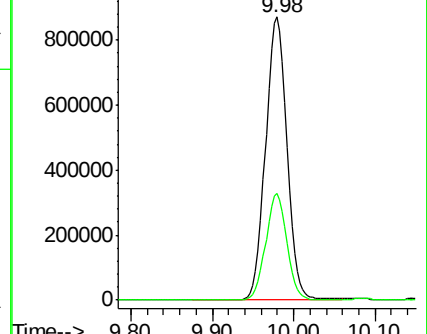
43 100

58 37.2 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.599 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058446.D

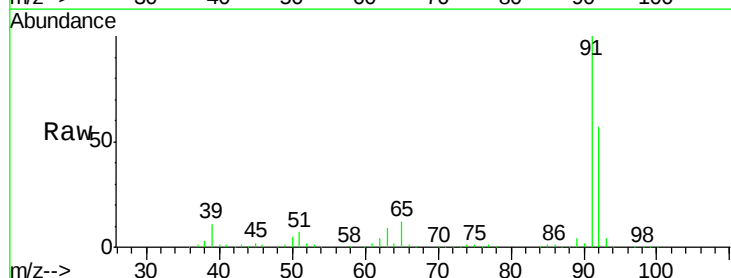
Acq: 30 Sep 2019 19:14

Tgt Ion: 92 Resp: 621776

Ion Ratio Lower Upper

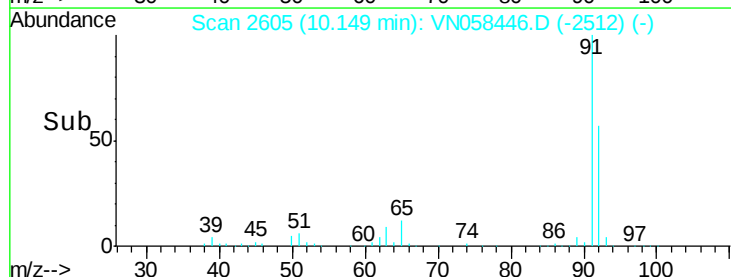
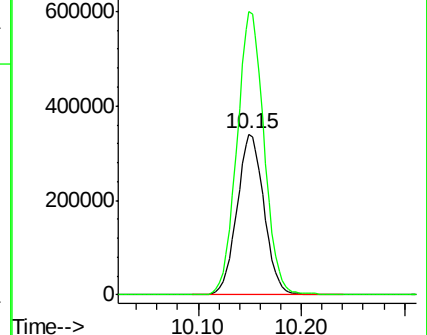
92 100

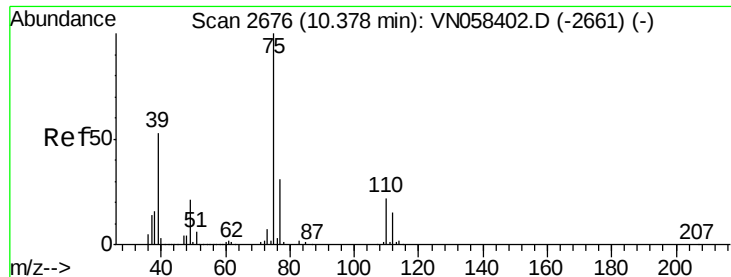
91 177.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

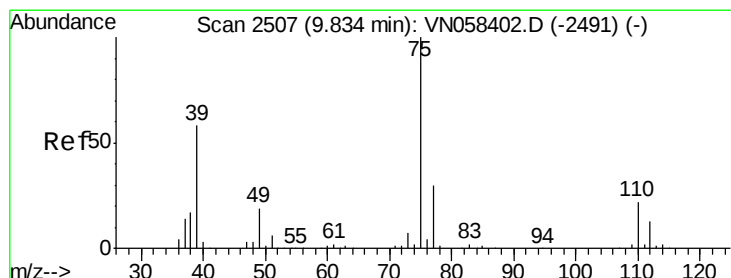
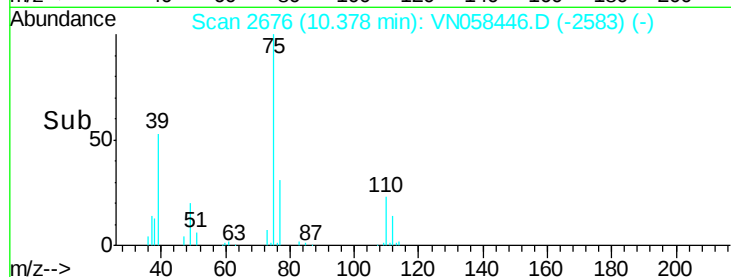
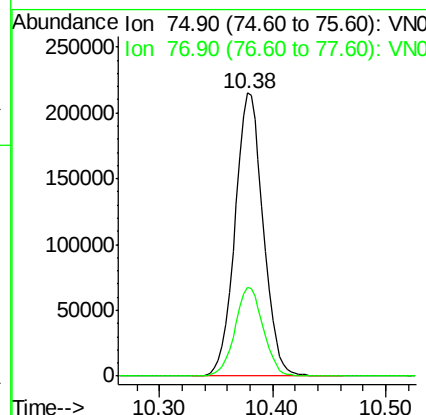
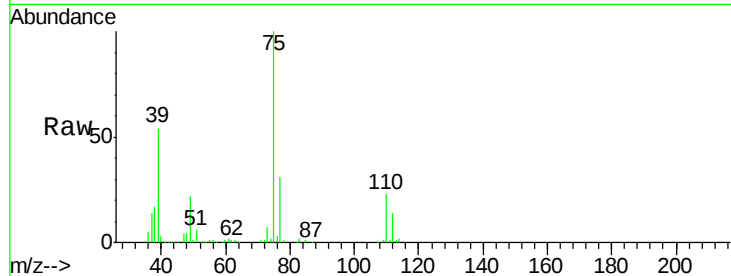




#53
 t-1,3-Dichloropropene
 Concen: 54.369 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

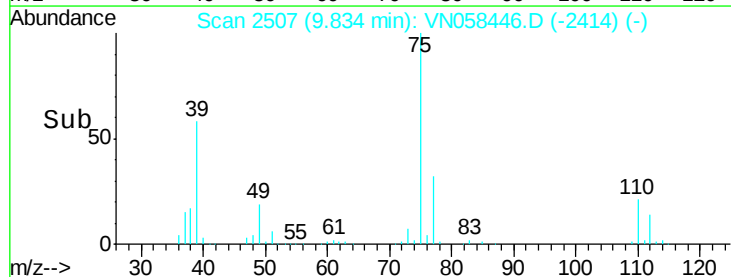
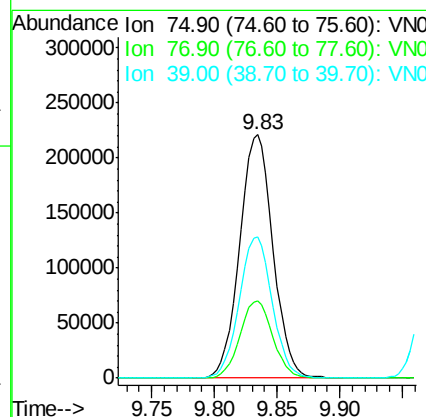
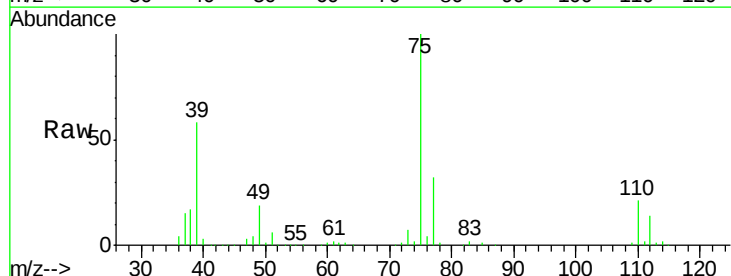
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

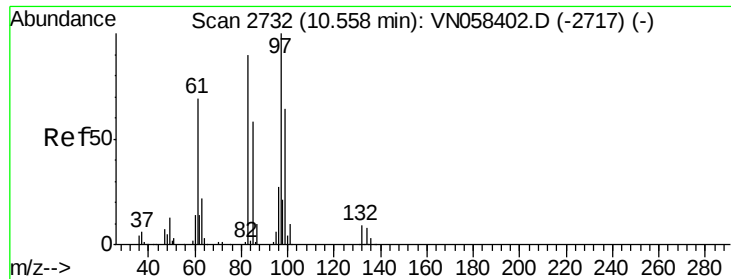
Tot Ion: 75 Resp: 371775
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.735 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 75 Resp: 407873
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.2 36.4
 39 58.0 46.4 69.6

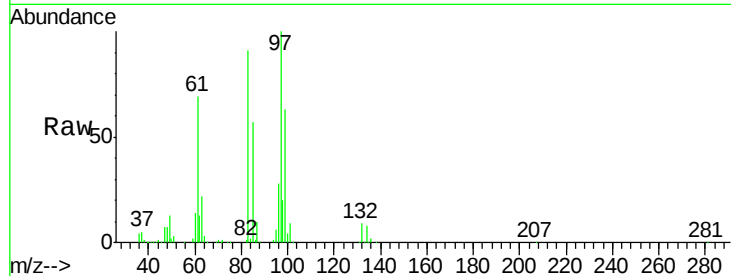




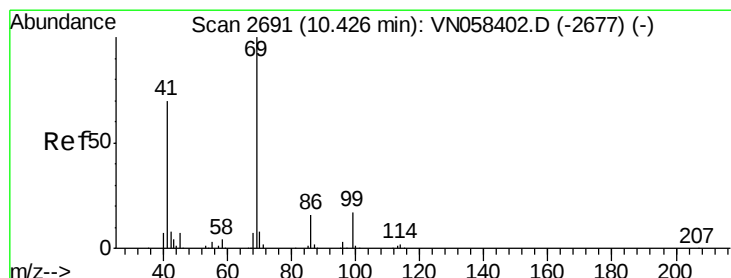
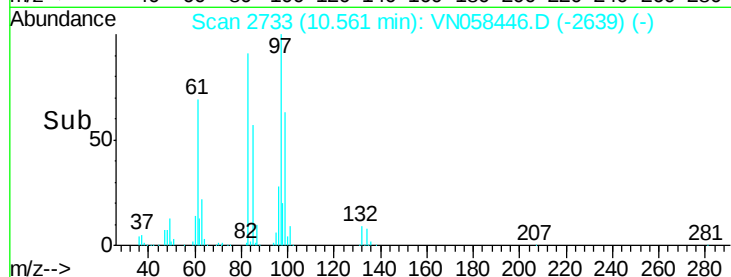
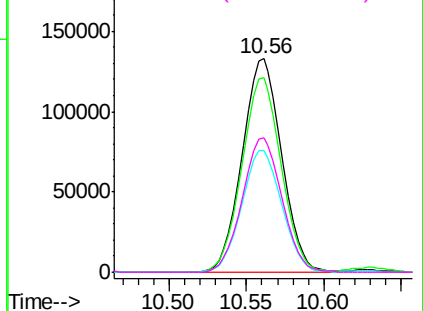
#55
 1,1,2-Trichloroethane
 Concen: 52.742 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion: 97 Resp: 235987
 Ion Ratio Lower Upper
 97 100
 83 91.3 71.8 107.6
 85 57.2 46.6 69.8
 99 62.7 51.5 77.3

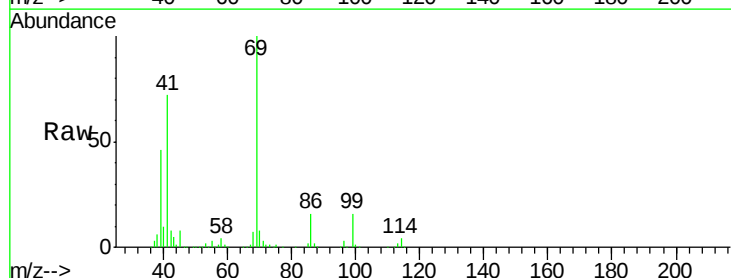


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

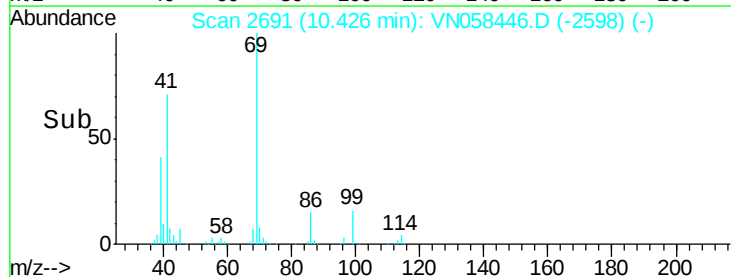
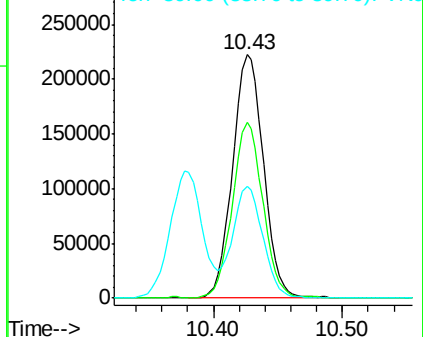


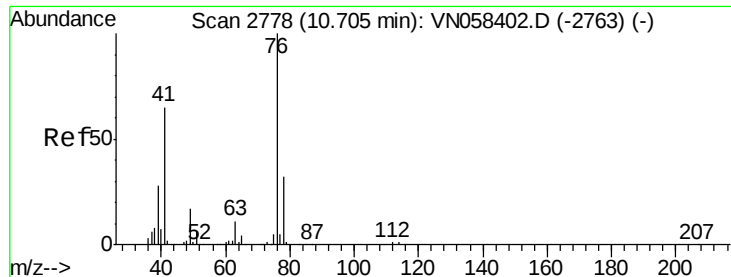
#56
 Ethyl methacrylate
 Concen: 54.550 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 69 Resp: 370368
 Ion Ratio Lower Upper
 69 100
 41 70.5 56.3 84.5
 39 44.7 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

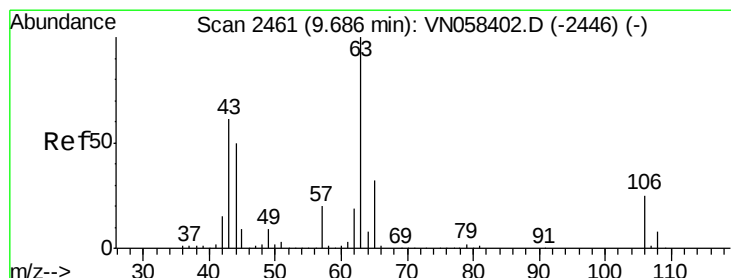
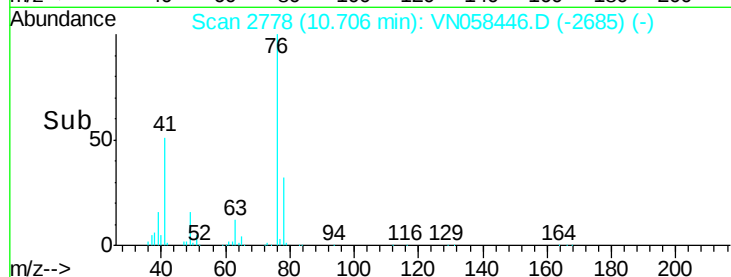
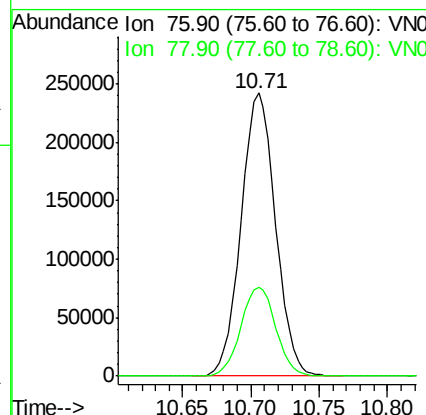
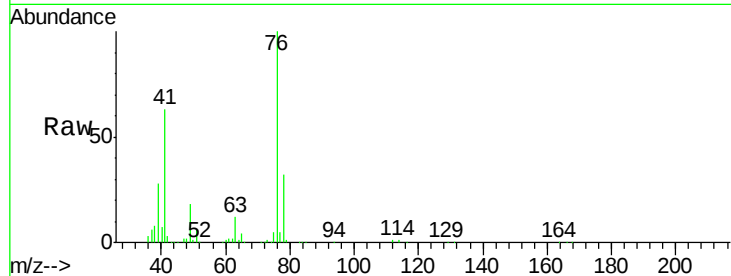




#57
 1,3-Dichloropropane
 Concen: 53.184 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

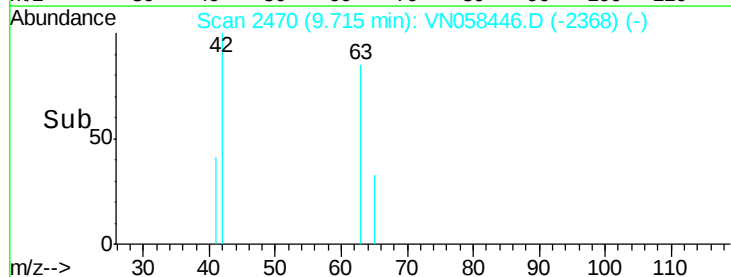
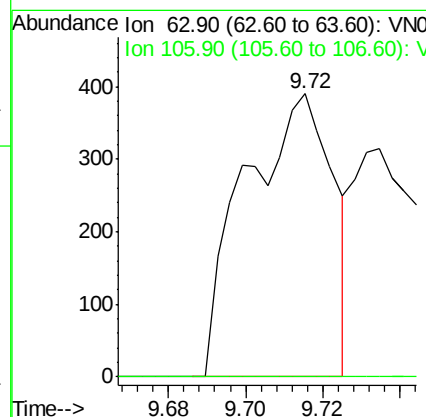
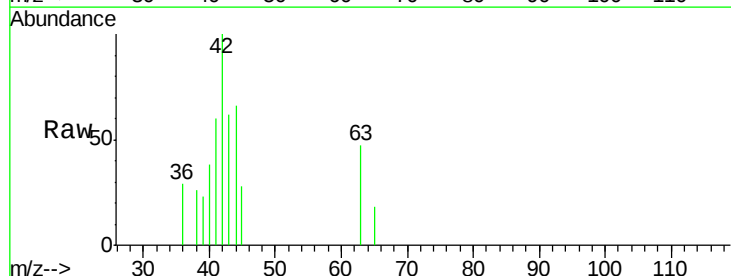
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

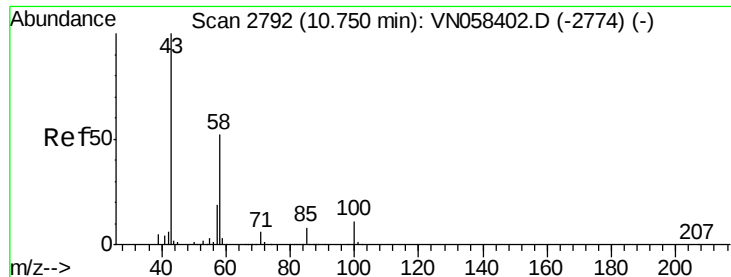
Tot Ion: 76 Resp: 424460
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.227 ug/l
 RT: 9.72 min Scan# 2470
 Delta R.T. 0.03 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 63 Resp: 615
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.3 30.5#

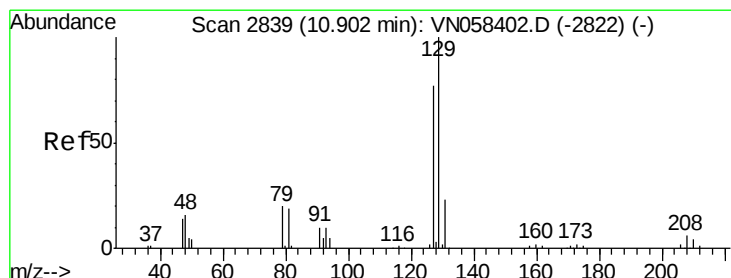
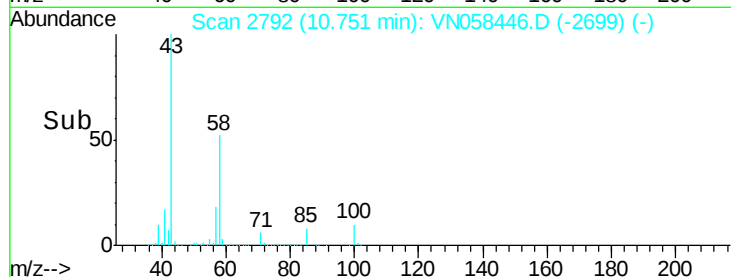
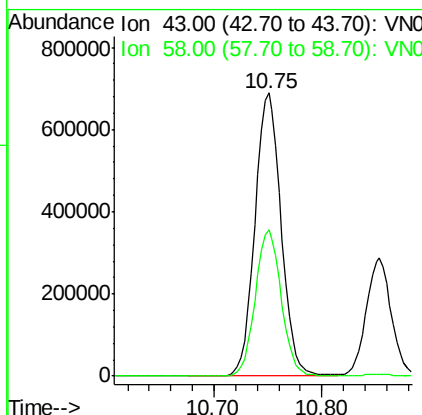
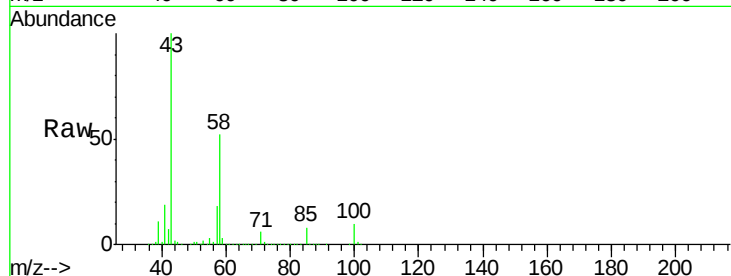




#59
2-Hexanone
Concen: 285.254 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

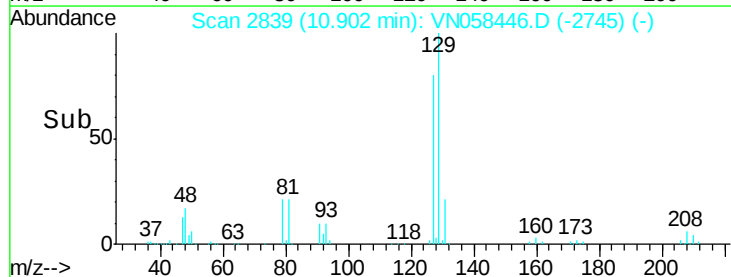
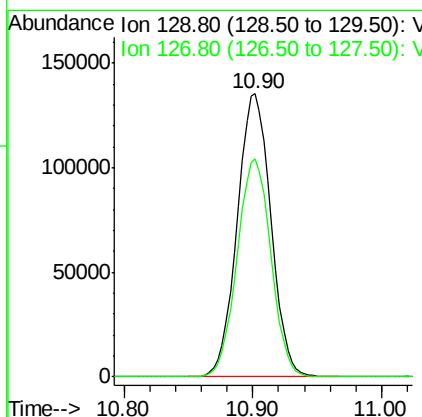
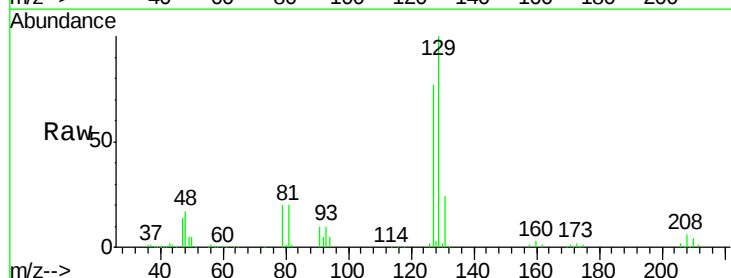
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

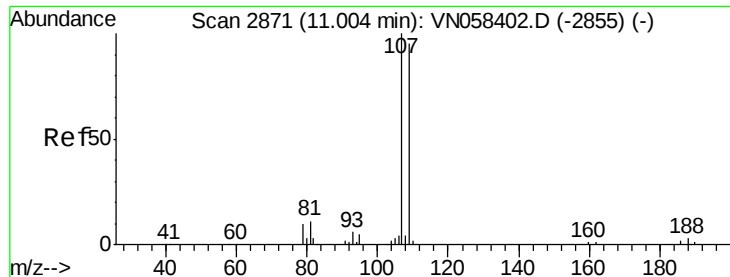
Tot Ion: 43 Resp: 1155307
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3



#60
Dibromochloromethane
Concen: 53.237 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 129 Resp: 246504
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.721 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

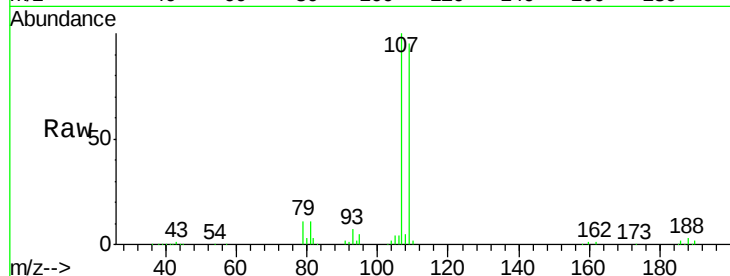
SA-MW184S-20190924MSD

Tot Ion: 107 Resp: 245609

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

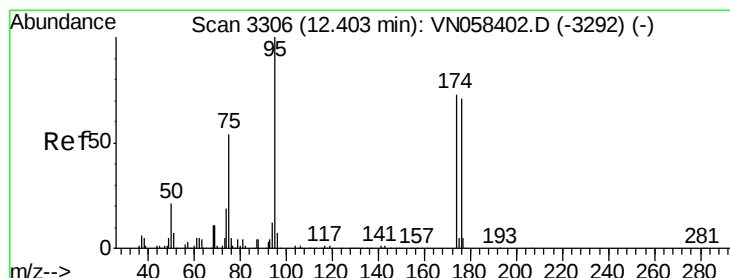
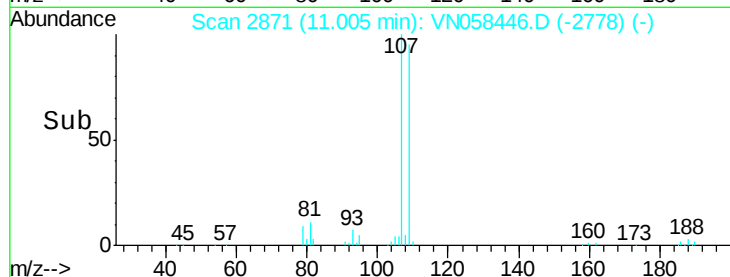
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.122 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

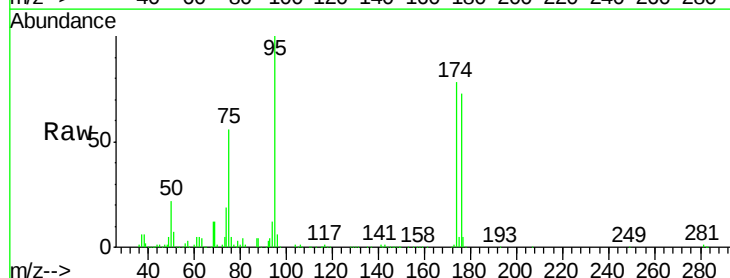
Tgt Ion: 95 Resp: 327571

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

176 72.4 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

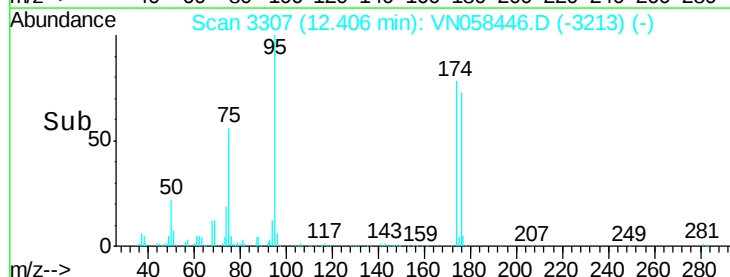
150000

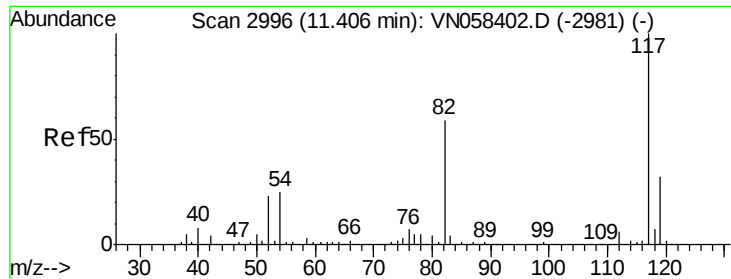
100000

50000

0

Time--> 12.35 12.40 12.45

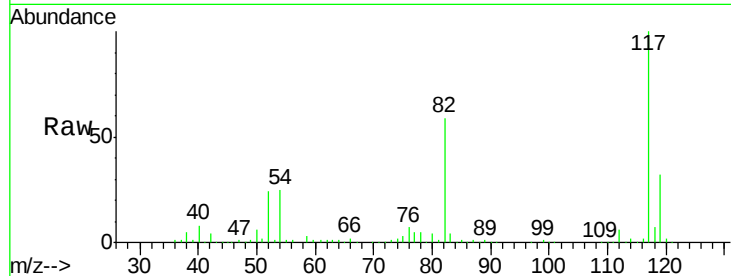




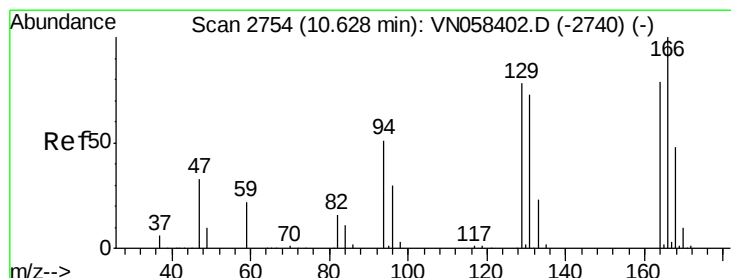
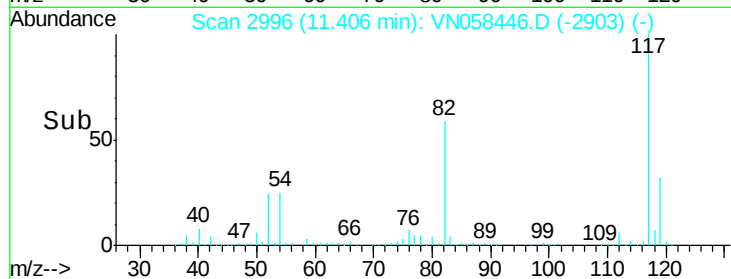
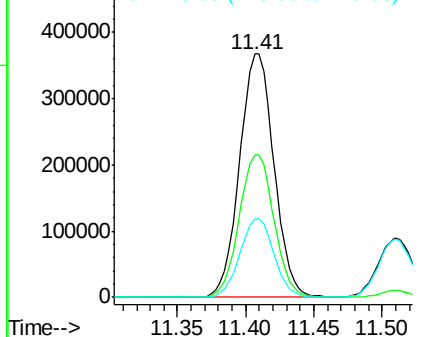
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion:117 Resp: 643726
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.0
119 32.2 25.5 38.3



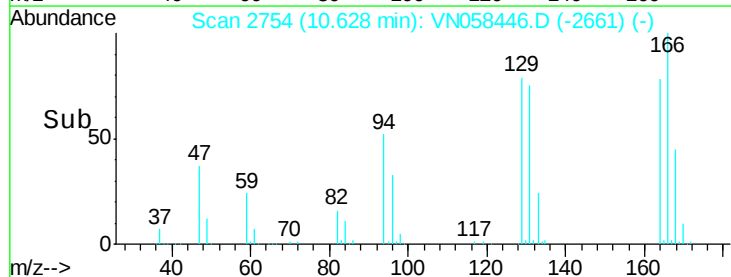
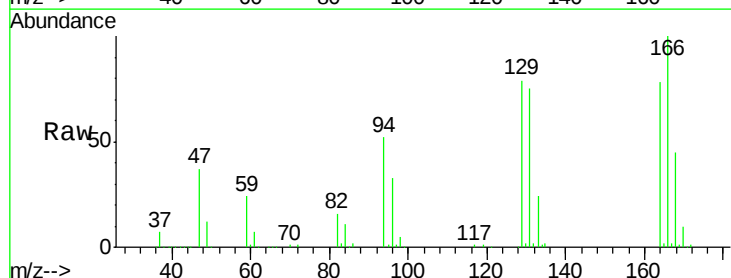
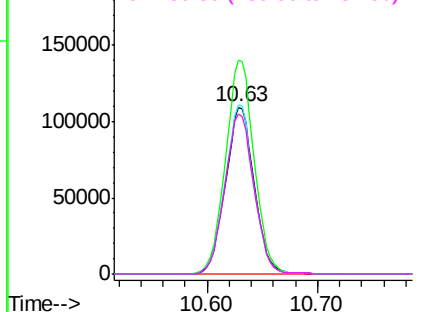
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

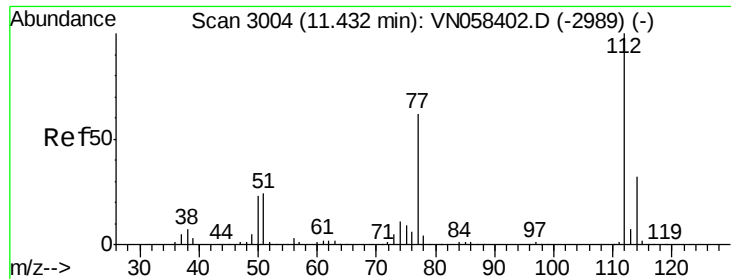


#64
Tetrachloroethene
Concen: 48.369 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:164 Resp: 197820
Ion Ratio Lower Upper
164 100
166 128.0 101.1 151.7
129 101.6 79.2 118.8
131 96.3 74.1 111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

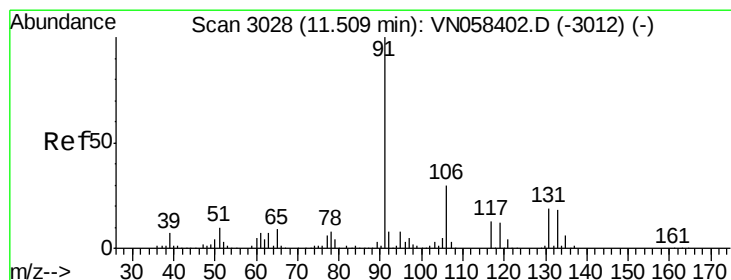
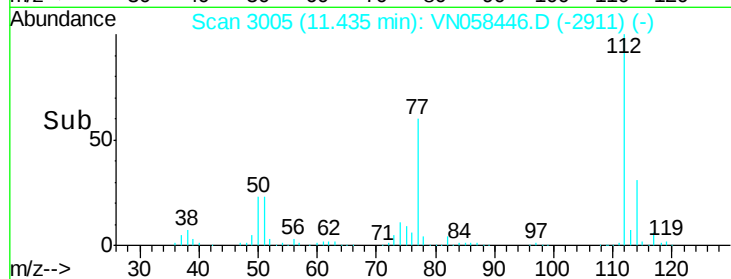
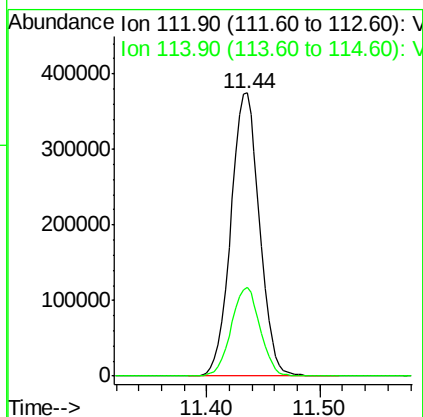
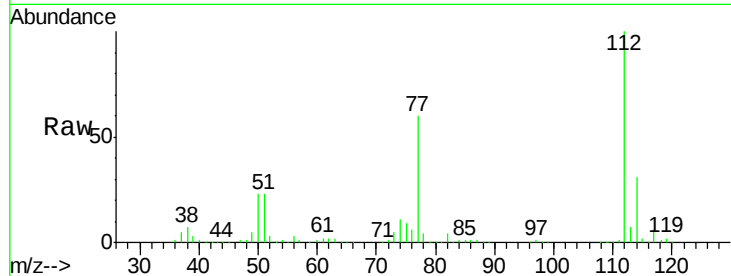




#65
Chlorobenzene
Concen: 51.462 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

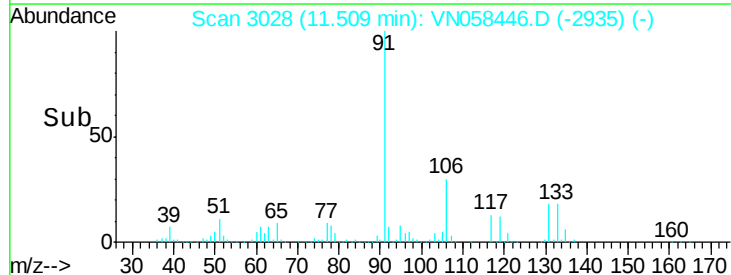
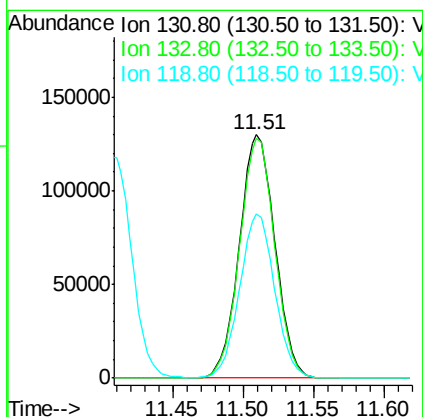
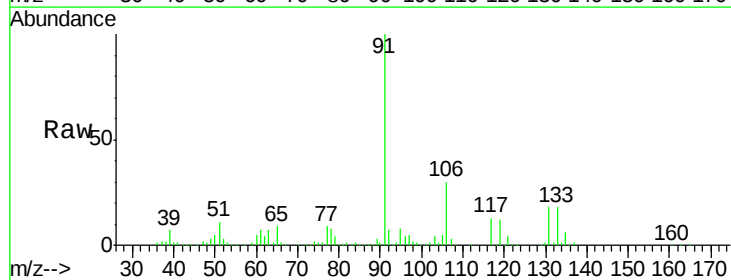
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

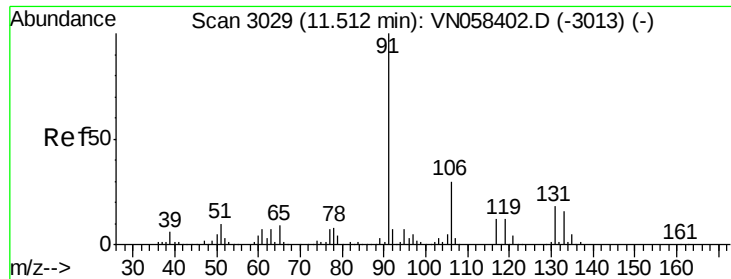
Tot Ion:112 Resp: 658500
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.430 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:131 Resp: 230346
Ion Ratio Lower Upper
131 100
133 97.0 47.8 143.3
119 66.4 33.0 99.0

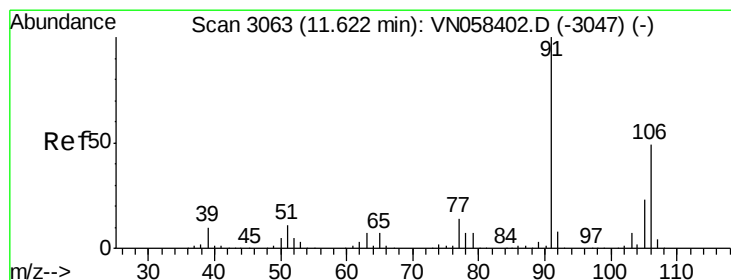
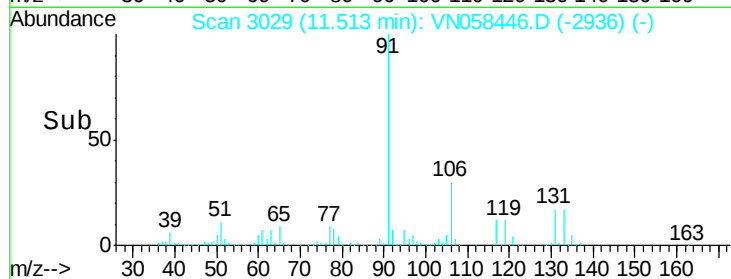
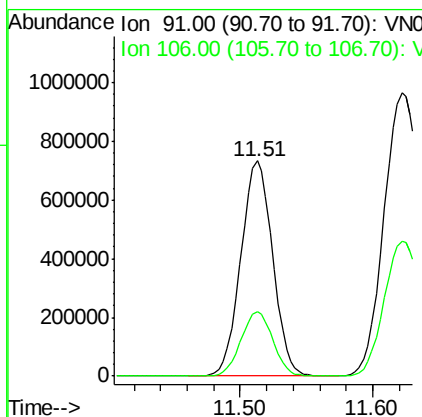
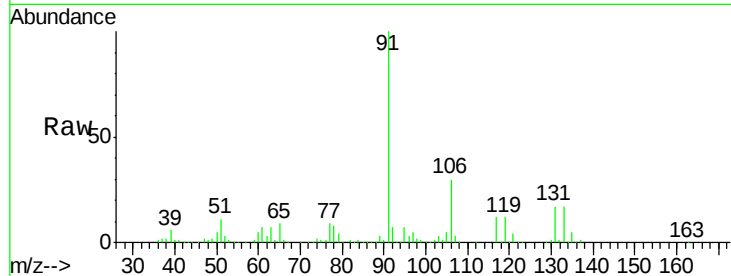




#67
Ethyl Benzene
Concen: 52.715 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

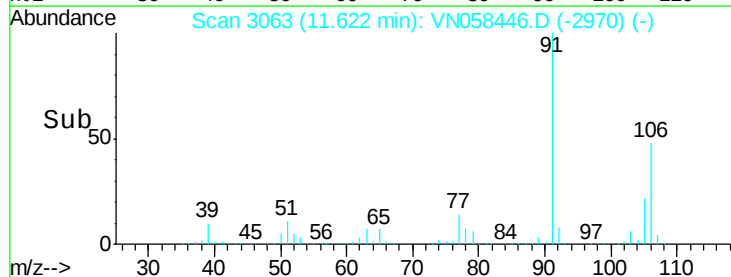
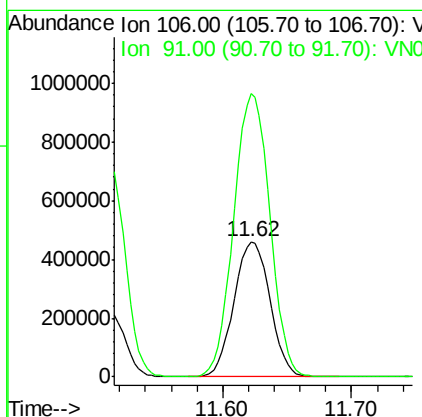
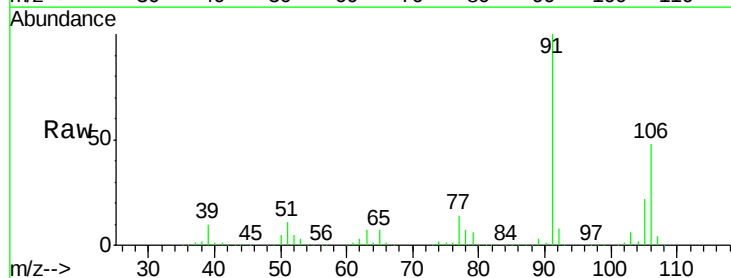
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

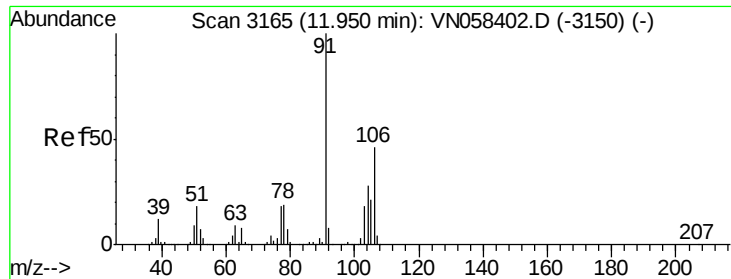
Tot Ion: 91 Resp: 1221767
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 102.588 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:106 Resp: 894580
Ion Ratio Lower Upper
106 100
91 210.7 165.0 247.4

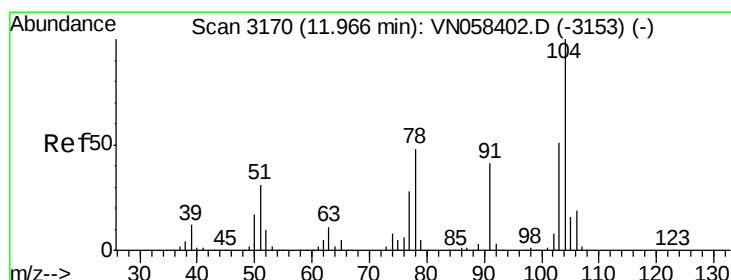
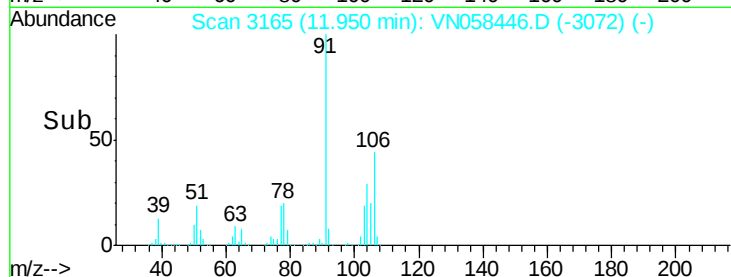
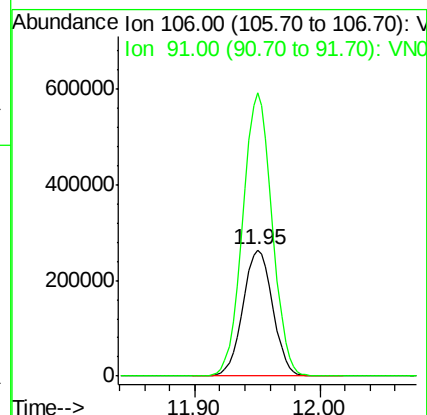
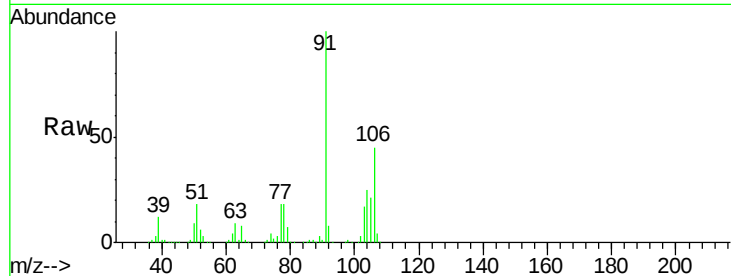




#69
o-Xylene
Concen: 51.768 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

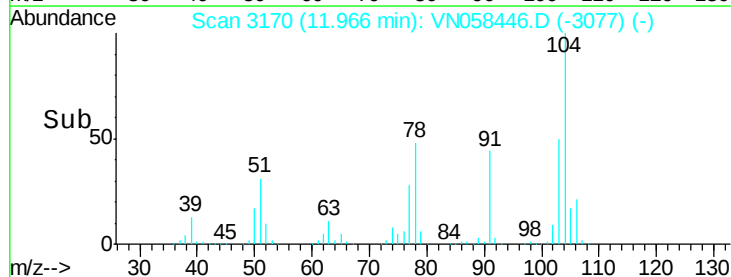
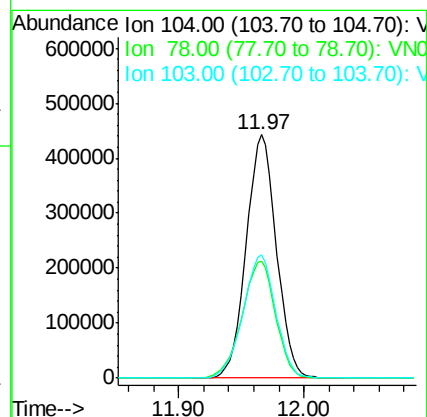
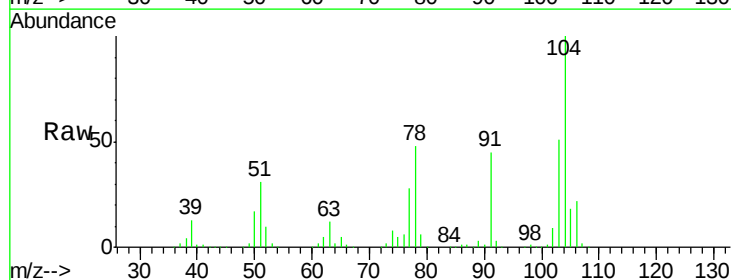
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

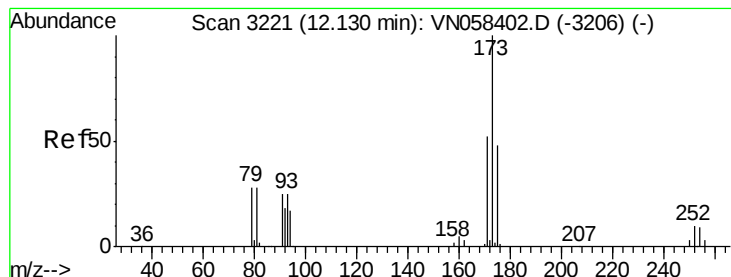
Tot Ion:106 Resp: 434556
Ion Ratio Lower Upper
106 100
91 221.1 109.1 327.4



#70
Styrene
Concen: 54.255 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:104 Resp: 739879
Ion Ratio Lower Upper
104 100
78 53.2 42.8 64.2
103 54.7 43.7 65.5





#71

Bromoform

Concen: 52.663 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

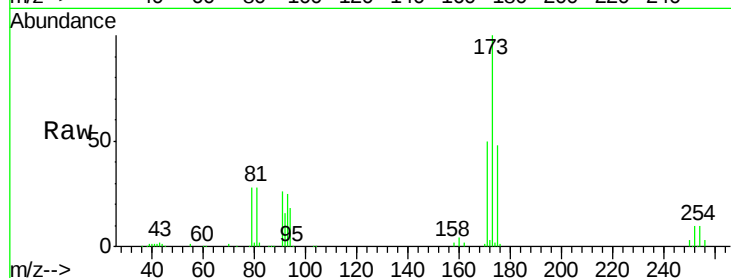
Tot Ion:173 Resp: 157012

Ion Ratio Lower Upper

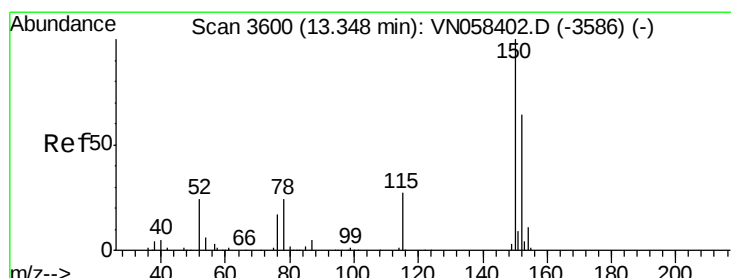
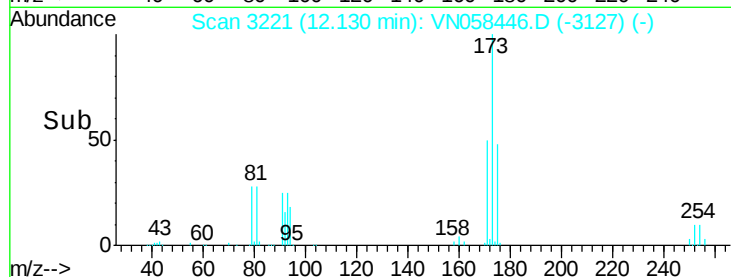
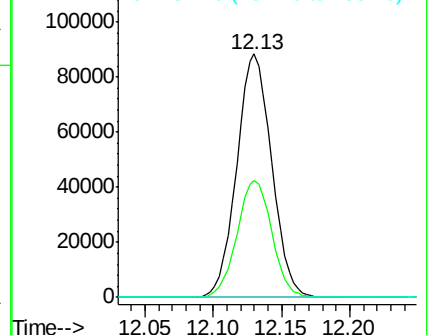
173 100

175 47.8 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: VN058446.D

Acq: 30 Sep 2019 19:14

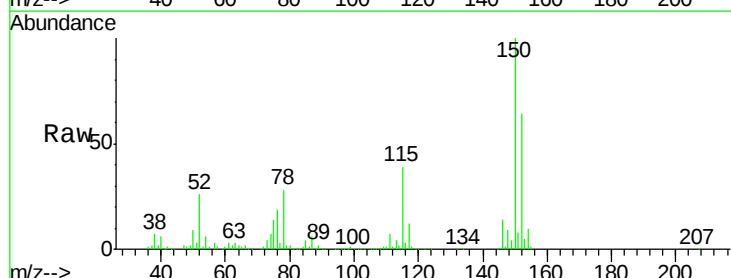
Tgt Ion:152 Resp: 317370

Ion Ratio Lower Upper

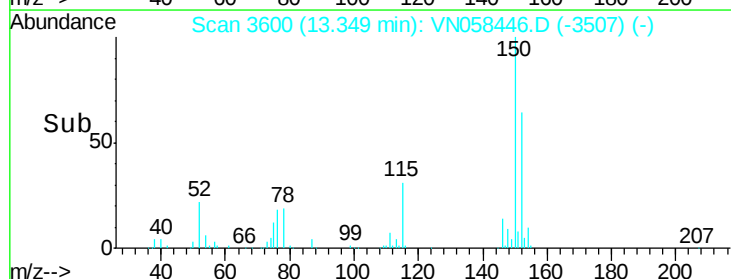
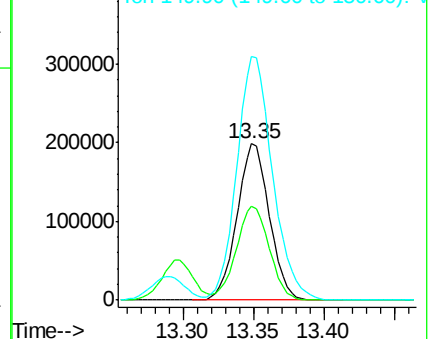
152 100

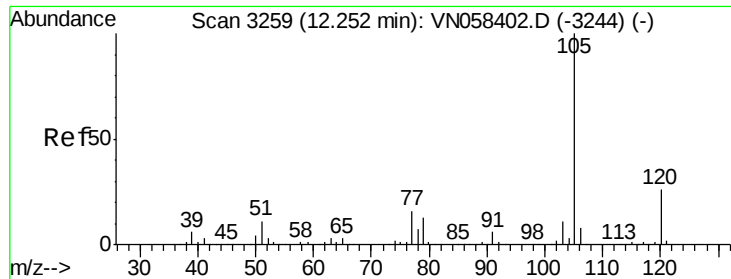
115 61.5 30.0 90.0

150 172.9 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: 50.884 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

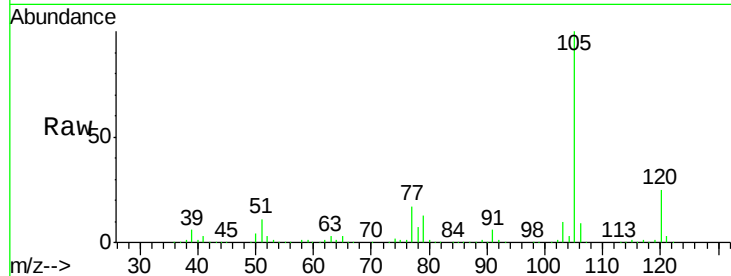
SA-MW184S-20190924MSD

Tot Ion: 105 Resp: 1193448

Ion Ratio Lower Upper

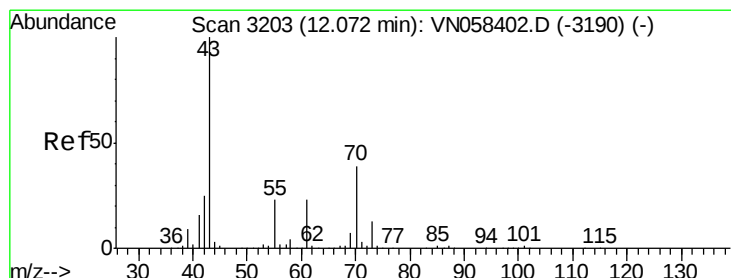
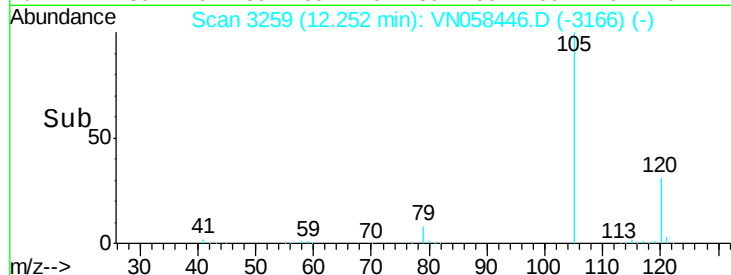
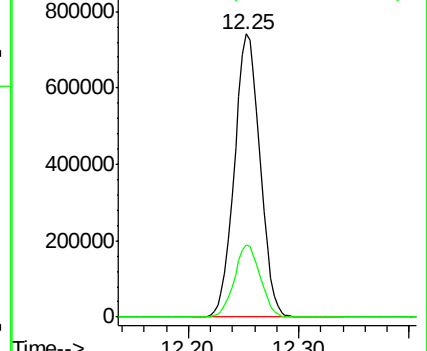
105 100

120 25.6 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: 50.987 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Tgt Ion: 43 Resp: 475751

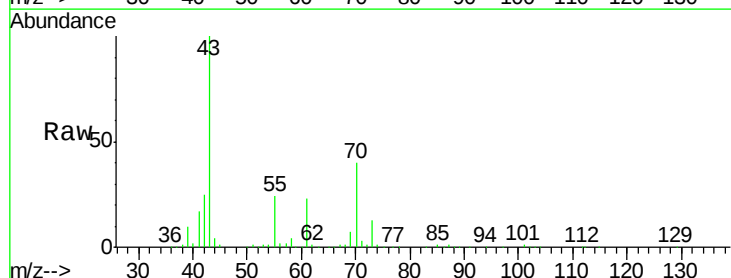
Ion Ratio Lower Upper

43 100

70 39.1 31.4 47.2

55 23.7 18.2 27.4

61 22.8 18.3 27.5

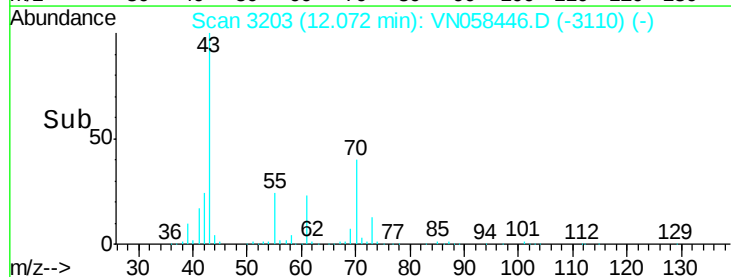
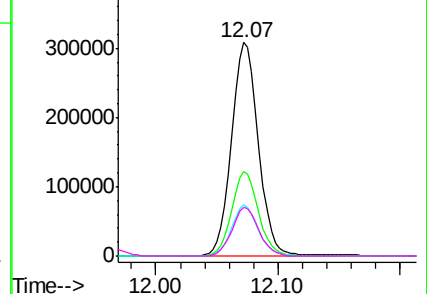


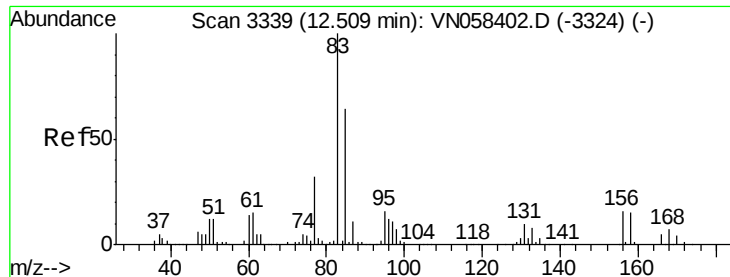
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.237 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

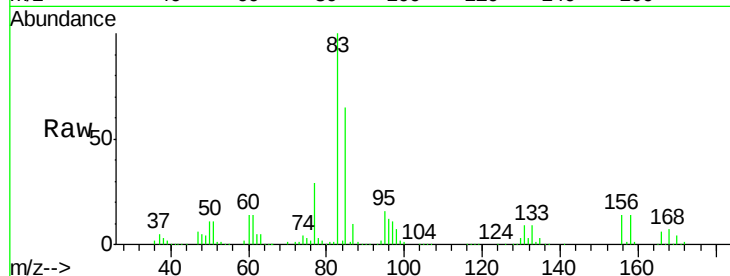
Tot Ion: 83 Resp: 348421

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

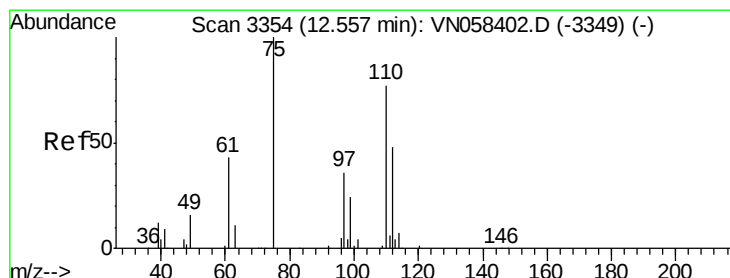
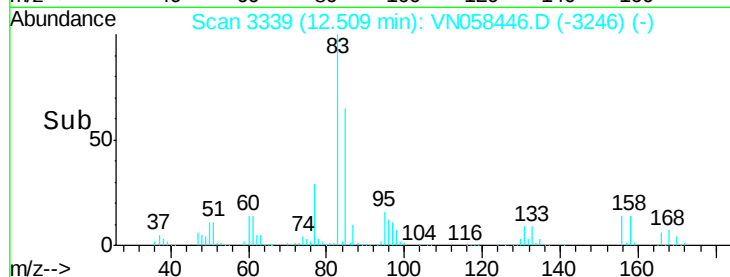
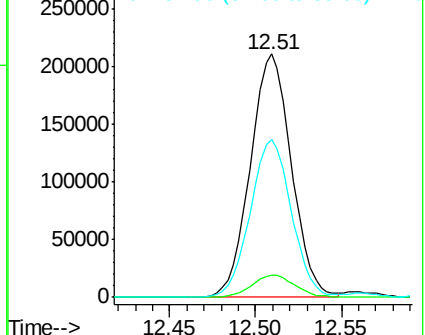
85 65.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 75.528 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058446.D

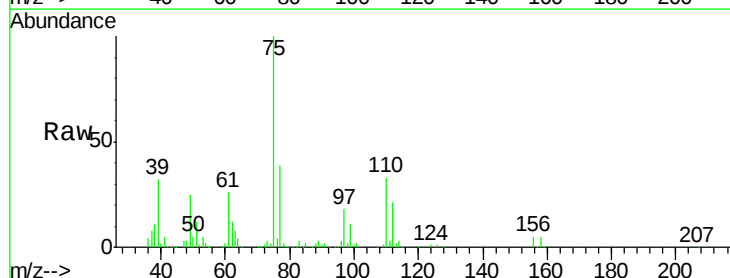
Acq: 30 Sep 2019 19:14

Tgt Ion: 75 Resp: 437819

Ion Ratio Lower Upper

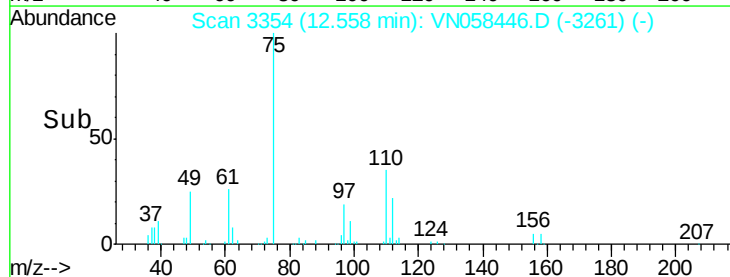
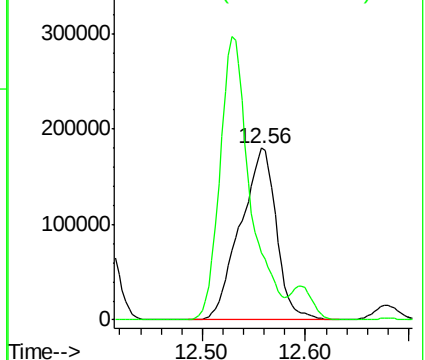
75 100

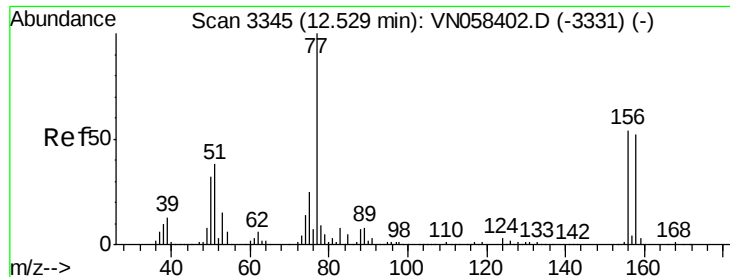
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.273 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

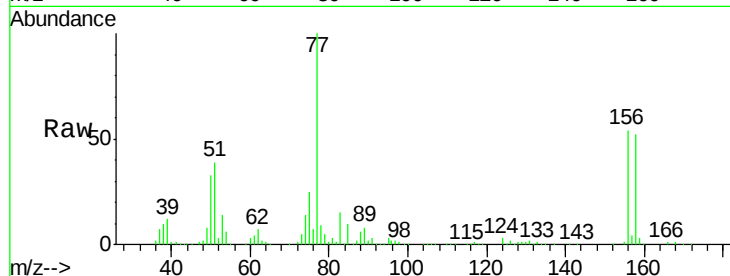
Tot Ion:156 Resp: 270981

Ion Ratio Lower Upper

156 100

77 223.3 110.0 330.0

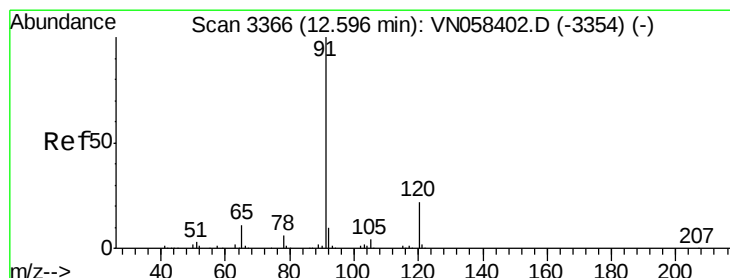
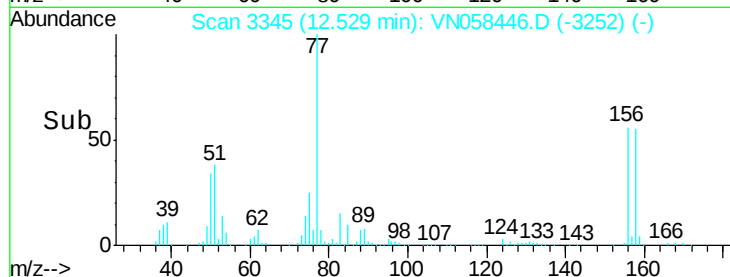
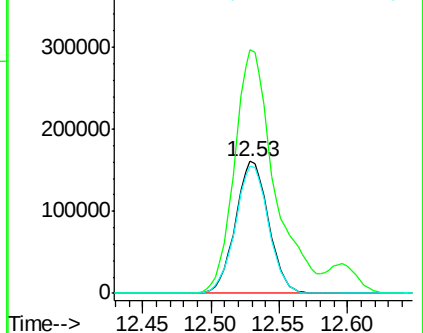
158 96.9 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.070 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058446.D

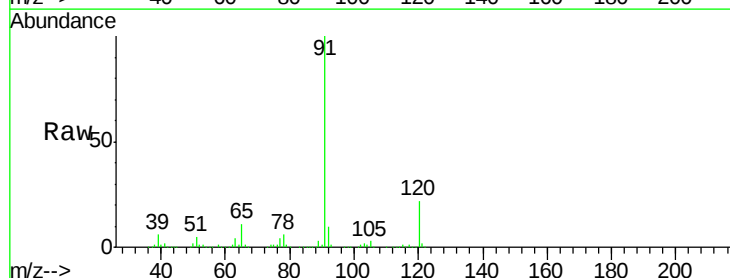
Acq: 30 Sep 2019 19:14

Tgt Ion: 91 Resp: 1402320

Ion Ratio Lower Upper

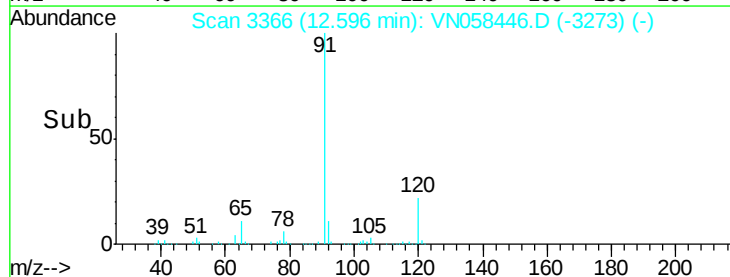
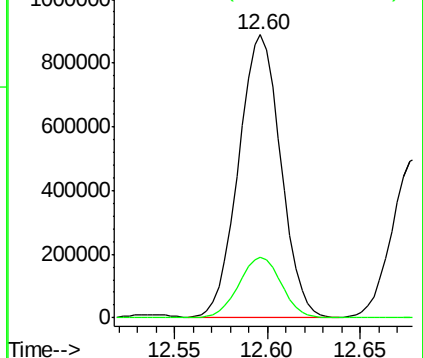
91 100

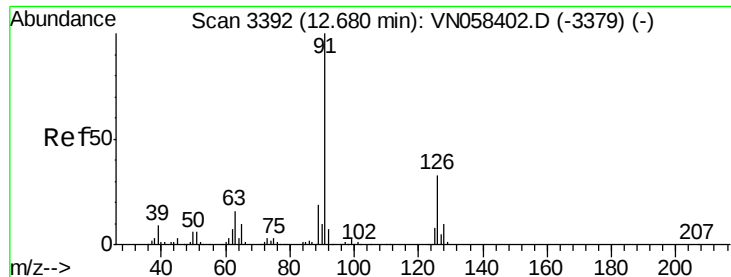
120 21.7 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.403 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

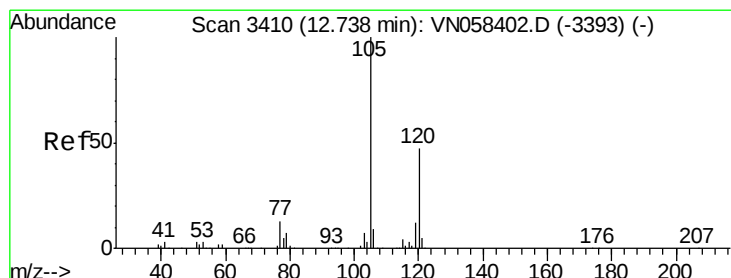
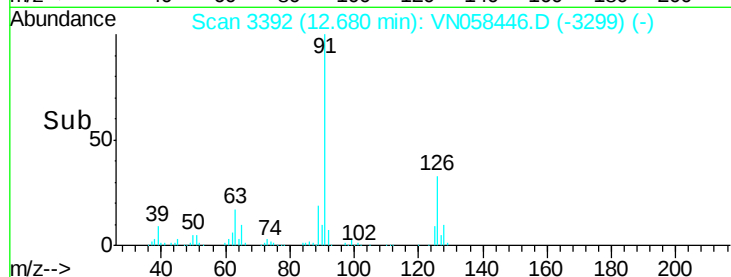
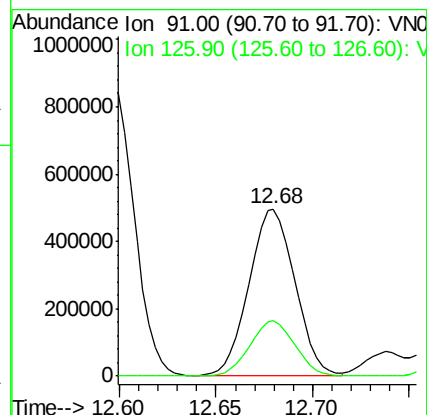
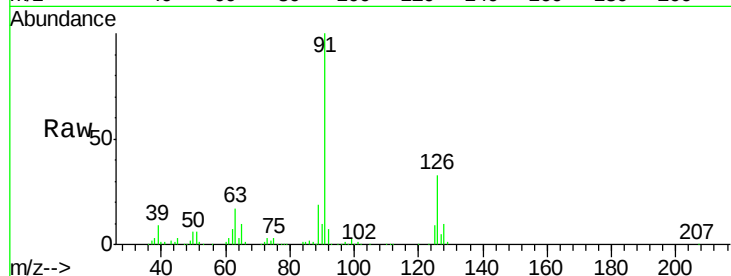
SA-MW184S-20190924MSD

Tot Ion: 91 Resp: 822061

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 51.885 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058446.D

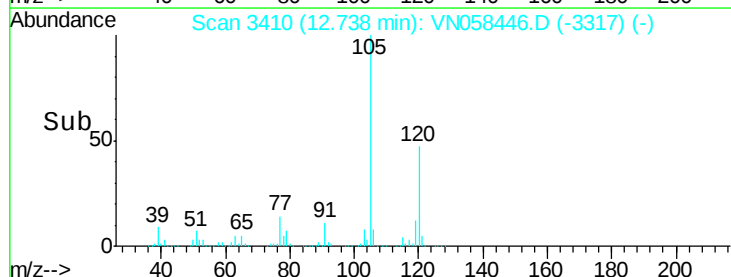
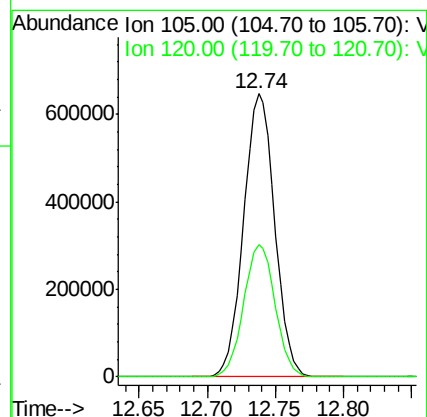
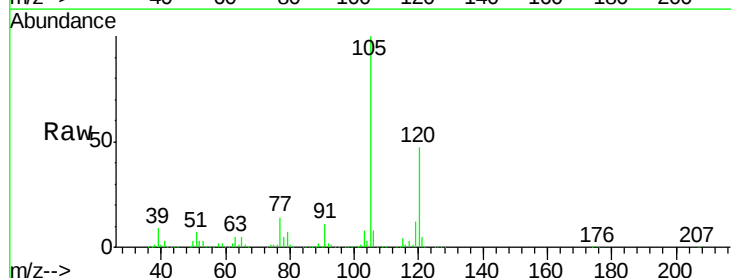
Acq: 30 Sep 2019 19:14

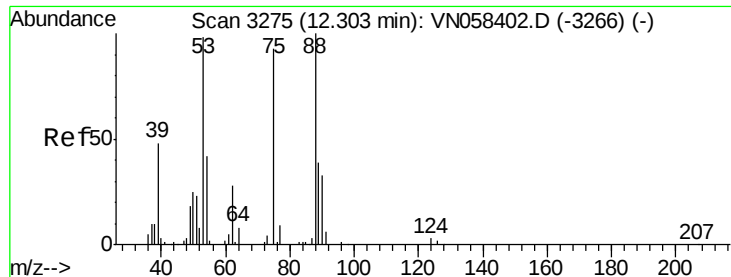
Tgt Ion: 105 Resp: 1018695

Ion Ratio Lower Upper

105 100

120 47.5 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.363 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

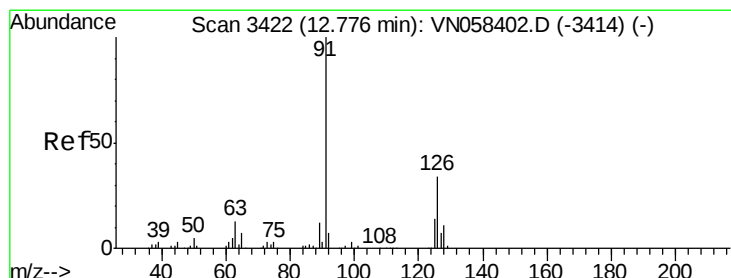
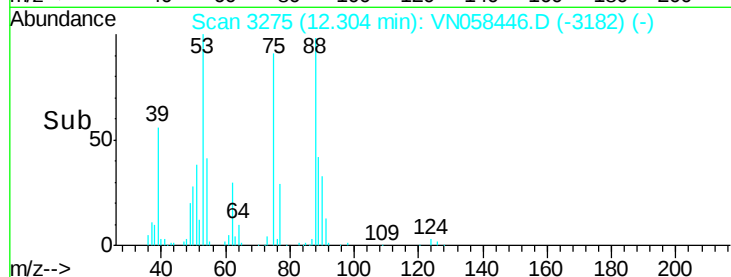
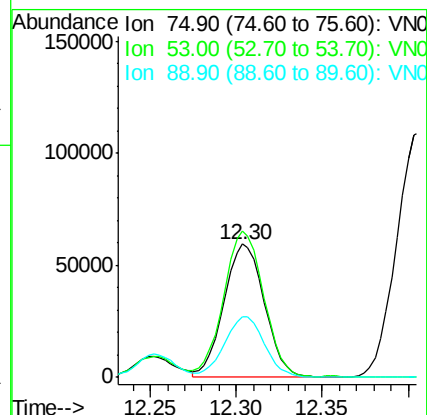
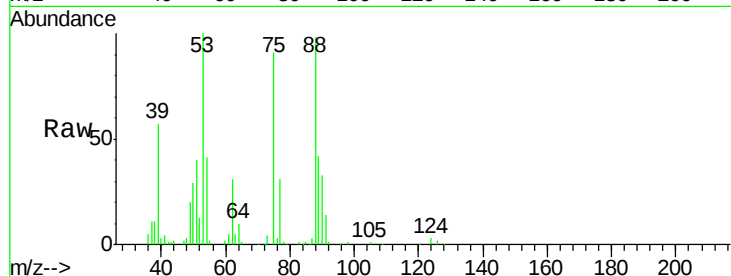
Tot Ion: 75 Resp: 98033

Ion Ratio Lower Upper

75 100

53 107.5 85.4 128.0

89 44.9 35.0 52.4



#82

4-Chlorotoluene

Concen: 50.428 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058446.D

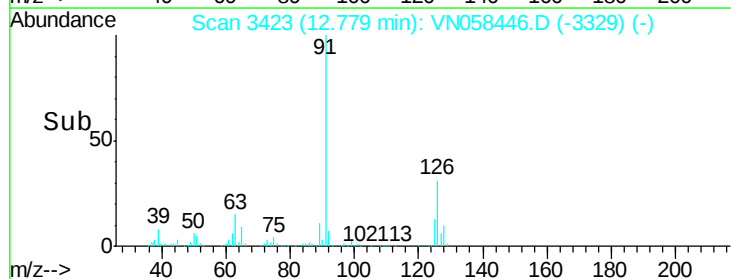
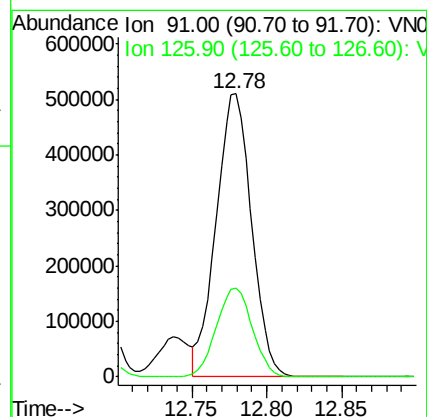
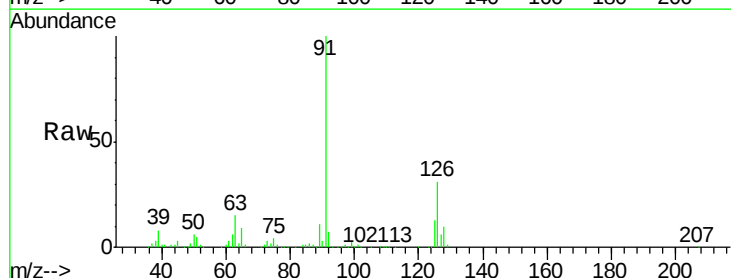
Acq: 30 Sep 2019 19:14

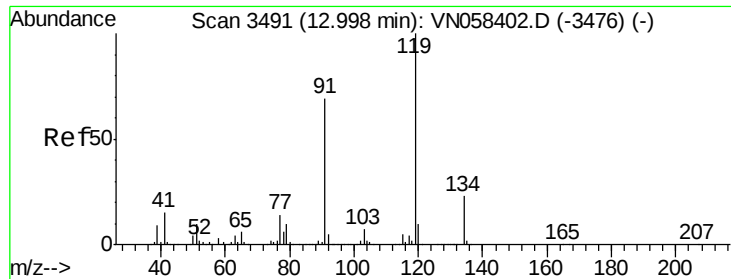
Tgt Ion: 91 Resp: 839250

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.7

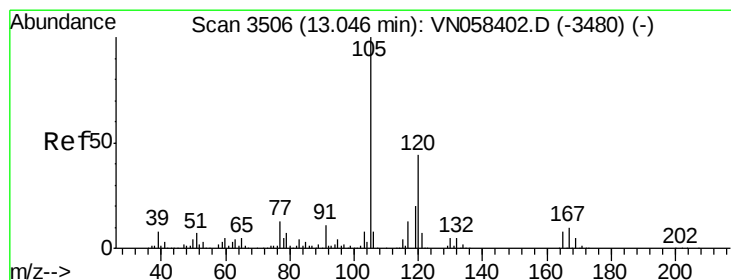
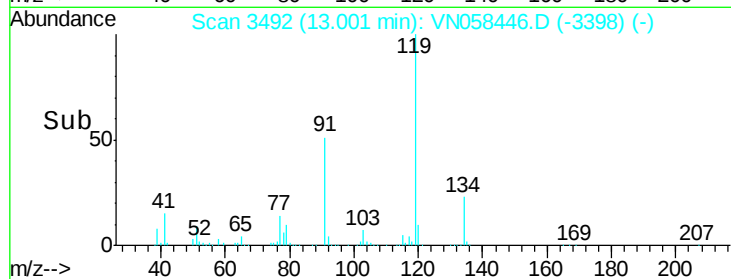
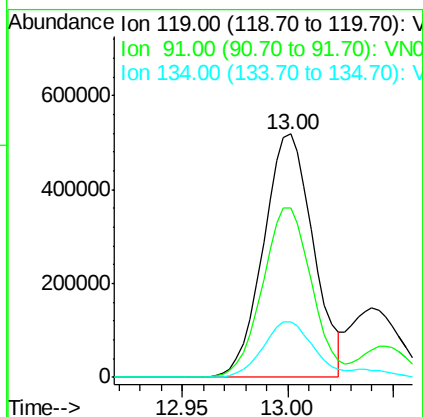
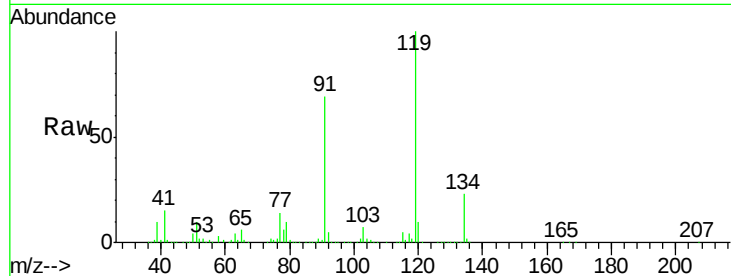




#83
tert-Butylbenzene
Concen: 51.350 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

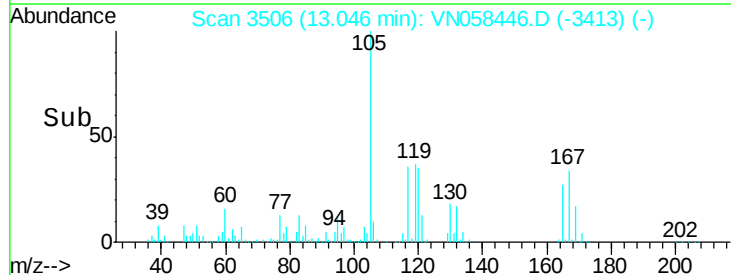
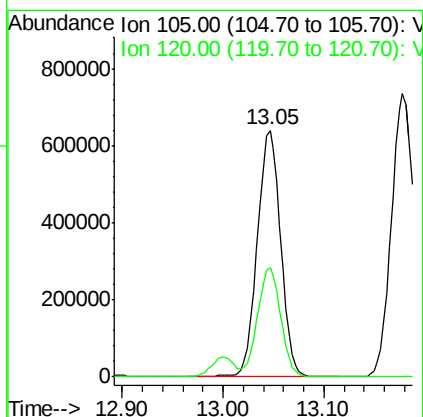
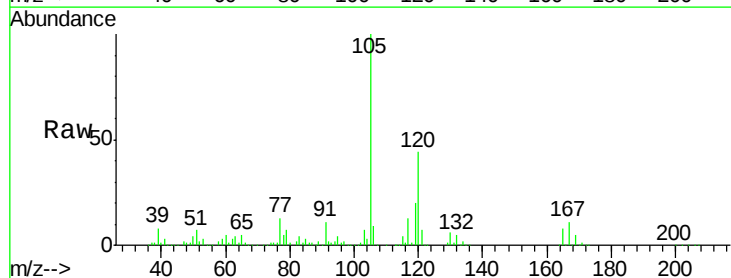
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

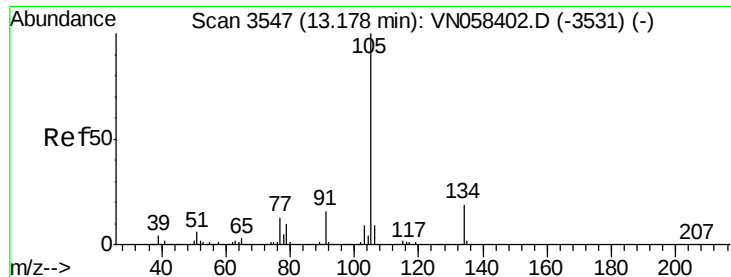
Tot Ion:119 Resp: 850727
Ion Ratio Lower Upper
119 100
91 68.6 34.2 102.6
134 23.5 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 52.062 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:105 Resp: 1024111
Ion Ratio Lower Upper
105 100
120 43.8 21.7 65.1

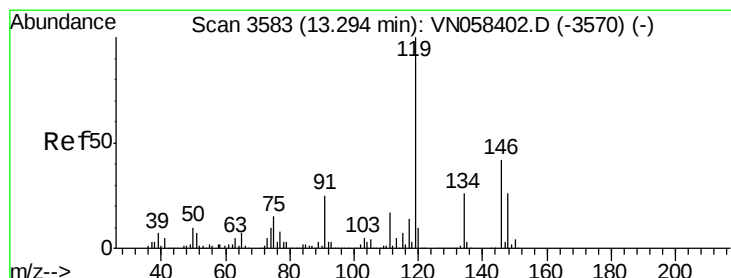
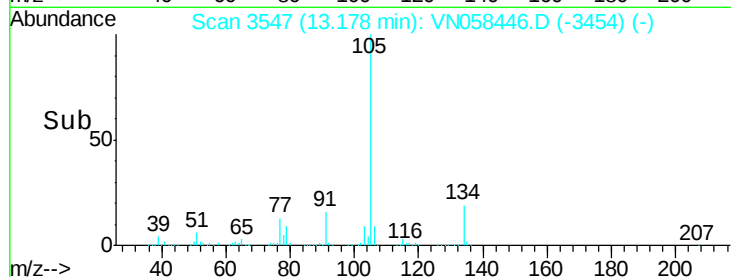
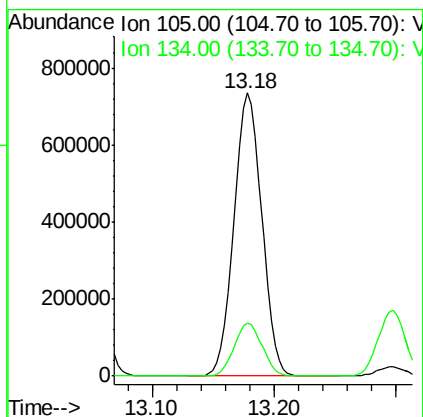
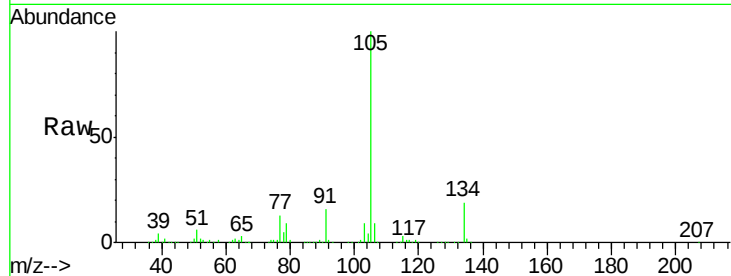




#85
 sec-Butylbenzene
 Concen: 53.347 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

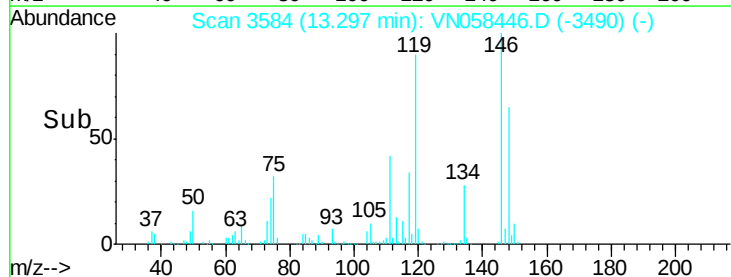
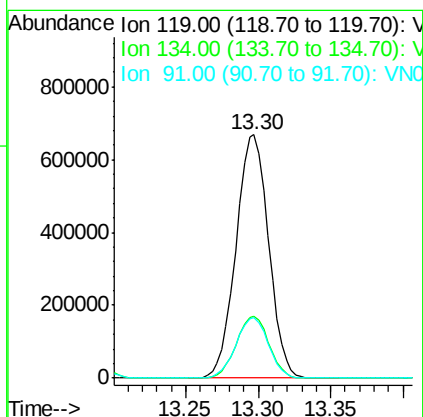
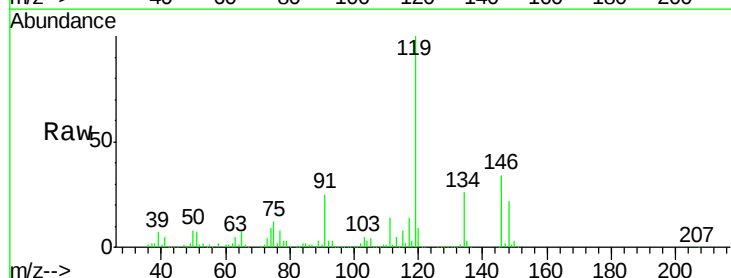
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

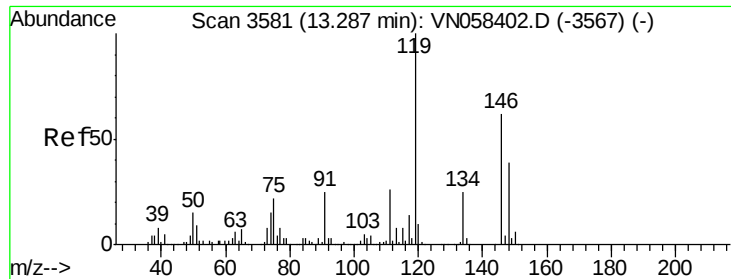
Tot Ion:105 Resp: 1163277
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 54.168 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion:119 Resp: 1039731
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 24.7 12.4 37.0

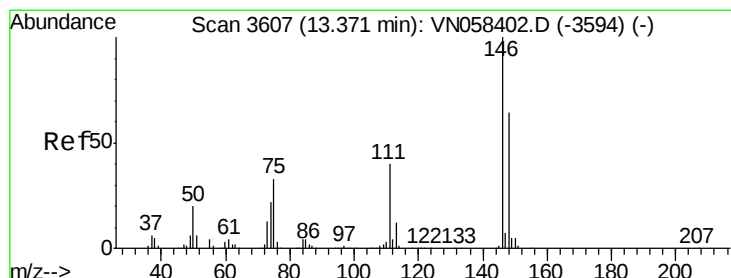
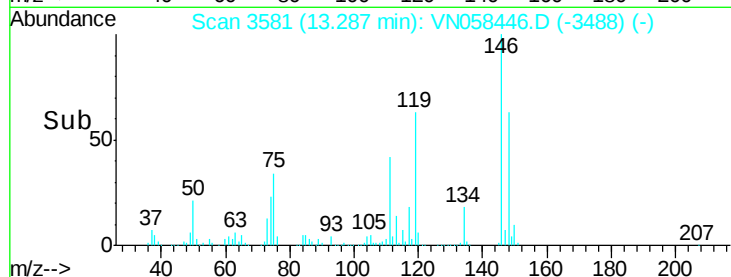
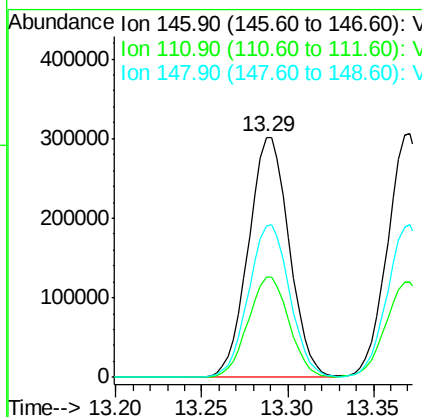
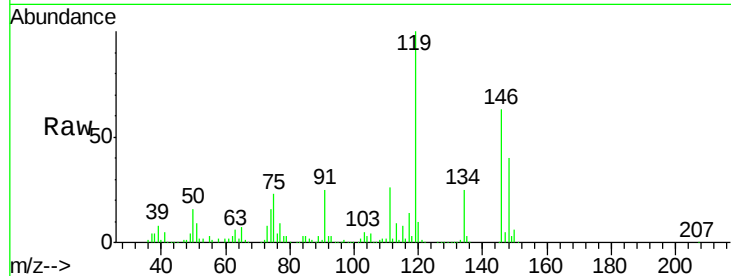




#87
 1,3-Dichlorobenzene
 Concen: 49.898 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

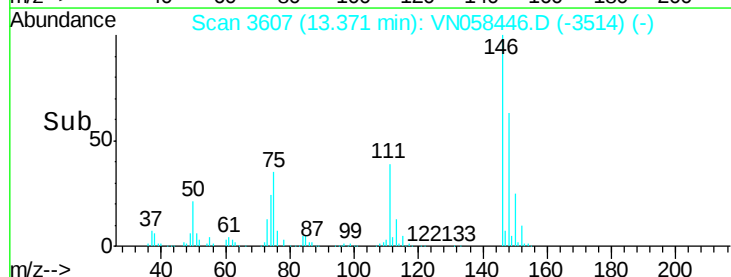
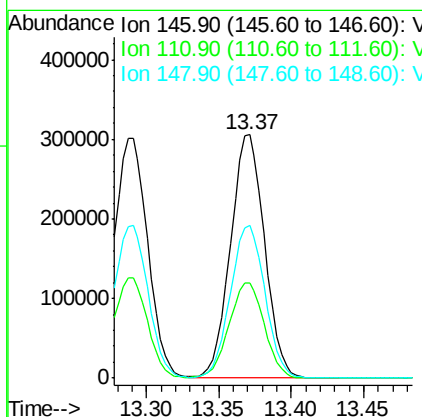
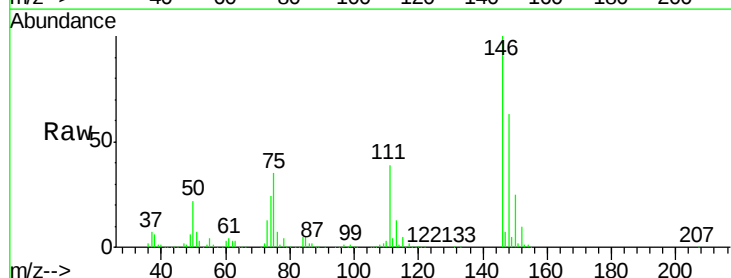
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

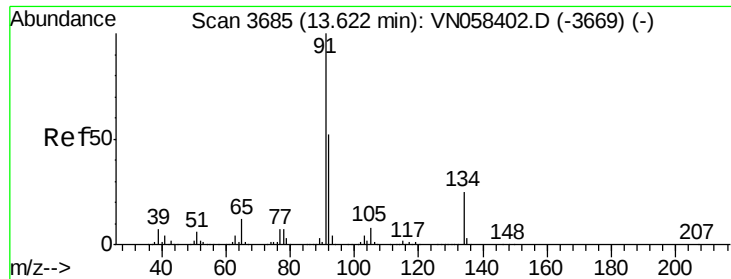
Tot Ion:146 Resp: 497588
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.4
 148 64.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 50.165 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion:146 Resp: 497711
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.5 61.6
 148 63.7 31.5 94.5





#89

n-Butylbenzene

Concen: 53.125 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

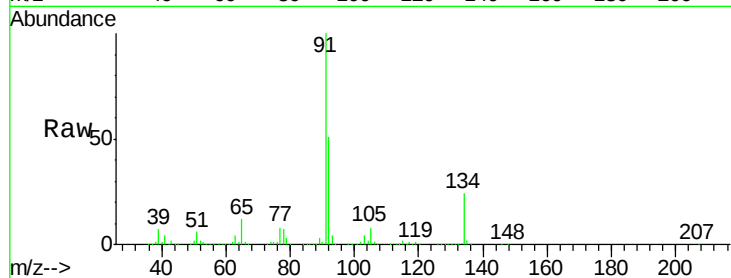
Tot Ion: 91 Resp: 923687

Ion Ratio Lower Upper

91 100

92 50.9 25.7 77.1

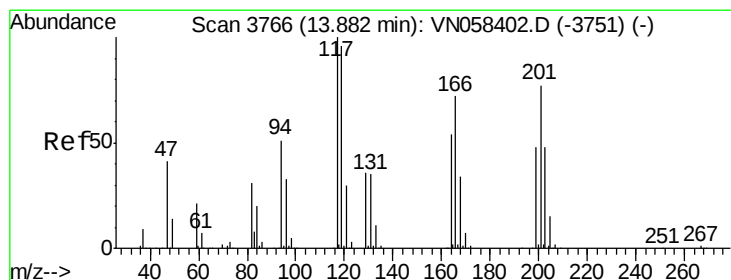
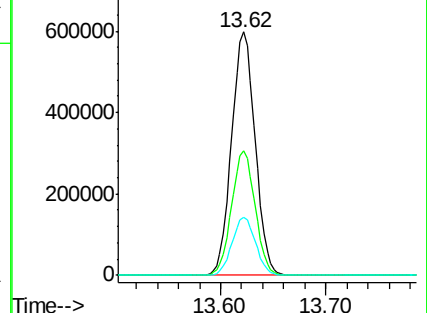
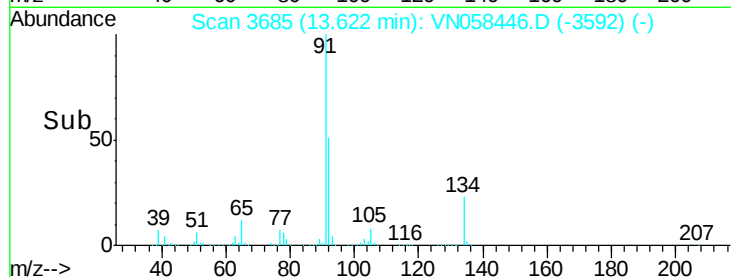
134 24.0 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058446.D (-3685) (-)

Ion 92.00 (91.70 to 92.70): VN058446.D (-3685) (-)

Ion 134.00 (133.70 to 134.70): VN058446.D (-3685) (-)



#90

Hexachloroethane

Concen: 57.657 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058446.D

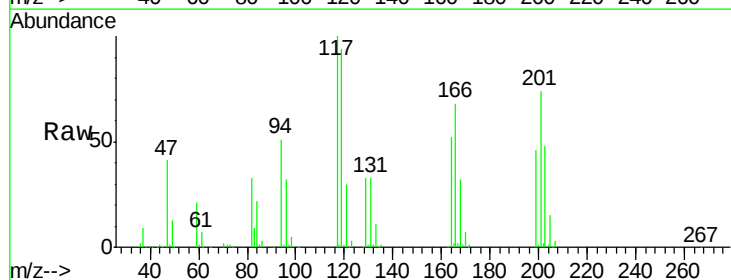
Acq: 30 Sep 2019 19:14

Tgt Ion: 117 Resp: 166278

Ion Ratio Lower Upper

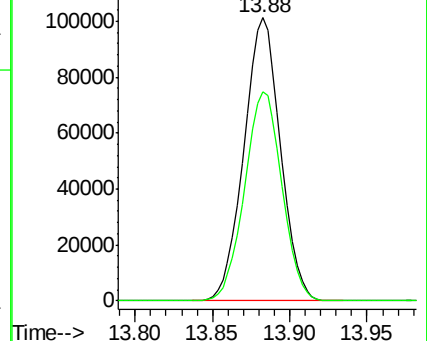
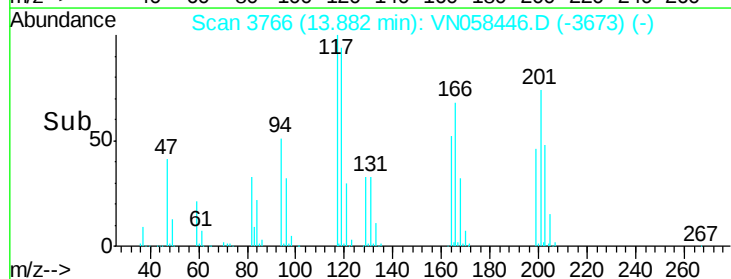
117 100

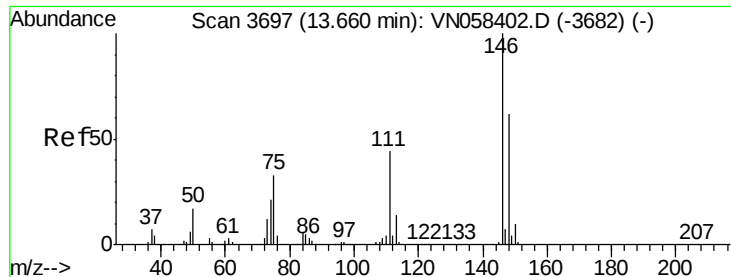
201 75.4 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058446.D (-3766) (-)

Ion 200.70 (200.40 to 201.40): VN058446.D (-3766) (-)





#91

1,2-Dichlorobenzene

Concen: 51.433 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

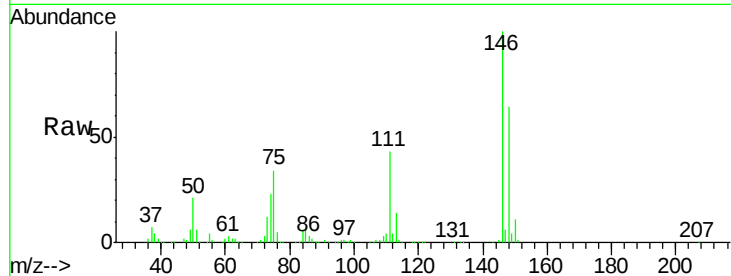
Tot Ion:146 Resp: 492809

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.3

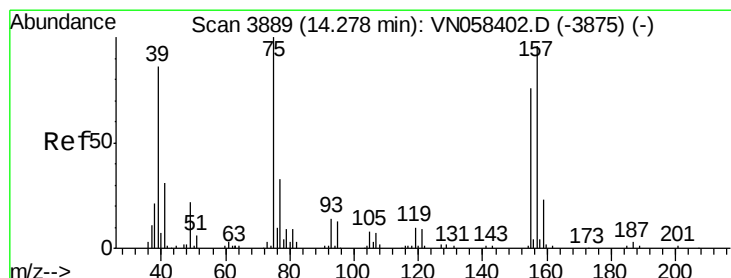
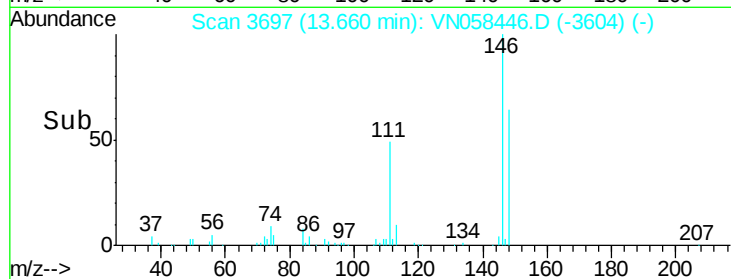
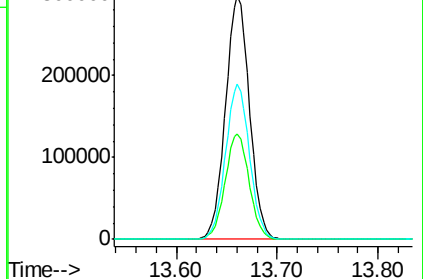
148 63.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.155 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

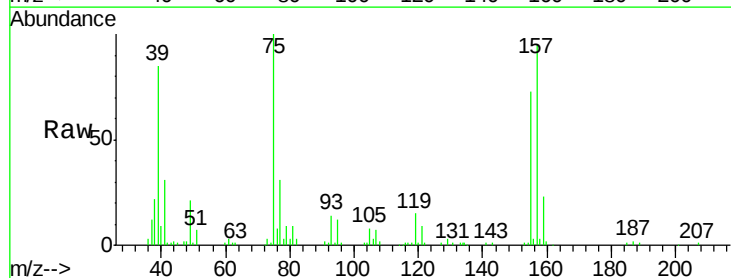
Tgt Ion: 75 Resp: 68680

Ion Ratio Lower Upper

75 100

155 72.9 39.2 117.6

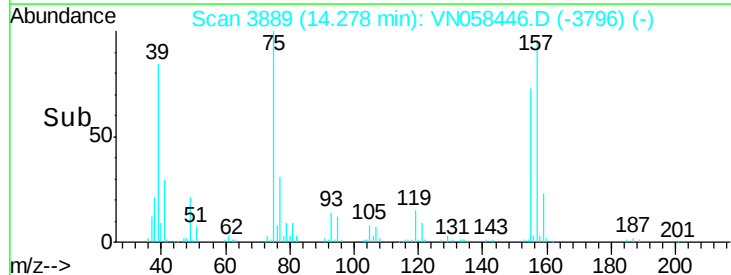
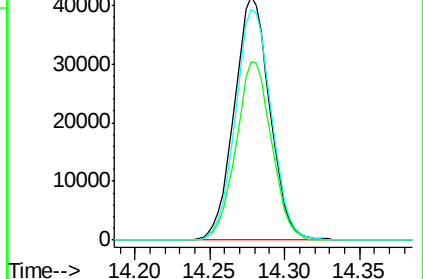
157 95.4 48.7 146.1

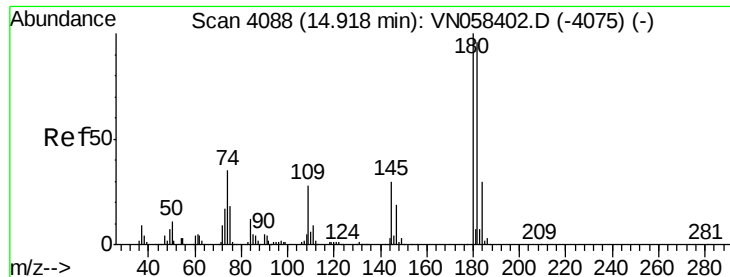


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

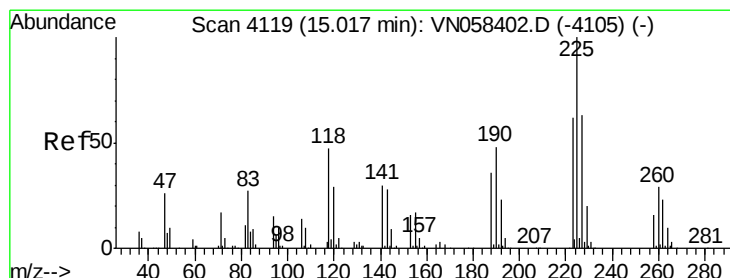
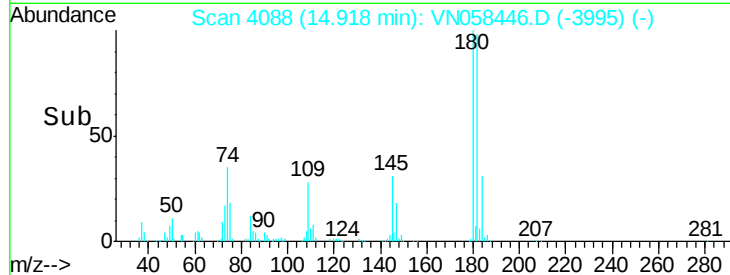
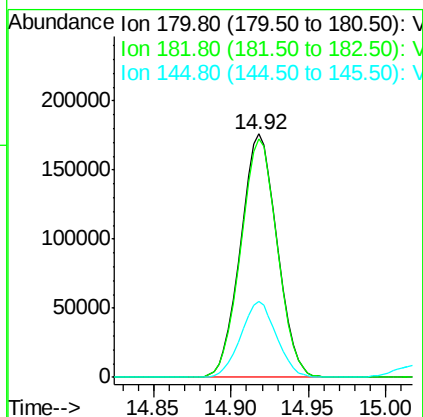
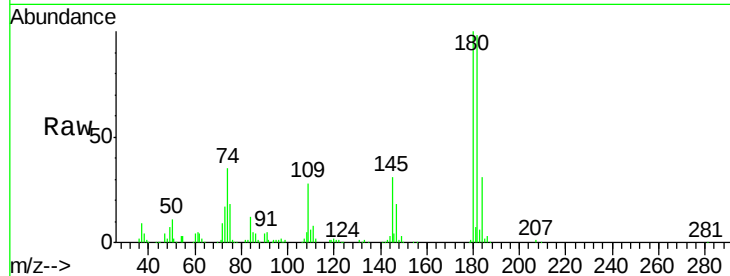




#93
 1,2,4-Trichlorobenzene
 Concen: 54.618 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

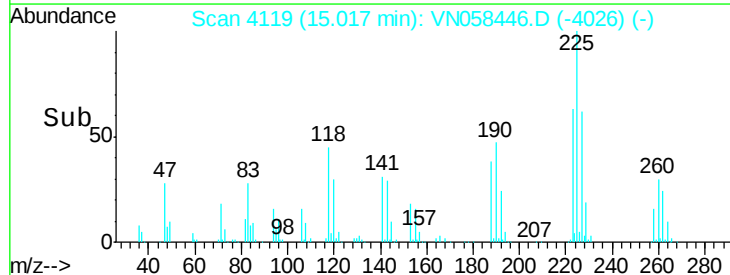
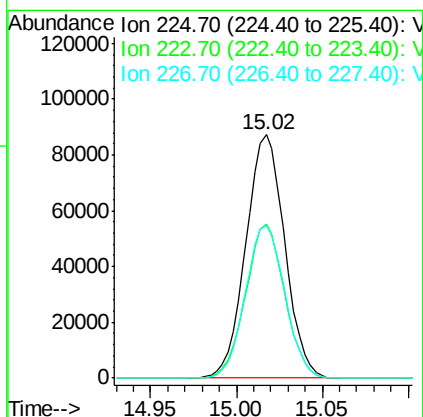
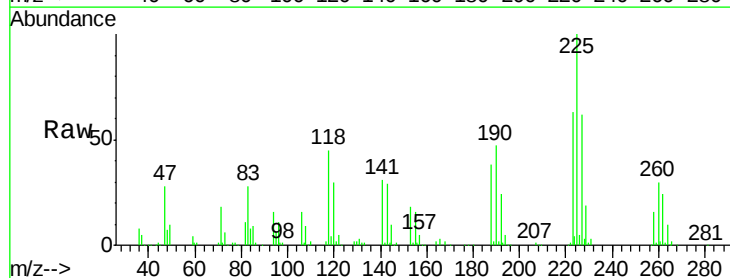
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

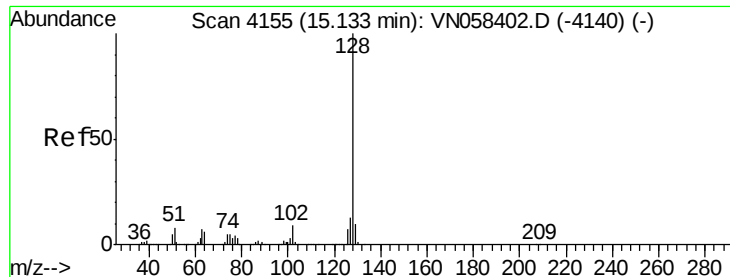
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.4	142.3
145	30.4	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 50.232 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.5
227	63.6	31.4	94.2

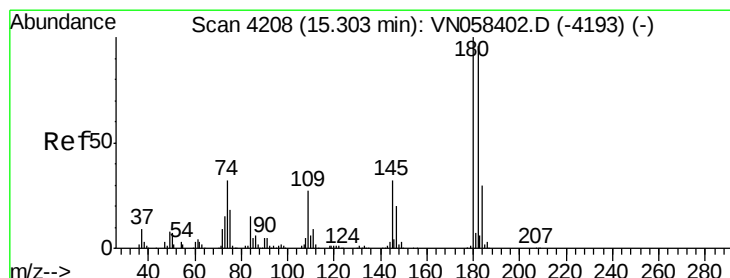
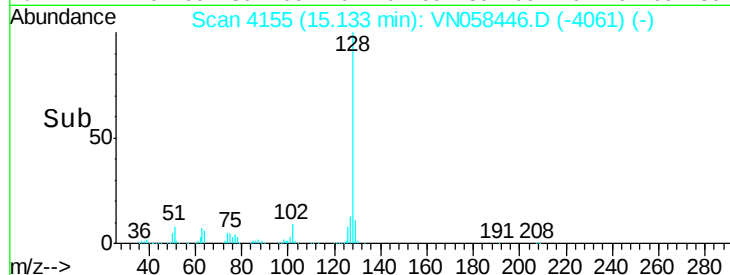
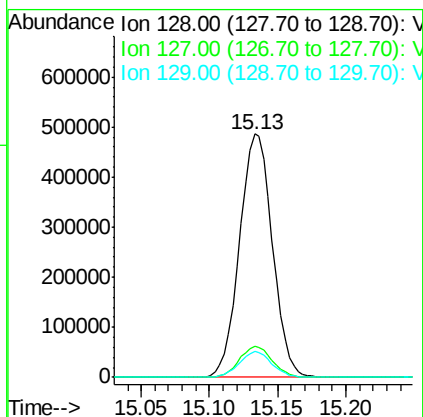
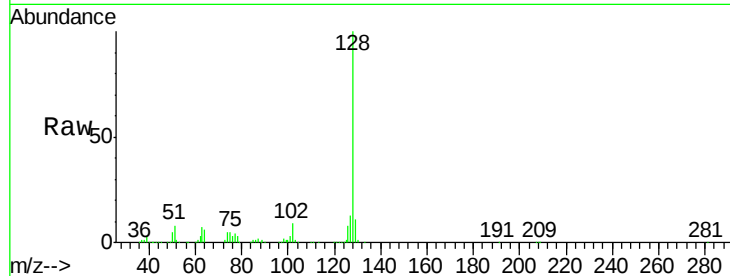




#95
Naphthalene
Concen: 52.405 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion:128 Resp: 812557
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 52.691 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:180 Resp: 279692
Ion Ratio Lower Upper
180 100
182 95.5 48.3 144.9
145 32.8 16.1 48.3

